Existing Fleet Portfolios

	1	2	3	4	5	6	7	7H
Portfolio Transition Target:	15% Coal through 2032	15% Coal through 2028	15% Coal through 2026	15% Coal through 2024	15% Coal through 2028	15% Coal through 2026	15% Coal through 2028 Fossil Free by 2032	15% Coal through 2028 Option for Fossil Free by 2032
	MC 12 Through Book life	2018 IRP Preferred Plan	Early Retirement of MC 12	Early Retirement of MC 12	2018 IRP Preferred Plan + 2025 16AB retirement	Early Retirement of MC 12 + 2025 16AB retirement	2018 IRP Preferred Plan + 2025 16AB ret. + 2032 SC ret.	2018 IRP Preferred Plan + 2025 16AB ret. + 2032 SC conv.
Retain beyond 2032	Sugar Creek	Sugar Creek	Sugar Creek	Sugar Creek	Sugar Creek	Sugar Creek	None	Sugar Creek converts to H2 (2032)
Michigan City 12	Retire	Retire	Retire	Retire	Retire	Retire	Retire	→
	2032	2028	2026	2024	2028	2026	2028	
Schahfer 16AB	Retire	→	→	→	Retire	→	→	→
	2028				2025			
Sugar Creek	Retain	→	→	→	→	→	Retire	Convert to H2
							2032	2032

Short term | Longer term

Not a viable pathway due to implementation timing

Replacement Portfolios

Dispatchability

Emissions	Current Planning Reserve Margin	Winter & Summer Reserve Margin	Enhanced Reserve Margin (Local w/ Higher Energy Duration)
Higher Carbon Emissions	Thermal PPAs, solar and storage (A)	Non-service territory gas peaking (no early storage) (B)	Natural gas dominant (CC) (C)
Mid Carbon Emissions	No new thermal resources; solar dominant w/ storage (D)	Thermal PPAs plus storage and solar (E)	Local gas peaker, plus solar and storage (F)
Low Carbon Emissions	Solar dominant w/ storage, plus retire Sugar Creek (G)	All renewables and storage, plus retire Sugar Creek (Portfolio 7) (H)	New H2-enabled peaker plus solar and storage, plus SC conversion to H2 (Portfolio 7H) (I)

Sugar Creek is retained through modeling horizon

Sugar Creek Retires or converts to H2

Net Zero Concepts

2021 IRP NIPSCO Owned Unit Parameters

Existing Plants

Name	Typical Fuel	In-Service Year	Modeled Retirement	Summer Operating Capacity	Winter Operating Capacity	Minimum Operating Capacity	Full Load Heat Rate (Summer)	Full Load Heat Rate (Winter)	Heat Rate at Minimum (Summer)	Heat Rate at Minimum (Winter)	Min Up Time	Min Down Time	CO2 Emission Rate	SO2 Emission Rate	NOx Emission Rate
				MW	*MW*	*MW*	*Btu/kWh*	*Btu/kWh*	*Btu/kWh*	*Btu/kWh*	*hours*	*hours*	*lbs/mmBtu*	*lbs/mmBtu*	*lbs/mmBtu*
Michigan City 12	Coal	1974	5/31/2028	420	420	310	10,168	10,168	10,441	10,441	144	48	209.76	0.09	0.09
Schahfer 15	Coal	1979	8/31/2021	440	440	130	11,566	11,566	17,415	17,415	144	48	209.76	0.015	0.13
Schahfer 17	Coal	1983	5/31/2023	355	355	125	10,411	10,411	12,786	12,786	144	48	205.20	0.06	0.17
Schahfer 18	Coal	1986	5/31/2023	355	355	125	10,067	10,067	11,995	11,995	144	48	205.20	0.05	0.17
Schahfer 16A	Natural Gas	1979	5/31/2028	78	78	78	19,009	19,009	19,009	19,009	2	2	118.86	0.00	0.23
Schahfer 16B	Natural Gas	1979	5/31/2028	77	77	77	18,659	18,659	18,659	18,659	2	2	118.86	0.00	0.23
Sugar Creek Power Plant	Natural Gas	2002	-	500	515	170	7,011	7,001	7,649	7,687	4	6	118.86	0.00	0.01
Norway	Water	1923	-	4	4	4									
Oakdale	Water	1925	-	6	6	6									
Sugar Creek Power Plant_Duct Firing	Natural Gas	2002	-	35	54	0	12,964	11,209	12,964	11,209	4	6	118.86	0	0.01
Sugar Creek Power Plant_Uprated	Natural Gas	2002	-	530	545	170	6,912	6,903	7,649	7,687	4	6	118.86	0	0.01

Planned Projects

Name	Typical Fuel	In-Service Year	ICAP	Storage Capacity	Capital Cost ($)
Indiana Crossroads I	Wind	Dec-21	302.4		[redacted]
Rosewater	Wind	Dec-20	102.6		[redacted]
Fairbanks	Solar	Oct-23	250		[redacted]
Cavalry	Solar + Storage	Dec-23	200	60 (3 hr.)	[redacted]
Dunn's Bridge 1	Solar	Dec-22	265		[redacted]
Dunn's Bridge 2	Solar + Storage	Dec-23	435	75 (3 hr.)	[redacted]
Indiana Crossroads	Solar	Dec-22	200		[redacted]
Elliot	Solar	Jun-23	200		[redacted]

2021 IRP Unit VOM

Real 2021$/MWh	Michigan City U12	Schahfer U15	Schahfer U17	Schahfer U18	Sugar Creek	Schahfer U16A	Schahfer U16B
2021	2.42	1.96	4.80	4.80	1.15	0.00	0.00
2022	2.42	1.96	4.80	4.80	1.15	0.00	0.00
2023	2.42	1.96	4.80	4.80	1.15	0.00	0.00
2024	2.42	1.97	4.81	4.81	1.16	0.00	0.00
2025	2.42	1.97	4.81	4.81	1.15	0.00	0.00
2026	2.42	1.97	4.81	4.81	1.15	0.00	0.00
2027	2.42	1.97	4.81	4.81	1.15	0.00	0.00
2028	2.43	1.97	4.81	4.81	1.15	0.00	0.00
2029	2.43	1.97	4.81	4.81	1.15	0.00	0.00
2030	2.44	1.97	4.81	4.81	1.15	0.00	0.00
2031	2.43	1.97	4.81	4.81	1.15	0.00	0.00
2032	2.43	1.97	4.82	4.82	1.16	0.00	0.00
2033	2.43	1.97	4.82	4.82	1.16	0.00	0.00
2034	2.44	1.97	4.81	4.81	1.16	0.00	0.00
2035	2.44	1.97	4.82	4.82	1.16	0.00	0.00
2036	2.45	1.97	4.82	4.82	1.16	0.00	0.00
2037	2.45	1.97	4.81	4.81	1.15	0.00	0.00
2038	2.45	1.97	4.81	4.81	1.15	0.00	0.00
2039	2.45	1.98	4.82	4.82	1.15	0.00	0.00
2040	2.44	1.98	4.81	4.81	1.15	0.00	0.00

2021 IRP Unit Forced Outage Rates

	Unit Equivalent Forced Outage Rate (%)								
	Michigan City	Schahfer 15	Schahfer 17	Schahfer 18	Sugar Creek	Schahfer 16A	Schahfer 16B	Norway	Oakdale
2021	10	15	7	6	3	50	50	35	48
2022	10		7	6	3	15	15	35	48
2023	10		10	9	3	15	15	35	48
2024	10				3	15	15	35	48
2025	10				3	15	15	35	48
2026	10				3	15	15	35	48
2027	13				3	15	15	35	48
2028	15				3	15	15	35	48
2029	15				3	15	15	35	48
2030	15				3	15	15	35	48
2031	15				3	15	15	35	48
2032	15				3	15	15	35	48
2033					3	15	15	35	48
2034					3	15	15	35	48
2035					3	15	15	35	48
2036					3	15	15	35	48
2037					3	15	15	35	48
2038					3	15	15	35	48
2039					3	15	15	35	48
2040					3	15	15	35	48

*Note: The forced outage rate for the hydro plants (Norway and Oakdale) are used for modeling purposes to estimate the expected annual capacity factor.

2021 IRP NIPSCO Portfolio Unit Start Up Cost

MMBtu/MW/Start

	Michigan City	Schahfer 15	Schahfer 16A	Schahfer 16B	Schahfer 17	Schahfer 18	Sugar Creek
Cold	53.6	35.0	0.0	0.0	16.2	15.6	11.7
Intermediate	26.8	17.5	0.0	0.0	8.1	7.8	6.9
Hot	17.0	8.6	0.0	0.0	4.0	6.2	6.2

Maintenance Cycle

Name	Maint Begin Date	Maint End Date
Michigan City #12	4/3/2021	5/22/2021
Michigan City #12	3/26/2022	5/8/2022
Michigan City #12	9/30/2023	10/29/2023
Michigan City #12	3/22/2025	5/11/2025
Michigan City #12	10/10/2026	11/8/2026
RM Schahfer #15	9/18/2021	11/14/2021
RM Schahfer #17	10/9/2021	11/21/2021
RM Schahfer #18	4/23/2022	5/22/2022
RM Schahfer #16A	9/25/2021	10/9/2021
RM Schahfer #16A	9/24/2022	10/8/2022
RM Schahfer #16A	9/23/2023	10/7/2023
RM Schahfer #16A	9/21/2024	10/5/2024
RM Schahfer #16A	9/20/2025	10/4/2025
RM Schahfer #16A	11/14/2026	11/27/2026
RM Schahfer #16A	11/13/2027	11/26/2027
RM Schahfer #16A	11/18/2028	12/1/2028
RM Schahfer #16A	11/17/2029	11/30/2029
RM Schahfer #16A	11/16/2030	11/29/2030
RM Schahfer #16A	11/15/2031	11/28/2031
RM Schahfer #16A	11/13/2032	11/26/2032
RM Schahfer #16A	11/12/2033	11/25/2033
RM Schahfer #16A	11/11/2034	11/24/2034
RM Schahfer #16A	11/12/2035	11/25/2035
RM Schahfer #16B	4/24/2021	5/8/2021
RM Schahfer #16B	4/30/2022	5/14/2022
RM Schahfer #16B	4/29/2023	5/13/2023
RM Schahfer #16B	4/27/2024	5/11/2024
RM Schahfer #16B	4/26/2025	5/10/2025
RM Schahfer #16B	4/18/2026	5/1/2026
RM Schahfer #16B	4/17/2027	4/30/2027
RM Schahfer #16B	4/15/2028	4/28/2028
RM Schahfer #16B	4/14/2029	4/27/2029
RM Schahfer #16B	4/13/2030	4/26/2030
RM Schahfer #16B	4/19/2031	5/2/2031
RM Schahfer #16B	4/17/2032	4/30/2032
RM Schahfer #16B	4/16/2033	4/29/2033
RM Schahfer #16B	4/15/2034	4/28/2034
RM Schahfer #16B	4/14/2035	4/29/2035
Sugar Creek Power Plant	4/24/2021	4/27/2021
Sugar Creek Power Plant	10/2/2021	10/5/2021
Sugar Creek Power Plant	4/23/2022	4/26/2022
Sugar Creek Power Plant	10/15/2022	11/6/2022
Sugar Creek Power Plant	4/22/2023	4/25/2023
Sugar Creek Power Plant	9/30/2023	10/3/2023
Sugar Creek Power Plant	4/27/2024	5/4/2024
Sugar Creek Power Plant	10/26/2024	10/29/2024
Sugar Creek Power Plant	4/19/2025	4/22/2025
Sugar Creek Power Plant	10/11/2025	10/14/2025
Sugar Creek Power Plant	4/11/2026	4/14/2026
Sugar Creek Power Plant	10/17/2026	11/9/2026
Sugar Creek Power Plant	4/10/2027	4/13/2027
Sugar Creek Power Plant	10/16/2027	10/19/2027
Sugar Creek Power Plant	4/8/2028	4/11/2028
Sugar Creek Power Plant	10/7/2028	12/9/2028
Sugar Creek Power Plant	4/14/2029	4/17/2029
Sugar Creek Power Plant	10/13/2029	10/16/2029
Sugar Creek Power Plant	4/13/2030	4/16/2030
Sugar Creek Power Plant	10/12/2030	11/4/2030
Sugar Creek Power Plant	4/12/2031	4/15/2031
Sugar Creek Power Plant	10/11/2031	10/14/2031
Sugar Creek Power Plant	4/10/2032	4/13/2032
Sugar Creek Power Plant	10/9/2032	10/12/2032
Sugar Creek Power Plant	4/9/2033	4/12/2033
Sugar Creek Power Plant	10/8/2033	10/11/2033
Sugar Creek Power Plant	4/8/2034	4/11/2034
Sugar Creek Power Plant	10/7/2034	10/31/2034
Sugar Creek Power Plant	4/14/2035	4/17/2035
Sugar Creek Power Plant	10/13/2035	10/16/2035
Sugar Creek Power Plant	4/12/2036	4/15/2036
Sugar Creek Power Plant	10/4/2036	12/6/2036
Sugar Creek Power Plant	4/11/2037	4/14/2037
Sugar Creek Power Plant	10/10/2037	10/13/2037
Sugar Creek Power Plant	4/10/2038	4/13/2038
Sugar Creek Power Plant	10/2/2038	10/25/2038
Sugar Creek Power Plant	4/9/2039	4/12/2039
Sugar Creek Power Plant	10/8/2039	10/11/2039
Sugar Creek Power Plant	4/7/2040	4/10/2040
Sugar Creek Power Plant	10/13/2040	10/16/2040

Coal Must Run Schedule (2021-2023)

Year	Month	Michigan City	Schahfer 15	Schahfer 17	Schahfer 18
2021	**1**	Must Run	Must Run		Must Run
2021	**2**	Must Run	Must Run		Must Run
2021	**3**	Must Run	Must Run		Must Run
2021	**4**		Must Run	Must Run	
2021	**5**		Must Run	Must Run	
2021	**6**	Must Run	Must Run		
2021	**7**	Must Run	Must Run		
2021	**8**	Must Run	Must Run		
2021	**9**	Must Run			Must Run
2021	**10**				Must Run
2021	**11**				Must Run
2021	**12**	Must Run		Must Run	
2022	**1**	Must Run		Must Run	
2022	**2**	Must Run		Must Run	
2022	**3**	Must Run			Must Run
2022	**4**				Must Run
2022	**5**				Must Run
2022	**6**	Must Run		Must Run	
2022	**7**	Must Run		Must Run	
2022	**8**	Must Run		Must Run	
2022	**9**	Must Run			Must Run
2022	**10**				Must Run
2022	**11**				Must Run
2022	**12**	Must Run			
2023	**1**	Must Run		Must Run	
2023	**2**	Must Run		Must Run	
2023	**3**	Must Run		Must Run	
2023	**4**				
2023	**5**				
2023	**6**	Must Run			
2023	**7**	Must Run			
2023	**8**	Must Run			
2023	**9**	Must Run			
2023	**10**				
2023	**11**				
2023	**12**	Must Run			

Renewable Project Production Profiles

Note: Paired solar generation shapes represent solar-only profiles; paired storage modeled separately

Capacity Factor

Fuel:	Wind	Solar	S+S	Solar	S+S	Solar	Solar	Solar	S+S	Solar	Solar	Wind	Wind	Wind	Wind	Wind
Hour of Year	**INCR II Wind**	**Fairbanks**	**Cavalry**	**DB1**	**DB2**	**INCR Solar**	**Elliot**	**Gibson**	**Greensboro**	**Meade**	**Brickyard**	**Barton**	**Buffalo Ridge**	**Rosewater**	**Jordan Creek**	**INCR**
1	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	37%	40%	96%	19%	44%
2	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	40%	97%	18%	55%
3	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	38%	97%	29%	78%
4	23%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	38%	96%	22%	52%
5	31%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	39%	96%	17%	36%
6	51%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	39%	94%	13%	20%
7	48%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	38%	90%	22%	20%
8	65%	0%	0%	1%	2%	0%	1%	1%	0%	9%	0%	35%	39%	93%	34%	64%
9	72%	2%	5%	32%	33%	0%	5%	5%	8%	38%	5%	36%	37%	93%	45%	56%
10	83%	25%	37%	40%	40%	4%	7%	7%	39%	39%	31%	36%	34%	92%	55%	43%
11	86%	5%	40%	36%	37%	11%	11%	11%	40%	40%	41%	33%	33%	52%	55%	37%
12	81%	29%	36%	35%	36%	9%	11%	11%	39%	39%	41%	33%	32%	23%	54%	49%
13	72%	51%	36%	37%	38%	11%	12%	12%	37%	43%	37%	32%	31%	19%	50%	47%
14	49%	55%	39%	37%	38%	11%	7%	7%	36%	42%	36%	32%	32%	20%	56%	53%
15	66%	18%	38%	36%	36%	8%	8%	8%	37%	40%	37%	32%	33%	26%	64%	78%
16	79%	12%	39%	19%	20%	8%	9%	9%	35%	29%	38%	33%	31%	35%	71%	77%
17	80%	15%	23%	0%	0%	2%	1%	1%	18%	1%	23%	33%	31%	48%	73%	71%
18	94%	1%	0%	0%	0%	0%	0%	0%	0%	0%	1%	34%	32%	76%	69%	47%
19	74%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	33%	77%	65%	49%
20	88%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	36%	64%	61%	47%
21	82%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	38%	73%	62%	45%
22	74%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	39%	63%	58%	55%
23	73%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	41%	42%	57%	94%
24	87%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	41%	41%	56%	96%
25	92%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	37%	40%	53%	52%	95%
26	90%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	40%	48%	48%	95%
27	95%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	38%	44%	49%	92%
28	94%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	38%	43%	32%	69%
29	82%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	39%	46%	32%	43%
30	52%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	39%	75%	27%	37%
31	96%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	38%	83%	33%	54%
32	99%	0%	0%	1%	2%	0%	9%	9%	0%	10%	0%	35%	39%	84%	43%	34%
33	90%	0%	3%	28%	29%	1%	57%	57%	6%	39%	5%	36%	37%	83%	49%	27%
34	56%	1%	27%	35%	36%	6%	70%	71%	26%	40%	32%	36%	34%	62%	51%	10%
35	74%	5%	34%	31%	32%	11%	66%	66%	29%	42%	34%	33%	33%	32%	42%	16%
36	51%	6%	32%	31%	31%	12%	61%	61%	35%	41%	35%	33%	32%	26%	47%	18%
37	47%	8%	34%	33%	34%	12%	62%	62%	35%	44%	34%	32%	31%	22%	46%	29%
38	11%	10%	33%	38%	38%	10%	67%	67%	34%	43%	37%	32%	32%	20%	48%	28%
39	32%	7%	35%	35%	36%	8%	70%	70%	33%	44%	34%	32%	33%	22%	46%	28%
40	14%	6%	33%	20%	21%	10%	47%	47%	34%	34%	33%	33%	31%	25%	22%	45%
41	14%	8%	20%	0%	0%	7%	5%	5%	21%	2%	22%	33%	31%	36%	12%	56%
42	17%	1%	0%	0%	0%	0%	0%	0%	0%	0%	1%	34%	32%	69%	10%	39%
43	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	33%	93%	15%	54%
44	18%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	36%	97%	19%	57%
45	18%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	38%	97%	12%	79%
46	18%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	39%	97%	13%	96%
47	19%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	41%	97%	12%	97%
48	26%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	41%	97%	21%	97%
49	30%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	37%	40%	97%	33%	97%
50	21%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	40%	97%	40%	74%
51	31%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	38%	97%	39%	59%
52	95%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	38%	97%	23%	79%
53	48%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	39%	97%	23%	75%
54	52%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	39%	96%	19%	59%
55	81%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	38%	93%	21%	38%
56	93%	0%	0%	0%	1%	0%	8%	8%	0%	10%	0%	35%	39%	82%	19%	34%
57	97%	1%	3%	24%	22%	1%	53%	53%	6%	45%	6%	36%	37%	72%	8%	37%
58	78%	2%	25%	31%	28%	36%	68%	68%	31%	50%	31%	36%	34%	51%	7%	18%
59	50%	5%	28%	31%	29%	54%	64%	64%	35%	51%	34%	33%	33%	49%	6%	12%

60	68%	6%	29%	30%	29%	58%	60%	60%	35%	49%	31%	33%	32%	36%	5%	12%
61	87%	6%	29%	31%	30%	54%	60%	60%	35%	45%	31%	32%	31%	42%	2%	15%
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71	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	41%	96%	36%	48%
72	98%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	41%	96%	54%	43%
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74	97%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	40%	90%	58%	25%
75	96%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	38%	86%	60%	47%
76	90%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	38%	80%	59%	33%
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80	73%	0%	0%	1%	1%	0%	2%	2%	0%	10%	0%	35%	39%	48%	77%	58%
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92	88%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	36%	94%	74%	16%
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94	88%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	39%	83%	71%	11%
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101	53%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	39%	97%	58%	46%
102	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	39%	95%	60%	36%
103	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	38%	80%	58%	33%
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127	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	38%	33%	35%	42%
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171	88%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	38%	7%	15%	67%
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213	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	38%	22%	2%	92%
214	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	39%	27%	6%	93%
215	19%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	41%	53%	4%	93%
216	18%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	41%	44%	6%	94%
217	31%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	37%	40%	44%	4%	91%
218	35%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	40%	23%	1%	97%
219	43%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	38%	50%	2%	98%
220	47%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	38%	61%	3%	98%
221	62%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	39%	66%	8%	98%
222	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	39%	57%	13%	98%
223	84%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	38%	87%	20%	98%
224	60%	0%	0%	1%	2%	0%	10%	10%	0%	9%	0%	35%	39%	94%	29%	98%
225	47%	6%	4%	28%	29%	2%	60%	60%	7%	34%	6%	36%	37%	95%	34%	97%
226	27%	26%	29%	33%	34%	9%	74%	74%	34%	38%	29%	36%	34%	97%	26%	97%
227	24%	41%	34%	36%	37%	35%	69%	69%	39%	40%	42%	33%	33%	97%	19%	98%
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232	27%	55%	35%	22%	23%	2%	55%	55%	36%	35%	35%	33%	31%	97%	40%	81%
233	17%	41%	25%	0%	1%	4%	7%	7%	24%	4%	24%	33%	31%	97%	38%	72%
234	32%	6%	2%	0%	0%	1%	0%	0%	1%	0%	2%	34%	32%	97%	46%	68%
235	27%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	33%	97%	39%	56%
236	42%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	36%	97%	30%	62%
237	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	38%	97%	19%	64%
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241	18%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	37%	40%	97%	36%	46%
242	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	40%	97%	44%	31%
243	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	38%	96%	61%	30%
244	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	38%	86%	68%	18%
245	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	39%	78%	66%	14%
246	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	39%	97%	77%	8%
247	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	38%	97%	74%	7%
248	4%	0%	0%	1%	1%	0%	5%	5%	0%	9%	0%	35%	39%	97%	73%	6%
249	6%	5%	4%	20%	21%	2%	23%	23%	5%	34%	4%	36%	37%	97%	78%	4%
250	6%	19%	23%	27%	27%	4%	36%	36%	24%	42%	21%	36%	34%	97%	75%	5%
251	8%	72%	28%	31%	31%	6%	38%	38%	28%	42%	26%	33%	33%	97%	73%	8%
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255	17%	23%	33%	32%	32%	8%	19%	19%	30%	42%	32%	32%	33%	96%	53%	25%
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259	18%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	33%	91%	74%	56%
260	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	36%	85%	80%	56%

261	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	38%	93%	81%	47%
262	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	39%	80%	83%	60%
263	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	41%	92%	83%	91%
264	23%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	41%	81%	85%	86%
265	31%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	37%	40%	60%	85%	97%
266	28%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	40%	77%	86%	94%
267	19%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	38%	65%	86%	97%
268	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	38%	86%	85%	96%
269	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	39%	71%	85%	63%
270	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	39%	70%	84%	42%
271	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	38%	82%	83%	27%
272	0%	0%	0%	1%	2%	0%	1%	1%	0%	9%	0%	35%	39%	84%	82%	46%
273	0%	2%	3%	23%	24%	1%	5%	5%	7%	36%	5%	36%	37%	96%	81%	96%
274	0%	9%	27%	29%	30%	16%	5%	5%	37%	43%	28%	36%	34%	97%	74%	98%
275	0%	14%	32%	28%	29%	48%	8%	8%	39%	47%	34%	33%	33%	97%	72%	98%
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282	10%	2%	2%	0%	0%	2%	0%	0%	1%	0%	2%	34%	32%	97%	80%	60%
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285	63%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	38%	97%	83%	54%
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289	93%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	37%	40%	40%	69%	39%
290	83%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	40%	43%	63%	39%
291	46%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	38%	90%	59%	12%
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301	87%	41%	38%	34%	34%	11%	11%	11%	37%	39%	34%	32%	31%	30%	68%	17%
302	88%	36%	37%	38%	36%	10%	7%	7%	36%	37%	36%	32%	32%	20%	59%	31%
303	85%	45%	34%	35%	34%	9%	5%	5%	30%	35%	33%	32%	33%	14%	44%	38%
304	72%	34%	31%	26%	25%	8%	3%	3%	31%	30%	33%	33%	31%	11%	48%	44%
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321	46%	8%	4%	30%	30%	1%	6%	6%	8%	41%	5%	36%	37%	3%	74%	97%
322	44%	53%	29%	36%	37%	8%	6%	6%	32%	47%	30%	36%	34%	14%	73%	95%
323	28%	56%	38%	38%	39%	12%	19%	19%	41%	51%	41%	33%	33%	6%	69%	90%
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325	18%	64%	40%	34%	34%	14%	18%	18%	44%	54%	41%	32%	31%	11%	52%	79%
326	37%	65%	37%	32%	32%	11%	14%	14%	44%	53%	40%	32%	32%	11%	41%	79%
327	40%	57%	37%	32%	32%	9%	7%	7%	40%	48%	35%	32%	33%	7%	34%	93%

328	42%	38%	35%	27%	27%	9%	6%	6%	36%	39%	34%	33%	31%	11%	30%	94%
329	67%	42%	26%	0%	1%	6%	2%	2%	24%	4%	25%	33%	31%	24%	22%	89%
330	94%	7%	3%	0%	0%	0%	0%	0%	1%	0%	3%	34%	32%	25%	18%	87%
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333	65%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	38%	48%	7%	97%
334	60%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	39%	51%	6%	98%
335	87%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	41%	41%	3%	98%
336	93%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	41%	39%	3%	98%
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339	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	38%	45%	6%	98%
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341	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	39%	67%	15%	97%
342	99%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	39%	61%	24%	97%
343	93%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	38%	48%	27%	97%
344	79%	0%	0%	1%	2%	0%	1%	1%	0%	9%	0%	35%	39%	36%	25%	97%
345	74%	0%	4%	29%	29%	6%	3%	3%	8%	32%	7%	36%	37%	45%	34%	97%
346	91%	5%	29%	39%	40%	38%	4%	4%	36%	38%	32%	36%	34%	32%	34%	96%
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356	90%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	36%	76%	74%	83%
357	98%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	38%	94%	71%	88%
358	97%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	39%	95%	71%	73%
359	92%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	41%	91%	71%	72%
360	86%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	41%	85%	70%	55%
361	97%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	37%	40%	70%	69%	47%
362	89%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	40%	92%	62%	35%
363	64%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	38%	95%	54%	27%
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365	64%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	39%	78%	55%	34%
366	78%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	39%	63%	53%	17%
367	66%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	38%	65%	53%	22%
368	47%	0%	0%	1%	2%	0%	7%	7%	0%	9%	0%	35%	39%	60%	56%	38%
369	82%	5%	4%	31%	31%	7%	18%	18%	7%	32%	5%	36%	37%	53%	55%	42%
370	36%	22%	24%	36%	36%	22%	45%	45%	29%	38%	29%	36%	34%	62%	52%	38%
371	24%	33%	27%	39%	40%	43%	33%	33%	36%	39%	35%	33%	33%	64%	47%	42%
372	11%	42%	35%	38%	38%	63%	26%	26%	39%	41%	40%	33%	32%	58%	35%	39%
373	1%	44%	40%	37%	38%	58%	25%	25%	40%	39%	40%	32%	31%	52%	38%	28%
374	0%	45%	40%	43%	43%	50%	17%	17%	38%	39%	35%	32%	32%	36%	30%	20%
375	2%	47%	38%	39%	37%	53%	13%	13%	34%	36%	39%	32%	33%	40%	25%	11%
376	7%	47%	38%	30%	29%	52%	13%	13%	34%	27%	37%	33%	31%	43%	20%	25%
377	0%	34%	28%	1%	1%	22%	4%	4%	25%	3%	30%	33%	31%	40%	17%	24%
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394	100%	9%	29%	40%	40%	5%	73%	73%	30%	43%	27%	36%	34%	13%	46%	55%

395	100%	18%	39%	39%	38%	12%	71%	71%	36%	42%	35%	33%	33%	2%	56%	57%
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402	100%	2%	3%	0%	0%	0%	0%	0%	2%	0%	3%	34%	32%	45%	69%	93%
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405	99%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	38%	94%	73%	87%
406	45%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	39%	97%	70%	86%
407	48%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	41%	97%	69%	88%
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409	70%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	37%	40%	97%	71%	68%
410	79%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	40%	97%	73%	71%
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414	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	39%	97%	72%	50%
415	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	38%	94%	72%	37%
416	12%	0%	0%	1%	2%	0%	2%	2%	0%	11%	0%	35%	39%	97%	69%	38%
417	16%	8%	6%	35%	36%	8%	14%	14%	10%	45%	8%	36%	37%	97%	66%	20%
418	10%	59%	37%	46%	48%	58%	10%	10%	40%	52%	40%	36%	34%	97%	71%	21%
419	11%	73%	51%	46%	47%	71%	31%	31%	48%	55%	49%	33%	33%	94%	74%	15%
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422	37%	68%	42%	48%	49%	63%	32%	32%	45%	56%	48%	32%	32%	72%	74%	20%
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424	8%	74%	47%	41%	41%	69%	30%	30%	46%	51%	51%	33%	31%	75%	69%	24%
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430	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	39%	97%	72%	18%
431	19%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	41%	97%	71%	17%
432	26%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	41%	97%	73%	26%
433	27%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	37%	40%	97%	77%	36%
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435	48%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	38%	97%	77%	17%
436	35%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	38%	97%	78%	12%
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462	80%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	39%	97%	76%	11%
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472	2%	9%	37%	35%	34%	76%	23%	23%	40%	43%	43%	33%	31%	35%	27%	0%
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490	93%	62%	34%	45%	44%	54%	6%	6%	36%	46%	36%	36%	34%	45%	16%	0%
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516	10%	11%	40%	39%	39%	37%	14%	14%	40%	35%	43%	33%	32%	97%	7%	55%
517	13%	18%	41%	39%	39%	56%	15%	15%	41%	34%	42%	32%	31%	97%	6%	60%
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519	6%	22%	41%	41%	41%	66%	8%	8%	38%	27%	38%	32%	33%	97%	9%	32%
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521	21%	16%	35%	1%	3%	52%	3%	3%	26%	5%	29%	33%	31%	95%	5%	40%
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529	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	37%	40%	38%	7%	65%
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531	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	38%	91%	21%	61%
532	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	38%	68%	16%	59%
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674	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	40%	27%	75%	63%
675	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	38%	26%	73%	30%
676	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	38%	45%	59%	38%
677	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	39%	78%	66%	34%
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679	98%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	38%	71%	75%	26%
680	92%	0%	0%	2%	3%	0%	5%	5%	0%	14%	0%	35%	39%	87%	80%	27%
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687	94%	51%	31%	34%	32%	8%	74%	75%	30%	35%	34%	32%	33%	91%	87%	4%
688	82%	68%	31%	31%	29%	17%	69%	69%	34%	32%	38%	33%	31%	81%	86%	3%
689	78%	30%	28%	5%	6%	6%	19%	19%	29%	9%	29%	33%	31%	87%	85%	6%
690	65%	9%	7%	0%	0%	0%	0%	0%	5%	0%	8%	34%	32%	59%	83%	10%
691	71%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	33%	46%	81%	45%
692	62%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	36%	51%	79%	69%
693	99%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	38%	35%	76%	76%
694	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	39%	10%	73%	90%
695	96%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	41%	31%	72%	97%
696	80%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	41%	30%	70%	97%
697	57%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	37%	40%	27%	67%	98%
698	44%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	40%	12%	60%	98%
699	62%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	38%	11%	51%	98%
700	56%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	38%	7%	52%	98%
701	69%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	39%	7%	44%	98%
702	63%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	39%	5%	50%	98%
703	60%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	38%	4%	43%	97%
704	78%	0%	0%	6%	7%	0%	6%	6%	0%	17%	0%	35%	39%	12%	37%	97%
705	76%	12%	9%	39%	39%	13%	26%	26%	14%	47%	12%	36%	37%	5%	19%	92%
706	74%	53%	34%	41%	41%	68%	70%	70%	38%	46%	40%	36%	34%	1%	17%	88%
707	75%	76%	42%	41%	41%	77%	61%	61%	42%	48%	41%	33%	33%	0%	28%	77%
708	78%	61%	39%	42%	42%	75%	60%	61%	47%	54%	46%	33%	32%	0%	37%	62%
709	76%	43%	45%	46%	46%	71%	59%	59%	48%	55%	49%	32%	31%	5%	40%	51%
710	49%	53%	46%	45%	44%	71%	58%	58%	48%	57%	51%	32%	32%	4%	42%	41%
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713	41%	16%	38%	7%	8%	67%	16%	16%	41%	13%	39%	33%	31%	13%	60%	10%
714	20%	7%	10%	0%	0%	13%	0%	0%	9%	0%	11%	34%	32%	16%	51%	3%
715	24%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	33%	32%	45%	5%
716	31%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	36%	28%	41%	3%
717	43%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	38%	57%	42%	4%
718	24%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	39%	84%	46%	5%
719	35%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	41%	97%	46%	1%
720	69%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	41%	97%	54%	5%
721	74%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	37%	40%	97%	55%	17%
722	65%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	40%	97%	56%	36%
723	43%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	38%	97%	53%	38%
724	29%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	38%	97%	48%	66%
725	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	39%	97%	43%	96%
726	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	39%	97%	41%	97%
727	91%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	38%	97%	40%	97%
728	100%	0%	0%	5%	6%	0%	18%	18%	0%	14%	0%	35%	39%	97%	36%	97%
729	100%	1%	8%	33%	33%	7%	74%	74%	13%	33%	9%	36%	37%	97%	32%	96%

730	99%	3%	30%	42%	42%	47%	80%	80%	33%	39%	34%	36%	34%	97%	12%	97%
731	99%	5%	39%	44%	43%	40%	73%	73%	35%	45%	39%	33%	33%	97%	8%	97%
732	100%	7%	39%	37%	37%	29%	70%	71%	42%	47%	39%	33%	32%	97%	7%	97%
733	100%	13%	39%	37%	37%	25%	70%	70%	45%	46%	42%	32%	31%	97%	5%	97%
734	100%	10%	36%	41%	39%	21%	68%	68%	40%	46%	39%	32%	32%	97%	4%	97%
735	100%	8%	35%	38%	38%	14%	46%	46%	39%	40%	36%	32%	33%	95%	5%	97%
736	100%	4%	34%	28%	28%	9%	13%	13%	36%	35%	32%	33%	31%	92%	7%	91%
737	100%	5%	25%	5%	5%	5%	6%	6%	26%	12%	19%	33%	31%	68%	8%	77%
738	100%	4%	7%	0%	0%	2%	0%	0%	6%	0%	7%	34%	32%	39%	8%	71%
739	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	33%	62%	10%	91%
740	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	36%	73%	33%	79%
741	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	38%	32%	48%	93%
742	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	39%	50%	64%	92%
743	98%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	41%	48%	63%	88%
744	99%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	41%	42%	62%	81%
745	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	35%	41%	61%	58%	97%
746	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	35%	41%	62%	65%	97%
747	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	32%	42%	54%	65%	97%
748	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	31%	41%	57%	70%	96%
749	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	29%	39%	85%	73%	92%
750	37%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	29%	40%	84%	82%	90%
751	39%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	29%	41%	87%	83%	77%
752	38%	0%	0%	6%	7%	0%	5%	5%	0%	13%	0%	29%	41%	57%	85%	49%
753	14%	5%	7%	31%	31%	6%	10%	10%	13%	34%	10%	28%	39%	85%	86%	34%
754	4%	25%	29%	42%	42%	50%	17%	17%	37%	40%	30%	26%	39%	97%	83%	20%
755	7%	31%	36%	40%	41%	54%	23%	23%	37%	49%	35%	25%	39%	97%	76%	18%
756	34%	54%	40%	39%	39%	51%	26%	26%	38%	51%	40%	22%	36%	94%	82%	24%
757	16%	68%	42%	41%	41%	35%	21%	21%	40%	49%	42%	21%	36%	91%	85%	25%
758	2%	73%	42%	43%	43%	57%	10%	10%	40%	48%	43%	22%	35%	80%	83%	33%
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760	14%	60%	42%	34%	34%	58%	4%	4%	39%	42%	35%	24%	35%	74%	68%	38%
761	28%	52%	32%	6%	7%	36%	2%	2%	33%	13%	32%	26%	35%	76%	60%	50%
762	21%	18%	10%	0%	0%	10%	0%	0%	7%	0%	10%	26%	36%	82%	50%	56%
763	34%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	27%	38%	89%	45%	36%
764	29%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	29%	41%	87%	43%	30%
765	32%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	32%	44%	91%	34%	28%
766	21%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	35%	45%	90%	28%	17%
767	30%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	37%	45%	75%	12%	28%
768	45%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	43%	47%	8%	42%
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770	48%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	35%	41%	33%	3%	21%
771	44%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	32%	42%	34%	3%	20%
772	44%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	31%	41%	34%	4%	17%
773	40%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	29%	39%	24%	4%	43%
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775	44%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	29%	41%	24%	9%	61%
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777	81%	8%	11%	35%	35%	6%	24%	24%	13%	37%	12%	28%	39%	20%	16%	35%
778	50%	22%	36%	42%	42%	18%	10%	10%	37%	49%	41%	26%	39%	21%	16%	41%
779	42%	29%	43%	43%	43%	16%	17%	17%	48%	53%	45%	25%	39%	20%	20%	39%
780	45%	41%	45%	41%	42%	19%	22%	22%	53%	55%	47%	22%	36%	15%	12%	43%
781	39%	45%	41%	41%	42%	16%	14%	14%	52%	57%	48%	21%	36%	13%	12%	15%
782	50%	33%	43%	44%	44%	22%	9%	9%	50%	57%	44%	22%	35%	8%	15%	23%
783	46%	50%	43%	44%	44%	10%	7%	7%	47%	49%	43%	23%	36%	4%	13%	21%
784	38%	52%	46%	41%	42%	12%	4%	4%	46%	40%	44%	24%	35%	10%	14%	17%
785	36%	61%	38%	9%	10%	11%	3%	3%	40%	15%	40%	26%	35%	16%	12%	11%
786	17%	21%	12%	0%	0%	5%	0%	0%	10%	0%	13%	26%	36%	9%	15%	29%
787	18%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	27%	38%	7%	17%	33%
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790	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	35%	45%	12%	5%	34%
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795	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	32%	42%	24%	1%	13%
796	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	31%	41%	43%	5%	4%

797	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	29%	39%	43%	6%	0%
798	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	29%	40%	48%	8%	0%
799	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	29%	41%	43%	10%	1%
800	18%	0%	0%	6%	7%	0%	19%	19%	0%	21%	0%	29%	41%	53%	16%	7%
801	12%	6%	10%	36%	36%	12%	71%	72%	18%	51%	14%	28%	39%	81%	16%	5%
802	10%	30%	38%	40%	41%	19%	80%	80%	47%	61%	40%	26%	39%	91%	7%	2%
803	4%	38%	40%	41%	42%	16%	78%	78%	52%	63%	43%	25%	39%	88%	7%	4%
804	0%	54%	42%	43%	44%	22%	74%	75%	52%	64%	48%	22%	36%	96%	10%	7%
805	0%	60%	46%	40%	40%	35%	74%	74%	53%	65%	49%	21%	36%	97%	26%	30%
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807	0%	35%	44%	45%	44%	16%	79%	79%	55%	55%	49%	23%	36%	97%	38%	91%
808	0%	29%	45%	36%	34%	24%	74%	74%	56%	45%	48%	24%	35%	97%	40%	95%
809	2%	30%	36%	9%	10%	39%	25%	25%	44%	16%	38%	26%	35%	96%	39%	69%
810	1%	9%	11%	0%	0%	14%	0%	0%	12%	0%	12%	26%	36%	90%	36%	38%
811	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	27%	38%	91%	41%	32%
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813	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	32%	44%	95%	51%	66%
814	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	35%	45%	95%	55%	61%
815	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	37%	45%	90%	49%	77%
816	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	43%	97%	51%	74%
817	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	35%	41%	92%	58%	23%
818	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	35%	41%	96%	56%	5%
819	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	32%	42%	96%	50%	0%
820	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	31%	41%	72%	46%	10%
821	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	29%	39%	65%	51%	27%
822	48%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	29%	40%	40%	56%	14%
823	57%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	29%	41%	30%	57%	34%
824	42%	0%	0%	6%	6%	0%	5%	5%	0%	19%	0%	29%	41%	32%	59%	71%
825	39%	7%	10%	30%	30%	14%	18%	18%	15%	42%	10%	28%	39%	34%	65%	66%
826	63%	24%	35%	35%	37%	51%	34%	34%	35%	54%	31%	26%	39%	43%	72%	15%
827	54%	42%	41%	35%	36%	48%	22%	22%	41%	57%	38%	25%	39%	32%	80%	10%
828	33%	60%	38%	33%	35%	59%	14%	14%	43%	56%	41%	22%	36%	82%	80%	0%
829	53%	58%	38%	34%	35%	61%	7%	7%	43%	55%	42%	21%	36%	90%	81%	0%
830	17%	64%	39%	36%	38%	64%	5%	5%	41%	57%	41%	22%	35%	77%	82%	0%
831	26%	67%	41%	36%	37%	57%	4%	4%	38%	57%	38%	23%	36%	92%	82%	0%
832	25%	64%	45%	35%	36%	28%	3%	3%	35%	53%	38%	24%	35%	97%	81%	2%
833	28%	64%	40%	8%	9%	22%	3%	3%	33%	19%	37%	26%	35%	94%	81%	10%
834	46%	31%	13%	0%	0%	10%	0%	0%	9%	0%	12%	26%	36%	93%	82%	10%
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838	95%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	35%	45%	70%	84%	10%
839	96%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	37%	45%	76%	81%	0%
840	88%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	43%	51%	74%	1%
841	78%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	35%	41%	58%	72%	2%
842	83%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	35%	41%	62%	73%	0%
843	89%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	32%	42%	46%	74%	0%
844	94%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	31%	41%	61%	76%	0%
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846	92%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	29%	40%	18%	74%	0%
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998	0%	24%	43%	43%	43%	77%	82%	82%	51%	62%	45%	22%	35%	22%	14%	98%
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1931	100%	10%	76%	72%	71%	54%	100%	100%	72%	79%	78%	28%	34%	18%	31%	97%
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1933	100%	26%	77%	75%	75%	22%	99%	100%	71%	75%	75%	27%	34%	17%	30%	97%
1934	100%	19%	77%	74%	73%	21%	100%	100%	72%	72%	75%	28%	34%	10%	29%	97%
1935	100%	13%	77%	73%	72%	26%	100%	100%	71%	70%	75%	30%	34%	7%	28%	97%

1936	100%	12%	73%	66%	64%	22%	98%	98%	71%	63%	72%	31%	34%	3%	21%	98%
1937	100%	14%	70%	54%	52%	19%	75%	75%	61%	54%	60%	30%	34%	1%	18%	98%
1938	100%	6%	54%	9%	10%	15%	18%	18%	44%	11%	49%	31%	35%	0%	17%	98%
1939	100%	2%	11%	0%	0%	4%	0%	0%	7%	0%	11%	29%	36%	2%	44%	98%
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1941	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	31%	39%	22%	52%	98%
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1943	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	41%	17%	65%	98%
1944	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	41%	14%	80%	98%
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1962	82%	81%	45%	7%	7%	83%	15%	15%	41%	8%	42%	31%	35%	15%	6%	78%
1963	89%	16%	10%	0%	0%	17%	0%	0%	6%	0%	8%	29%	36%	21%	7%	83%
1964	74%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	28%	37%	37%	9%	72%
1965	81%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	31%	39%	34%	9%	76%
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1967	62%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	41%	52%	5%	58%
1968	47%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	41%	50%	0%	42%
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1970	91%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	42%	38%	0%	85%
1971	99%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	42%	45%	0%	96%
1972	96%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	42%	60%	0%	92%
1973	99%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	37%	40%	73%	0%	97%
1974	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	41%	89%	5%	97%
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1976	94%	7%	14%	42%	44%	22%	59%	59%	17%	53%	16%	32%	38%	96%	0%	91%
1977	27%	25%	45%	53%	55%	87%	76%	76%	46%	60%	46%	32%	38%	97%	6%	27%
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1980	88%	89%	63%	64%	66%	96%	49%	49%	62%	70%	65%	27%	33%	91%	6%	85%
1981	100%	96%	67%	66%	67%	94%	58%	58%	66%	64%	69%	27%	34%	96%	5%	97%
1982	100%	84%	66%	69%	71%	94%	50%	50%	68%	62%	69%	28%	34%	92%	7%	97%
1983	100%	63%	62%	67%	69%	94%	40%	40%	63%	61%	65%	30%	34%	87%	9%	96%
1984	91%	33%	58%	54%	55%	80%	45%	45%	59%	52%	58%	31%	34%	61%	10%	86%
1985	100%	12%	49%	40%	40%	93%	8%	8%	51%	34%	48%	30%	34%	67%	13%	97%
1986	97%	8%	35%	8%	9%	79%	3%	3%	34%	7%	29%	31%	35%	83%	14%	97%
1987	39%	3%	8%	0%	0%	17%	0%	0%	6%	0%	7%	29%	36%	88%	12%	49%
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1990	59%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	35%	41%	97%	20%	67%
1991	72%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	41%	97%	20%	79%
1992	72%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	41%	97%	20%	78%
1993	45%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	42%	89%	24%	49%
1994	53%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	42%	86%	29%	54%
1995	49%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	42%	83%	30%	51%
1996	36%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	42%	93%	33%	37%
1997	28%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	37%	40%	94%	38%	30%
1998	24%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	41%	83%	48%	25%
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2000	19%	8%	14%	44%	42%	12%	15%	15%	13%	44%	12%	32%	38%	81%	42%	20%
2001	15%	42%	34%	54%	52%	24%	47%	47%	33%	48%	31%	32%	38%	89%	29%	17%
2002	18%	29%	41%	59%	57%	85%	34%	34%	38%	60%	35%	30%	36%	68%	33%	23%

2003	3%	44%	53%	57%	55%	100%	42%	42%	44%	67%	44%	28%	34%	50%	34%	4%
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2005	0%	56%	54%	56%	54%	59%	18%	18%	53%	72%	53%	27%	34%	40%	33%	0%
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2007	0%	51%	51%	51%	49%	16%	10%	10%	49%	68%	47%	30%	34%	26%	37%	0%
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2009	0%	43%	47%	38%	36%	4%	9%	9%	41%	49%	44%	30%	34%	29%	31%	0%
2010	0%	35%	34%	8%	8%	9%	6%	6%	31%	9%	34%	31%	35%	28%	26%	0%
2011	0%	9%	9%	0%	0%	3%	0%	0%	7%	0%	8%	29%	36%	35%	18%	0%
2012	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	28%	37%	50%	20%	0%
2013	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	31%	39%	78%	14%	0%
2014	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	35%	41%	87%	8%	1%
2015	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	41%	75%	0%	5%
2016	32%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	41%	47%	0%	29%
2017	77%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	42%	39%	0%	68%
2018	73%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	42%	39%	0%	63%
2019	47%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	42%	47%	0%	41%
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2022	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	41%	57%	11%	30%
2023	42%	0%	0%	23%	22%	0%	8%	8%	0%	22%	0%	34%	40%	85%	9%	36%
2024	43%	34%	23%	65%	63%	35%	20%	20%	24%	57%	25%	32%	38%	51%	0%	36%
2025	10%	100%	60%	69%	68%	98%	18%	18%	58%	60%	60%	32%	38%	31%	4%	10%
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2029	1%	100%	75%	68%	67%	99%	49%	49%	68%	74%	75%	27%	34%	30%	2%	1%
2030	3%	89%	71%	64%	63%	95%	26%	26%	70%	69%	73%	28%	34%	31%	3%	4%
2031	13%	71%	70%	59%	58%	100%	48%	48%	64%	66%	67%	30%	34%	50%	2%	14%
2032	19%	76%	64%	52%	50%	91%	38%	38%	60%	59%	62%	31%	34%	64%	0%	20%
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2034	16%	63%	45%	9%	10%	29%	13%	13%	46%	11%	44%	31%	35%	50%	0%	17%
2035	23%	21%	12%	0%	0%	11%	0%	0%	9%	0%	10%	29%	36%	60%	0%	23%
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2037	44%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	31%	39%	95%	0%	43%
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2046	90%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	41%	96%	21%	80%
2047	77%	0%	0%	20%	20%	0%	5%	5%	0%	25%	0%	34%	40%	97%	23%	67%
2048	30%	38%	21%	56%	53%	8%	6%	6%	27%	57%	25%	32%	38%	97%	21%	30%
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2050	4%	100%	65%	65%	64%	84%	13%	13%	70%	73%	70%	30%	36%	86%	23%	5%
2051	4%	100%	71%	66%	65%	97%	56%	56%	72%	74%	70%	28%	34%	91%	24%	4%
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2066	95%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	42%	4%	58%	92%
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2068	98%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	42%	6%	25%	95%
2069	94%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	37%	40%	8%	15%	92%

2070	93%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	41%	10%	7%	91%
2071	83%	0%	0%	20%	21%	0%	13%	13%	0%	23%	0%	34%	40%	18%	7%	81%
2072	62%	36%	22%	50%	51%	7%	21%	21%	19%	50%	18%	32%	38%	10%	7%	62%
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2083	0%	3%	10%	0%	0%	0%	0%	0%	8%	0%	11%	29%	36%	0%	5%	0%
2084	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	28%	37%	0%	0%	0%
2085	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	31%	39%	0%	0%	0%
2086	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	35%	41%	4%	0%	0%
2087	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	41%	8%	0%	2%
2088	18%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	41%	0%	4%	17%
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2090	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	42%	8%	0%	0%
2091	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	42%	0%	0%	0%
2092	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	42%	0%	0%	0%
2093	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	37%	40%	3%	0%	0%
2094	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	41%	12%	0%	0%
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2243	1%	100%	60%	71%	72%	49%	97%	97%	57%	75%	59%	29%	31%	97%	47%	98%
2244	0%	100%	63%	70%	72%	58%	97%	97%	60%	73%	61%	30%	31%	93%	66%	98%
2245	0%	100%	66%	69%	71%	38%	96%	97%	60%	73%	61%	31%	32%	77%	69%	98%
2246	0%	100%	66%	69%	71%	39%	97%	97%	60%	73%	61%	33%	32%	81%	72%	98%
2247	0%	100%	62%	64%	67%	33%	97%	97%	58%	70%	60%	35%	32%	75%	74%	98%
2248	0%	98%	62%	63%	65%	47%	93%	93%	56%	62%	60%	37%	34%	76%	75%	98%
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2401	74%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	31%	40%	57%	67%	29%
2402	66%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	31%	41%	59%	68%	49%
2403	55%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	29%	41%	76%	72%	37%
2404	83%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	28%	39%	72%	71%	19%

2405	97%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	29%	36%	77%	73%	17%
2406	95%	0%	0%	1%	1%	0%	1%	1%	0%	3%	0%	30%	33%	91%	74%	20%
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2458	94%	23%	66%	72%	71%	100%	27%	27%	66%	78%	68%	29%	30%	97%	9%	97%
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2539	14%	21%	21%	0%	0%	27%	1%	1%	15%	0%	19%	37%	34%	93%	70%	82%
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3327	3%	52%	72%	55%	57%	44%	100%	100%	70%	68%	73%	27%	26%	20%	19%	3%
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3343	2%	32%	22%	48%	49%	4%	56%	56%	26%	57%	26%	25%	34%	4%	18%	3%
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3485	29%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	28%	35%	12%	67%	20%
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3640	78%	100%	77%	72%	74%	71%	23%	23%	66%	65%	71%	28%	27%	12%	9%	28%
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3647	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	28%	28%	21%	20%	84%
3648	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	28%	29%	28%	18%	84%
3649	18%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	27%	29%	13%	26%	84%
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3795	72%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	24%	30%	33%	45%	92%
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4105	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	27%	29%	14%	37%	8%
4106	26%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	26%	30%	20%	41%	7%
4107	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	24%	30%	25%	65%	2%
4108	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	22%	30%	11%	69%	10%
4109	15%	0%	0%	0%	1%	0%	1%	1%	0%	1%	0%	21%	27%	13%	62%	7%
4110	25%	0%	1%	23%	22%	1%	30%	30%	2%	27%	2%	21%	27%	12%	56%	0%
4111	7%	15%	22%	47%	45%	30%	73%	73%	29%	62%	28%	19%	27%	4%	55%	0%
4112	0%	24%	44%	53%	51%	57%	91%	91%	53%	78%	54%	19%	27%	5%	65%	0%
4113	0%	21%	60%	58%	57%	54%	100%	100%	66%	87%	67%	18%	29%	1%	61%	0%
4114	0%	20%	63%	71%	70%	90%	100%	100%	74%	91%	74%	19%	28%	1%	65%	0%
4115	0%	31%	68%	74%	73%	100%	100%	100%	76%	93%	75%	20%	29%	5%	64%	0%
4116	3%	27%	77%	71%	71%	83%	96%	96%	76%	90%	77%	21%	28%	3%	68%	0%
4117	0%	31%	75%	66%	66%	83%	93%	93%	77%	84%	79%	23%	29%	1%	67%	1%
4118	0%	28%	71%	65%	67%	58%	100%	100%	76%	82%	80%	25%	28%	5%	66%	1%
4119	0%	16%	72%	60%	62%	46%	100%	100%	77%	81%	77%	27%	27%	12%	71%	0%
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4126	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	27%	24%	28%	68%	5%
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4131	24%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	24%	30%	30%	74%	65%
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4143	11%	84%	76%	74%	76%	74%	99%	99%	72%	86%	78%	27%	27%	0%	3%	0%
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4145	34%	70%	71%	57%	56%	63%	83%	83%	61%	67%	66%	28%	29%	0%	7%	0%
4146	85%	58%	60%	40%	40%	44%	62%	62%	55%	49%	58%	28%	28%	2%	5%	0%

4147	29%	15%	43%	11%	12%	32%	18%	18%	40%	13%	42%	29%	25%	0%	4%	0%
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4149	21%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	27%	23%	0%	3%	2%
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4154	52%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	26%	30%	3%	10%	1%
4155	40%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	24%	30%	4%	14%	0%
4156	37%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	22%	30%	4%	15%	0%
4157	48%	0%	0%	0%	1%	0%	1%	1%	0%	1%	0%	21%	27%	12%	9%	6%
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4161	37%	64%	70%	72%	72%	100%	95%	95%	68%	89%	67%	18%	29%	4%	6%	11%
4162	46%	57%	76%	73%	73%	100%	94%	95%	72%	90%	69%	19%	28%	6%	7%	11%
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4164	86%	100%	77%	74%	75%	100%	100%	100%	79%	89%	84%	21%	28%	0%	6%	17%
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4192	33%	100%	69%	75%	74%	64%	83%	83%	79%	78%	79%	28%	27%	1%	1%	0%
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4197	70%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	27%	23%	10%	2%	0%
4198	51%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	27%	24%	10%	4%	0%
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4207	84%	30%	28%	58%	56%	3%	56%	56%	28%	56%	27%	19%	27%	28%	8%	3%
4208	44%	74%	57%	71%	70%	10%	77%	77%	56%	68%	54%	19%	27%	16%	3%	0%
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4212	29%	100%	95%	84%	84%	100%	97%	98%	86%	91%	89%	21%	28%	9%	0%	0%
4213	64%	100%	90%	82%	82%	100%	93%	94%	89%	92%	86%	23%	29%	10%	0%	0%

4214	84%	100%	90%	81%	81%	100%	90%	91%	87%	91%	85%	25%	28%	18%	0%	5%
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4231	47%	12%	23%	51%	51%	48%	50%	50%	29%	54%	27%	19%	27%	20%	10%	0%
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4235	3%	100%	67%	73%	72%	100%	88%	88%	78%	83%	79%	20%	29%	36%	1%	0%
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4237	7%	100%	74%	73%	72%	100%	84%	84%	81%	85%	77%	23%	29%	15%	0%	0%
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4239	4%	100%	72%	72%	71%	85%	68%	68%	77%	74%	71%	27%	27%	30%	0%	0%
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4241	8%	100%	65%	55%	54%	93%	22%	22%	63%	53%	64%	28%	29%	50%	0%	0%
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4243	64%	83%	40%	12%	13%	77%	10%	10%	41%	8%	35%	29%	25%	38%	0%	3%
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4246	71%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	27%	24%	49%	20%	5%
4247	90%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	28%	28%	80%	29%	15%
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4257	9%	100%	70%	71%	72%	33%	86%	86%	69%	67%	74%	18%	29%	31%	0%	18%
4258	3%	100%	81%	74%	75%	88%	93%	93%	80%	69%	84%	19%	28%	36%	2%	12%
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4265	3%	100%	80%	65%	65%	16%	64%	64%	72%	71%	68%	28%	29%	27%	9%	9%
4266	4%	100%	65%	45%	44%	11%	35%	35%	59%	54%	61%	28%	28%	25%	7%	14%
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4272	36%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	28%	29%	0%	20%	48%
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4415	34%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	17%	20%	36%	54%	31%
4416	32%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	18%	23%	50%	53%	30%
4417	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	20%	23%	47%	52%	14%
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4570	26%	91%	76%	79%	78%	24%	100%	100%	79%	86%	77%	12%	17%	2%	21%	25%
4571	16%	99%	80%	79%	78%	32%	100%	100%	81%	89%	78%	12%	18%	1%	11%	15%
4572	28%	100%	81%	80%	79%	45%	100%	100%	83%	89%	79%	14%	16%	5%	21%	27%
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4574	31%	100%	83%	77%	76%	16%	100%	100%	81%	83%	84%	15%	15%	14%	20%	31%
4575	6%	100%	81%	71%	71%	85%	75%	75%	81%	84%	86%	16%	14%	0%	7%	6%
4576	17%	93%	76%	71%	70%	95%	91%	91%	71%	73%	82%	16%	16%	0%	6%	17%
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4583	36%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	17%	20%	28%	32%	31%
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4585	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	20%	23%	58%	27%	11%
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4605	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	12%	16%	0%	33%	6%
4606	58%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	14%	17%	0%	30%	49%
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4613	84%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	18%	23%	30%	19%	80%
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4615	39%	8%	28%	61%	59%	41%	39%	39%	30%	52%	25%	15%	20%	14%	28%	36%

4616	70%	19%	55%	72%	71%	88%	59%	59%	60%	65%	55%	13%	20%	13%	29%	67%
4617	61%	14%	68%	77%	76%	100%	65%	65%	70%	70%	70%	11%	18%	2%	34%	61%
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4619	54%	30%	81%	83%	82%	100%	96%	97%	78%	77%	83%	12%	18%	0%	20%	53%
4620	33%	23%	83%	78%	78%	100%	95%	95%	85%	74%	87%	14%	16%	4%	21%	35%
4621	41%	30%	82%	82%	82%	100%	83%	83%	87%	75%	89%	15%	14%	4%	17%	44%
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4680	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	18%	23%	0%	28%	3%
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4682	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	20%	25%	13%	22%	7%

4683	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	20%	26%	1%	23%	8%
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4689	1%	100%	83%	83%	84%	3%	89%	89%	77%	82%	79%	11%	18%	0%	20%	1%
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4709	83%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	18%	23%	20%	6%	77%
4710	93%	0%	0%	24%	25%	1%	24%	24%	1%	22%	0%	17%	21%	8%	6%	86%
4711	16%	19%	28%	58%	60%	39%	72%	73%	28%	60%	26%	15%	20%	9%	4%	15%
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4717	0%	100%	92%	77%	78%	100%	100%	100%	89%	87%	93%	15%	14%	4%	2%	0%
4718	0%	100%	93%	79%	80%	100%	100%	100%	90%	90%	93%	15%	15%	21%	1%	0%
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4723	20%	57%	58%	12%	14%	81%	16%	16%	54%	11%	57%	15%	16%	5%	17%	20%
4724	23%	11%	17%	0%	0%	22%	0%	0%	12%	0%	16%	12%	16%	3%	14%	22%
4725	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	12%	16%	5%	15%	16%
4726	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	14%	17%	11%	27%	10%
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4735	18%	5%	27%	65%	66%	35%	70%	71%	25%	68%	26%	15%	20%	20%	72%	13%
4736	8%	23%	62%	82%	81%	85%	88%	89%	61%	83%	62%	13%	20%	9%	44%	8%
4737	3%	41%	78%	84%	84%	100%	97%	97%	75%	87%	77%	11%	18%	0%	13%	3%
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4750	49%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	14%	17%	42%	39%	41%
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4752	52%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	18%	23%	15%	73%	40%
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4783	36%	13%	19%	44%	45%	35%	51%	51%	19%	55%	16%	15%	20%	68%	26%	33%
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4875	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	20%	26%	20%	31%	0%
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4880	13%	67%	54%	66%	64%	81%	91%	91%	50%	62%	47%	13%	20%	16%	5%	12%
4881	2%	93%	66%	75%	74%	100%	100%	100%	65%	70%	66%	11%	18%	7%	2%	2%
4882	5%	100%	73%	83%	83%	100%	100%	100%	71%	77%	74%	12%	17%	9%	0%	6%
4883	1%	100%	86%	83%	83%	100%	100%	100%	78%	84%	77%	12%	18%	11%	0%	1%

4884	10%	78%	87%	81%	81%	97%	100%	100%	80%	89%	80%	14%	16%	8%	1%	11%
4885	2%	54%	82%	80%	80%	63%	100%	100%	82%	89%	80%	15%	14%	4%	1%	3%
4886	7%	100%	81%	80%	79%	56%	100%	100%	84%	83%	82%	15%	15%	16%	1%	8%
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4952	19%	14%	49%	62%	63%	65%	29%	29%	55%	75%	45%	13%	20%	14%	53%	18%
4953	8%	47%	66%	70%	70%	91%	56%	56%	71%	81%	62%	11%	18%	19%	52%	9%
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4957	0%	85%	75%	70%	71%	100%	86%	86%	68%	82%	77%	15%	14%	20%	35%	0%
4958	0%	97%	72%	73%	72%	92%	86%	86%	75%	83%	75%	15%	15%	27%	24%	0%
4959	1%	68%	73%	68%	66%	79%	87%	87%	73%	80%	72%	16%	14%	27%	27%	1%
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5035	9%	70%	44%	7%	8%	68%	6%	6%	40%	6%	43%	15%	16%	0%	8%	9%
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5190	9%	0%	0%	14%	14%	0%	12%	12%	0%	12%	0%	19%	29%	62%	32%	9%
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5193	0%	66%	67%	74%	73%	71%	94%	94%	61%	74%	61%	15%	20%	30%	11%	0%
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5486	0%	100%	82%	61%	63%	99%	94%	94%	83%	79%	82%	14%	19%	0%	8%	0%

5487	0%	100%	78%	62%	65%	100%	91%	91%	77%	74%	81%	17%	19%	0%	7%	0%
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5497	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	21%	31%	0%	0%	2%
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5505	0%	88%	57%	53%	55%	68%	70%	70%	55%	61%	66%	15%	20%	0%	6%	0%
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5808	68%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	21%	29%	26%	43%	45%
5809	24%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	21%	31%	28%	49%	19%
5810	21%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	21%	31%	18%	50%	20%
5811	19%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	20%	32%	5%	51%	16%
5812	69%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	20%	33%	17%	53%	60%
5813	80%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	19%	31%	16%	61%	70%
5814	84%	0%	0%	1%	2%	0%	0%	0%	0%	3%	0%	19%	29%	6%	59%	70%
5815	47%	4%	4%	40%	41%	3%	4%	4%	6%	42%	5%	18%	27%	16%	58%	39%
5816	32%	52%	42%	65%	68%	27%	5%	5%	47%	67%	44%	17%	24%	38%	52%	27%
5817	28%	92%	66%	71%	72%	58%	15%	15%	68%	73%	70%	15%	20%	7%	31%	25%
5818	27%	91%	74%	78%	79%	88%	26%	26%	74%	82%	79%	14%	18%	4%	19%	25%
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5820	39%	90%	83%	77%	78%	92%	76%	76%	82%	84%	82%	14%	17%	8%	9%	36%
5821	23%	86%	84%	72%	74%	75%	52%	52%	81%	83%	82%	15%	18%	3%	16%	23%

5822	15%	85%	82%	73%	74%	66%	31%	31%	80%	78%	80%	14%	19%	8%	28%	15%
5823	12%	85%	78%	80%	80%	67%	19%	19%	79%	74%	81%	17%	19%	6%	36%	12%
5824	16%	84%	75%	74%	77%	75%	27%	27%	79%	70%	78%	16%	18%	14%	50%	17%
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5826	17%	69%	60%	21%	21%	47%	19%	19%	61%	20%	57%	16%	19%	19%	52%	17%
5827	28%	26%	22%	0%	0%	16%	0%	0%	19%	0%	20%	15%	19%	22%	55%	25%
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5830	86%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	17%	23%	54%	50%	77%
5831	96%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	20%	25%	58%	49%	91%
5832	68%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	21%	29%	49%	49%	65%
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5835	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	27%	37%	63%	55%	41%
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5837	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	26%	36%	58%	52%	54%
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5842	11%	100%	64%	66%	68%	100%	7%	7%	78%	83%	74%	18%	28%	34%	20%	15%
5843	8%	75%	65%	67%	67%	100%	15%	15%	80%	87%	75%	19%	26%	33%	15%	15%
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5846	0%	88%	73%	71%	74%	98%	9%	9%	67%	84%	72%	23%	27%	18%	24%	30%
5847	0%	100%	74%	77%	80%	96%	8%	8%	63%	77%	69%	25%	27%	28%	33%	40%
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5851	0%	29%	20%	0%	0%	34%	0%	0%	16%	0%	17%	20%	27%	25%	47%	33%
5852	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	21%	28%	21%	48%	43%
5853	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	23%	31%	28%	46%	57%
5854	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	25%	35%	11%	44%	60%
5855	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	28%	37%	3%	38%	65%
5856	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	26%	36%	6%	22%	57%
5857	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	26%	37%	39%	28%	52%
5858	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	27%	37%	35%	34%	41%
5859	36%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	27%	37%	19%	47%	49%
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5861	21%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	26%	36%	38%	55%	38%
5862	12%	0%	0%	1%	1%	0%	3%	3%	0%	3%	0%	24%	34%	29%	52%	42%
5863	1%	4%	4%	42%	42%	6%	43%	43%	5%	39%	4%	22%	33%	34%	43%	53%
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5865	0%	98%	72%	78%	77%	100%	95%	95%	64%	74%	70%	20%	32%	16%	19%	17%
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5867	0%	100%	82%	80%	80%	100%	98%	98%	75%	80%	79%	19%	26%	23%	20%	19%
5868	0%	100%	82%	76%	76%	100%	96%	96%	75%	78%	78%	20%	26%	26%	20%	19%
5869	0%	62%	84%	76%	77%	100%	96%	96%	74%	80%	79%	21%	26%	33%	25%	19%
5870	0%	100%	85%	78%	79%	100%	96%	96%	77%	80%	78%	23%	27%	42%	27%	20%
5871	0%	100%	86%	77%	79%	100%	94%	95%	76%	74%	79%	25%	27%	49%	23%	22%
5872	0%	100%	84%	70%	72%	100%	89%	89%	74%	72%	82%	26%	27%	54%	19%	25%
5873	0%	100%	77%	61%	61%	100%	75%	75%	70%	57%	79%	25%	28%	39%	19%	24%
5874	0%	89%	63%	17%	17%	88%	26%	26%	59%	17%	64%	22%	28%	62%	18%	25%
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5876	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	21%	28%	28%	0%	14%
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5882	16%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	27%	37%	30%	0%	15%
5883	26%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	27%	37%	12%	0%	13%
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5885	23%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	26%	36%	21%	0%	28%
5886	19%	0%	0%	0%	1%	0%	2%	2%	0%	3%	0%	24%	34%	14%	0%	46%
5887	29%	3%	4%	35%	37%	4%	23%	23%	5%	41%	4%	22%	33%	12%	0%	32%
5888	30%	51%	46%	59%	62%	52%	61%	61%	46%	67%	48%	24%	32%	19%	7%	19%

5889	15%	97%	74%	70%	74%	91%	82%	82%	76%	76%	78%	20%	32%	4%	6%	3%
5890	0%	100%	82%	74%	78%	99%	90%	90%	86%	78%	85%	18%	28%	5%	2%	3%
5891	1%	100%	84%	73%	77%	100%	92%	92%	93%	84%	86%	19%	26%	6%	0%	2%
5892	70%	100%	82%	71%	74%	100%	90%	90%	91%	86%	89%	20%	26%	6%	2%	1%
5893	100%	86%	84%	72%	76%	99%	87%	88%	91%	86%	88%	21%	26%	9%	5%	1%
5894	50%	100%	86%	77%	79%	98%	87%	87%	92%	84%	88%	23%	27%	17%	5%	2%
5895	100%	100%	87%	76%	77%	96%	83%	83%	89%	83%	89%	25%	27%	30%	5%	5%
5896	92%	100%	84%	69%	70%	98%	73%	73%	85%	79%	86%	26%	27%	24%	4%	2%
5897	69%	100%	74%	55%	56%	93%	48%	48%	71%	64%	78%	25%	28%	4%	2%	2%
5898	76%	79%	59%	14%	15%	78%	11%	11%	54%	19%	64%	22%	28%	2%	1%	4%
5899	79%	24%	18%	0%	0%	25%	0%	0%	14%	0%	20%	20%	27%	3%	3%	4%
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5901	81%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	23%	31%	21%	0%	12%
5902	89%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	25%	35%	21%	0%	21%
5903	92%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	28%	37%	46%	0%	57%
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5908	79%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	28%	37%	52%	0%	32%
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5910	64%	0%	0%	1%	1%	0%	2%	2%	0%	3%	0%	24%	34%	14%	0%	20%
5911	54%	3%	3%	43%	42%	4%	30%	30%	5%	43%	4%	22%	33%	18%	0%	34%
5912	37%	53%	43%	66%	65%	51%	66%	66%	45%	70%	44%	24%	32%	24%	7%	30%
5913	5%	98%	71%	75%	75%	88%	81%	81%	70%	77%	70%	20%	32%	11%	8%	4%
5914	4%	100%	75%	79%	80%	98%	87%	87%	82%	84%	75%	18%	28%	9%	7%	1%
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5917	5%	100%	79%	74%	75%	99%	71%	71%	82%	85%	84%	21%	26%	20%	2%	10%
5918	7%	100%	76%	74%	74%	99%	67%	67%	82%	86%	82%	23%	27%	12%	3%	7%
5919	6%	93%	77%	77%	76%	99%	68%	68%	81%	88%	82%	25%	27%	18%	4%	9%
5920	10%	100%	76%	77%	75%	98%	64%	64%	77%	83%	77%	26%	27%	19%	2%	8%
5921	13%	100%	69%	62%	60%	92%	48%	48%	68%	67%	65%	25%	28%	28%	0%	16%
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5925	36%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	23%	31%	40%	0%	15%
5926	23%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	25%	35%	57%	0%	22%
5927	19%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	28%	37%	54%	0%	55%
5928	19%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	26%	36%	95%	0%	75%
5929	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	26%	37%	96%	0%	84%
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5931	47%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	27%	37%	25%	0%	90%
5932	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	28%	37%	43%	0%	80%
5933	26%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	26%	36%	40%	0%	87%
5934	20%	0%	0%	1%	1%	0%	1%	1%	0%	3%	0%	24%	34%	42%	0%	87%
5935	24%	1%	4%	46%	46%	5%	11%	11%	5%	45%	4%	22%	33%	50%	0%	92%
5936	14%	26%	47%	76%	77%	60%	29%	29%	49%	73%	48%	24%	32%	25%	4%	88%
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5942	0%	46%	79%	81%	79%	100%	76%	77%	82%	78%	81%	23%	27%	38%	0%	24%
5943	0%	100%	82%	79%	78%	100%	78%	78%	78%	73%	83%	25%	27%	31%	0%	22%
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5949	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	23%	31%	30%	0%	73%
5950	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	25%	35%	17%	0%	78%
5951	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	28%	37%	17%	0%	67%
5952	23%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	26%	36%	18%	0%	31%
5953	32%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	26%	37%	10%	0%	37%
5954	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	27%	37%	9%	0%	33%
5955	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	27%	37%	17%	0%	22%

5956	23%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	28%	37%	15%	0%	26%
5957	30%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	26%	36%	19%	0%	33%
5958	43%	0%	0%	0%	1%	0%	2%	2%	0%	3%	0%	24%	34%	11%	0%	46%
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5960	19%	44%	39%	61%	63%	53%	84%	85%	45%	65%	41%	24%	32%	6%	12%	31%
5961	21%	91%	68%	67%	71%	91%	94%	95%	73%	73%	71%	20%	32%	7%	11%	29%
5962	20%	100%	76%	71%	73%	99%	97%	98%	81%	84%	76%	18%	28%	14%	2%	25%
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6120	41%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	26%	36%	35%	66%	23%
6121	55%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	26%	37%	37%	76%	56%
6122	98%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	27%	37%	35%	69%	35%
6123	94%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	27%	37%	32%	68%	22%
6124	76%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	28%	37%	46%	63%	26%
6125	74%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	26%	36%	8%	59%	25%
6126	61%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	24%	34%	8%	57%	12%
6127	60%	1%	2%	24%	26%	0%	6%	6%	3%	43%	2%	22%	33%	11%	60%	20%
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6157	7%	100%	72%	72%	71%	91%	55%	55%	64%	77%	66%	21%	26%	3%	0%	1%
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6265	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	26%	37%	13%	69%	25%
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6273	5%	16%	57%	61%	60%	8%	30%	30%	58%	73%	57%	20%	32%	7%	36%	10%
6274	0%	37%	63%	65%	64%	6%	66%	67%	66%	79%	65%	18%	28%	0%	26%	1%
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6887	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	35%	7%	53%	18%
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6892	36%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	32%	33%	55%	19%	5%
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6894	78%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	32%	22%	0%	7%
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7205	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	32%	32%	55%	72%	97%
7206	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	32%	70%	71%	79%
7207	0%	0%	0%	1%	2%	0%	6%	6%	0%	8%	0%	33%	32%	48%	66%	83%
7208	4%	1%	4%	37%	36%	0%	47%	47%	5%	48%	4%	33%	32%	47%	73%	69%
7209	34%	26%	32%	52%	50%	5%	73%	73%	35%	54%	35%	32%	32%	11%	73%	48%
7210	17%	87%	48%	53%	52%	9%	75%	75%	45%	60%	47%	31%	30%	23%	70%	29%
7211	10%	88%	54%	53%	53%	19%	73%	73%	48%	61%	54%	30%	29%	79%	76%	31%
7212	16%	87%	55%	49%	50%	31%	71%	71%	52%	63%	58%	31%	30%	97%	86%	48%
7213	12%	85%	52%	47%	48%	32%	73%	73%	53%	62%	58%	32%	31%	97%	88%	55%
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7216	3%	91%	51%	36%	38%	12%	52%	52%	44%	56%	49%	33%	34%	97%	89%	77%
7217	9%	64%	39%	1%	2%	4%	9%	9%	32%	6%	37%	33%	34%	97%	91%	83%
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7219	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	30%	30%	97%	90%	79%
7220	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	29%	29%	97%	86%	70%
7221	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	30%	32%	92%	80%	83%
7222	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	34%	84%	72%	43%
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7228	51%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	32%	33%	78%	71%	80%

7229	38%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	32%	32%	45%	65%	91%
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7296	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	36%	6%	20%	91%
7297	40%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	31%	10%	24%	41%
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7358	2%	80%	58%	51%	54%	65%	73%	73%	57%	57%	53%	34%	30%	1%	10%	3%
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7360	3%	84%	59%	38%	1%	68%	47%	47%	54%	41%	56%	37%	32%	4%	9%	5%
7361	7%	61%	42%	0%	0%	44%	6%	6%	33%	4%	41%	39%	32%	8%	6%	9%
7362	11%	7%	3%	0%	0%	3%	0%	0%	2%	0%	3%	36%	31%	30%	1%	12%

7363	21%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	32%	46%	4%	23%
7364	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	33%	42%	6%	53%
7365	55%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	33%	29%	10%	52%
7366	82%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	34%	37%	32%	80%
7367	88%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	32%	46%	52%	82%
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7389	86%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	33%	97%	67%	72%
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7402	58%	11%	46%	47%	44%	9%	64%	64%	57%	57%	53%	33%	35%	5%	56%	49%
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7405	40%	17%	48%	37%	37%	10%	46%	46%	54%	58%	54%	33%	30%	2%	32%	40%
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7407	33%	9%	48%	37%	23%	3%	19%	19%	49%	49%	48%	35%	31%	22%	39%	26%
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7412	53%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	33%	54%	55%	53%
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7417	18%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	31%	68%	53%	16%
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7469	74%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	31%	34%	12%	3%	79%
7470	79%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	31%	33%	0%	3%	79%
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7474	26%	78%	42%	54%	47%	84%	77%	77%	51%	63%	48%	33%	35%	1%	0%	28%
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7493	18%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	31%	34%	0%	76%	20%
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7495	39%	0%	0%	0%	24%	0%	3%	3%	0%	3%	0%	32%	33%	3%	75%	42%
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7497	53%	42%	29%	47%	49%	49%	77%	77%	34%	55%	36%	33%	33%	52%	58%	50%
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7522	40%	83%	51%	39%	41%	78%	75%	75%	53%	71%	56%	33%	35%	62%	64%	32%
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7825	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	31%	59%	13%	98%
7826	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	37%	33%	63%	12%	97%
7827	93%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	35%	33%	75%	10%	92%
7828	79%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	32%	34%	79%	14%	79%
7829	79%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	31%	34%	81%	11%	79%
7830	47%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	31%	33%	81%	11%	50%
7831	35%	0%	0%	0%	12%	0%	0%	0%	0%	0%	0%	32%	33%	72%	9%	38%

7832	39%	0%	0%	12%	32%	0%	14%	14%	0%	24%	0%	33%	33%	56%	16%	42%
7833	58%	2%	16%	32%	37%	6%	44%	45%	23%	45%	20%	33%	33%	58%	26%	60%
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7837	57%	12%	45%	36%	40%	62%	63%	63%	46%	54%	44%	33%	30%	62%	3%	59%
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7852	53%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	32%	34%	58%	63%	48%
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7854	71%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	31%	33%	38%	67%	66%
7855	89%	0%	0%	0%	13%	0%	0%	0%	0%	0%	0%	32%	33%	40%	69%	89%
7856	93%	0%	0%	13%	35%	0%	2%	2%	0%	23%	0%	33%	33%	56%	70%	92%
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7873	99%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	31%	25%	79%	97%
7874	43%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	37%	33%	7%	79%	43%
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7882	33%	8%	38%	35%	35%	73%	4%	4%	39%	52%	43%	33%	35%	10%	61%	34%
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7887	27%	12%	33%	28%	13%	70%	4%	4%	35%	49%	34%	35%	31%	67%	60%	29%
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7897	56%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	31%	39%	68%	58%
7898	56%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	37%	33%	25%	68%	61%

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7968	99%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	33%	8%	76%	93%
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7978	96%	19%	35%	35%	34%	67%	59%	59%	39%	46%	37%	33%	35%	10%	79%	91%
7979	94%	42%	40%	33%	32%	69%	23%	23%	40%	50%	46%	32%	34%	8%	81%	91%
7980	94%	52%	41%	32%	29%	62%	22%	22%	43%	48%	45%	32%	31%	8%	87%	90%
7981	90%	53%	38%	28%	25%	58%	24%	24%	43%	46%	44%	33%	30%	7%	89%	88%
7982	83%	48%	37%	24%	25%	61%	9%	9%	42%	45%	43%	34%	30%	4%	89%	79%
7983	59%	56%	30%	23%	10%	67%	5%	5%	42%	40%	41%	35%	31%	1%	88%	57%
7984	49%	22%	28%	9%	0%	68%	6%	6%	38%	21%	33%	37%	32%	0%	80%	45%
7985	82%	14%	11%	0%	0%	30%	0%	0%	14%	0%	15%	39%	32%	0%	73%	75%
7986	98%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	31%	0%	67%	93%
7987	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	32%	0%	63%	61%
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7990	99%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	34%	0%	69%	97%
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7992	68%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	33%	0%	71%	67%
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8021	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	30%	27%	84%	66%	58%
8022	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	30%	27%	91%	64%	53%
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8033	0%	36%	17%	0%	0%	22%	1%	1%	18%	0%	21%	29%	27%	48%	81%	88%
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8035	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	30%	33%	56%	74%	54%
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8120	98%	0%	0%	4%	29%	0%	1%	1%	0%	14%	0%	28%	30%	10%	44%	93%
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8131	83%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	30%	33%	25%	59%	60%
8132	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	32%	34%	49%	67%	59%
8133	36%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	35%	36%	48%	75%	73%
8134	86%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	35%	36%	61%	80%	73%
8135	98%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	32%	77%	82%	70%
8136	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	31%	70%	82%	73%
8137	90%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	28%	84%	83%	81%
8138	99%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	27%	92%	83%	93%
8139	98%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	28%	93%	84%	91%
8140	60%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	31%	28%	94%	83%	89%
8141	37%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	30%	27%	96%	81%	86%
8142	64%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	30%	27%	84%	83%	74%
8143	47%	0%	0%	0%	5%	0%	0%	0%	0%	0%	0%	29%	28%	80%	81%	65%
8144	38%	0%	0%	4%	33%	0%	3%	3%	0%	12%	0%	28%	30%	71%	79%	70%
8145	58%	1%	9%	32%	36%	2%	5%	5%	10%	26%	10%	28%	31%	85%	78%	72%
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8147	92%	8%	39%	34%	33%	40%	6%	6%	34%	38%	37%	25%	30%	29%	67%	53%
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8149	83%	16%	38%	32%	34%	14%	5%	5%	33%	38%	37%	25%	26%	25%	37%	61%
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8152	79%	9%	38%	15%	0%	15%	3%	3%	32%	20%	26%	28%	26%	25%	52%	62%
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8162	56%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	27%	12%	54%	91%
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8165	92%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	30%	27%	8%	75%	89%
8166	87%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	30%	27%	2%	74%	91%

8167	80%	0%	0%	0%	6%	0%	0%	0%	0%	0%	0%	29%	28%	0%	73%	89%
8168	75%	0%	0%	5%	37%	0%	4%	4%	0%	17%	0%	28%	30%	0%	71%	88%
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8170	74%	45%	43%	42%	41%	35%	23%	23%	35%	52%	27%	26%	31%	0%	75%	75%
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8179	42%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	30%	33%	20%	58%	64%
8180	71%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	32%	34%	35%	56%	89%
8181	58%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	35%	36%	21%	56%	91%
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8185	49%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	28%	30%	50%	37%
8186	91%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	27%	52%	46%	51%
8187	96%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	28%	55%	42%	73%
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8189	44%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	30%	27%	53%	43%	54%
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8211	65%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	28%	16%	74%	0%
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8234	40%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	27%	6%	85%	96%
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8242	79%	66%	42%	45%	42%	62%	58%	58%	34%	40%	39%	26%	31%	0%	79%	92%
8243	94%	68%	49%	43%	38%	66%	58%	58%	38%	44%	45%	25%	30%	0%	76%	63%
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8258	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	27%	19%	71%	56%
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8260	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	31%	28%	55%	64%	69%
8261	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	30%	27%	55%	60%	45%
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8265	43%	14%	9%	45%	48%	11%	36%	36%	10%	36%	9%	28%	31%	65%	55%	84%
8266	44%	64%	39%	48%	42%	63%	61%	62%	33%	41%	35%	26%	31%	74%	45%	90%
8267	53%	70%	44%	42%	38%	66%	60%	60%	38%	44%	43%	25%	30%	51%	39%	72%
8268	25%	65%	41%	38%	41%	59%	56%	56%	37%	46%	41%	26%	28%	64%	37%	68%
8269	19%	61%	41%	40%	45%	54%	58%	58%	35%	46%	40%	25%	26%	62%	30%	72%
8270	37%	62%	41%	44%	48%	57%	50%	50%	37%	48%	39%	26%	26%	54%	23%	76%
8271	23%	67%	44%	49%	21%	63%	15%	15%	37%	47%	40%	27%	27%	34%	15%	85%
8272	24%	69%	46%	21%	0%	65%	14%	14%	33%	28%	36%	28%	26%	38%	33%	91%
8273	27%	35%	20%	0%	0%	28%	0%	0%	16%	0%	17%	29%	27%	31%	56%	97%
8274	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	30%	29%	16%	63%	97%
8275	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	30%	33%	15%	65%	94%
8276	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	32%	34%	16%	61%	91%
8277	90%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	35%	36%	10%	62%	79%
8278	85%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	35%	36%	9%	68%	79%
8279	65%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	32%	9%	70%	82%
8280	99%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	31%	11%	76%	83%
8281	99%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	28%	20%	72%	63%
8282	99%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	27%	30%	68%	63%
8283	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	28%	43%	67%	38%
8284	91%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	31%	28%	57%	74%	38%
8285	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	30%	27%	81%	81%	34%
8286	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	30%	27%	83%	78%	15%
8287	100%	0%	0%	0%	3%	0%	0%	0%	0%	0%	0%	29%	28%	85%	79%	17%
8288	94%	0%	0%	2%	31%	0%	7%	7%	0%	11%	0%	28%	30%	89%	76%	24%
8289	94%	3%	7%	32%	35%	9%	46%	46%	10%	39%	10%	28%	31%	93%	73%	24%
8290	94%	31%	31%	34%	34%	58%	68%	68%	38%	44%	38%	26%	31%	86%	72%	25%
8291	96%	63%	37%	35%	32%	63%	63%	63%	40%	47%	40%	25%	30%	63%	72%	27%
8292	73%	45%	37%	33%	36%	57%	59%	59%	36%	42%	40%	26%	28%	71%	74%	32%
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8294	70%	14%	37%	40%	38%	54%	65%	65%	37%	39%	38%	26%	26%	85%	76%	60%
8295	65%	11%	40%	39%	15%	54%	39%	39%	40%	35%	37%	27%	27%	78%	80%	97%
8296	64%	13%	39%	14%	0%	61%	5%	5%	35%	22%	37%	28%	26%	77%	78%	97%
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8300	56%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	32%	34%	58%	76%	98%

8301	40%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	35%	36%	28%	71%	98%
8302	18%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	35%	36%	9%	71%	98%
8303	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	32%	6%	69%	98%
8304	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	31%	1%	70%	98%
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8320	99%	21%	31%	14%	0%	13%	3%	3%	22%	20%	26%	28%	26%	16%	52%	81%
8321	99%	7%	14%	0%	0%	12%	0%	0%	10%	0%	13%	29%	27%	20%	50%	94%
8322	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	30%	29%	46%	57%	96%
8323	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	30%	33%	36%	59%	94%
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8339	0%	4%	25%	24%	25%	5%	6%	6%	23%	38%	27%	25%	30%	0%	86%	14%
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8345	0%	6%	13%	0%	0%	1%	0%	0%	13%	0%	15%	29%	27%	20%	87%	15%
8346	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	30%	29%	36%	86%	20%
8347	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	30%	33%	58%	83%	18%
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8368	48%	56%	33%	14%	0%	6%	13%	13%	32%	25%	35%	28%	26%	34%	34%	7%
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8382	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	30%	27%	20%	67%	20%
8383	100%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%	29%	28%	18%	70%	23%
8384	99%	0%	0%	1%	27%	0%	7%	7%	0%	13%	0%	28%	30%	11%	71%	15%
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8386	92%	30%	29%	33%	33%	31%	50%	50%	31%	47%	34%	26%	31%	0%	70%	8%
8387	74%	19%	31%	33%	30%	35%	57%	57%	33%	45%	32%	25%	30%	0%	72%	3%
8388	85%	24%	33%	29%	30%	54%	53%	53%	33%	42%	34%	26%	28%	4%	77%	0%
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8399	96%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	32%	56%	84%	12%
8400	91%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	31%	77%	83%	6%
8401	93%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	28%	87%	84%	9%
8402	94%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	27%	76%	85%	20%
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8406	32%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	30%	27%	87%	73%	39%
8407	46%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%	29%	28%	63%	64%	41%
8408	32%	0%	0%	1%	21%	0%	4%	4%	0%	11%	0%	28%	30%	68%	42%	38%
8409	23%	11%	4%	22%	27%	1%	21%	21%	6%	41%	5%	28%	31%	69%	20%	64%
8410	28%	48%	21%	28%	28%	5%	36%	36%	23%	45%	24%	26%	31%	40%	10%	68%
8411	22%	49%	27%	29%	28%	9%	39%	39%	28%	47%	26%	25%	30%	17%	5%	30%
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8413	22%	55%	29%	29%	26%	12%	47%	47%	30%	50%	28%	25%	26%	25%	1%	18%
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8416	11%	68%	25%	12%	0%	11%	29%	29%	31%	32%	29%	28%	26%	8%	3%	40%
8417	10%	38%	13%	0%	0%	4%	1%	1%	14%	1%	16%	29%	27%	9%	1%	58%
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8419	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	30%	33%	17%	3%	82%
8420	43%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	32%	34%	17%	6%	85%
8421	43%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	35%	36%	10%	7%	95%
8422	64%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	35%	36%	14%	8%	97%
8423	72%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	32%	16%	15%	97%
8424	76%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	31%	11%	27%	86%
8425	56%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	28%	11%	34%	94%
8426	48%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	27%	12%	42%	87%
8427	66%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	28%	9%	44%	77%
8428	53%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	31%	28%	6%	39%	39%
8429	40%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	30%	27%	4%	35%	90%
8430	36%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	30%	27%	1%	27%	94%
8431	57%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%	29%	28%	0%	24%	86%
8432	70%	0%	0%	1%	27%	0%	12%	12%	0%	12%	0%	28%	30%	2%	27%	89%
8433	64%	10%	5%	29%	31%	7%	63%	63%	8%	38%	7%	28%	31%	4%	26%	79%
8434	50%	55%	32%	33%	37%	51%	71%	71%	31%	45%	31%	26%	31%	9%	16%	70%

8435	58%	65%	38%	39%	36%	60%	65%	65%	40%	50%	35%	25%	30%	5%	10%	66%
8436	78%	62%	38%	37%	36%	56%	61%	61%	42%	50%	36%	26%	28%	3%	9%	57%
8437	78%	56%	38%	37%	37%	52%	62%	62%	40%	47%	36%	25%	26%	4%	8%	28%
8438	86%	53%	39%	39%	36%	53%	67%	67%	41%	48%	38%	26%	26%	3%	7%	19%
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8440	95%	25%	37%	15%	0%	58%	40%	40%	38%	24%	35%	28%	26%	2%	6%	14%
8441	82%	10%	17%	0%	0%	24%	2%	2%	16%	0%	18%	29%	27%	1%	7%	19%
8442	71%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	30%	29%	0%	8%	24%
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8601	99%	0%	4%	32%	38%	6%	20%	20%	7%	39%	5%	28%	31%	20%	11%	21%
8602	89%	4%	32%	40%	37%	52%	38%	38%	31%	43%	30%	26%	31%	14%	16%	12%
8603	66%	7%	39%	38%	32%	63%	14%	14%	35%	43%	35%	25%	30%	0%	10%	5%
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8605	54%	15%	37%	34%	34%	52%	21%	21%	37%	44%	35%	25%	26%	0%	30%	4%
8606	36%	16%	39%	35%	38%	54%	13%	13%	37%	45%	36%	26%	26%	2%	34%	7%
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8622	18%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	30%	27%	16%	73%	79%
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8636	27%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	32%	34%	57%	44%	94%
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8753	31%	30%	22%	0%	0%	8%	4%	4%	17%	2%	20%	29%	27%	23%	82%	96%
8754	53%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	30%	29%	48%	78%	98%
8755	48%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	30%	33%	97%	77%	97%
8756	68%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	32%	34%	98%	79%	72%
8757	94%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	35%	36%	98%	79%	86%
8758	94%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	35%	36%	97%	85%	97%
8759	97%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	32%	81%	86%	91%
8760	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	31%	81%	87%	85%

2021 IRP Contracts - PPA Price

Note: Congestion assumed separately

Name: Barton
Contract Type: Wind PPA
Contract D 6/1/2009 4/1/2024

Year	Capacity	Energy Cost
	MW	*nominal$/MWh*
2021	50	[redacted]
2022	50	
2023	50	
2024	50	

Name: Buffalo Ridge
Contract Type: Wind PPA
Contract D 4/1/2009 4/1/2024

Year	Capacity	Energy Cost
	MW	*nominal$/MWh*
2021	50	[redacted]
2022	50	
2023	50	
2024	50	

Name: Jordan Creek
Contract Type: Wind PPA
Contract Date 12/1/2020 12/31/2040

Year	Capacity	Energy Cost
	MW	*nominal$/MWh*
2021	400	[redacted]
2022	400	
2023	400	
2024	400	
2025	400	
2026	400	
2027	400	
2028	400	
2029	400	
2030	400	
2031	400	
2032	400	
2033	400	
2034	400	
2035	400	
2036	400	
2037	400	
2038	400	
2039	400	
2040	400	

Name: INCR II Wind
Contract Type: Wind PPA
Contract Date 12/1/2023 12/1/2038

Year	Capacity	Energy Cost
	MW	*nominal$/MWh*
2021		[redacted]
2022		
2023	200	
2024	200	
2025	200	
2026	200	
2027	200	
2028	200	
2029	200	
2030	200	
2031	200	
2032	200	
2033	200	
2034	200	
2035	200	
2036	200	
2037	200	
2038	200	
2039		
2040		

Name: Gibson
Contract Type: Solar PPA
Contract D 6/1/2023 6/1/2045

Year	Capacity	Energy Cost
	MW	*nominal$/MWh*
2021		[redacted]
2022		
2023	280	
2024	280	
2025	280	
2026	280	
2027	280	
2028	280	
2029	280	
2030	280	
2031	280	
2032	280	
2033	280	
2034	280	
2035	280	
2036	280	
2037	280	
2038	280	
2039	280	
2040	280	

Name: Greensboro
Contract Type: Solar PPA
Contract D 12/1/2022 12/1/2042

Year	Capacity	Energy Cost	Storage Cost
	MW	*nominal $/MWh*	*nominal $/kW-mo*
2021		[redacted]	
2022	100		
2023	100		
2024	100		
2025	100		
2026	100		
2027	100		
2028	100		
2029	100		
2030	100		
2031	100		
2032	100		
2033	100		
2034	100		
2035	100		
2036	100		
2037	100		
2038	100		
2039	100		
2040	100		

Name: Green River
Contract Type: Solar PPA
Contract D 6/1/2023 6/1/2043

Year	Capacity	Energy Cost
	MW	*nominal$/MWh*
2021		[redacted]
2022		
2023	200	
2024	200	
2025	200	
2026	200	
2027	200	
2028	200	
2029	200	
2030	200	
2031	200	
2032	200	
2033	200	
2034	200	
2035	200	
2036	200	
2037	200	
2038	200	
2039	200	
2040	200	

Name: Brickyard
Contract Type: Solar PPA
Contract D 12/1/2022 12/1/2042

Year	Capacity	Energy Cost
	MW	*nominal$/MWh*
2021		[redacted]
2022	200	
2023	200	
2024	200	
2025	200	
2026	200	
2027	200	
2028	200	
2029	200	
2030	200	
2031	200	
2032	200	
2033	200	
2034	200	
2035	200	
2036	200	
2037	200	
2038	200	
2039	200	
2040	200	

2021 IRP Contracts - FIT

Name:	LFIT - Solar_FIT 1.0	
Contract Type	Feed in Tarriff - Solar	
Start Date:		
End Date:		
Year	Capacity	Energy Cost
	MW	*nominal$/ MWh*
2021	14.5	310.8
2022	14.5	317.0
2023	14.5	323.3
2024	14.5	329.8
2025	14.5	336.4
2026	14.5	343.1
2027	14.5	350.0
2028	14.5	357.0
2029	14.5	
2030	14.5	
2031	14.5	
2032	14.5	
2033	14.5	
2034	14.5	
2035	14.5	
2036	14.5	
2037	14.5	
2038	14.5	
2039	14.5	
2040	14.5	

Name:	SFIT - Solar_FIT 1.0	
Contract Typ	Feed in Tarriff - Solar	
Start Date:		
End Date:		
Year	Capacity	Energy Cost
	MW	*nominal$/ MWh*
2021	0.7	358.5
2022	0.7	365.7
2023	0.7	373.0
2024	0.7	380.5
2025	0.7	388.1
2026	0.7	395.8
2027	0.7	403.8
2028	0.7	411.8
2029	0.7	
2030	0.7	
2031	0.7	
2032	0.7	
2033	0.7	
2034	0.7	
2035	0.7	
2036	0.7	
2037	0.7	
2038	0.7	
2039	0.7	
2040	0.7	

Name:	LFIT - Wind_FIT 1.0	
Contract Typ	Feed in Tarriff - Wind	
Start Date:		
End Date:		
Year	Capacity	Energy Cost
	MW	*nominal$/ MWh*
2021	0.2	195.3
2022	0.2	199.2
2023	0.2	203.2
2024	0.2	207.2
2025	0.2	211.4
2026	0.2	215.6
2027	0.2	219.9
2028	0.2	224.3
2029	0.2	
2030	0.2	
2031	0.2	
2032	0.2	
2033	0.2	
2034	0.2	
2035	0.2	
2036	0.2	
2037	0.2	
2038	0.2	
2039	0.2	
2040	0.2	

Name:	SFIT - Wind_FIT 1.0	
Contract Typ	Feed in Tarriff - Wind	
Start Date:		
End Date:		
Year	Capacity	Energy Cost
	MW	*nominal$/ MWh*
2021	0.0	259.4
2022	0.0	264.6
2023	0.0	269.9
2024	0.0	275.3
2025	0.0	280.8
2026	0.0	286.4
2027	0.0	292.1
2028	0.0	298.0
2029	0.0	0.0
2030	0.0	0.0
2031	0.0	0.0
2032	0.0	0.0
2033	0.0	0.0
2034	0.0	0.0
2035	0.0	0.0
2036	0.0	0.0
2037	0.0	0.0
2038	0.0	0.0
2039	0.0	0.0
2040	0.0	0.0

Name:	LFIT - Biomass	
Contract Type	Feed in Tarriff - Biomass	
Start Date:		
End Date:		
Year	Capacity	Energy Cost
	MW	*nominal$/ MWh*
2021	14.4	126.7
2022	14.4	129.3
2023	14.4	131.8
2024	14.4	134.5
2025	14.4	137.2
2026	14.4	139.9
2027	14.4	142.7
2028	14.4	145.6
2029		
2030		
2031		
2032		
2033		
2034		
2035		
2036		
2037		
2038		
2039		
2040		

Name:	LFIT - Solar FIT 2.0 Allocation I	
Contract Type	Feed in Tarriff - Solar	
Start Date:		
End Date:		
Year	Capacity	Energy Cost
	MW	***nominal$/ MWh***
2021	4.0	150.0
2022	4.0	150.0
2023	4.0	150.0
2024	4.0	150.0
2025	4.0	150.0
2026	4.0	150.0
2027	4.0	150.0
2028	4.0	150.0
2029	4.0	150.0
2030	4.0	150.0
2031	4.0	150.0
2032	4.0	
2033	4.0	
2034	4.0	
2035	4.0	
2036	4.0	
2037	4.0	
2038	4.0	
2039	4.0	
2040	4.0	

Name:	SFIT - Solar FIT 2.0 Allocation I	
Contract Typ	Feed in Tarriff - Solar	
Start Date:		
End Date:		
Year	Capacity	Energy Cost
	MW	***nominal$/ MWh***
2021	0.1	170.0
2022	0.1	170.0
2023	0.1	170.0
2024	0.1	170.0
2025	0.1	170.0
2026	0.1	170.0
2027	0.1	170.0
2028	0.1	170.0
2029	0.1	170.0
2030	0.1	170.0
2031	0.1	170.0
2032	0.1	
2033	0.1	
2034	0.1	
2035	0.1	
2036	0.1	
2037	0.1	
2038	0.1	
2039	0.1	
2040	0.1	

Name:	LFIT - Wind FIT 2.0 Allocation I	
Contract Typ	Feed in Tarriff - Wind	
Start Date:		
End Date:		
Year	Capacity	Energy Cost
	MW	***nominal$/ MWh***
2021	0.0	150.0
2022	0.0	150.0
2023	0.0	150.0
2024	0.0	150.0
2025	0.0	150.0
2026	0.0	150.0
2027	0.0	150.0
2028	0.0	150.0
2029	0.0	150.0
2030	0.0	150.0
2031	0.0	150.0
2032	0.0	0.0
2033	0.0	0.0
2034	0.0	0.0
2035	0.0	0.0
2036	0.0	0.0
2037	0.0	0.0
2038	0.0	0.0
2039	0.0	0.0
2040	0.0	0.0

Name:	SFIT - Wind FIT 2.0 Allocation I	
Contract Typ	Feed in Tarriff - Wind	
Start Date:		
End Date:		
Year	Capacity	Energy Cost
	MW	***nominal$/ MWh***
2021	0.0	250.0
2022	0.0	250.0
2023	0.0	250.0
2024	0.0	250.0
2025	0.0	250.0
2026	0.0	250.0
2027	0.0	250.0
2028	0.0	250.0
2029	0.0	250.0
2030	0.0	250.0
2031	0.0	250.0
2032	0.0	0.0
2033	0.0	0.0
2034	0.0	0.0
2035	0.0	0.0
2036	0.0	0.0
2037	0.0	0.0
2038	0.0	0.0
2039	0.0	0.0
2040	0.0	0.0

Name:	LFIT - Biomass FIT 2.0 Allocation I	
Contract Type	Feed in Tarriff - Biomass	
Start Date:		
End Date:		
Year	Capacity	Energy Cost
	MW	***nominal$/ MWh***
2021	0.0	91.8
2022	0.0	91.8
2023	0.0	91.8
2024	0.0	91.8
2025	0.0	91.8
2026	0.0	91.8
2027	0.0	91.8
2028	0.0	91.8
2029	0.0	91.8
2030	0.0	91.8
2031	0.0	91.8
2032	0.0	0.0
2033	0.0	0.0
2034	0.0	0.0
2035	0.0	0.0
2036	0.0	0.0
2037	0.0	0.0
2038	0.0	0.0
2039	0.0	0.0
2040	0.0	0.0

Name:	LFIT - Solar FIT 2.0 Allocation II	
Contract Type	Feed in Tarriff - Solar	
Start Date:		
End Date:		
Year	Capacity	Energy Cost
	MW	***nominal$/ MWh***
2021	2.2	138.0
2022	4.0	138.0
2023	4.0	138.0
2024	4.0	138.0
2025	4.0	138.0
2026	4.0	138.0
2027	4.0	138.0
2028	4.0	138.0
2029	4.0	138.0
2030	4.0	138.0
2031	4.0	138.0
2032	4.0	138.0
2033	4.0	138.0
2034	4.0	138.0
2035	4.0	138.0
2036	4.0	138.0
2037	4.0	
2038	4.0	
2039	4.0	
2040	4.0	

Name:	SFIT - Solar FIT 2.0 Allocation II	
Contract Typ	Feed in Tarriff - Solar	
Start Date:		
End Date:		
Year	Capacity	Energy Cost
	MW	***nominal$/ MWh***
2021	0.3	156.4
2022	0.4	156.4
2023	0.5	156.4
2024	0.5	156.4
2025	0.5	156.4
2026	0.5	156.4
2027	0.5	156.4
2028	0.5	156.4
2029	0.5	156.4
2030	0.5	156.4
2031	0.5	156.4
2032	0.5	156.4
2033	0.5	156.4
2034	0.5	156.4
2035	0.5	156.4
2036	0.5	156.4
2037	0.5	
2038	0.5	
2039	0.5	
2040	0.5	

Name:	LFIT - Wind FIT 2.0 Allocation II	
Contract Typ	Feed in Tarriff - Wind	
Start Date:		
End Date:		
Year	Capacity	Energy Cost
	MW	***nominal$/ MWh***
2021	0.0	138.0
2022	1.0	138.0
2023	1.0	138.0
2024	1.0	138.0
2025	1.0	138.0
2026	1.0	138.0
2027	1.0	138.0
2028	1.0	138.0
2029	1.0	138.0
2030	1.0	138.0
2031	1.0	138.0
2032	1.0	138.0
2033	1.0	138.0
2034	1.0	138.0
2035	1.0	138.0
2036	1.0	138.0
2037	1.0	
2038	1.0	
2039	1.0	
2040	1.0	

Name:	SFIT - Wind FIT 2.0 Allocation II	
Contract Typ	Feed in Tarriff - Wind	
Start Date:		
End Date:		
Year	Capacity	Energy Cost
	MW	***nominal$/ MWh***
2021	0.0	230.0
2022	0.0	230.0
2023	0.0	230.0
2024	0.0	230.0
2025	0.0	230.0
2026	0.0	230.0
2027	0.0	230.0
2028	0.0	230.0
2029	0.0	230.0
2030	0.0	230.0
2031	0.0	230.0
2032	0.0	230.0
2033	0.0	230.0
2034	0.0	230.0
2035	0.0	
2036	0.0	
2037	0.0	
2038	0.0	
2039	0.0	
2040	0.0	

Name:	LFIT - Biomass FIT 2.0 Allocation II	
Contract Type	Feed in Tarriff - Biomass	
Start Date:		
End Date:		
Year	Capacity	Energy Cost
	MW	***nominal$/ MWh***
2021	0.0	91.8
2022	0.0	91.8
2023	0.0	91.8
2024	0.0	91.8
2025	0.0	91.8
2026	0.0	91.8
2027	0.0	91.8
2028	0.0	91.8
2029	0.0	91.8
2030	0.0	91.8
2031	0.0	91.8
2032	0.0	91.8
2033	0.0	91.8
2034	0.0	91.8
2035	0.0	91.8
2036	0.0	91.8
2037	0.0	
2038	0.0	
2039	0.0	
2040	0.0	

2021 IRP Existing Capacity Contracts

Name:	Short Term Capacity		
Contract Type: Capacity			
MISO Planning Year	Capacity	Capacity Cost	Capacity Cost
	MW	*nominal$/ MW-day*	*nominal $000s/MW-mo*
2020/21	100.00	[redacted]	
2021/22	750.00		
2022/23	650.00		
2023/24	200.00		

Unit Ongoing CapEx by Retirement Portfolio

Maintenance Capex (nominal $)

Michigan City 12

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
2024	[redacted]																			
2026																				
2028																				
2032																				

Schahfer 14

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
2020	[redacted]																			

Schahfer 15

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
2021	[redacted]																			

Schahfer 17

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
2023	[redacted]																			

Schahfer 18

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
2023	[redacted]																			

Schahfer 16A&B

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
2025	[redacted]																			
2028																				

Sugar Creek

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
2032	[redacted]																			
Retain																				

Norway

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Retain	[redacted]																			

Oakdale

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Retain	[redacted]																			

Transmission Upgrade Capital associated with Schahfer Coal / Schahfer 16AB / Michigan City Unit Retirements (nominal $ at the time of retirement)

Unit	Planning Level (Class 5) Estimate
Michigan City	**$5.9-6.9M**
	$76M
Schahfer 14/15	
All Schahfer	
Schahfer 16A	
Schahfer 16B	$6.7M

Unit Fixed and Environmental O&M by Retirement Portfolio

Fixed O&M (nominal $)

Michigan City 12

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
2024	[redacted]																			
2026	[redacted]																			
2028	[redacted]																			
2032	[redacted]																			

Schahfer 14

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
2020	[redacted]																			

Schahfer 15

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
2021	[redacted]																			

Schahfer 17

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
2023	[redacted]																			

Schahfer 18

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
2023	[redacted]																			

Schahfer 16A&B

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
2025	[redacted]																			
2028	[redacted]																			

Sugar Creek

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
2032	[redacted]																			
Retain	[redacted]																			

Norway

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Retain	[redacted]																			

Oakdale

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Retain	[redacted]																			

NBV of Existing Assets

Net Book Value EOY (nominal $)

Net Book	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Schahfer 14	373,129,126	342,502,530	311,875,934	281,249,338	250,622,742	219,996,146	189,369,549	158,742,953	128,116,357	97,489,761
Schahfer 15	354,142,985	324,749,257	295,355,529	265,961,802	236,568,074	207,174,346	177,780,619	148,386,891	118,993,164	89,599,436
Schahfer 17	94,832,363	70,573,128	46,313,893	22,054,657	(2,204,578)	(26,463,814)	(50,723,049)	(74,982,285)	(99,241,520)	(123,500,756)
Schahfer 18	107,923,625	84,585,804	61,247,984	37,910,163	14,572,343	(8,765,478)	(32,103,298)	(55,441,118)	(78,778,939)	(102,116,759)
Schahfer 16AB	7,652,330	(8,430,318)	(24,512,967)	(40,595,615)	(56,678,264)	(72,760,912)	(88,843,561)	(104,926,209)	(121,008,858)	(137,091,506)
Michigan City 12	502,189,378	469,100,291	436,011,204	402,922,117	369,833,029	336,743,942	303,654,855	270,565,768	237,476,681	204,387,594
Sugar Creek	236,566,696	220,484,048	204,401,399	188,318,751	172,236,102	156,153,454	140,070,805	123,988,157	107,905,508	91,822,860
Norway + Oakdale	50,196,612	47,493,230	44,789,847	42,086,464	39,383,081	36,679,699	33,976,316	31,272,933	28,569,551	25,866,168
Bailly	33,807,219	30,185,331	26,563,443	22,941,555	19,319,667	15,697,779	12,075,891	8,454,002	4,832,114	1,210,226

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
66,863,165	36,236,569	5,609,973	5,609,973	5,609,973	5,609,973	5,609,973	5,609,973	5,609,973	5,609,973
60,205,708	30,811,981	1,418,253	1,418,253	1,418,253	1,418,253	1,418,253	1,418,253	1,418,253	1,418,253
(147,759,991)	(172,019,226)	(196,278,462)	(196,278,462)	(196,278,462)	(196,278,462)	(196,278,462)	(196,278,462)	(196,278,462)	(196,278,462)
(125,454,580)	(148,792,400)	(172,130,221)	(172,130,221)	(172,130,221)	(172,130,221)	(172,130,221)	(172,130,221)	(172,130,221)	(172,130,221)
(153,174,155)	(169,256,803)	(185,339,452)	(185,339,452)	(185,339,452)	(185,339,452)	(185,339,452)	(185,339,452)	(185,339,452)	(185,339,452)
171,298,506	138,209,419	105,120,332	105,120,332	105,120,332	105,120,332	105,120,332	105,120,332	105,120,332	105,120,332
75,740,211	59,657,563	43,574,914	43,574,914	43,574,914	43,574,914	43,574,914	43,574,914	43,574,914	43,574,914
23,162,785	20,459,402	17,756,020	15,052,637	12,349,254	9,645,872	6,942,489	4,239,106	1,535,723	-
(2,411,662)	(6,033,550)	(9,655,438)	(9,655,438)	(9,655,438)	(9,655,438)	(9,655,438)	(9,655,438)	(9,655,438)	(9,655,438)

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
5,609,973	5,609,973	5,609,973	5,609,973	5,609,973	5,609,973	5,609,973	5,609,973	5,609,973	5,609,973
1,418,253	1,418,253	1,418,253	1,418,253	1,418,253	1,418,253	1,418,253	1,418,253	1,418,253	1,418,253
(196,278,462)	(196,278,462)	(196,278,462)	(196,278,462)	(196,278,462)	(196,278,462)	(196,278,462)	(196,278,462)	(196,278,462)	(196,278,462)
(172,130,221)	(172,130,221)	(172,130,221)	(172,130,221)	(172,130,221)	(172,130,221)	(172,130,221)	(172,130,221)	(172,130,221)	(172,130,221)
(185,339,452)	(185,339,452)	(185,339,452)	(185,339,452)	(185,339,452)	(185,339,452)	(185,339,452)	(185,339,452)	(185,339,452)	(185,339,452)
105,120,332	105,120,332	105,120,332	105,120,332	105,120,332	105,120,332	105,120,332	105,120,332	105,120,332	105,120,332
43,574,914	43,574,914	43,574,914	43,574,914	43,574,914	43,574,914	43,574,914	43,574,914	43,574,914	43,574,914
-	-	-	-	-	-	-	-	-	-
(9,655,438)	(9,655,438)	(9,655,438)	(9,655,438)	(9,655,438)	(9,655,438)	(9,655,438)	(9,655,438)	(9,655,438)	(9,655,438)

2019 RFP BTA Fixed O&M
$ in nominal

INCR I Wind

	INCR O&M
2020	[redacted]
2021	[redacted]
2022	[redacted]
2023	[redacted]
2024	[redacted]
2025	[redacted]
2026	[redacted]
2027	[redacted]
2028	[redacted]
2029	[redacted]
2030	[redacted]
2031	[redacted]
2032	[redacted]
2033	[redacted]
2034	[redacted]
2035	[redacted]
2036	[redacted]
2037	[redacted]
2038	[redacted]
2039	[redacted]
2040	[redacted]
2041	[redacted]
2042	[redacted]
2043	[redacted]
2044	[redacted]
2045	[redacted]
2046	[redacted]
2047	[redacted]
2048	[redacted]
2049	[redacted]
2050	[redacted]
2051	[redacted]
2052	[redacted]
2053	[redacted]

Rosewater

	Rosewater O&M
2020	[redacted]
2021	[redacted]
2022	[redacted]
2023	[redacted]
2024	[redacted]
2025	[redacted]
2026	[redacted]
2027	[redacted]
2028	[redacted]
2029	[redacted]
2030	[redacted]
2031	[redacted]
2032	[redacted]
2033	[redacted]
2034	[redacted]
2035	[redacted]
2036	[redacted]
2037	[redacted]
2038	[redacted]
2039	[redacted]
2040	[redacted]
2041	[redacted]
2042	[redacted]
2043	[redacted]
2044	[redacted]
2045	[redacted]
2046	[redacted]
2047	[redacted]
2048	[redacted]
2049	[redacted]
2050	[redacted]
2051	[redacted]
2052	[redacted]
2053	[redacted]

Fairbanks

	Fairbanks O&M
2020	[redacted]
2021	[redacted]
2022	[redacted]
2023	[redacted]
2024	[redacted]
2025	[redacted]
2026	[redacted]
2027	[redacted]
2028	[redacted]
2029	[redacted]
2030	[redacted]
2031	[redacted]
2032	[redacted]
2033	[redacted]
2034	[redacted]
2035	[redacted]
2036	[redacted]
2037	[redacted]
2038	[redacted]
2039	[redacted]
2040	[redacted]
2041	[redacted]
2042	[redacted]
2043	[redacted]
2044	[redacted]
2045	[redacted]
2046	[redacted]
2047	[redacted]
2048	[redacted]
2049	[redacted]
2050	[redacted]
2051	[redacted]
2052	[redacted]
2053	[redacted]

Cavalry

	Cavalry O&M	Storage Augmentation / Replacement Capital
2020	[redacted]	[redacted]
2021	[redacted]	[redacted]
2022	[redacted]	[redacted]
2023	[redacted]	[redacted]
2024	[redacted]	[redacted]
2025	[redacted]	[redacted]
2026	[redacted]	[redacted]
2027	[redacted]	[redacted]
2028	[redacted]	[redacted]
2029	[redacted]	[redacted]
2030	[redacted]	[redacted]
2031	[redacted]	[redacted]
2032	[redacted]	[redacted]
2033	[redacted]	[redacted]
2034	[redacted]	[redacted]
2035	[redacted]	[redacted]
2036	[redacted]	[redacted]
2037	[redacted]	[redacted]
2038	[redacted]	[redacted]
2039	[redacted]	[redacted]
2040	[redacted]	[redacted]
2041	[redacted]	[redacted]
2042	[redacted]	[redacted]
2043	[redacted]	[redacted]
2044	[redacted]	[redacted]
2045	[redacted]	[redacted]
2046	[redacted]	[redacted]
2047	[redacted]	[redacted]
2048	[redacted]	[redacted]
2049	[redacted]	[redacted]
2050	[redacted]	[redacted]
2051	[redacted]	[redacted]
2052	[redacted]	[redacted]
2053	[redacted]	[redacted]

Dunn's Bridge 1

	Dunn's Bridge 1 O&M
2020	[redacted]
2021	[redacted]
2022	[redacted]
2023	[redacted]
2024	[redacted]
2025	[redacted]
2026	[redacted]
2027	[redacted]
2028	[redacted]
2029	[redacted]
2030	[redacted]
2031	[redacted]
2032	[redacted]
2033	[redacted]
2034	[redacted]
2035	[redacted]
2036	[redacted]
2037	[redacted]
2038	[redacted]
2039	[redacted]
2040	[redacted]
2041	[redacted]
2042	[redacted]
2043	[redacted]
2044	[redacted]
2045	[redacted]
2046	[redacted]
2047	[redacted]
2048	[redacted]
2049	[redacted]
2050	[redacted]
2051	[redacted]
2052	[redacted]
2053	[redacted]

Dunn's Bridge 2

	Dunn's Bridge 2 O&M	Storage Augmentation / Replacement Capital
2020	[redacted]	[redacted]
2021	[redacted]	[redacted]
2022	[redacted]	[redacted]
2023	[redacted]	[redacted]
2024	[redacted]	[redacted]
2025	[redacted]	[redacted]
2026	[redacted]	[redacted]
2027	[redacted]	[redacted]
2028	[redacted]	[redacted]
2029	[redacted]	[redacted]
2030	[redacted]	[redacted]
2031	[redacted]	[redacted]
2032	[redacted]	[redacted]
2033	[redacted]	[redacted]
2034	[redacted]	[redacted]
2035	[redacted]	[redacted]
2036	[redacted]	[redacted]
2037	[redacted]	[redacted]
2038	[redacted]	[redacted]
2039	[redacted]	[redacted]
2040	[redacted]	[redacted]
2041	[redacted]	[redacted]
2042	[redacted]	[redacted]
2043	[redacted]	[redacted]
2044	[redacted]	[redacted]
2045	[redacted]	[redacted]
2046	[redacted]	[redacted]
2047	[redacted]	[redacted]
2048	[redacted]	[redacted]
2049	[redacted]	[redacted]
2050	[redacted]	[redacted]
2051	[redacted]	[redacted]
2052	[redacted]	[redacted]
2053	[redacted]	[redacted]

INCR Solar

	INCR Solar O&M
2020	[redacted]
2021	[redacted]
2022	[redacted]
2023	[redacted]
2024	[redacted]
2025	[redacted]
2026	[redacted]
2027	[redacted]
2028	[redacted]
2029	[redacted]
2030	[redacted]
2031	[redacted]
2032	[redacted]
2033	[redacted]
2034	[redacted]
2035	[redacted]
2036	[redacted]
2037	[redacted]
2038	[redacted]
2039	[redacted]
2040	[redacted]
2041	[redacted]
2042	[redacted]
2043	[redacted]
2044	[redacted]
2045	[redacted]
2046	[redacted]
2047	[redacted]
2048	[redacted]
2049	[redacted]
2050	[redacted]
2051	[redacted]
2052	[redacted]
2053	[redacted]

Elliot

	Elliot O&M
2020	[redacted]
2021	[redacted]
2022	[redacted]
2023	[redacted]
2024	[redacted]
2025	[redacted]
2026	[redacted]
2027	[redacted]
2028	[redacted]
2029	[redacted]
2030	[redacted]
2031	[redacted]
2032	[redacted]
2033	[redacted]
2034	[redacted]
2035	[redacted]
2036	[redacted]
2037	[redacted]
2038	[redacted]
2039	[redacted]
2040	[redacted]
2041	[redacted]
2042	[redacted]
2043	[redacted]
2044	[redacted]
2045	[redacted]
2046	[redacted]
2047	[redacted]
2048	[redacted]
2049	[redacted]
2050	[redacted]
2051	[redacted]
2052	[redacted]
2053	[redacted]

2019 RFP BTA Capex & Cash Distribution to TE Partner
$ in nominal

	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Fairbanks	[redacted]										
NIPSCO CapEx											
NIPSCO Cash Dist.											
Cavalry											
NIPSCO CapEx											
NIPSCO Cash Dist.											
Dunns Bridge 1											
NIPSCO CapEx											
NIPSCO Cash Dist.											
Dunns Bridge 2											
NIPSCO CapEx											
NIPSCO Cash Dist.											
INCR Solar											
NIPSCO CapEx											
NIPSCO Cash Dist.											
Elliot											
NIPSCO CapEx											
NIPSCO Cash Dist.											
INCR Wind											
NIPSCO CapEx											
NIPSCO Cash Dist.											
Rosewater Wind											
NIPSCO CapEx											
NIPSCO Cash Dist.											

Congestion Costs

nominal $/MWh

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Fairbanks	3.41	3.48	3.55	3.63	3.70	4.27	4.83	5.39	5.96	6.52
Cavalry	1.94	1.98	2.02	2.06	2.11	2.53	2.95	3.37	3.80	4.22
Dunns Bridge 1	0.86	0.88	0.90	0.91	0.93	1.04	1.15	1.26	1.37	1.48
Dunns Bridge 2	0.39	0.40	0.40	0.41	0.42	0.50	0.59	0.67	0.75	0.83
INCR Solar	1.76	1.79	1.83	1.87	1.91	2.20	2.49	2.77	3.06	3.35
Elliot	2.50	2.55	2.61	2.66	2.72	3.41	4.09	4.78	5.47	6.16
Gibson	3.46	3.53	3.61	3.68	3.76	4.47	5.17	5.88	6.58	7.29
Greensboro	1.06	1.09	1.11	1.13	1.16	1.39	1.62	1.85	2.08	2.31
Meade	3.50	3.57	3.65	3.72	3.80	4.66	5.52	6.38	7.25	8.11
Brickyard	3.18	3.25	3.32	3.39	3.46	3.85	4.24	4.62	5.01	5.40
INCR II Wind	1.19	1.22	1.24	1.27	1.29	1.76	2.23	2.71	3.18	3.65

2030	2031	2032	2033	2034	2035	2036	2037	2038	2039
6.47	6.41	6.36	6.30	6.25	6.38	6.51	6.65	6.79	6.93
4.16	4.10	4.04	3.98	3.93	4.01	4.09	4.18	4.27	4.36
1.50	1.53	1.55	1.57	1.59	1.63	1.66	1.69	1.73	1.77
0.86	0.89	0.92	0.95	0.98	1.00	1.02	1.04	1.06	1.09
3.54	3.73	3.93	4.12	4.31	4.40	4.50	4.59	4.69	4.78
5.77	5.37	4.98	4.59	4.20	4.29	4.38	4.47	4.56	4.66
7.14	7.00	6.85	6.70	6.55	6.69	6.83	6.97	7.12	7.27
1.77	1.23	0.68	0.14	-0.40	-0.41	-0.42	-0.43	-0.44	-0.45
7.78	7.46	7.14	6.81	6.49	6.63	6.77	6.91	7.05	7.20
5.33	5.26	5.20	5.13	5.06	5.17	5.27	5.39	5.50	5.61
3.79	3.94	4.08	4.23	4.37	4.46	4.56	4.65	4.75	4.85

2040	2041	2042	2043	2044	2045	2046	2047	2048	2049
7.08	7.23	7.38	7.53	7.69	7.85	8.02	8.19	8.36	8.53
4.45	4.54	4.64	4.73	4.83	4.94	5.04	5.15	5.25	5.36
1.80	1.84	1.88	1.92	1.96	2.00	2.04	2.09	2.13	2.17
1.11	1.13	1.16	1.18	1.21	1.23	1.26	1.28	1.31	1.34
4.89	4.99	5.09	5.20	5.31	5.42	5.53	5.65	5.77	5.89
4.76	4.86	4.96	5.06	5.17	5.28	5.39	5.50	5.62	5.74
7.42	7.58	7.74	7.90	8.07	8.23	8.41	8.58	8.76	8.95
-0.46	-0.47	-0.48	-0.49	-0.50	-0.51	-0.52	-0.53	-0.54	-0.55
7.35	7.51	7.66	7.82	7.99	8.16	8.33	8.50	8.68	8.86
5.73	5.85	5.98	6.10	6.23	6.36	6.49	6.63	6.77	6.91
4.95	5.06	5.16	5.27	5.38	5.50	5.61	5.73	5.85	5.97

2050	2051	2052	2053	2054	2055	2056	2057
8.71	8.90	9.08	9.27	9.47	9.67	9.87	10.08
5.48	5.59	5.71	5.83	5.95	6.08	6.20	6.33
2.22	2.27	2.31	2.36	2.41	2.46	2.51	2.57
1.37	1.39	1.42	1.45	1.48	1.52	1.55	1.58
6.01	6.14	6.27	6.40	6.54	6.67	6.81	6.96
5.86	5.98	6.11	6.23	6.36	6.50	6.63	6.77
9.14	9.33	9.52	9.72	9.93	10.14	10.35	10.57
-0.56	-0.58	-0.59	-0.60	-0.61	-0.63	-0.64	-0.65
9.05	9.24	9.43	9.63	9.83	10.04	10.25	10.47
7.06	7.20	7.36	7.51	7.67	7.83	7.99	8.16
6.10	6.23	6.36	6.49	6.63	6.76	6.91	7.05

NIPSCO Native Peak Load Forecast - Monthly

Note: Values are gross (i.e. do not include impact of line losses or future DERs, EV, or DSM)

		NIPSCO System	NIPSCO System	NIPSCO System	NIPSCO System
		Base Case	*SQE Case*	*AER Case*	*EWDE Case*
Year	Month	Monthly Peak Hour (MW)	Monthly Peak Hour (MW)	Monthly Peak Hour (MW)	Monthly Peak Hour (MW)
2021	1	1,597.2	1,581.8	1,597.2	1,642.4
2021	2	1,621.7	1,605.7	1,621.7	1,660.0
2021	3	1,590.5	1,590.3	1,590.5	1,620.7
2021	4	1,572.4	1,572.2	1,572.4	1,597.3
2021	5	1,658.7	1,658.5	1,658.7	1,683.6
2021	6	1,979.7	1,973.5	1,979.7	2,007.6
2021	7	2,339.9	2,332.1	2,339.9	2,365.2
2021	8	2,345.9	2,338.0	2,345.9	2,366.6
2021	9	2,160.5	2,144.8	2,160.5	2,185.0
2021	10	1,631.7	1,620.9	1,631.7	1,654.9
2021	11	1,516.0	1,506.5	1,516.0	1,545.8
2021	12	1,500.3	1,485.8	1,500.3	1,535.3
2022	1	1,582.5	1,561.2	1,582.5	1,679.8
2022	2	1,610.6	1,588.4	1,610.6	1,694.0
2022	3	1,579.1	1,559.4	1,579.1	1,651.4
2022	4	1,583.1	1,562.4	1,583.1	1,644.9
2022	5	1,657.1	1,635.9	1,657.1	1,719.5
2022	6	1,957.0	1,927.2	1,957.0	2,026.0
2022	7	2,293.5	2,257.4	2,293.5	2,360.2
2022	8	2,321.0	2,284.0	2,321.0	2,378.6
2022	9	2,180.6	2,145.6	2,180.6	2,241.7
2022	10	1,642.3	1,617.9	1,642.3	1,697.3
2022	11	1,521.0	1,499.8	1,521.0	1,588.4
2022	12	1,503.5	1,483.3	1,503.5	1,580.0
2023	1	1,584.4	1,458.1	1,584.4	1,726.7
2023	2	1,613.6	1,489.5	1,613.6	1,735.1
2023	3	1,590.8	1,461.4	1,590.8	1,696.3
2023	4	1,599.6	1,468.6	1,599.6	1,689.4
2023	5	1,669.4	1,539.3	1,669.4	1,759.9
2023	6	1,951.1	1,813.6	1,951.1	2,049.9
2023	7	2,272.8	2,129.1	2,272.8	2,367.0
2023	8	2,315.8	2,174.1	2,315.8	2,396.6
2023	9	2,195.1	2,056.7	2,195.1	2,281.4
2023	10	1,658.1	1,528.8	1,658.1	1,736.9
2023	11	1,530.9	1,403.8	1,530.9	1,628.7
2023	12	1,509.4	1,384.3	1,509.4	1,620.9
2024	1	1,587.9	1,466.3	1,587.9	1,771.4
2024	2	1,622.2	1,502.7	1,622.2	1,777.8
2024	3	1,603.0	1,478.7	1,603.0	1,737.2
2024	4	1,615.6	1,489.7	1,615.6	1,729.0
2024	5	1,680.3	1,555.7	1,680.3	1,794.1
2024	6	1,951.7	1,821.1	1,951.7	2,075.2
2024	7	2,265.1	2,129.7	2,265.1	2,380.7
2024	8	2,315.3	2,182.1	2,315.3	2,412.9
2024	9	2,207.3	2,076.5	2,207.3	2,313.5
2024	10	1,671.1	1,547.3	1,671.1	1,770.0
2024	11	1,541.3	1,419.0	1,541.3	1,666.0
2024	12	1,515.8	1,395.0	1,515.8	1,658.7
2025	1	1,592.7	1,471.3	1,592.7	1,817.2
2025	2	1,625.9	1,507.0	1,625.9	1,815.7
2025	3	1,612.8	1,489.1	1,612.8	1,776.0
2025	4	1,626.6	1,501.6	1,626.6	1,763.8
2025	5	1,687.8	1,563.9	1,687.8	1,825.2
2025	6	1,951.4	1,821.9	1,951.4	2,099.8
2025	7	2,258.7	2,124.8	2,258.7	2,395.9
2025	8	2,313.3	2,181.6	2,313.3	2,427.9

2025	9	2,215.2	2,085.7	2,215.2	2,341.1
2025	10	1,681.2	1,557.9	1,681.2	1,799.9
2025	11	1,550.0	1,428.0	1,550.0	1,701.4
2025	12	1,522.5	1,402.0	1,522.5	1,696.6
2026	1	1,598.3	1,476.8	1,598.3	1,863.8
2026	2	1,632.8	1,513.8	1,632.8	1,856.4
2026	3	1,621.6	1,498.9	1,621.6	1,814.0
2026	4	1,635.7	1,512.0	1,635.7	1,796.9
2026	5	1,694.1	1,571.4	1,694.1	1,855.2
2026	6	1,952.5	1,824.8	1,952.5	2,125.7
2026	7	2,255.8	2,124.2	2,255.8	2,414.5
2026	8	2,313.1	2,183.8	2,313.1	2,444.5
2026	9	2,221.7	2,093.7	2,221.7	2,366.9
2026	10	1,689.4	1,566.9	1,689.4	1,827.7
2026	11	1,557.7	1,436.3	1,557.7	1,735.8
2026	12	1,529.2	1,408.6	1,529.2	1,734.5
2027	1	1,604.9	1,482.7	1,604.9	1,911.5
2027	2	1,640.1	1,520.3	1,640.1	1,897.8
2027	3	1,629.4	1,507.1	1,629.4	1,850.2
2027	4	1,643.4	1,520.1	1,643.4	1,827.7
2027	5	1,699.5	1,577.2	1,699.5	1,883.5
2027	6	1,954.4	1,826.7	1,954.4	2,152.1
2027	7	2,255.0	2,123.5	2,255.0	2,434.8
2027	8	2,314.0	2,185.0	2,314.0	2,462.1
2027	9	2,228.0	2,099.2	2,228.0	2,392.6
2027	10	1,696.7	1,573.6	1,696.7	1,854.7
2027	11	1,564.9	1,442.9	1,564.9	1,769.7
2027	12	1,536.2	1,414.9	1,536.2	1,772.8
2028	1	1,611.7	1,488.9	1,611.7	1,958.4
2028	2	1,650.1	1,529.4	1,650.1	1,940.8
2028	3	1,637.0	1,513.9	1,637.0	1,885.7
2028	4	1,650.5	1,526.5	1,650.5	1,857.5
2028	5	1,704.7	1,581.7	1,704.7	1,911.2
2028	6	1,957.2	1,828.9	1,957.2	2,178.4
2028	7	2,256.1	2,123.9	2,256.1	2,455.8
2028	8	2,316.5	2,186.7	2,316.5	2,479.6
2028	9	2,233.9	2,104.4	2,233.9	2,416.2
2028	10	1,703.2	1,579.5	1,703.2	1,879.7
2028	11	1,571.6	1,448.9	1,571.6	1,802.1
2028	12	1,543.0	1,421.0	1,543.0	1,809.8
2029	1	1,618.6	1,495.0	1,618.6	2,005.4
2029	2	1,654.4	1,533.2	1,654.4	1,978.2
2029	3	1,643.9	1,520.1	1,643.9	1,920.5
2029	4	1,656.8	1,532.2	1,656.8	1,886.3
2029	5	1,709.5	1,585.8	1,709.5	1,938.2
2029	6	1,960.2	1,831.1	1,960.2	2,204.9
2029	7	2,258.0	2,124.9	2,258.0	2,477.6
2029	8	2,319.4	2,188.6	2,319.4	2,497.7
2029	9	2,239.5	2,109.0	2,239.5	2,439.8
2029	10	1,709.1	1,584.6	1,709.1	1,904.3
2029	11	1,577.7	1,454.4	1,577.7	1,834.0
2029	12	1,549.5	1,426.8	1,549.5	1,846.7
2030	1	1,625.2	1,501.0	1,625.2	2,051.8
2030	2	1,661.1	1,539.2	1,661.1	2,017.7
2030	3	1,650.4	1,525.9	1,650.4	1,954.7
2030	4	1,662.5	1,537.4	1,662.5	1,914.6
2030	5	1,714.0	1,589.6	1,714.0	1,964.9
2030	6	1,963.3	1,833.4	1,963.3	2,231.4
2030	7	2,260.4	2,126.4	2,260.4	2,499.7
2030	8	2,322.4	2,190.7	2,322.4	2,515.8
2030	9	2,244.4	2,113.0	2,244.4	2,462.5
2030	10	1,714.3	1,589.1	1,714.3	1,927.9
2030	11	1,583.3	1,459.3	1,583.3	1,865.2

2030	12	1,555.6	1,432.3	1,555.6	1,882.8
2031	1	1,631.4	1,506.4	1,631.4	2,098.0
2031	2	1,667.2	1,544.6	1,667.2	2,056.8
2031	3	1,656.1	1,531.1	1,656.1	1,988.1
2031	4	1,667.5	1,541.7	1,667.5	1,942.0
2031	5	1,717.8	1,592.8	1,717.8	1,990.9
2031	6	1,966.1	1,835.5	1,966.1	2,257.5
2031	7	2,262.6	2,127.8	2,262.6	2,521.9
2031	8	2,325.2	2,192.7	2,325.2	2,533.7
2031	9	2,248.7	2,116.4	2,248.7	2,484.7
2031	10	1,718.8	1,592.9	1,718.8	1,951.0
2031	11	1,588.3	1,463.6	1,588.3	1,895.8
2031	12	1,561.1	1,437.1	1,561.1	1,918.5
2032	1	1,637.1	1,511.7	1,637.1	2,143.2
2032	2	1,675.6	1,552.3	1,675.6	2,097.6
2032	3	1,661.3	1,535.4	1,661.3	2,020.5
2032	4	1,671.8	1,545.2	1,671.8	1,968.3
2032	5	1,721.1	1,595.3	1,721.1	2,016.0
2032	6	1,968.5	1,837.5	1,968.5	2,282.7
2032	7	2,264.6	2,129.4	2,264.6	2,542.9
2032	8	2,327.6	2,194.7	2,327.6	2,550.5
2032	9	2,252.5	2,119.8	2,252.5	2,505.4
2032	10	1,722.7	1,596.5	1,722.7	1,972.9
2032	11	1,592.7	1,467.6	1,592.7	1,925.4
2032	12	1,566.1	1,441.7	1,566.1	1,953.3
2033	1	1,642.1	1,515.8	1,642.1	2,188.2
2033	2	1,677.8	1,553.7	1,677.8	2,132.7
2033	3	1,665.8	1,539.2	1,665.8	2,052.7
2033	4	1,675.5	1,548.4	1,675.5	1,994.5
2033	5	1,724.0	1,597.5	1,724.0	2,041.0
2033	6	1,970.4	1,838.3	1,970.4	2,308.2
2033	7	2,266.1	2,129.6	2,266.1	2,564.5
2033	8	2,329.5	2,195.2	2,329.5	2,567.7
2033	9	2,255.4	2,121.3	2,255.4	2,526.3
2033	10	1,725.9	1,598.7	1,725.9	1,994.7
2033	11	1,596.5	1,470.4	1,596.5	1,954.8
2033	12	1,570.5	1,445.2	1,570.5	1,987.8
2034	1	1,646.3	1,519.0	1,646.3	2,232.5
2034	2	1,681.9	1,556.8	1,681.9	2,169.8
2034	3	1,669.3	1,541.9	1,669.3	2,084.1
2034	4	1,678.3	1,550.2	1,678.3	2,019.9
2034	5	1,725.9	1,598.6	1,725.9	2,065.4
2034	6	1,971.6	1,838.4	1,971.6	2,333.1
2034	7	2,266.9	2,129.1	2,266.9	2,585.5
2034	8	2,330.4	2,194.9	2,330.4	2,584.2
2034	9	2,257.3	2,122.0	2,257.3	2,546.4
2034	10	1,728.3	1,600.1	1,728.3	2,015.8
2034	11	1,599.4	1,472.5	1,599.4	1,983.5
2034	12	1,574.0	1,447.8	1,574.0	2,021.7
2035	1	1,650.3	1,521.9	1,650.3	2,276.5
2035	2	1,685.7	1,559.6	1,685.7	2,206.7
2035	3	1,672.7	1,544.1	1,672.7	2,115.3
2035	4	1,680.9	1,551.8	1,680.9	2,045.1
2035	5	1,727.8	1,599.4	1,727.8	2,089.6
2035	6	1,972.7	1,838.4	1,972.7	2,357.9
2035	7	2,267.7	2,128.5	2,267.7	2,606.5
2035	8	2,331.5	2,194.5	2,331.5	2,600.8
2035	9	2,259.2	2,122.6	2,259.2	2,566.5
2035	10	1,730.5	1,601.4	1,730.5	2,036.7
2035	11	1,602.2	1,474.3	1,602.2	2,012.0
2035	12	1,577.4	1,450.2	1,577.4	2,055.3
2036	1	1,653.8	1,524.6	1,653.8	2,320.2
2036	2	1,691.9	1,564.6	1,691.9	2,246.0

2036	3	1,675.6	1,546.2	1,675.6	2,146.1
2036	4	1,683.1	1,553.2	1,683.1	2,070.0
2036	5	1,729.4	1,600.1	1,729.4	2,113.6
2036	6	1,973.6	1,838.3	1,973.6	2,382.5
2036	7	2,268.2	2,127.9	2,268.2	2,627.4
2036	8	2,332.2	2,194.0	2,332.2	2,617.1
2036	9	2,260.6	2,122.8	2,260.6	2,586.1
2036	10	1,732.4	1,602.3	1,732.4	2,057.4
2036	11	1,604.6	1,475.9	1,604.6	2,040.2
2036	12	1,580.3	1,452.3	1,580.3	2,088.6
2037	1	1,656.6	1,526.4	1,656.6	2,363.1
2037	2	1,691.8	1,563.8	1,691.8	2,279.0
2037	3	1,677.9	1,547.6	1,677.9	2,176.2
2037	4	1,684.7	1,553.9	1,684.7	2,094.3
2037	5	1,730.4	1,600.2	1,730.4	2,137.0
2037	6	1,973.9	1,837.5	1,973.9	2,406.6
2037	7	2,268.0	2,126.6	2,268.0	2,647.6
2037	8	2,332.1	2,192.7	2,332.1	2,632.7
2037	9	2,261.2	2,122.2	2,261.2	2,605.0
2037	10	1,733.6	1,602.6	1,733.6	2,077.3
2037	11	1,606.3	1,476.7	1,606.3	2,067.8
2037	12	1,582.5	1,453.7	1,582.5	2,121.2
2038	1	1,658.6	1,527.5	1,658.6	2,405.4
2038	2	1,693.7	1,564.9	1,693.7	2,314.2
2038	3	1,679.5	1,548.4	1,679.5	2,205.9
2038	4	1,685.7	1,554.0	1,685.7	2,118.1
2038	5	1,730.8	1,599.7	1,730.8	2,160.0
2038	6	1,973.5	1,836.2	1,973.5	2,430.1
2038	7	2,267.2	2,124.5	2,267.2	2,667.3
2038	8	2,331.3	2,190.8	2,331.3	2,647.8
2038	9	2,261.0	2,120.8	2,261.0	2,623.3
2038	10	1,734.2	1,602.3	1,734.2	2,096.8
2038	11	1,607.4	1,477.1	1,607.4	2,094.9
2038	12	1,584.1	1,454.4	1,584.1	2,153.2
2039	1	1,660.3	1,528.3	1,660.3	2,447.4
2039	2	1,695.4	1,565.5	1,695.4	2,349.0
2039	3	1,680.7	1,548.7	1,680.7	2,235.1
2039	4	1,686.3	1,553.7	1,686.3	2,141.5
2039	5	1,730.9	1,598.9	1,730.9	2,182.7
2039	6	1,972.9	1,834.4	1,972.9	2,453.4
2039	7	2,266.0	2,122.1	2,266.0	2,686.6
2039	8	2,330.2	2,188.3	2,330.2	2,662.5
2039	9	2,260.6	2,119.1	2,260.6	2,641.3
2039	10	1,734.5	1,601.7	1,734.5	2,116.0
2039	11	1,608.3	1,477.1	1,608.3	2,121.6
2039	12	1,585.4	1,454.8	1,585.4	2,185.0
2040	1	1,661.8	1,528.6	1,661.8	2,488.9
2040	2	1,699.5	1,568.3	1,699.5	2,386.1
2040	3	1,681.8	1,548.6	1,681.8	2,264.0
2040	4	1,686.8	1,553.1	1,686.8	2,164.7
2040	5	1,730.9	1,597.8	1,730.9	2,205.1
2040	6	1,972.2	1,832.5	1,972.2	2,476.5
2040	7	2,264.9	2,119.4	2,264.9	2,705.7
2040	8	2,329.1	2,185.6	2,329.1	2,676.9
2040	9	2,260.0	2,117.0	2,260.0	2,658.9
2040	10	1,734.7	1,600.7	1,734.7	2,134.9
2040	11	1,609.0	1,476.7	1,609.0	2,148.1
2040	12	1,586.5	1,454.8	1,586.5	2,216.4

NIPSCO Sales Forecast - Monthly

Note: Values are gross (i.e. do not include impact of line losses or future DERs, EV, or DSM)

		NIPSCO System	NIPSCO System	NIPSCO System	NIPSCO System
		Base Case	*SQE Case*	*AER Case*	*EWDE Case*
Year	Month	Monthly Total Energy (MWh)	Monthly Total Energy (MWh)	Monthly Total Energy (MWh)	Monthly Total Energy (MWh)
2021	1	997,464	987,528	997,464	1,017,943
2021	2	926,915	917,470	926,915	943,271
2021	3	958,057	958,057	958,057	970,742
2021	4	917,360	917,360	917,360	928,259
2021	5	886,473	886,473	886,473	896,977
2021	6	1,025,217	1,022,472	1,025,217	1,037,180
2021	7	1,149,046	1,145,830	1,149,046	1,159,804
2021	8	1,146,893	1,143,638	1,146,893	1,155,537
2021	9	1,106,602	1,099,236	1,106,602	1,115,728
2021	10	969,854	963,663	969,854	980,259
2021	11	916,345	910,504	916,345	929,778
2021	12	939,881	930,558	939,881	956,315
2022	1	987,461	973,986	987,461	1,032,479
2022	2	919,413	906,587	919,413	955,783
2022	3	950,378	938,351	950,378	982,676
2022	4	924,121	912,281	924,121	952,672
2022	5	886,360	875,152	886,360	913,730
2022	6	1,015,412	1,001,136	1,015,412	1,045,782
2022	7	1,129,374	1,113,351	1,129,374	1,158,240
2022	8	1,136,700	1,120,293	1,136,700	1,161,435
2022	9	1,116,144	1,099,701	1,116,144	1,140,219
2022	10	976,082	962,226	976,082	1,001,652
2022	11	919,168	906,154	919,168	950,436
2022	12	941,815	929,115	941,815	978,441
2023	1	988,211	895,327	988,211	1,053,549
2023	2	920,842	837,829	920,842	973,379
2023	3	957,197	862,643	957,197	1,003,890
2023	4	933,601	841,500	933,601	974,742
2023	5	892,749	799,721	892,749	932,161
2023	6	1,012,877	919,615	1,012,877	1,056,191
2023	7	1,120,481	1,022,666	1,120,481	1,161,151
2023	8	1,134,453	1,038,576	1,134,453	1,168,982
2023	9	1,122,838	1,030,118	1,122,838	1,156,457
2023	10	984,799	891,370	984,799	1,021,140
2023	11	924,952	834,436	924,952	969,945
2023	12	945,235	853,029	945,235	998,176
2024	1	990,095	900,126	990,095	1,073,425
2024	2	925,085	844,694	925,085	991,656
2024	3	964,373	872,932	964,373	1,022,969
2024	4	942,608	853,567	942,608	993,922
2024	5	898,277	808,200	898,277	947,459
2024	6	1,013,317	923,534	1,013,317	1,067,097
2024	7	1,117,169	1,023,197	1,117,169	1,166,830
2024	8	1,134,225	1,042,263	1,134,225	1,175,670
2024	9	1,128,489	1,039,433	1,128,489	1,168,978
2024	10	992,061	901,756	992,061	1,036,932
2024	11	930,988	843,413	930,988	987,642
2024	12	948,948	859,488	948,948	1,016,022
2025	1	992,791	903,093	992,791	1,094,048
2025	2	927,332	847,351	927,332	1,007,874
2025	3	970,081	879,157	970,081	1,040,711
2025	4	948,924	860,408	948,924	1,010,524
2025	5	902,100	812,528	902,100	961,166
2025	6	1,013,507	924,082	1,013,507	1,077,802
2025	7	1,114,641	1,021,121	1,114,641	1,173,365
2025	8	1,133,552	1,042,080	1,133,552	1,181,969

2025	9	1,132,307	1,043,633	1,132,307	1,179,563
2025	10	997,676	907,634	997,676	1,050,995
2025	11	936,013	848,686	936,013	1,004,258
2025	12	952,893	863,669	952,893	1,034,034
2026	1	996,039	906,305	996,039	1,115,129
2026	2	931,054	851,039	931,054	1,025,454
2026	3	975,206	884,959	975,206	1,057,937
2026	4	954,185	866,339	954,185	1,026,127
2026	5	905,292	816,337	905,292	974,302
2026	6	1,014,289	925,590	1,014,289	1,089,057
2026	7	1,113,545	1,020,893	1,113,545	1,181,305
2026	8	1,133,601	1,043,049	1,133,601	1,188,946
2026	9	1,135,410	1,047,305	1,135,410	1,189,303
2026	10	1,002,226	912,617	1,002,226	1,063,863
2026	11	940,461	853,533	940,461	1,020,180
2026	12	956,864	867,592	956,864	1,051,966
2027	1	999,931	909,768	999,931	1,136,970
2027	2	935,053	854,628	935,053	1,043,435
2027	3	979,725	889,796	979,725	1,074,136
2027	4	958,539	871,015	958,539	1,040,401
2027	5	907,960	819,312	907,960	986,523
2027	6	1,015,369	926,645	1,015,369	1,100,465
2027	7	1,113,306	1,020,648	1,113,306	1,189,945
2027	8	1,134,122	1,043,570	1,134,122	1,196,231
2027	9	1,138,322	1,049,817	1,138,322	1,198,913
2027	10	1,006,244	916,258	1,006,244	1,076,256
2027	11	944,594	857,310	944,594	1,035,844
2027	12	961,023	871,335	961,023	1,070,198
2028	1	1,004,001	913,446	1,004,001	1,158,311
2028	2	940,272	859,333	940,272	1,062,017
2028	3	984,073	893,735	984,073	1,089,911
2028	4	962,566	874,643	962,566	1,054,116
2028	5	910,515	821,498	910,515	998,443
2028	6	1,016,827	927,728	1,016,827	1,111,817
2028	7	1,113,854	1,020,800	1,113,854	1,198,838
2028	8	1,135,215	1,044,258	1,135,215	1,203,527
2028	9	1,141,045	1,052,130	1,141,045	1,207,575
2028	10	1,009,807	919,457	1,009,807	1,087,588
2028	11	948,397	860,769	948,397	1,050,621
2028	12	965,070	875,010	965,070	1,087,690
2029	1	1,008,081	917,097	1,008,081	1,179,751
2029	2	942,908	861,721	942,908	1,078,099
2029	3	988,100	897,392	988,100	1,105,247
2029	4	966,152	877,873	966,152	1,067,269
2029	5	912,859	823,519	912,859	1,010,032
2029	6	1,018,341	928,839	1,018,341	1,123,211
2029	7	1,114,729	1,021,232	1,114,729	1,208,066
2029	8	1,136,475	1,045,065	1,136,475	1,211,003
2029	9	1,143,580	1,054,189	1,143,580	1,216,177
2029	10	1,012,986	922,219	1,012,986	1,098,628
2029	11	951,894	863,872	951,894	1,065,175
2029	12	968,935	878,470	968,935	1,105,081
2030	1	1,012,018	920,650	1,012,018	1,200,861
2030	2	946,574	865,032	946,574	1,095,029
2030	3	991,848	900,779	991,848	1,120,299
2030	4	969,404	880,779	969,404	1,080,088
2030	5	915,030	825,376	915,030	1,021,457
2030	6	1,019,866	929,993	1,019,866	1,134,550
2030	7	1,115,787	1,021,884	1,115,787	1,217,405
2030	8	1,137,816	1,045,990	1,137,816	1,218,484
2030	9	1,145,864	1,056,032	1,145,864	1,224,348
2030	10	1,015,798	924,645	1,015,798	1,109,140
2030	11	955,059	866,672	955,059	1,079,245

2030	12	972,540	881,715	972,540	1,122,029
2031	1	1,015,706	923,885	1,015,706	1,221,803
2031	2	949,967	868,004	949,967	1,111,759
2031	3	995,170	903,754	995,170	1,134,876
2031	4	972,211	883,256	972,211	1,092,411
2031	5	916,902	826,949	916,902	1,032,528
2031	6	1,021,247	931,025	1,021,247	1,145,741
2031	7	1,116,806	1,022,517	1,116,806	1,226,720
2031	8	1,139,042	1,046,822	1,139,042	1,225,868
2031	9	1,147,872	1,057,574	1,147,872	1,232,301
2031	10	1,018,254	926,694	1,018,254	1,119,328
2031	11	957,882	869,108	957,882	1,092,998
2031	12	975,835	884,584	975,835	1,138,740
2032	1	1,019,092	927,007	1,019,092	1,242,163
2032	2	954,298	871,926	954,298	1,129,179
2032	3	998,108	906,213	998,108	1,148,840
2032	4	974,652	885,235	974,652	1,104,151
2032	5	918,520	828,146	918,520	1,043,160
2032	6	1,022,462	931,982	1,022,462	1,156,502
2032	7	1,117,717	1,023,182	1,117,717	1,235,611
2032	8	1,140,110	1,047,644	1,140,110	1,232,763
2032	9	1,149,595	1,059,058	1,149,595	1,239,619
2032	10	1,020,377	928,573	1,020,377	1,128,903
2032	11	960,364	871,352	960,364	1,106,151
2032	12	978,806	887,297	978,806	1,154,874
2033	1	1,022,079	929,420	1,022,079	1,262,405
2033	2	955,782	873,029	955,782	1,143,996
2033	3	1,000,696	908,458	1,000,696	1,162,711
2033	4	976,741	886,990	976,741	1,115,785
2033	5	919,896	829,205	919,896	1,053,763
2033	6	1,023,465	932,393	1,023,465	1,167,336
2033	7	1,118,470	1,023,278	1,118,470	1,244,697
2033	8	1,140,973	1,047,833	1,140,973	1,239,824
2033	9	1,150,970	1,059,751	1,150,970	1,246,962
2033	10	1,022,129	929,738	1,022,129	1,138,392
2033	11	962,478	872,912	962,478	1,119,195
2033	12	981,386	889,340	981,386	1,170,868
2034	1	1,024,582	931,355	1,024,582	1,282,231
2034	2	958,037	874,759	958,037	1,159,649
2034	3	1,002,741	909,979	1,002,741	1,176,121
2034	4	978,317	888,064	978,317	1,126,988
2034	5	920,863	829,715	920,863	1,064,035
2034	6	1,024,081	932,499	1,024,081	1,177,873
2034	7	1,118,841	1,023,082	1,118,841	1,253,500
2034	8	1,141,419	1,047,698	1,141,419	1,246,569
2034	9	1,151,884	1,060,036	1,151,884	1,253,934
2034	10	1,023,423	930,488	1,023,423	1,147,498
2034	11	964,132	874,051	964,132	1,131,849
2034	12	983,494	890,917	983,494	1,186,455
2035	1	1,026,916	933,084	1,026,916	1,301,920
2035	2	960,133	876,295	960,133	1,175,172
2035	3	1,004,660	911,289	1,004,660	1,189,408
2035	4	979,787	888,948	979,787	1,138,088
2035	5	921,786	830,101	921,786	1,074,266
2035	6	1,024,698	932,520	1,024,698	1,188,400
2035	7	1,119,260	1,022,843	1,119,260	1,262,344
2035	8	1,141,895	1,047,500	1,141,895	1,253,335
2035	9	1,152,761	1,060,273	1,152,761	1,260,889
2035	10	1,024,629	931,140	1,024,629	1,156,531
2035	11	965,672	875,066	965,672	1,144,402
2035	12	985,443	892,300	985,443	1,201,913
2036	1	1,028,999	934,619	1,028,999	1,321,349
2036	2	963,230	878,737	963,230	1,191,689

2036	3	1,006,327	912,486	1,006,327	1,202,451
2036	4	981,036	889,747	981,036	1,148,976
2036	5	922,564	830,470	922,564	1,084,363
2036	6	1,025,193	932,528	1,025,193	1,198,852
2036	7	1,119,570	1,022,611	1,119,570	1,271,124
2036	8	1,142,235	1,047,285	1,142,235	1,260,014
2036	9	1,153,471	1,060,398	1,153,471	1,267,689
2036	10	1,025,650	931,656	1,025,650	1,165,392
2036	11	967,009	875,925	967,009	1,156,762
2036	12	987,163	893,508	987,163	1,217,134
2037	1	1,030,619	935,691	1,030,619	1,340,355
2037	2	963,432	878,580	963,432	1,205,350
2037	3	1,007,605	913,273	1,007,605	1,215,140
2037	4	981,918	890,159	981,918	1,159,534
2037	5	923,041	830,519	923,041	1,094,196
2037	6	1,025,365	932,200	1,025,365	1,209,004
2037	7	1,119,550	1,022,038	1,119,550	1,279,601
2037	8	1,142,233	1,046,716	1,142,233	1,266,377
2037	9	1,153,780	1,060,093	1,153,780	1,274,128
2037	10	1,026,287	931,762	1,026,287	1,173,902
2037	11	967,961	876,373	967,961	1,168,769
2037	12	988,459	894,292	988,459	1,231,972
2038	1	1,031,817	936,344	1,031,817	1,359,001
2038	2	964,475	879,115	964,475	1,219,910
2038	3	1,008,516	913,685	1,008,516	1,227,536
2038	4	982,464	890,226	982,464	1,169,829
2038	5	923,250	830,291	923,250	1,103,828
2038	6	1,025,251	931,605	1,025,251	1,218,945
2038	7	1,119,229	1,021,185	1,119,229	1,287,860
2038	8	1,141,915	1,045,852	1,141,915	1,272,508
2038	9	1,153,736	1,059,483	1,153,736	1,280,294
2038	10	1,026,591	931,574	1,026,591	1,182,147
2038	11	968,573	876,520	968,573	1,180,499
2038	12	989,365	894,687	989,365	1,246,477
2039	1	1,032,823	936,764	1,032,823	1,377,439
2039	2	965,339	879,432	965,339	1,234,274
2039	3	1,009,206	913,840	1,009,206	1,239,693
2039	4	982,817	890,064	982,817	1,179,912
2039	5	923,315	829,887	923,315	1,113,299
2039	6	1,025,012	930,802	1,025,012	1,228,740
2039	7	1,118,789	1,020,122	1,118,789	1,295,978
2039	8	1,141,469	1,044,766	1,141,469	1,278,490
2039	9	1,153,562	1,058,687	1,153,562	1,286,308
2039	10	1,026,749	931,195	1,026,749	1,190,227
2039	11	969,025	876,463	969,025	1,192,048
2039	12	990,098	894,871	990,098	1,260,795
2040	1	1,033,690	936,950	1,033,690	1,395,627
2040	2	967,303	880,614	967,303	1,249,637
2040	3	1,009,791	913,786	1,009,791	1,251,640
2040	4	983,078	889,710	983,078	1,189,803
2040	5	923,342	829,351	923,342	1,122,640
2040	6	1,024,742	929,892	1,024,742	1,238,400
2040	7	1,118,338	1,018,963	1,118,338	1,303,970
2040	8	1,141,004	1,043,575	1,141,004	1,284,334
2040	9	1,153,343	1,057,693	1,153,343	1,292,157
2040	10	1,026,835	930,608	1,026,835	1,198,128
2040	11	969,387	876,188	969,387	1,203,409
2040	12	990,705	894,839	990,705	1,274,882

Representative Hourly Load Shape for NIPSCO
Note: Shape based on 2019 data

Date	Hour Ending	Hour of Year	MWh Adjusted for 831 T2/T2 loads
1/1/2019	1	1	1,056.47
1/1/2019	2	2	997.99
1/1/2019	3	3	1,021.24
1/1/2019	4	4	1,023.11
1/1/2019	5	5	1,013.30
1/1/2019	6	6	1,043.66
1/1/2019	7	7	1,091.82
1/1/2019	8	8	1,070.80
1/1/2019	9	9	1,045.52
1/1/2019	10	10	1,077.38
1/1/2019	11	11	1,103.31
1/1/2019	12	12	1,104.48
1/1/2019	13	13	1,115.83
1/1/2019	14	14	1,105.69
1/1/2019	15	15	1,129.06
1/1/2019	16	16	1,166.05
1/1/2019	17	17	1,201.62
1/1/2019	18	18	1,260.04
1/1/2019	19	19	1,242.03
1/1/2019	20	20	1,242.14
1/1/2019	21	21	1,190.71
1/1/2019	22	22	1,199.12
1/1/2019	23	23	1,155.55
1/1/2019	24	24	1,116.14
1/2/2019	1	25	1,070.69
1/2/2019	2	26	1,058.39
1/2/2019	3	27	1,067.75
1/2/2019	4	28	1,088.30
1/2/2019	5	29	1,155.68
1/2/2019	6	30	1,250.04
1/2/2019	7	31	1,372.06
1/2/2019	8	32	1,372.53
1/2/2019	9	33	1,413.93
1/2/2019	10	34	1,475.00
1/2/2019	11	35	1,474.07
1/2/2019	12	36	1,477.25
1/2/2019	13	37	1,490.12
1/2/2019	14	38	1,479.50
1/2/2019	15	39	1,478.66
1/2/2019	16	40	1,445.20
1/2/2019	17	41	1,492.42
1/2/2019	18	42	1,502.31
1/2/2019	19	43	1,503.20
1/2/2019	20	44	1,402.66
1/2/2019	21	45	1,434.52
1/2/2019	22	46	1,409.99
1/2/2019	23	47	1,338.64
1/2/2019	24	48	1,334.66
1/3/2019	1	49	1,216.50
1/3/2019	2	50	1,196.02
1/3/2019	3	51	1,169.68
1/3/2019	4	52	1,192.77
1/3/2019	5	53	1,316.38
1/3/2019	6	54	1,362.10
1/3/2019	7	55	1,340.67

1/3/2019	8	56	1,455.30
1/3/2019	9	57	1,432.90
1/3/2019	10	58	1,473.96
1/3/2019	11	59	1,408.94
1/3/2019	12	60	1,387.63
1/3/2019	13	61	1,417.19
1/3/2019	14	62	1,395.86
1/3/2019	15	63	1,377.17
1/3/2019	16	64	1,326.65
1/3/2019	17	65	1,334.68
1/3/2019	18	66	1,434.94
1/3/2019	19	67	1,446.49
1/3/2019	20	68	1,394.88
1/3/2019	21	69	1,386.09
1/3/2019	22	70	1,335.66
1/3/2019	23	71	1,274.48
1/3/2019	24	72	1,229.69
1/4/2019	1	73	1,185.98
1/4/2019	2	74	1,140.85
1/4/2019	3	75	1,172.11
1/4/2019	4	76	1,186.29
1/4/2019	5	77	1,266.20
1/4/2019	6	78	1,304.56
1/4/2019	7	79	1,325.52
1/4/2019	8	80	1,481.02
1/4/2019	9	81	1,462.46
1/4/2019	10	82	1,388.04
1/4/2019	11	83	1,440.41
1/4/2019	12	84	1,356.69
1/4/2019	13	85	1,344.01
1/4/2019	14	86	1,269.42
1/4/2019	15	87	1,324.59
1/4/2019	16	88	1,273.45
1/4/2019	17	89	1,293.54
1/4/2019	18	90	1,409.61
1/4/2019	19	91	1,364.21
1/4/2019	20	92	1,265.51
1/4/2019	21	93	1,305.70
1/4/2019	22	94	1,270.31
1/4/2019	23	95	1,152.60
1/4/2019	24	96	1,158.28
1/5/2019	1	97	1,134.47
1/5/2019	2	98	1,069.02
1/5/2019	3	99	1,111.51
1/5/2019	4	100	1,076.16
1/5/2019	5	101	1,071.32
1/5/2019	6	102	1,141.00
1/5/2019	7	103	1,146.45
1/5/2019	8	104	1,193.61
1/5/2019	9	105	1,123.95
1/5/2019	10	106	1,148.53
1/5/2019	11	107	1,189.97
1/5/2019	12	108	1,141.60
1/5/2019	13	109	1,088.74
1/5/2019	14	110	1,139.69
1/5/2019	15	111	1,076.63
1/5/2019	16	112	1,097.27
1/5/2019	17	113	1,176.15
1/5/2019	18	114	1,209.38
1/5/2019	19	115	1,276.45
1/5/2019	20	116	1,173.14
1/5/2019	21	117	1,174.12
1/5/2019	22	118	1,146.60

1/5/2019	23	119	1,090.63
1/5/2019	24	120	1,105.49
1/6/2019	1	121	1,034.15
1/6/2019	2	122	1,001.39
1/6/2019	3	123	1,012.84
1/6/2019	4	124	1,012.13
1/6/2019	5	125	1,002.06
1/6/2019	6	126	1,047.02
1/6/2019	7	127	1,063.19
1/6/2019	8	128	1,042.82
1/6/2019	9	129	1,073.94
1/6/2019	10	130	1,103.73
1/6/2019	11	131	1,141.67
1/6/2019	12	132	1,070.92
1/6/2019	13	133	1,058.87
1/6/2019	14	134	1,095.86
1/6/2019	15	135	1,149.98
1/6/2019	16	136	1,086.54
1/6/2019	17	137	1,191.83
1/6/2019	18	138	1,246.40
1/6/2019	19	139	1,263.98
1/6/2019	20	140	1,254.27
1/6/2019	21	141	1,273.61
1/6/2019	22	142	1,245.14
1/6/2019	23	143	1,104.02
1/6/2019	24	144	1,137.22
1/7/2019	1	145	1,071.42
1/7/2019	2	146	1,075.74
1/7/2019	3	147	1,065.44
1/7/2019	4	148	1,119.15
1/7/2019	5	149	1,183.50
1/7/2019	6	150	1,242.46
1/7/2019	7	151	1,389.54
1/7/2019	8	152	1,420.12
1/7/2019	9	153	1,394.30
1/7/2019	10	154	1,435.48
1/7/2019	11	155	1,438.28
1/7/2019	12	156	1,447.81
1/7/2019	13	157	1,455.19
1/7/2019	14	158	1,386.05
1/7/2019	15	159	1,374.22
1/7/2019	16	160	1,364.88
1/7/2019	17	161	1,392.11
1/7/2019	18	162	1,376.28
1/7/2019	19	163	1,332.79
1/7/2019	20	164	1,331.47
1/7/2019	21	165	1,363.12
1/7/2019	22	166	1,197.89
1/7/2019	23	167	1,245.42
1/7/2019	24	168	1,142.56
1/8/2019	1	169	1,070.06
1/8/2019	2	170	1,075.04
1/8/2019	3	171	1,123.25
1/8/2019	4	172	1,163.67
1/8/2019	5	173	1,180.49
1/8/2019	6	174	1,263.26
1/8/2019	7	175	1,328.52
1/8/2019	8	176	1,420.93
1/8/2019	9	177	1,426.85
1/8/2019	10	178	1,389.80
1/8/2019	11	179	1,396.06
1/8/2019	12	180	1,387.54
1/8/2019	13	181	1,382.79

1/8/2019	14	182	1,373.70
1/8/2019	15	183	1,323.92
1/8/2019	16	184	1,309.73
1/8/2019	17	185	1,305.32
1/8/2019	18	186	1,421.74
1/8/2019	19	187	1,405.60
1/8/2019	20	188	1,363.28
1/8/2019	21	189	1,337.18
1/8/2019	22	190	1,314.54
1/8/2019	23	191	1,223.73
1/8/2019	24	192	1,091.00
1/9/2019	1	193	1,169.32
1/9/2019	2	194	1,171.25
1/9/2019	3	195	1,186.44
1/9/2019	4	196	1,214.68
1/9/2019	5	197	1,266.59
1/9/2019	6	198	1,368.85
1/9/2019	7	199	1,482.15
1/9/2019	8	200	1,493.89
1/9/2019	9	201	1,516.27
1/9/2019	10	202	1,555.90
1/9/2019	11	203	1,555.22
1/9/2019	12	204	1,582.92
1/9/2019	13	205	1,526.69
1/9/2019	14	206	1,500.39
1/9/2019	15	207	1,502.26
1/9/2019	16	208	1,491.17
1/9/2019	17	209	1,472.30
1/9/2019	18	210	1,494.01
1/9/2019	19	211	1,497.07
1/9/2019	20	212	1,416.72
1/9/2019	21	213	1,435.54
1/9/2019	22	214	1,383.78
1/9/2019	23	215	1,402.33
1/9/2019	24	216	1,432.01
1/10/2019	1	217	1,217.65
1/10/2019	2	218	1,172.09
1/10/2019	3	219	1,222.97
1/10/2019	4	220	1,275.23
1/10/2019	5	221	1,341.57
1/10/2019	6	222	1,339.71
1/10/2019	7	223	1,478.15
1/10/2019	8	224	1,531.56
1/10/2019	9	225	1,540.78
1/10/2019	10	226	1,569.72
1/10/2019	11	227	1,511.52
1/10/2019	12	228	1,498.18
1/10/2019	13	229	1,519.48
1/10/2019	14	230	1,522.67
1/10/2019	15	231	1,474.30
1/10/2019	16	232	1,407.60
1/10/2019	17	233	1,419.36
1/10/2019	18	234	1,440.00
1/10/2019	19	235	1,439.55
1/10/2019	20	236	1,459.25
1/10/2019	21	237	1,395.87
1/10/2019	22	238	1,355.27
1/10/2019	23	239	1,281.50
1/10/2019	24	240	1,247.33
1/11/2019	1	241	1,141.98
1/11/2019	2	242	1,223.83
1/11/2019	3	243	1,178.15
1/11/2019	4	244	1,197.18

1/11/2019	5	245	1,267.57
1/11/2019	6	246	1,342.71
1/11/2019	7	247	1,373.35
1/11/2019	8	248	1,494.21
1/11/2019	9	249	1,449.58
1/11/2019	10	250	1,527.87
1/11/2019	11	251	1,490.06
1/11/2019	12	252	1,489.04
1/11/2019	13	253	1,465.20
1/11/2019	14	254	1,420.79
1/11/2019	15	255	1,375.00
1/11/2019	16	256	1,368.83
1/11/2019	17	257	1,348.05
1/11/2019	18	258	1,414.44
1/11/2019	19	259	1,421.13
1/11/2019	20	260	1,360.13
1/11/2019	21	261	1,340.43
1/11/2019	22	262	1,227.83
1/11/2019	23	263	1,298.33
1/11/2019	24	264	1,156.02
1/12/2019	1	265	1,141.06
1/12/2019	2	266	1,145.40
1/12/2019	3	267	1,044.97
1/12/2019	4	268	1,133.81
1/12/2019	5	269	1,098.64
1/12/2019	6	270	1,160.17
1/12/2019	7	271	1,196.41
1/12/2019	8	272	1,210.29
1/12/2019	9	273	1,267.88
1/12/2019	10	274	1,307.38
1/12/2019	11	275	1,290.01
1/12/2019	12	276	1,293.97
1/12/2019	13	277	1,227.82
1/12/2019	14	278	1,289.73
1/12/2019	15	279	1,261.65
1/12/2019	16	280	1,214.53
1/12/2019	17	281	1,333.39
1/12/2019	18	282	1,355.17
1/12/2019	19	283	1,311.87
1/12/2019	20	284	1,341.72
1/12/2019	21	285	1,312.95
1/12/2019	22	286	1,266.81
1/12/2019	23	287	1,196.69
1/12/2019	24	288	1,113.12
1/13/2019	1	289	1,138.52
1/13/2019	2	290	1,067.49
1/13/2019	3	291	1,117.92
1/13/2019	4	292	1,100.95
1/13/2019	5	293	1,093.09
1/13/2019	6	294	1,108.95
1/13/2019	7	295	1,122.03
1/13/2019	8	296	1,122.18
1/13/2019	9	297	1,174.54
1/13/2019	10	298	1,200.15
1/13/2019	11	299	1,206.95
1/13/2019	12	300	1,144.59
1/13/2019	13	301	1,164.12
1/13/2019	14	302	1,195.43
1/13/2019	15	303	1,151.24
1/13/2019	16	304	1,163.03
1/13/2019	17	305	1,226.28
1/13/2019	18	306	1,318.42
1/13/2019	19	307	1,318.37

1/13/2019	20	308	1,290.99
1/13/2019	21	309	1,303.96
1/13/2019	22	310	1,301.24
1/13/2019	23	311	1,198.96
1/13/2019	24	312	1,137.89
1/14/2019	1	313	1,171.90
1/14/2019	2	314	1,188.05
1/14/2019	3	315	1,197.71
1/14/2019	4	316	1,219.33
1/14/2019	5	317	1,268.15
1/14/2019	6	318	1,375.10
1/14/2019	7	319	1,451.07
1/14/2019	8	320	1,501.71
1/14/2019	9	321	1,507.57
1/14/2019	10	322	1,528.10
1/14/2019	11	323	1,517.18
1/14/2019	12	324	1,516.88
1/14/2019	13	325	1,493.90
1/14/2019	14	326	1,457.48
1/14/2019	15	327	1,512.57
1/14/2019	16	328	1,419.18
1/14/2019	17	329	1,459.64
1/14/2019	18	330	1,445.02
1/14/2019	19	331	1,490.87
1/14/2019	20	332	1,473.95
1/14/2019	21	333	1,428.88
1/14/2019	22	334	1,398.93
1/14/2019	23	335	1,314.27
1/14/2019	24	336	1,263.82
1/15/2019	1	337	1,223.60
1/15/2019	2	338	1,209.15
1/15/2019	3	339	1,213.43
1/15/2019	4	340	1,214.46
1/15/2019	5	341	1,281.29
1/15/2019	6	342	1,376.94
1/15/2019	7	343	1,475.62
1/15/2019	8	344	1,449.29
1/15/2019	9	345	1,508.66
1/15/2019	10	346	1,537.92
1/15/2019	11	347	1,546.99
1/15/2019	12	348	1,552.39
1/15/2019	13	349	1,526.64
1/15/2019	14	350	1,487.66
1/15/2019	15	351	1,438.47
1/15/2019	16	352	1,443.77
1/15/2019	17	353	1,446.41
1/15/2019	18	354	1,483.30
1/15/2019	19	355	1,537.61
1/15/2019	20	356	1,463.26
1/15/2019	21	357	1,435.75
1/15/2019	22	358	1,349.61
1/15/2019	23	359	1,327.71
1/15/2019	24	360	1,171.28
1/16/2019	1	361	1,247.47
1/16/2019	2	362	1,238.65
1/16/2019	3	363	1,232.59
1/16/2019	4	364	1,255.77
1/16/2019	5	365	1,326.23
1/16/2019	6	366	1,381.06
1/16/2019	7	367	1,491.88
1/16/2019	8	368	1,471.50
1/16/2019	9	369	1,535.48
1/16/2019	10	370	1,548.28

1/16/2019	11	371	1,531.55
1/16/2019	12	372	1,486.10
1/16/2019	13	373	1,481.59
1/16/2019	14	374	1,445.62
1/16/2019	15	375	1,423.60
1/16/2019	16	376	1,407.55
1/16/2019	17	377	1,396.70
1/16/2019	18	378	1,503.73
1/16/2019	19	379	1,491.29
1/16/2019	20	380	1,463.68
1/16/2019	21	381	1,415.31
1/16/2019	22	382	1,408.77
1/16/2019	23	383	1,324.45
1/16/2019	24	384	1,349.47
1/17/2019	1	385	1,204.34
1/17/2019	2	386	1,208.69
1/17/2019	3	387	1,201.81
1/17/2019	4	388	1,171.66
1/17/2019	5	389	1,237.90
1/17/2019	6	390	1,377.35
1/17/2019	7	391	1,414.68
1/17/2019	8	392	1,477.33
1/17/2019	9	393	1,443.43
1/17/2019	10	394	1,532.72
1/17/2019	11	395	1,486.01
1/17/2019	12	396	1,435.04
1/17/2019	13	397	1,428.04
1/17/2019	14	398	1,448.02
1/17/2019	15	399	1,437.36
1/17/2019	16	400	1,372.88
1/17/2019	17	401	1,361.59
1/17/2019	18	402	1,385.06
1/17/2019	19	403	1,429.88
1/17/2019	20	404	1,426.06
1/17/2019	21	405	1,350.37
1/17/2019	22	406	1,312.42
1/17/2019	23	407	1,236.39
1/17/2019	24	408	1,134.87
1/18/2019	1	409	1,197.13
1/18/2019	2	410	1,150.21
1/18/2019	3	411	1,208.87
1/18/2019	4	412	1,143.30
1/18/2019	5	413	1,210.65
1/18/2019	6	414	1,363.80
1/18/2019	7	415	1,389.66
1/18/2019	8	416	1,454.48
1/18/2019	9	417	1,513.10
1/18/2019	10	418	1,512.45
1/18/2019	11	419	1,497.33
1/18/2019	12	420	1,481.13
1/18/2019	13	421	1,415.54
1/18/2019	14	422	1,397.63
1/18/2019	15	423	1,337.14
1/18/2019	16	424	1,296.28
1/18/2019	17	425	1,382.82
1/18/2019	18	426	1,422.66
1/18/2019	19	427	1,349.33
1/18/2019	20	428	1,390.19
1/18/2019	21	429	1,379.67
1/18/2019	22	430	1,304.31
1/18/2019	23	431	1,267.97
1/18/2019	24	432	1,288.56
1/19/2019	1	433	1,163.78

1/19/2019	2	434	1,144.26
1/19/2019	3	435	1,151.78
1/19/2019	4	436	1,152.45
1/19/2019	5	437	1,148.37
1/19/2019	6	438	1,172.31
1/19/2019	7	439	1,240.77
1/19/2019	8	440	1,233.89
1/19/2019	9	441	1,299.43
1/19/2019	10	442	1,263.62
1/19/2019	11	443	1,302.10
1/19/2019	12	444	1,270.69
1/19/2019	13	445	1,309.74
1/19/2019	14	446	1,285.06
1/19/2019	15	447	1,313.23
1/19/2019	16	448	1,329.58
1/19/2019	17	449	1,294.52
1/19/2019	18	450	1,413.63
1/19/2019	19	451	1,418.11
1/19/2019	20	452	1,352.14
1/19/2019	21	453	1,392.17
1/19/2019	22	454	1,329.35
1/19/2019	23	455	1,282.78
1/19/2019	24	456	1,174.89
1/20/2019	1	457	1,232.85
1/20/2019	2	458	1,165.59
1/20/2019	3	459	1,140.38
1/20/2019	4	460	1,238.49
1/20/2019	5	461	1,212.50
1/20/2019	6	462	1,251.84
1/20/2019	7	463	1,254.13
1/20/2019	8	464	1,236.83
1/20/2019	9	465	1,152.63
1/20/2019	10	466	1,303.42
1/20/2019	11	467	1,284.36
1/20/2019	12	468	1,206.91
1/20/2019	13	469	1,201.84
1/20/2019	14	470	1,285.30
1/20/2019	15	471	1,250.80
1/20/2019	16	472	1,307.07
1/20/2019	17	473	1,328.97
1/20/2019	18	474	1,392.09
1/20/2019	19	475	1,366.46
1/20/2019	20	476	1,374.95
1/20/2019	21	477	1,392.89
1/20/2019	22	478	1,347.52
1/20/2019	23	479	1,286.14
1/20/2019	24	480	1,304.47
1/21/2019	1	481	1,245.01
1/21/2019	2	482	1,212.09
1/21/2019	3	483	1,230.94
1/21/2019	4	484	1,253.33
1/21/2019	5	485	1,348.16
1/21/2019	6	486	1,400.46
1/21/2019	7	487	1,540.39
1/21/2019	8	488	1,517.64
1/21/2019	9	489	1,590.87
1/21/2019	10	490	1,541.34
1/21/2019	11	491	1,545.89
1/21/2019	12	492	1,581.71
1/21/2019	13	493	1,566.34
1/21/2019	14	494	1,475.76
1/21/2019	15	495	1,494.36
1/21/2019	16	496	1,439.25

1/21/2019	17	497	1,473.38
1/21/2019	18	498	1,576.10
1/21/2019	19	499	1,568.41
1/21/2019	20	500	1,562.79
1/21/2019	21	501	1,502.62
1/21/2019	22	502	1,417.63
1/21/2019	23	503	1,391.34
1/21/2019	24	504	1,293.55
1/22/2019	1	505	1,306.50
1/22/2019	2	506	1,269.46
1/22/2019	3	507	1,265.77
1/22/2019	4	508	1,275.49
1/22/2019	5	509	1,358.98
1/22/2019	6	510	1,441.13
1/22/2019	7	511	1,554.28
1/22/2019	8	512	1,555.69
1/22/2019	9	513	1,557.36
1/22/2019	10	514	1,549.29
1/22/2019	11	515	1,591.35
1/22/2019	12	516	1,567.32
1/22/2019	13	517	1,512.38
1/22/2019	14	518	1,549.33
1/22/2019	15	519	1,461.27
1/22/2019	16	520	1,446.08
1/22/2019	17	521	1,461.20
1/22/2019	18	522	1,488.14
1/22/2019	19	523	1,456.35
1/22/2019	20	524	1,486.82
1/22/2019	21	525	1,442.00
1/22/2019	22	526	1,369.54
1/22/2019	23	527	1,351.45
1/22/2019	24	528	1,191.83
1/23/2019	1	529	1,231.30
1/23/2019	2	530	1,253.78
1/23/2019	3	531	1,235.32
1/23/2019	4	532	1,203.13
1/23/2019	5	533	1,336.03
1/23/2019	6	534	1,408.69
1/23/2019	7	535	1,469.43
1/23/2019	8	536	1,527.67
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1/23/2019	10	538	1,523.89
1/23/2019	11	539	1,536.92
1/23/2019	12	540	1,526.99
1/23/2019	13	541	1,532.35
1/23/2019	14	542	1,514.60
1/23/2019	15	543	1,445.70
1/23/2019	16	544	1,450.22
1/23/2019	17	545	1,473.81
1/23/2019	18	546	1,524.53
1/23/2019	19	547	1,500.61
1/23/2019	20	548	1,474.32
1/23/2019	21	549	1,457.79
1/23/2019	22	550	1,361.63
1/23/2019	23	551	1,374.97
1/23/2019	24	552	1,265.53
1/24/2019	1	553	1,281.74
1/24/2019	2	554	1,209.22
1/24/2019	3	555	1,231.75
1/24/2019	4	556	1,259.11
1/24/2019	5	557	1,353.67
1/24/2019	6	558	1,497.31
1/24/2019	7	559	1,566.03

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1/24/2019	9	561	1,557.62
1/24/2019	10	562	1,557.06
1/24/2019	11	563	1,576.57
1/24/2019	12	564	1,486.52
1/24/2019	13	565	1,568.27
1/24/2019	14	566	1,516.89
1/24/2019	15	567	1,477.27
1/24/2019	16	568	1,488.76
1/24/2019	17	569	1,469.92
1/24/2019	18	570	1,498.93
1/24/2019	19	571	1,537.24
1/24/2019	20	572	1,495.51
1/24/2019	21	573	1,500.36
1/24/2019	22	574	1,456.91
1/24/2019	23	575	1,416.37
1/24/2019	24	576	1,386.91
1/25/2019	1	577	1,373.38
1/25/2019	2	578	1,355.23
1/25/2019	3	579	1,308.05
1/25/2019	4	580	1,322.33
1/25/2019	5	581	1,391.38
1/25/2019	6	582	1,571.59
1/25/2019	7	583	1,550.34
1/25/2019	8	584	1,542.44
1/25/2019	9	585	1,545.86
1/25/2019	10	586	1,592.43
1/25/2019	11	587	1,528.64
1/25/2019	12	588	1,492.92
1/25/2019	13	589	1,547.83
1/25/2019	14	590	1,545.50
1/25/2019	15	591	1,538.71
1/25/2019	16	592	1,459.09
1/25/2019	17	593	1,452.41
1/25/2019	18	594	1,554.64
1/25/2019	19	595	1,565.11
1/25/2019	20	596	1,450.09
1/25/2019	21	597	1,420.26
1/25/2019	22	598	1,416.09
1/25/2019	23	599	1,312.11
1/25/2019	24	600	1,333.28
1/26/2019	1	601	1,289.93
1/26/2019	2	602	1,282.11
1/26/2019	3	603	1,245.22
1/26/2019	4	604	1,251.94
1/26/2019	5	605	1,224.20
1/26/2019	6	606	1,312.77
1/26/2019	7	607	1,370.53
1/26/2019	8	608	1,382.41
1/26/2019	9	609	1,320.86
1/26/2019	10	610	1,415.57
1/26/2019	11	611	1,388.18
1/26/2019	12	612	1,368.97
1/26/2019	13	613	1,322.54
1/26/2019	14	614	1,330.48
1/26/2019	15	615	1,340.56
1/26/2019	16	616	1,257.03
1/26/2019	17	617	1,371.61
1/26/2019	18	618	1,444.91
1/26/2019	19	619	1,445.23
1/26/2019	20	620	1,404.25
1/26/2019	21	621	1,457.35
1/26/2019	22	622	1,355.47

1/26/2019	23	623	1,281.24
1/26/2019	24	624	1,239.98
1/27/2019	1	625	1,263.43
1/27/2019	2	626	1,220.10
1/27/2019	3	627	1,208.35
1/27/2019	4	628	1,216.59
1/27/2019	5	629	1,204.04
1/27/2019	6	630	1,281.63
1/27/2019	7	631	1,264.12
1/27/2019	8	632	1,254.52
1/27/2019	9	633	1,322.76
1/27/2019	10	634	1,337.74
1/27/2019	11	635	1,297.48
1/27/2019	12	636	1,302.01
1/27/2019	13	637	1,315.29
1/27/2019	14	638	1,285.81
1/27/2019	15	639	1,283.66
1/27/2019	16	640	1,307.01
1/27/2019	17	641	1,405.59
1/27/2019	18	642	1,446.99
1/27/2019	19	643	1,446.04
1/27/2019	20	644	1,420.68
1/27/2019	21	645	1,425.71
1/27/2019	22	646	1,356.51
1/27/2019	23	647	1,321.64
1/27/2019	24	648	1,238.70
1/28/2019	1	649	1,296.86
1/28/2019	2	650	1,265.68
1/28/2019	3	651	1,318.72
1/28/2019	4	652	1,301.55
1/28/2019	5	653	1,399.33
1/28/2019	6	654	1,377.75
1/28/2019	7	655	1,602.46
1/28/2019	8	656	1,530.98
1/28/2019	9	657	1,494.99
1/28/2019	10	658	1,600.89
1/28/2019	11	659	1,587.82
1/28/2019	12	660	1,519.75
1/28/2019	13	661	1,532.54
1/28/2019	14	662	1,540.28
1/28/2019	15	663	1,459.81
1/28/2019	16	664	1,487.73
1/28/2019	17	665	1,499.69
1/28/2019	18	666	1,541.21
1/28/2019	19	667	1,544.52
1/28/2019	20	668	1,547.99
1/28/2019	21	669	1,492.01
1/28/2019	22	670	1,432.64
1/28/2019	23	671	1,393.25
1/28/2019	24	672	1,311.18
1/29/2019	1	673	1,307.14
1/29/2019	2	674	1,290.85
1/29/2019	3	675	1,305.82
1/29/2019	4	676	1,398.46
1/29/2019	5	677	1,390.27
1/29/2019	6	678	1,490.06
1/29/2019	7	679	1,556.70
1/29/2019	8	680	1,599.58
1/29/2019	9	681	1,603.29
1/29/2019	10	682	1,617.55
1/29/2019	11	683	1,630.55
1/29/2019	12	684	1,617.01
1/29/2019	13	685	1,690.78

1/29/2019	14	686	1,607.59
1/29/2019	15	687	1,581.77
1/29/2019	16	688	1,579.71
1/29/2019	17	689	1,530.46
1/29/2019	18	690	1,668.82
1/29/2019	19	691	1,666.18
1/29/2019	20	692	1,635.24
1/29/2019	21	693	1,628.67
1/29/2019	22	694	1,547.19
1/29/2019	23	695	1,469.05
1/29/2019	24	696	1,521.59
1/30/2019	1	697	1,419.74
1/30/2019	2	698	1,416.68
1/30/2019	3	699	1,387.01
1/30/2019	4	700	1,422.99
1/30/2019	5	701	1,479.47
1/30/2019	6	702	1,490.03
1/30/2019	7	703	1,355.69
1/30/2019	8	704	1,441.22
1/30/2019	9	705	1,541.24
1/30/2019	10	706	1,509.56
1/30/2019	11	707	1,549.73
1/30/2019	12	708	1,613.43
1/30/2019	13	709	1,516.15
1/30/2019	14	710	1,485.35
1/30/2019	15	711	1,506.60
1/30/2019	16	712	1,559.30
1/30/2019	17	713	1,502.85
1/30/2019	18	714	1,666.72
1/30/2019	19	715	1,676.51
1/30/2019	20	716	1,621.08
1/30/2019	21	717	1,623.30
1/30/2019	22	718	1,547.18
1/30/2019	23	719	1,524.21
1/30/2019	24	720	1,344.06
1/31/2019	1	721	1,466.22
1/31/2019	2	722	1,449.41
1/31/2019	3	723	1,436.05
1/31/2019	4	724	1,437.97
1/31/2019	5	725	1,504.27
1/31/2019	6	726	1,522.03
1/31/2019	7	727	1,618.01
1/31/2019	8	728	1,368.45
1/31/2019	9	729	1,429.26
1/31/2019	10	730	1,523.92
1/31/2019	11	731	1,439.76
1/31/2019	12	732	1,392.49
1/31/2019	13	733	1,359.01
1/31/2019	14	734	1,312.09
1/31/2019	15	735	1,298.16
1/31/2019	16	736	1,329.03
1/31/2019	17	737	1,301.68
1/31/2019	18	738	1,342.60
1/31/2019	19	739	1,364.48
1/31/2019	20	740	1,594.19
1/31/2019	21	741	1,560.18
1/31/2019	22	742	1,545.81
1/31/2019	23	743	1,447.49
1/31/2019	24	744	1,548.91
2/1/2019	1	745	1,394.65
2/1/2019	2	746	1,348.41
2/1/2019	3	747	1,390.03
2/1/2019	4	748	1,341.09

2/1/2019	5	749	1,451.71
2/1/2019	6	750	1,503.43
2/1/2019	7	751	1,546.10
2/1/2019	8	752	1,581.46
2/1/2019	9	753	1,546.29
2/1/2019	10	754	1,576.55
2/1/2019	11	755	1,570.03
2/1/2019	12	756	1,554.20
2/1/2019	13	757	1,529.44
2/1/2019	14	758	1,519.49
2/1/2019	15	759	1,439.36
2/1/2019	16	760	1,416.27
2/1/2019	17	761	1,432.67
2/1/2019	18	762	1,482.17
2/1/2019	19	763	1,523.39
2/1/2019	20	764	1,476.99
2/1/2019	21	765	1,463.98
2/1/2019	22	766	1,451.73
2/1/2019	23	767	1,337.77
2/1/2019	24	768	1,247.82
2/2/2019	1	769	1,259.77
2/2/2019	2	770	1,291.64
2/2/2019	3	771	1,244.30
2/2/2019	4	772	1,231.29
2/2/2019	5	773	1,259.77
2/2/2019	6	774	1,273.22
2/2/2019	7	775	1,327.42
2/2/2019	8	776	1,326.13
2/2/2019	9	777	1,315.03
2/2/2019	10	778	1,337.02
2/2/2019	11	779	1,260.25
2/2/2019	12	780	1,300.77
2/2/2019	13	781	1,262.28
2/2/2019	14	782	1,273.30
2/2/2019	15	783	1,217.22
2/2/2019	16	784	1,232.13
2/2/2019	17	785	1,250.97
2/2/2019	18	786	1,270.76
2/2/2019	19	787	1,317.34
2/2/2019	20	788	1,297.44
2/2/2019	21	789	1,310.85
2/2/2019	22	790	1,249.43
2/2/2019	23	791	1,180.89
2/2/2019	24	792	1,148.41
2/3/2019	1	793	1,068.06
2/3/2019	2	794	1,066.54
2/3/2019	3	795	1,071.22
2/3/2019	4	796	1,038.28
2/3/2019	5	797	1,030.09
2/3/2019	6	798	1,076.63
2/3/2019	7	799	1,082.74
2/3/2019	8	800	1,005.01
2/3/2019	9	801	1,136.84
2/3/2019	10	802	1,117.30
2/3/2019	11	803	1,099.19
2/3/2019	12	804	1,101.43
2/3/2019	13	805	1,118.66
2/3/2019	14	806	1,115.97
2/3/2019	15	807	1,107.59
2/3/2019	16	808	1,137.76
2/3/2019	17	809	1,143.88
2/3/2019	18	810	1,214.65
2/3/2019	19	811	1,203.46

2/3/2019	20	812	1,217.26
2/3/2019	21	813	1,169.30
2/3/2019	22	814	1,046.64
2/3/2019	23	815	1,075.29
2/3/2019	24	816	997.13
2/4/2019	1	817	1,075.82
2/4/2019	2	818	1,057.67
2/4/2019	3	819	1,095.17
2/4/2019	4	820	1,078.58
2/4/2019	5	821	1,156.51
2/4/2019	6	822	1,248.01
2/4/2019	7	823	1,393.61
2/4/2019	8	824	1,375.55
2/4/2019	9	825	1,428.17
2/4/2019	10	826	1,401.69
2/4/2019	11	827	1,459.40
2/4/2019	12	828	1,410.52
2/4/2019	13	829	1,465.55
2/4/2019	14	830	1,416.80
2/4/2019	15	831	1,361.69
2/4/2019	16	832	1,360.80
2/4/2019	17	833	1,304.29
2/4/2019	18	834	1,381.14
2/4/2019	19	835	1,379.38
2/4/2019	20	836	1,357.67
2/4/2019	21	837	1,331.77
2/4/2019	22	838	1,311.72
2/4/2019	23	839	1,234.92
2/4/2019	24	840	1,250.97
2/5/2019	1	841	1,194.83
2/5/2019	2	842	1,155.07
2/5/2019	3	843	1,153.62
2/5/2019	4	844	1,215.93
2/5/2019	5	845	1,206.52
2/5/2019	6	846	1,332.16
2/5/2019	7	847	1,475.79
2/5/2019	8	848	1,412.92
2/5/2019	9	849	1,467.33
2/5/2019	10	850	1,495.58
2/5/2019	11	851	1,469.80
2/5/2019	12	852	1,444.26
2/5/2019	13	853	1,472.89
2/5/2019	14	854	1,458.34
2/5/2019	15	855	1,390.82
2/5/2019	16	856	1,330.30
2/5/2019	17	857	1,384.13
2/5/2019	18	858	1,399.37
2/5/2019	19	859	1,436.86
2/5/2019	20	860	1,409.72
2/5/2019	21	861	1,392.61
2/5/2019	22	862	1,339.39
2/5/2019	23	863	1,199.55
2/5/2019	24	864	1,150.34
2/6/2019	1	865	1,137.03
2/6/2019	2	866	1,154.84
2/6/2019	3	867	1,173.96
2/6/2019	4	868	1,195.54
2/6/2019	5	869	1,247.88
2/6/2019	6	870	1,254.32
2/6/2019	7	871	1,396.51
2/6/2019	8	872	1,486.14
2/6/2019	9	873	1,484.97
2/6/2019	10	874	1,517.58

2/6/2019	11	875	1,470.09
2/6/2019	12	876	1,438.67
2/6/2019	13	877	1,442.68
2/6/2019	14	878	1,440.54
2/6/2019	15	879	1,389.32
2/6/2019	16	880	1,400.07
2/6/2019	17	881	1,399.80
2/6/2019	18	882	1,401.55
2/6/2019	19	883	1,360.91
2/6/2019	20	884	1,415.93
2/6/2019	21	885	1,385.37
2/6/2019	22	886	1,300.29
2/6/2019	23	887	1,223.31
2/6/2019	24	888	1,205.86
2/7/2019	1	889	1,187.31
2/7/2019	2	890	1,144.32
2/7/2019	3	891	1,131.66
2/7/2019	4	892	1,162.99
2/7/2019	5	893	1,263.41
2/7/2019	6	894	1,334.84
2/7/2019	7	895	1,470.30
2/7/2019	8	896	1,460.65
2/7/2019	9	897	1,456.60
2/7/2019	10	898	1,480.82
2/7/2019	11	899	1,488.45
2/7/2019	12	900	1,453.95
2/7/2019	13	901	1,460.27
2/7/2019	14	902	1,429.73
2/7/2019	15	903	1,400.94
2/7/2019	16	904	1,411.44
2/7/2019	17	905	1,372.33
2/7/2019	18	906	1,391.51
2/7/2019	19	907	1,412.82
2/7/2019	20	908	1,457.54
2/7/2019	21	909	1,429.10
2/7/2019	22	910	1,405.68
2/7/2019	23	911	1,321.92
2/7/2019	24	912	1,422.97
2/8/2019	1	913	1,292.83
2/8/2019	2	914	1,279.75
2/8/2019	3	915	1,272.39
2/8/2019	4	916	1,229.87
2/8/2019	5	917	1,390.07
2/8/2019	6	918	1,438.52
2/8/2019	7	919	1,492.56
2/8/2019	8	920	1,504.04
2/8/2019	9	921	1,542.47
2/8/2019	10	922	1,561.62
2/8/2019	11	923	1,547.27
2/8/2019	12	924	1,522.80
2/8/2019	13	925	1,543.05
2/8/2019	14	926	1,453.07
2/8/2019	15	927	1,366.09
2/8/2019	16	928	1,393.52
2/8/2019	17	929	1,412.68
2/8/2019	18	930	1,469.34
2/8/2019	19	931	1,498.79
2/8/2019	20	932	1,455.66
2/8/2019	21	933	1,446.94
2/8/2019	22	934	1,409.28
2/8/2019	23	935	1,314.62
2/8/2019	24	936	1,296.26
2/9/2019	1	937	1,247.43

2/9/2019	2	938	1,193.41
2/9/2019	3	939	1,194.05
2/9/2019	4	940	1,218.89
2/9/2019	5	941	1,216.73
2/9/2019	6	942	1,251.69
2/9/2019	7	943	1,293.86
2/9/2019	8	944	1,324.08
2/9/2019	9	945	1,323.39
2/9/2019	10	946	1,302.73
2/9/2019	11	947	1,336.29
2/9/2019	12	948	1,239.64
2/9/2019	13	949	1,297.40
2/9/2019	14	950	1,160.47
2/9/2019	15	951	1,241.06
2/9/2019	16	952	1,228.31
2/9/2019	17	953	1,289.39
2/9/2019	18	954	1,295.24
2/9/2019	19	955	1,279.73
2/9/2019	20	956	1,364.62
2/9/2019	21	957	1,330.73
2/9/2019	22	958	1,243.47
2/9/2019	23	959	1,210.09
2/9/2019	24	960	1,158.64
2/10/2019	1	961	1,143.79
2/10/2019	2	962	1,121.83
2/10/2019	3	963	1,115.04
2/10/2019	4	964	1,102.75
2/10/2019	5	965	1,142.26
2/10/2019	6	966	1,104.61
2/10/2019	7	967	1,119.64
2/10/2019	8	968	1,146.89
2/10/2019	9	969	1,176.59
2/10/2019	10	970	1,228.81
2/10/2019	11	971	1,198.21
2/10/2019	12	972	1,164.73
2/10/2019	13	973	1,213.43
2/10/2019	14	974	1,200.37
2/10/2019	15	975	1,268.81
2/10/2019	16	976	1,241.11
2/10/2019	17	977	1,287.69
2/10/2019	18	978	1,285.01
2/10/2019	19	979	1,297.88
2/10/2019	20	980	1,324.07
2/10/2019	21	981	1,296.52
2/10/2019	22	982	1,226.54
2/10/2019	23	983	1,239.58
2/10/2019	24	984	1,132.69
2/11/2019	1	985	1,151.78
2/11/2019	2	986	1,092.49
2/11/2019	3	987	1,127.32
2/11/2019	4	988	1,164.77
2/11/2019	5	989	1,276.57
2/11/2019	6	990	1,309.01
2/11/2019	7	991	1,400.51
2/11/2019	8	992	1,400.87
2/11/2019	9	993	1,479.66
2/11/2019	10	994	1,491.51
2/11/2019	11	995	1,484.75
2/11/2019	12	996	1,532.25
2/11/2019	13	997	1,503.41
2/11/2019	14	998	1,466.90
2/11/2019	15	999	1,360.82
2/11/2019	16	1000	1,395.19

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2/11/2019	18	1002	1,461.85
2/11/2019	19	1003	1,418.72
2/11/2019	20	1004	1,385.49
2/11/2019	21	1005	1,457.45
2/11/2019	22	1006	1,392.02
2/11/2019	23	1007	1,277.78
2/11/2019	24	1008	1,157.13
2/12/2019	1	1009	1,229.61
2/12/2019	2	1010	1,219.39
2/12/2019	3	1011	1,243.12
2/12/2019	4	1012	1,206.25
2/12/2019	5	1013	1,348.24
2/12/2019	6	1014	1,380.18
2/12/2019	7	1015	1,435.70
2/12/2019	8	1016	1,445.24
2/12/2019	9	1017	1,455.26
2/12/2019	10	1018	1,498.60
2/12/2019	11	1019	1,487.95
2/12/2019	12	1020	1,511.40
2/12/2019	13	1021	1,451.28
2/12/2019	14	1022	1,450.78
2/12/2019	15	1023	1,458.21
2/12/2019	16	1024	1,483.12
2/12/2019	17	1025	1,430.26
2/12/2019	18	1026	1,521.63
2/12/2019	19	1027	1,517.64
2/12/2019	20	1028	1,451.75
2/12/2019	21	1029	1,487.55
2/12/2019	22	1030	1,378.28
2/12/2019	23	1031	1,334.24
2/12/2019	24	1032	1,360.16
2/13/2019	1	1033	1,289.32
2/13/2019	2	1034	1,215.48
2/13/2019	3	1035	1,283.50
2/13/2019	4	1036	1,295.70
2/13/2019	5	1037	1,341.11
2/13/2019	6	1038	1,444.33
2/13/2019	7	1039	1,566.58
2/13/2019	8	1040	1,521.41
2/13/2019	9	1041	1,548.28
2/13/2019	10	1042	1,596.41
2/13/2019	11	1043	1,575.50
2/13/2019	12	1044	1,552.41
2/13/2019	13	1045	1,543.23
2/13/2019	14	1046	1,479.75
2/13/2019	15	1047	1,452.24
2/13/2019	16	1048	1,363.78
2/13/2019	17	1049	1,413.78
2/13/2019	18	1050	1,523.09
2/13/2019	19	1051	1,502.93
2/13/2019	20	1052	1,410.76
2/13/2019	21	1053	1,408.63
2/13/2019	22	1054	1,429.62
2/13/2019	23	1055	1,285.01
2/13/2019	24	1056	1,244.72
2/14/2019	1	1057	1,201.86
2/14/2019	2	1058	1,247.06
2/14/2019	3	1059	1,248.23
2/14/2019	4	1060	1,257.48
2/14/2019	5	1061	1,290.57
2/14/2019	6	1062	1,398.32
2/14/2019	7	1063	1,429.98

2/14/2019	8	1064	1,464.72
2/14/2019	9	1065	1,432.28
2/14/2019	10	1066	1,408.34
2/14/2019	11	1067	1,438.32
2/14/2019	12	1068	1,359.85
2/14/2019	13	1069	1,391.40
2/14/2019	14	1070	1,381.93
2/14/2019	15	1071	1,360.99
2/14/2019	16	1072	1,324.97
2/14/2019	17	1073	1,324.79
2/14/2019	18	1074	1,347.71
2/14/2019	19	1075	1,385.43
2/14/2019	20	1076	1,401.56
2/14/2019	21	1077	1,302.70
2/14/2019	22	1078	1,270.76
2/14/2019	23	1079	1,186.82
2/14/2019	24	1080	1,164.61
2/15/2019	1	1081	1,203.40
2/15/2019	2	1082	1,187.07
2/15/2019	3	1083	1,127.52
2/15/2019	4	1084	1,190.91
2/15/2019	5	1085	1,316.63
2/15/2019	6	1086	1,346.62
2/15/2019	7	1087	1,427.35
2/15/2019	8	1088	1,499.29
2/15/2019	9	1089	1,489.41
2/15/2019	10	1090	1,516.52
2/15/2019	11	1091	1,490.07
2/15/2019	12	1092	1,458.39
2/15/2019	13	1093	1,447.70
2/15/2019	14	1094	1,392.58
2/15/2019	15	1095	1,353.85
2/15/2019	16	1096	1,351.02
2/15/2019	17	1097	1,373.20
2/15/2019	18	1098	1,421.36
2/15/2019	19	1099	1,369.69
2/15/2019	20	1100	1,395.57
2/15/2019	21	1101	1,382.04
2/15/2019	22	1102	1,351.56
2/15/2019	23	1103	1,286.35
2/15/2019	24	1104	1,347.36
2/16/2019	1	1105	1,173.07
2/16/2019	2	1106	1,168.24
2/16/2019	3	1107	1,158.89
2/16/2019	4	1108	1,120.84
2/16/2019	5	1109	1,158.78
2/16/2019	6	1110	1,149.96
2/16/2019	7	1111	1,251.71
2/16/2019	8	1112	1,199.62
2/16/2019	9	1113	1,267.97
2/16/2019	10	1114	1,268.70
2/16/2019	11	1115	1,274.56
2/16/2019	12	1116	1,263.75
2/16/2019	13	1117	1,290.18
2/16/2019	14	1118	1,176.89
2/16/2019	15	1119	1,265.55
2/16/2019	16	1120	1,241.08
2/16/2019	17	1121	1,221.41
2/16/2019	18	1122	1,275.47
2/16/2019	19	1123	1,323.42
2/16/2019	20	1124	1,241.37
2/16/2019	21	1125	1,275.79
2/16/2019	22	1126	1,213.49

2/16/2019	23	1127	1,208.98
2/16/2019	24	1128	1,144.60
2/17/2019	1	1129	1,090.23
2/17/2019	2	1130	1,165.73
2/17/2019	3	1131	1,118.52
2/17/2019	4	1132	1,095.00
2/17/2019	5	1133	1,078.27
2/17/2019	6	1134	1,161.07
2/17/2019	7	1135	1,174.22
2/17/2019	8	1136	1,148.31
2/17/2019	9	1137	1,226.06
2/17/2019	10	1138	1,212.77
2/17/2019	11	1139	1,175.57
2/17/2019	12	1140	1,177.75
2/17/2019	13	1141	1,243.73
2/17/2019	14	1142	1,252.17
2/17/2019	15	1143	1,245.99
2/17/2019	16	1144	1,220.97
2/17/2019	17	1145	1,255.62
2/17/2019	18	1146	1,389.18
2/17/2019	19	1147	1,347.97
2/17/2019	20	1148	1,303.06
2/17/2019	21	1149	1,283.17
2/17/2019	22	1150	1,312.76
2/17/2019	23	1151	1,255.07
2/17/2019	24	1152	1,171.65
2/18/2019	1	1153	1,205.55
2/18/2019	2	1154	1,198.69
2/18/2019	3	1155	1,199.34
2/18/2019	4	1156	1,263.00
2/18/2019	5	1157	1,269.81
2/18/2019	6	1158	1,397.95
2/18/2019	7	1159	1,465.96
2/18/2019	8	1160	1,493.52
2/18/2019	9	1161	1,523.78
2/18/2019	10	1162	1,543.58
2/18/2019	11	1163	1,567.12
2/18/2019	12	1164	1,517.59
2/18/2019	13	1165	1,508.65
2/18/2019	14	1166	1,497.35
2/18/2019	15	1167	1,429.59
2/18/2019	16	1168	1,443.79
2/18/2019	17	1169	1,386.28
2/18/2019	18	1170	1,465.02
2/18/2019	19	1171	1,432.59
2/18/2019	20	1172	1,468.89
2/18/2019	21	1173	1,426.82
2/18/2019	22	1174	1,341.98
2/18/2019	23	1175	1,299.75
2/18/2019	24	1176	1,271.41
2/19/2019	1	1177	1,222.59
2/19/2019	2	1178	1,262.72
2/19/2019	3	1179	1,235.91
2/19/2019	4	1180	1,273.21
2/19/2019	5	1181	1,333.53
2/19/2019	6	1182	1,440.84
2/19/2019	7	1183	1,457.95
2/19/2019	8	1184	1,437.36
2/19/2019	9	1185	1,483.74
2/19/2019	10	1186	1,526.14
2/19/2019	11	1187	1,524.84
2/19/2019	12	1188	1,493.93
2/19/2019	13	1189	1,476.59

2/19/2019	14	1190	1,438.94
2/19/2019	15	1191	1,401.90
2/19/2019	16	1192	1,355.87
2/19/2019	17	1193	1,372.38
2/19/2019	18	1194	1,415.23
2/19/2019	19	1195	1,445.65
2/19/2019	20	1196	1,460.33
2/19/2019	21	1197	1,406.79
2/19/2019	22	1198	1,358.07
2/19/2019	23	1199	1,293.02
2/19/2019	24	1200	1,079.80
2/20/2019	1	1201	1,205.74
2/20/2019	2	1202	1,235.27
2/20/2019	3	1203	1,203.27
2/20/2019	4	1204	1,205.21
2/20/2019	5	1205	1,259.72
2/20/2019	6	1206	1,375.37
2/20/2019	7	1207	1,459.74
2/20/2019	8	1208	1,452.86
2/20/2019	9	1209	1,494.78
2/20/2019	10	1210	1,510.47
2/20/2019	11	1211	1,508.51
2/20/2019	12	1212	1,490.01
2/20/2019	13	1213	1,503.10
2/20/2019	14	1214	1,470.62
2/20/2019	15	1215	1,427.27
2/20/2019	16	1216	1,395.83
2/20/2019	17	1217	1,438.47
2/20/2019	18	1218	1,411.20
2/20/2019	19	1219	1,479.30
2/20/2019	20	1220	1,391.28
2/20/2019	21	1221	1,340.50
2/20/2019	22	1222	1,316.69
2/20/2019	23	1223	1,199.62
2/20/2019	24	1224	1,321.88
2/21/2019	1	1225	1,166.79
2/21/2019	2	1226	1,189.34
2/21/2019	3	1227	1,150.02
2/21/2019	4	1228	1,173.22
2/21/2019	5	1229	1,289.28
2/21/2019	6	1230	1,333.51
2/21/2019	7	1231	1,427.43
2/21/2019	8	1232	1,419.65
2/21/2019	9	1233	1,455.27
2/21/2019	10	1234	1,443.20
2/21/2019	11	1235	1,433.93
2/21/2019	12	1236	1,439.71
2/21/2019	13	1237	1,391.46
2/21/2019	14	1238	1,408.31
2/21/2019	15	1239	1,341.53
2/21/2019	16	1240	1,324.36
2/21/2019	17	1241	1,370.28
2/21/2019	18	1242	1,429.73
2/21/2019	19	1243	1,426.02
2/21/2019	20	1244	1,443.22
2/21/2019	21	1245	1,358.96
2/21/2019	22	1246	1,342.31
2/21/2019	23	1247	1,247.52
2/21/2019	24	1248	1,214.95
2/22/2019	1	1249	1,193.32
2/22/2019	2	1250	1,149.70
2/22/2019	3	1251	1,154.78
2/22/2019	4	1252	1,189.52

2/22/2019	5	1253	1,226.62
2/22/2019	6	1254	1,338.71
2/22/2019	7	1255	1,436.72
2/22/2019	8	1256	1,386.45
2/22/2019	9	1257	1,447.55
2/22/2019	10	1258	1,449.51
2/22/2019	11	1259	1,388.24
2/22/2019	12	1260	1,312.62
2/22/2019	13	1261	1,387.03
2/22/2019	14	1262	1,294.10
2/22/2019	15	1263	1,224.74
2/22/2019	16	1264	1,219.08
2/22/2019	17	1265	1,226.08
2/22/2019	18	1266	1,299.63
2/22/2019	19	1267	1,334.44
2/22/2019	20	1268	1,333.00
2/22/2019	21	1269	1,277.11
2/22/2019	22	1270	1,257.78
2/22/2019	23	1271	1,133.00
2/22/2019	24	1272	1,089.87
2/23/2019	1	1273	1,072.86
2/23/2019	2	1274	1,071.87
2/23/2019	3	1275	1,025.62
2/23/2019	4	1276	1,055.17
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2/23/2019	8	1280	1,169.55
2/23/2019	9	1281	1,260.93
2/23/2019	10	1282	1,202.26
2/23/2019	11	1283	1,231.74
2/23/2019	12	1284	1,189.88
2/23/2019	13	1285	1,225.92
2/23/2019	14	1286	1,154.34
2/23/2019	15	1287	1,150.36
2/23/2019	16	1288	1,167.13
2/23/2019	17	1289	1,201.62
2/23/2019	18	1290	1,249.94
2/23/2019	19	1291	1,210.03
2/23/2019	20	1292	1,200.35
2/23/2019	21	1293	1,154.62
2/23/2019	22	1294	1,195.10
2/23/2019	23	1295	1,059.15
2/23/2019	24	1296	1,051.71
2/24/2019	1	1297	995.70
2/24/2019	2	1298	986.05
2/24/2019	3	1299	1,013.61
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2/24/2019	5	1301	927.74
2/24/2019	6	1302	1,008.96
2/24/2019	7	1303	1,084.78
2/24/2019	8	1304	1,091.11
2/24/2019	9	1305	1,095.51
2/24/2019	10	1306	1,191.57
2/24/2019	11	1307	1,157.37
2/24/2019	12	1308	1,202.85
2/24/2019	13	1309	1,198.48
2/24/2019	14	1310	1,162.48
2/24/2019	15	1311	1,155.78
2/24/2019	16	1312	1,233.84
2/24/2019	17	1313	1,243.40
2/24/2019	18	1314	1,285.30
2/24/2019	19	1315	1,342.46

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2/24/2019	21	1317	1,328.16
2/24/2019	22	1318	1,272.19
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2/24/2019	24	1320	1,245.05
2/25/2019	1	1321	1,168.97
2/25/2019	2	1322	1,213.61
2/25/2019	3	1323	1,183.06
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2/25/2019	5	1325	1,323.85
2/25/2019	6	1326	1,396.42
2/25/2019	7	1327	1,462.63
2/25/2019	8	1328	1,478.76
2/25/2019	9	1329	1,489.77
2/25/2019	10	1330	1,566.06
2/25/2019	11	1331	1,579.77
2/25/2019	12	1332	1,498.61
2/25/2019	13	1333	1,514.75
2/25/2019	14	1334	1,448.17
2/25/2019	15	1335	1,404.84
2/25/2019	16	1336	1,354.26
2/25/2019	17	1337	1,384.52
2/25/2019	18	1338	1,498.78
2/25/2019	19	1339	1,501.66
2/25/2019	20	1340	1,432.12
2/25/2019	21	1341	1,480.28
2/25/2019	22	1342	1,337.26
2/25/2019	23	1343	1,320.77
2/25/2019	24	1344	1,190.26
2/26/2019	1	1345	1,251.43
2/26/2019	2	1346	1,159.68
2/26/2019	3	1347	1,180.78
2/26/2019	4	1348	1,217.98
2/26/2019	5	1349	1,295.86
2/26/2019	6	1350	1,386.45
2/26/2019	7	1351	1,488.88
2/26/2019	8	1352	1,495.55
2/26/2019	9	1353	1,535.90
2/26/2019	10	1354	1,518.09
2/26/2019	11	1355	1,541.08
2/26/2019	12	1356	1,548.75
2/26/2019	13	1357	1,481.67
2/26/2019	14	1358	1,411.84
2/26/2019	15	1359	1,421.72
2/26/2019	16	1360	1,407.90
2/26/2019	17	1361	1,407.82
2/26/2019	18	1362	1,432.36
2/26/2019	19	1363	1,455.65
2/26/2019	20	1364	1,493.87
2/26/2019	21	1365	1,420.00
2/26/2019	22	1366	1,353.36
2/26/2019	23	1367	1,250.52
2/26/2019	24	1368	1,133.37
2/27/2019	1	1369	1,224.81
2/27/2019	2	1370	1,194.19
2/27/2019	3	1371	1,153.31
2/27/2019	4	1372	1,224.30
2/27/2019	5	1373	1,304.75
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2/27/2019	7	1375	1,433.30
2/27/2019	8	1376	1,511.00
2/27/2019	9	1377	1,535.54
2/27/2019	10	1378	1,460.97

2/27/2019	11	1379	1,495.71
2/27/2019	12	1380	1,500.70
2/27/2019	13	1381	1,477.74
2/27/2019	14	1382	1,433.59
2/27/2019	15	1383	1,387.09
2/27/2019	16	1384	1,369.77
2/27/2019	17	1385	1,370.70
2/27/2019	18	1386	1,416.78
2/27/2019	19	1387	1,412.69
2/27/2019	20	1388	1,436.55
2/27/2019	21	1389	1,358.70
2/27/2019	22	1390	1,375.02
2/27/2019	23	1391	1,283.43
2/27/2019	24	1392	1,281.97
2/28/2019	1	1393	1,218.45
2/28/2019	2	1394	1,193.27
2/28/2019	3	1395	1,203.96
2/28/2019	4	1396	1,222.06
2/28/2019	5	1397	1,252.08
2/28/2019	6	1398	1,424.00
2/28/2019	7	1399	1,427.36
2/28/2019	8	1400	1,473.13
2/28/2019	9	1401	1,467.01
2/28/2019	10	1402	1,500.87
2/28/2019	11	1403	1,498.44
2/28/2019	12	1404	1,480.97
2/28/2019	13	1405	1,447.50
2/28/2019	14	1406	1,419.23
2/28/2019	15	1407	1,395.28
2/28/2019	16	1408	1,408.67
2/28/2019	17	1409	1,374.18
2/28/2019	18	1410	1,430.13
2/28/2019	19	1411	1,438.79
2/28/2019	20	1412	1,426.90
2/28/2019	21	1413	1,395.92
2/28/2019	22	1414	1,371.73
2/28/2019	23	1415	1,287.38
2/28/2019	24	1416	1,193.40
3/1/2019	1	1417	1,196.61
3/1/2019	2	1418	1,178.50
3/1/2019	3	1419	1,172.81
3/1/2019	4	1420	1,220.42
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3/1/2019	6	1422	1,348.78
3/1/2019	7	1423	1,446.48
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3/1/2019	11	1427	1,462.89
3/1/2019	12	1428	1,403.66
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3/1/2019	14	1430	1,348.00
3/1/2019	15	1431	1,262.66
3/1/2019	16	1432	1,298.81
3/1/2019	17	1433	1,233.31
3/1/2019	18	1434	1,347.12
3/1/2019	19	1435	1,282.22
3/1/2019	20	1436	1,351.73
3/1/2019	21	1437	1,307.26
3/1/2019	22	1438	1,206.49
3/1/2019	23	1439	1,216.51
3/1/2019	24	1440	1,531.05
3/2/2019	1	1441	1,136.00

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3/2/2019	3	1443	1,081.13
3/2/2019	4	1444	1,065.08
3/2/2019	5	1445	1,129.59
3/2/2019	6	1446	1,126.64
3/2/2019	7	1447	1,155.77
3/2/2019	8	1448	1,236.17
3/2/2019	9	1449	1,261.77
3/2/2019	10	1450	1,265.38
3/2/2019	11	1451	1,239.50
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3/2/2019	13	1453	1,244.12
3/2/2019	14	1454	1,206.49
3/2/2019	15	1455	1,177.86
3/2/2019	16	1456	1,207.33
3/2/2019	17	1457	1,192.79
3/2/2019	18	1458	1,235.14
3/2/2019	19	1459	1,284.50
3/2/2019	20	1460	1,236.92
3/2/2019	21	1461	1,217.17
3/2/2019	22	1462	1,159.48
3/2/2019	23	1463	1,135.40
3/2/2019	24	1464	1,084.46
3/3/2019	1	1465	1,127.28
3/3/2019	2	1466	1,074.18
3/3/2019	3	1467	1,075.79
3/3/2019	4	1468	1,088.59
3/3/2019	5	1469	1,088.99
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3/3/2019	7	1471	1,090.11
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3/3/2019	11	1475	1,190.05
3/3/2019	12	1476	1,223.68
3/3/2019	13	1477	1,153.09
3/3/2019	14	1478	1,230.55
3/3/2019	15	1479	1,250.08
3/3/2019	16	1480	1,205.67
3/3/2019	17	1481	1,234.21
3/3/2019	18	1482	1,292.60
3/3/2019	19	1483	1,335.38
3/3/2019	20	1484	1,343.54
3/3/2019	21	1485	1,355.85
3/3/2019	22	1486	1,312.06
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3/3/2019	24	1488	1,216.48
3/4/2019	1	1489	1,243.94
3/4/2019	2	1490	1,238.52
3/4/2019	3	1491	1,296.35
3/4/2019	4	1492	1,312.80
3/4/2019	5	1493	1,382.60
3/4/2019	6	1494	1,488.49
3/4/2019	7	1495	1,525.06
3/4/2019	8	1496	1,560.54
3/4/2019	9	1497	1,633.86
3/4/2019	10	1498	1,607.79
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3/4/2019	14	1502	1,564.90
3/4/2019	15	1503	1,491.03
3/4/2019	16	1504	1,483.83

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3/4/2019	18	1506	1,528.29
3/4/2019	19	1507	1,579.44
3/4/2019	20	1508	1,566.53
3/4/2019	21	1509	1,556.76
3/4/2019	22	1510	1,468.24
3/4/2019	23	1511	1,371.49
3/4/2019	24	1512	1,266.81
3/5/2019	1	1513	1,345.00
3/5/2019	2	1514	1,385.97
3/5/2019	3	1515	1,357.85
3/5/2019	4	1516	1,366.82
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3/5/2019	6	1518	1,531.51
3/5/2019	7	1519	1,573.18
3/5/2019	8	1520	1,570.22
3/5/2019	9	1521	1,632.41
3/5/2019	10	1522	1,608.31
3/5/2019	11	1523	1,615.41
3/5/2019	12	1524	1,566.21
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3/5/2019	15	1527	1,492.69
3/5/2019	16	1528	1,455.19
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3/5/2019	18	1530	1,499.81
3/5/2019	19	1531	1,592.06
3/5/2019	20	1532	1,554.12
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3/5/2019	22	1534	1,447.68
3/5/2019	23	1535	1,372.69
3/5/2019	24	1536	1,414.84
3/6/2019	1	1537	1,322.95
3/6/2019	2	1538	1,245.77
3/6/2019	3	1539	1,230.13
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3/6/2019	8	1544	1,497.46
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3/6/2019	12	1548	1,512.44
3/6/2019	13	1549	1,445.71
3/6/2019	14	1550	1,454.27
3/6/2019	15	1551	1,371.28
3/6/2019	16	1552	1,406.38
3/6/2019	17	1553	1,378.69
3/6/2019	18	1554	1,374.85
3/6/2019	19	1555	1,526.84
3/6/2019	20	1556	1,426.97
3/6/2019	21	1557	1,438.82
3/6/2019	22	1558	1,309.16
3/6/2019	23	1559	1,274.49
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3/7/2019	1	1561	1,248.67
3/7/2019	2	1562	1,200.39
3/7/2019	3	1563	1,153.59
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3/7/2019	5	1565	1,304.87
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3/7/2019	14	1574	1,424.52
3/7/2019	15	1575	1,401.53
3/7/2019	16	1576	1,387.39
3/7/2019	17	1577	1,347.77
3/7/2019	18	1578	1,344.49
3/7/2019	19	1579	1,440.58
3/7/2019	20	1580	1,420.02
3/7/2019	21	1581	1,402.50
3/7/2019	22	1582	1,391.21
3/7/2019	23	1583	1,292.53
3/7/2019	24	1584	1,202.59
3/8/2019	1	1585	1,168.64
3/8/2019	2	1586	1,170.77
3/8/2019	3	1587	1,204.03
3/8/2019	4	1588	1,201.45
3/8/2019	5	1589	1,285.36
3/8/2019	6	1590	1,334.20
3/8/2019	7	1591	1,413.94
3/8/2019	8	1592	1,452.57
3/8/2019	9	1593	1,448.77
3/8/2019	10	1594	1,426.55
3/8/2019	11	1595	1,492.75
3/8/2019	12	1596	1,421.02
3/8/2019	13	1597	1,364.69
3/8/2019	14	1598	1,265.20
3/8/2019	15	1599	1,282.77
3/8/2019	16	1600	1,242.93
3/8/2019	17	1601	1,288.37
3/8/2019	18	1602	1,262.27
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3/8/2019	20	1604	1,263.36
3/8/2019	21	1605	1,354.55
3/8/2019	22	1606	1,161.61
3/8/2019	23	1607	1,209.38
3/8/2019	24	1608	1,134.24
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3/9/2019	2	1610	1,134.64
3/9/2019	3	1611	1,063.93
3/9/2019	4	1612	1,098.29
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3/9/2019	6	1614	1,153.52
3/9/2019	7	1615	1,152.52
3/9/2019	8	1616	1,195.46
3/9/2019	9	1617	1,115.76
3/9/2019	10	1618	1,159.23
3/9/2019	11	1619	1,169.01
3/9/2019	12	1620	1,176.75
3/9/2019	13	1621	1,243.54
3/9/2019	14	1622	1,185.59
3/9/2019	15	1623	1,160.98
3/9/2019	16	1624	1,184.66
3/9/2019	17	1625	1,236.88
3/9/2019	18	1626	1,244.96
3/9/2019	19	1627	1,253.67
3/9/2019	20	1628	1,211.71
3/9/2019	21	1629	1,122.85
3/9/2019	22	1630	1,157.36

3/9/2019	23	1631	1,015.85
3/9/2019	24	1632	996.77
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3/10/2019	2	1634	1,021.88
3/10/2019	3	1635	964.51
3/10/2019	4	1636	1,012.23
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3/10/2019	6	1638	1,057.12
3/10/2019	7	1639	1,088.48
3/10/2019	8	1640	1,070.14
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3/10/2019	11	1643	1,129.06
3/10/2019	12	1644	1,142.78
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3/10/2019	14	1646	1,101.38
3/10/2019	15	1647	1,154.40
3/10/2019	16	1648	1,124.70
3/10/2019	17	1649	1,152.25
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3/10/2019	19	1651	1,265.31
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3/10/2019	21	1653	1,163.51
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3/10/2019	23	1655	1,103.18
3/10/2019	24	1656	1,095.25
3/11/2019	1	1657	1,113.10
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3/11/2019	3	1659	1,139.14
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3/11/2019	5	1661	1,333.54
3/11/2019	6	1662	1,394.60
3/11/2019	7	1663	1,465.33
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3/11/2019	9	1665	1,498.89
3/11/2019	10	1666	1,478.18
3/11/2019	11	1667	1,427.07
3/11/2019	12	1668	1,394.32
3/11/2019	13	1669	1,398.58
3/11/2019	14	1670	1,284.24
3/11/2019	15	1671	1,262.36
3/11/2019	16	1672	1,232.95
3/11/2019	17	1673	1,255.24
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3/11/2019	20	1676	1,340.95
3/11/2019	21	1677	1,287.62
3/11/2019	22	1678	1,218.58
3/11/2019	23	1679	1,129.43
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3/12/2019	2	1682	1,153.51
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3/12/2019	6	1686	1,491.88
3/12/2019	7	1687	1,404.15
3/12/2019	8	1688	1,410.65
3/12/2019	9	1689	1,416.70
3/12/2019	10	1690	1,459.51
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3/12/2019	17	1697	1,186.30
3/12/2019	18	1698	1,309.05
3/12/2019	19	1699	1,324.40
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3/13/2019	8	1712	1,418.94
3/13/2019	9	1713	1,395.07
3/13/2019	10	1714	1,396.61
3/13/2019	11	1715	1,391.77
3/13/2019	12	1716	1,393.73
3/13/2019	13	1717	1,317.54
3/13/2019	14	1718	1,335.43
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3/13/2019	16	1720	1,239.56
3/13/2019	17	1721	1,245.21
3/13/2019	18	1722	1,244.87
3/13/2019	19	1723	1,301.31
3/13/2019	20	1724	1,250.56
3/13/2019	21	1725	1,201.73
3/13/2019	22	1726	1,135.35
3/13/2019	23	1727	1,096.98
3/13/2019	24	1728	1,060.42
3/14/2019	1	1729	1,071.28
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3/14/2019	6	1734	1,271.24
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3/14/2019	10	1738	1,353.56
3/14/2019	11	1739	1,376.49
3/14/2019	12	1740	1,353.79
3/14/2019	13	1741	1,294.62
3/14/2019	14	1742	1,197.84
3/14/2019	15	1743	1,252.87
3/14/2019	16	1744	1,170.28
3/14/2019	17	1745	1,165.73
3/14/2019	18	1746	1,233.27
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3/14/2019	20	1748	1,265.92
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3/14/2019	22	1750	1,105.77
3/14/2019	23	1751	1,049.26
3/14/2019	24	1752	1,002.59
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3/15/2019	7	1759	1,361.61
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3/15/2019	9	1761	1,428.24
3/15/2019	10	1762	1,401.54
3/15/2019	11	1763	1,358.57
3/15/2019	12	1764	1,351.87
3/15/2019	13	1765	1,319.80
3/15/2019	14	1766	1,286.85
3/15/2019	15	1767	1,290.17
3/15/2019	16	1768	1,256.54
3/15/2019	17	1769	1,295.75
3/15/2019	18	1770	1,237.69
3/15/2019	19	1771	1,285.38
3/15/2019	20	1772	1,284.43
3/15/2019	21	1773	1,210.49
3/15/2019	22	1774	1,147.19
3/15/2019	23	1775	1,091.45
3/15/2019	24	1776	1,104.02
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3/16/2019	6	1782	1,127.93
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3/16/2019	8	1784	1,121.55
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3/17/2019	12	1812	1,102.76
3/17/2019	13	1813	1,061.24
3/17/2019	14	1814	1,090.91
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3/17/2019	16	1816	1,091.61
3/17/2019	17	1817	1,133.67
3/17/2019	18	1818	1,138.66
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3/17/2019	22	1822	1,146.56
3/17/2019	23	1823	1,149.51
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3/18/2019	1	1825	1,032.20
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3/18/2019	3	1827	1,171.57
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3/18/2019	5	1829	1,282.97
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3/18/2019	18	1842	1,290.26
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3/19/2019	17	1865	1,228.94
3/19/2019	18	1866	1,243.72
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3/20/2019	18	1890	1,284.69
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3/27/2019	1	2041	1,144.13
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3/27/2019	3	2043	1,161.28
3/27/2019	4	2044	1,277.37
3/27/2019	5	2045	1,339.70
3/27/2019	6	2046	1,455.04
3/27/2019	7	2047	1,387.52
3/27/2019	8	2048	1,387.18
3/27/2019	9	2049	1,426.83
3/27/2019	10	2050	1,378.22
3/27/2019	11	2051	1,400.53
3/27/2019	12	2052	1,312.13
3/27/2019	13	2053	1,345.32
3/27/2019	14	2054	1,232.43
3/27/2019	15	2055	1,186.76
3/27/2019	16	2056	1,252.37
3/27/2019	17	2057	1,163.36
3/27/2019	18	2058	1,208.05
3/27/2019	19	2059	1,378.83
3/27/2019	20	2060	1,287.31
3/27/2019	21	2061	1,181.77
3/27/2019	22	2062	1,174.71
3/27/2019	23	2063	1,097.38
3/27/2019	24	2064	1,047.23
3/28/2019	1	2065	1,117.89
3/28/2019	2	2066	1,027.45
3/28/2019	3	2067	1,142.60
3/28/2019	4	2068	1,197.47
3/28/2019	5	2069	1,222.65
3/28/2019	6	2070	1,335.44
3/28/2019	7	2071	1,368.51

3/28/2019	8	2072	1,272.34
3/28/2019	9	2073	1,346.08
3/28/2019	10	2074	1,364.43
3/28/2019	11	2075	1,330.58
3/28/2019	12	2076	1,356.97
3/28/2019	13	2077	1,356.08
3/28/2019	14	2078	1,274.62
3/28/2019	15	2079	1,256.31
3/28/2019	16	2080	1,253.28
3/28/2019	17	2081	1,295.77
3/28/2019	18	2082	1,270.37
3/28/2019	19	2083	1,308.54
3/28/2019	20	2084	1,352.31
3/28/2019	21	2085	1,191.98
3/28/2019	22	2086	1,081.69
3/28/2019	23	2087	1,167.69
3/28/2019	24	2088	1,109.21
3/29/2019	1	2089	1,088.00
3/29/2019	2	2090	1,087.51
3/29/2019	3	2091	1,110.19
3/29/2019	4	2092	1,212.18
3/29/2019	5	2093	1,293.62
3/29/2019	6	2094	1,392.57
3/29/2019	7	2095	1,411.99
3/29/2019	8	2096	1,400.79
3/29/2019	9	2097	1,326.21
3/29/2019	10	2098	1,374.63
3/29/2019	11	2099	1,403.80
3/29/2019	12	2100	1,372.65
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3/29/2019	14	2102	1,284.28
3/29/2019	15	2103	1,255.80
3/29/2019	16	2104	1,194.27
3/29/2019	17	2105	1,168.91
3/29/2019	18	2106	1,192.40
3/29/2019	19	2107	1,273.13
3/29/2019	20	2108	1,194.31
3/29/2019	21	2109	1,161.48
3/29/2019	22	2110	1,143.79
3/29/2019	23	2111	1,079.00
3/29/2019	24	2112	1,141.84
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3/30/2019	3	2115	1,064.94
3/30/2019	4	2116	1,086.12
3/30/2019	5	2117	1,107.78
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3/30/2019	7	2119	1,153.70
3/30/2019	8	2120	1,237.49
3/30/2019	9	2121	1,229.43
3/30/2019	10	2122	1,222.02
3/30/2019	11	2123	1,195.01
3/30/2019	12	2124	1,195.91
3/30/2019	13	2125	1,145.23
3/30/2019	14	2126	1,093.61
3/30/2019	15	2127	1,146.77
3/30/2019	16	2128	1,149.41
3/30/2019	17	2129	1,159.76
3/30/2019	18	2130	1,165.49
3/30/2019	19	2131	1,238.98
3/30/2019	20	2132	1,199.44
3/30/2019	21	2133	1,127.09
3/30/2019	22	2134	1,127.92

3/30/2019	23	2135	1,045.25
3/30/2019	24	2136	1,026.29
3/31/2019	1	2137	1,038.23
3/31/2019	2	2138	1,057.50
3/31/2019	3	2139	1,021.72
3/31/2019	4	2140	1,002.17
3/31/2019	5	2141	1,109.59
3/31/2019	6	2142	1,077.99
3/31/2019	7	2143	1,137.25
3/31/2019	8	2144	1,107.73
3/31/2019	9	2145	1,100.78
3/31/2019	10	2146	1,150.09
3/31/2019	11	2147	1,080.77
3/31/2019	12	2148	1,149.63
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3/31/2019	14	2150	1,076.32
3/31/2019	15	2151	1,057.71
3/31/2019	16	2152	1,101.04
3/31/2019	17	2153	1,079.07
3/31/2019	18	2154	1,154.69
3/31/2019	19	2155	1,158.95
3/31/2019	20	2156	1,225.20
3/31/2019	21	2157	1,222.02
3/31/2019	22	2158	1,125.83
3/31/2019	23	2159	1,224.60
3/31/2019	24	2160	1,103.46
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4/1/2019	2	2162	1,150.34
4/1/2019	3	2163	1,138.57
4/1/2019	4	2164	1,252.10
4/1/2019	5	2165	1,337.73
4/1/2019	6	2166	1,365.27
4/1/2019	7	2167	1,419.14
4/1/2019	8	2168	1,486.02
4/1/2019	9	2169	1,447.13
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4/1/2019	11	2171	1,374.61
4/1/2019	12	2172	1,401.52
4/1/2019	13	2173	1,365.61
4/1/2019	14	2174	1,306.75
4/1/2019	15	2175	1,208.32
4/1/2019	16	2176	1,262.61
4/1/2019	17	2177	1,241.52
4/1/2019	18	2178	1,278.51
4/1/2019	19	2179	1,332.32
4/1/2019	20	2180	1,290.21
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4/1/2019	22	2182	1,194.59
4/1/2019	23	2183	1,212.21
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4/2/2019	1	2185	1,132.85
4/2/2019	2	2186	1,118.33
4/2/2019	3	2187	1,255.73
4/2/2019	4	2188	1,231.76
4/2/2019	5	2189	1,322.57
4/2/2019	6	2190	1,430.67
4/2/2019	7	2191	1,417.95
4/2/2019	8	2192	1,433.09
4/2/2019	9	2193	1,437.77
4/2/2019	10	2194	1,370.03
4/2/2019	11	2195	1,388.58
4/2/2019	12	2196	1,363.57
4/2/2019	13	2197	1,349.96

4/2/2019	14	2198	1,293.64
4/2/2019	15	2199	1,266.25
4/2/2019	16	2200	1,225.70
4/2/2019	17	2201	1,249.46
4/2/2019	18	2202	1,272.41
4/2/2019	19	2203	1,308.53
4/2/2019	20	2204	1,309.66
4/2/2019	21	2205	1,263.94
4/2/2019	22	2206	1,186.63
4/2/2019	23	2207	1,153.61
4/2/2019	24	2208	1,041.30
4/3/2019	1	2209	1,108.02
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4/3/2019	3	2211	1,202.37
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4/3/2019	5	2213	1,319.46
4/3/2019	6	2214	1,353.69
4/3/2019	7	2215	1,416.00
4/3/2019	8	2216	1,382.93
4/3/2019	9	2217	1,417.04
4/3/2019	10	2218	1,382.08
4/3/2019	11	2219	1,398.22
4/3/2019	12	2220	1,313.33
4/3/2019	13	2221	1,348.47
4/3/2019	14	2222	1,308.65
4/3/2019	15	2223	1,286.71
4/3/2019	16	2224	1,261.12
4/3/2019	17	2225	1,255.04
4/3/2019	18	2226	1,237.54
4/3/2019	19	2227	1,351.54
4/3/2019	20	2228	1,265.05
4/3/2019	21	2229	1,260.37
4/3/2019	22	2230	1,154.29
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4/4/2019	6	2238	1,247.39
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4/4/2019	12	2244	1,396.37
4/4/2019	13	2245	1,321.45
4/4/2019	14	2246	1,286.83
4/4/2019	15	2247	1,319.37
4/4/2019	16	2248	1,293.05
4/4/2019	17	2249	1,233.40
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4/4/2019	19	2251	1,323.98
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4/4/2019	21	2253	1,323.16
4/4/2019	22	2254	1,168.22
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4/5/2019	8	2264	1,387.98
4/5/2019	9	2265	1,376.35
4/5/2019	10	2266	1,379.04
4/5/2019	11	2267	1,306.31
4/5/2019	12	2268	1,323.14
4/5/2019	13	2269	1,288.57
4/5/2019	14	2270	1,192.25
4/5/2019	15	2271	1,214.79
4/5/2019	16	2272	1,159.75
4/5/2019	17	2273	1,157.30
4/5/2019	18	2274	1,189.01
4/5/2019	19	2275	1,231.94
4/5/2019	20	2276	1,105.70
4/5/2019	21	2277	1,067.18
4/5/2019	22	2278	992.32
4/5/2019	23	2279	921.59
4/5/2019	24	2280	984.14
4/6/2019	1	2281	943.13
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4/6/2019	3	2283	973.95
4/6/2019	4	2284	1,010.88
4/6/2019	5	2285	1,061.74
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4/6/2019	7	2287	1,072.79
4/6/2019	8	2288	1,058.49
4/6/2019	9	2289	1,139.93
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4/6/2019	11	2291	1,092.21
4/6/2019	12	2292	1,060.30
4/6/2019	13	2293	1,083.58
4/6/2019	14	2294	1,009.24
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4/6/2019	23	2303	1,051.46
4/6/2019	24	2304	887.18
4/7/2019	1	2305	894.23
4/7/2019	2	2306	931.28
4/7/2019	3	2307	960.15
4/7/2019	4	2308	919.93
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4/8/2019	5	2333	1,185.95
4/8/2019	6	2334	1,249.95
4/8/2019	7	2335	1,293.48
4/8/2019	8	2336	1,303.17
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4/8/2019	15	2343	1,286.78
4/8/2019	16	2344	1,265.27
4/8/2019	17	2345	1,150.91
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4/8/2019	21	2349	1,185.80
4/8/2019	22	2350	1,149.22
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4/8/2019	24	2352	1,100.37
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4/9/2019	3	2355	983.12
4/9/2019	4	2356	1,128.69
4/9/2019	5	2357	1,182.08
4/9/2019	6	2358	1,310.71
4/9/2019	7	2359	1,288.25
4/9/2019	8	2360	1,330.31
4/9/2019	9	2361	1,362.74
4/9/2019	10	2362	1,359.83
4/9/2019	11	2363	1,355.91
4/9/2019	12	2364	1,375.31
4/9/2019	13	2365	1,295.24
4/9/2019	14	2366	1,285.02
4/9/2019	15	2367	1,243.32
4/9/2019	16	2368	1,211.43
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4/9/2019	18	2370	1,226.49
4/9/2019	19	2371	1,237.92
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4/9/2019	21	2373	1,222.98
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4/11/2019	7	2407	1,396.93
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4/11/2019	11	2411	1,378.63
4/11/2019	12	2412	1,351.50
4/11/2019	13	2413	1,327.77
4/11/2019	14	2414	1,272.65
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4/13/2019	11	2459	1,094.91
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4/14/2019	12	2484	1,157.49
4/14/2019	13	2485	1,122.23
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4/14/2019	24	2496	1,091.17
4/15/2019	1	2497	1,141.72
4/15/2019	2	2498	1,108.89
4/15/2019	3	2499	1,116.68
4/15/2019	4	2500	1,251.96
4/15/2019	5	2501	1,352.47
4/15/2019	6	2502	1,376.72
4/15/2019	7	2503	1,463.29
4/15/2019	8	2504	1,423.70
4/15/2019	9	2505	1,402.00
4/15/2019	10	2506	1,436.30
4/15/2019	11	2507	1,421.50
4/15/2019	12	2508	1,426.90
4/15/2019	13	2509	1,337.99
4/15/2019	14	2510	1,343.26
4/15/2019	15	2511	1,299.62
4/15/2019	16	2512	1,269.70

4/15/2019	17	2513	1,233.59
4/15/2019	18	2514	1,270.02
4/15/2019	19	2515	1,315.73
4/15/2019	20	2516	1,331.04
4/15/2019	21	2517	1,275.43
4/15/2019	22	2518	1,212.29
4/15/2019	23	2519	1,162.71
4/15/2019	24	2520	1,110.82
4/16/2019	1	2521	1,062.19
4/16/2019	2	2522	1,078.34
4/16/2019	3	2523	1,138.79
4/16/2019	4	2524	1,212.09
4/16/2019	5	2525	1,313.20
4/16/2019	6	2526	1,377.90
4/16/2019	7	2527	1,340.92
4/16/2019	8	2528	1,420.19
4/16/2019	9	2529	1,454.44
4/16/2019	10	2530	1,419.74
4/16/2019	11	2531	1,429.27
4/16/2019	12	2532	1,434.39
4/16/2019	13	2533	1,363.43
4/16/2019	14	2534	1,323.72
4/16/2019	15	2535	1,229.91
4/16/2019	16	2536	1,211.46
4/16/2019	17	2537	1,242.96
4/16/2019	18	2538	1,250.48
4/16/2019	19	2539	1,263.85
4/16/2019	20	2540	1,278.31
4/16/2019	21	2541	1,196.29
4/16/2019	22	2542	1,151.79
4/16/2019	23	2543	1,085.73
4/16/2019	24	2544	996.03
4/17/2019	1	2545	1,025.72
4/17/2019	2	2546	1,040.96
4/17/2019	3	2547	1,046.23
4/17/2019	4	2548	1,156.15
4/17/2019	5	2549	1,212.65
4/17/2019	6	2550	1,271.75
4/17/2019	7	2551	1,342.34
4/17/2019	8	2552	1,349.74
4/17/2019	9	2553	1,355.61
4/17/2019	10	2554	1,393.59
4/17/2019	11	2555	1,369.44
4/17/2019	12	2556	1,357.36
4/17/2019	13	2557	1,347.18
4/17/2019	14	2558	1,335.46
4/17/2019	15	2559	1,354.41
4/17/2019	16	2560	1,288.79
4/17/2019	17	2561	1,245.99
4/17/2019	18	2562	1,275.77
4/17/2019	19	2563	1,275.53
4/17/2019	20	2564	1,278.81
4/17/2019	21	2565	1,252.89
4/17/2019	22	2566	1,186.46
4/17/2019	23	2567	1,125.25
4/17/2019	24	2568	1,157.38
4/18/2019	1	2569	1,053.50
4/18/2019	2	2570	1,030.39
4/18/2019	3	2571	1,030.39
4/18/2019	4	2572	1,157.42
4/18/2019	5	2573	1,238.70
4/18/2019	6	2574	1,293.97
4/18/2019	7	2575	1,309.32

4/18/2019	8	2576	1,345.85
4/18/2019	9	2577	1,377.92
4/18/2019	10	2578	1,422.31
4/18/2019	11	2579	1,388.69
4/18/2019	12	2580	1,355.51
4/18/2019	13	2581	1,373.28
4/18/2019	14	2582	1,340.84
4/18/2019	15	2583	1,288.73
4/18/2019	16	2584	1,253.56
4/18/2019	17	2585	1,216.27
4/18/2019	18	2586	1,273.44
4/18/2019	19	2587	1,242.37
4/18/2019	20	2588	1,279.13
4/18/2019	21	2589	1,216.35
4/18/2019	22	2590	1,138.23
4/18/2019	23	2591	1,077.75
4/18/2019	24	2592	1,093.93
4/19/2019	1	2593	1,019.69
4/19/2019	2	2594	985.43
4/19/2019	3	2595	1,034.89
4/19/2019	4	2596	1,072.99
4/19/2019	5	2597	1,120.73
4/19/2019	6	2598	1,151.89
4/19/2019	7	2599	1,208.67
4/19/2019	8	2600	1,219.49
4/19/2019	9	2601	1,236.92
4/19/2019	10	2602	1,263.14
4/19/2019	11	2603	1,207.61
4/19/2019	12	2604	1,185.86
4/19/2019	13	2605	1,206.54
4/19/2019	14	2606	1,173.61
4/19/2019	15	2607	1,152.00
4/19/2019	16	2608	1,111.09
4/19/2019	17	2609	1,136.28
4/19/2019	18	2610	1,099.88
4/19/2019	19	2611	1,152.86
4/19/2019	20	2612	1,216.78
4/19/2019	21	2613	1,130.48
4/19/2019	22	2614	1,112.43
4/19/2019	23	2615	1,007.03
4/19/2019	24	2616	1,015.35
4/20/2019	1	2617	1,016.24
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4/20/2019	3	2619	922.36
4/20/2019	4	2620	1,013.56
4/20/2019	5	2621	1,022.36
4/20/2019	6	2622	1,008.46
4/20/2019	7	2623	1,078.58
4/20/2019	8	2624	1,051.10
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4/20/2019	10	2626	1,099.22
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4/20/2019	13	2629	1,031.24
4/20/2019	14	2630	1,025.34
4/20/2019	15	2631	996.93
4/20/2019	16	2632	996.07
4/20/2019	17	2633	1,043.51
4/20/2019	18	2634	1,012.26
4/20/2019	19	2635	1,071.42
4/20/2019	20	2636	1,113.26
4/20/2019	21	2637	1,096.29
4/20/2019	22	2638	983.62

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4/20/2019	24	2640	888.42
4/21/2019	1	2641	955.38
4/21/2019	2	2642	994.59
4/21/2019	3	2643	939.82
4/21/2019	4	2644	947.95
4/21/2019	5	2645	1,017.80
4/21/2019	6	2646	980.88
4/21/2019	7	2647	982.87
4/21/2019	8	2648	977.50
4/21/2019	9	2649	1,039.26
4/21/2019	10	2650	1,019.35
4/21/2019	11	2651	981.77
4/21/2019	12	2652	982.29
4/21/2019	13	2653	981.88
4/21/2019	14	2654	964.39
4/21/2019	15	2655	970.96
4/21/2019	16	2656	1,047.99
4/21/2019	17	2657	1,005.39
4/21/2019	18	2658	1,047.79
4/21/2019	19	2659	1,042.84
4/21/2019	20	2660	1,117.35
4/21/2019	21	2661	1,095.04
4/21/2019	22	2662	1,070.23
4/21/2019	23	2663	1,019.32
4/21/2019	24	2664	1,030.98
4/22/2019	1	2665	977.44
4/22/2019	2	2666	951.60
4/22/2019	3	2667	1,015.49
4/22/2019	4	2668	1,128.19
4/22/2019	5	2669	1,165.66
4/22/2019	6	2670	1,269.11
4/22/2019	7	2671	1,360.26
4/22/2019	8	2672	1,309.00
4/22/2019	9	2673	1,416.08
4/22/2019	10	2674	1,435.93
4/22/2019	11	2675	1,413.17
4/22/2019	12	2676	1,368.81
4/22/2019	13	2677	1,414.86
4/22/2019	14	2678	1,371.90
4/22/2019	15	2679	1,329.17
4/22/2019	16	2680	1,292.28
4/22/2019	17	2681	1,270.81
4/22/2019	18	2682	1,253.12
4/22/2019	19	2683	1,346.97
4/22/2019	20	2684	1,316.09
4/22/2019	21	2685	1,212.26
4/22/2019	22	2686	1,125.68
4/22/2019	23	2687	1,069.93
4/22/2019	24	2688	1,024.25
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4/23/2019	2	2690	1,043.37
4/23/2019	3	2691	1,031.62
4/23/2019	4	2692	1,155.38
4/23/2019	5	2693	1,206.16
4/23/2019	6	2694	1,303.00
4/23/2019	7	2695	1,322.16
4/23/2019	8	2696	1,371.35
4/23/2019	9	2697	1,368.24
4/23/2019	10	2698	1,410.47
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4/23/2019	12	2700	1,354.63
4/23/2019	13	2701	1,280.98

4/23/2019	14	2702	1,217.33
4/23/2019	15	2703	1,306.32
4/23/2019	16	2704	1,203.33
4/23/2019	17	2705	1,163.16
4/23/2019	18	2706	1,199.90
4/23/2019	19	2707	1,230.58
4/23/2019	20	2708	1,238.04
4/23/2019	21	2709	1,195.75
4/23/2019	22	2710	1,062.53
4/23/2019	23	2711	1,079.46
4/23/2019	24	2712	1,096.70
4/24/2019	1	2713	1,065.26
4/24/2019	2	2714	1,016.32
4/24/2019	3	2715	1,057.16
4/24/2019	4	2716	1,101.69
4/24/2019	5	2717	1,242.30
4/24/2019	6	2718	1,321.77
4/24/2019	7	2719	1,296.75
4/24/2019	8	2720	1,360.34
4/24/2019	9	2721	1,359.57
4/24/2019	10	2722	1,393.07
4/24/2019	11	2723	1,357.97
4/24/2019	12	2724	1,361.52
4/24/2019	13	2725	1,357.85
4/24/2019	14	2726	1,330.09
4/24/2019	15	2727	1,265.40
4/24/2019	16	2728	1,266.03
4/24/2019	17	2729	1,243.13
4/24/2019	18	2730	1,272.16
4/24/2019	19	2731	1,280.00
4/24/2019	20	2732	1,283.83
4/24/2019	21	2733	1,280.38
4/24/2019	22	2734	1,157.26
4/24/2019	23	2735	1,147.63
4/24/2019	24	2736	1,092.00
4/25/2019	1	2737	1,051.08
4/25/2019	2	2738	1,068.32
4/25/2019	3	2739	1,116.41
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4/25/2019	5	2741	1,255.82
4/25/2019	6	2742	1,336.50
4/25/2019	7	2743	1,326.65
4/25/2019	8	2744	1,436.12
4/25/2019	9	2745	1,422.85
4/25/2019	10	2746	1,355.69
4/25/2019	11	2747	1,406.64
4/25/2019	12	2748	1,361.89
4/25/2019	13	2749	1,340.03
4/25/2019	14	2750	1,327.00
4/25/2019	15	2751	1,304.88
4/25/2019	16	2752	1,232.76
4/25/2019	17	2753	1,241.92
4/25/2019	18	2754	1,228.79
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4/25/2019	21	2757	1,214.75
4/25/2019	22	2758	1,149.09
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4/25/2019	24	2760	1,093.85
4/26/2019	1	2761	1,041.85
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4/26/2019	3	2763	1,032.92
4/26/2019	4	2764	1,111.90

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4/26/2019	7	2767	1,221.45
4/26/2019	8	2768	1,332.25
4/26/2019	9	2769	1,385.19
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4/26/2019	11	2771	1,261.48
4/26/2019	12	2772	1,294.18
4/26/2019	13	2773	1,241.54
4/26/2019	14	2774	1,286.78
4/26/2019	15	2775	1,217.79
4/26/2019	16	2776	1,172.83
4/26/2019	17	2777	1,102.33
4/26/2019	18	2778	1,149.63
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4/26/2019	20	2780	1,219.04
4/26/2019	21	2781	1,180.51
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4/26/2019	23	2783	1,046.35
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4/27/2019	2	2786	1,015.09
4/27/2019	3	2787	919.76
4/27/2019	4	2788	937.18
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4/27/2019	6	2790	1,060.03
4/27/2019	7	2791	1,079.48
4/27/2019	8	2792	1,163.48
4/27/2019	9	2793	1,130.28
4/27/2019	10	2794	1,127.23
4/27/2019	11	2795	1,166.57
4/27/2019	12	2796	1,144.59
4/27/2019	13	2797	1,171.48
4/27/2019	14	2798	1,124.94
4/27/2019	15	2799	1,153.72
4/27/2019	16	2800	1,212.78
4/27/2019	17	2801	1,171.79
4/27/2019	18	2802	1,152.58
4/27/2019	19	2803	1,168.45
4/27/2019	20	2804	1,210.70
4/27/2019	21	2805	1,175.07
4/27/2019	22	2806	1,103.35
4/27/2019	23	2807	1,070.31
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4/28/2019	1	2809	979.61
4/28/2019	2	2810	981.18
4/28/2019	3	2811	1,003.67
4/28/2019	4	2812	995.10
4/28/2019	5	2813	987.24
4/28/2019	6	2814	1,035.43
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4/28/2019	8	2816	1,053.48
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4/28/2019	13	2821	994.75
4/28/2019	14	2822	1,032.33
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4/28/2019	16	2824	997.92
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4/28/2019	18	2826	1,119.05
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4/28/2019	24	2832	987.36
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4/29/2019	5	2837	1,236.50
4/29/2019	6	2838	1,336.73
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4/29/2019	13	2845	1,395.01
4/29/2019	14	2846	1,370.37
4/29/2019	15	2847	1,326.62
4/29/2019	16	2848	1,297.64
4/29/2019	17	2849	1,240.96
4/29/2019	18	2850	1,311.54
4/29/2019	19	2851	1,322.08
4/29/2019	20	2852	1,308.72
4/29/2019	21	2853	1,238.72
4/29/2019	22	2854	1,164.64
4/29/2019	23	2855	1,140.46
4/29/2019	24	2856	1,067.81
4/30/2019	1	2857	1,105.31
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4/30/2019	3	2859	1,165.09
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4/30/2019	5	2861	1,247.36
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4/30/2019	7	2863	1,370.61
4/30/2019	8	2864	1,388.72
4/30/2019	9	2865	1,442.27
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4/30/2019	12	2868	1,407.68
4/30/2019	13	2869	1,375.18
4/30/2019	14	2870	1,345.12
4/30/2019	15	2871	1,372.97
4/30/2019	16	2872	1,369.82
4/30/2019	17	2873	1,287.43
4/30/2019	18	2874	1,364.66
4/30/2019	19	2875	1,358.21
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4/30/2019	21	2877	1,275.56
4/30/2019	22	2878	1,233.09
4/30/2019	23	2879	1,173.78
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5/1/2019	3	2883	1,183.62
5/1/2019	4	2884	1,210.67
5/1/2019	5	2885	1,266.26
5/1/2019	6	2886	1,425.84
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5/1/2019	8	2888	1,420.44
5/1/2019	9	2889	1,463.69
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5/1/2019	13	2893	1,367.19
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5/1/2019	15	2895	1,323.47
5/1/2019	16	2896	1,309.31
5/1/2019	17	2897	1,299.73
5/1/2019	18	2898	1,260.14
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5/1/2019	21	2901	1,285.50
5/1/2019	22	2902	1,187.04
5/1/2019	23	2903	1,097.49
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5/2/2019	2	2906	1,037.17
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5/2/2019	8	2912	1,348.86
5/2/2019	9	2913	1,452.39
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5/2/2019	12	2916	1,390.56
5/2/2019	13	2917	1,337.99
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5/2/2019	15	2919	1,295.70
5/2/2019	16	2920	1,353.30
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5/2/2019	22	2926	1,114.57
5/2/2019	23	2927	1,080.52
5/2/2019	24	2928	1,123.21
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5/3/2019	3	2931	1,091.00
5/3/2019	4	2932	1,090.99
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5/3/2019	8	2936	1,193.96
5/3/2019	9	2937	1,270.85
5/3/2019	10	2938	1,388.37
5/3/2019	11	2939	1,341.62
5/3/2019	12	2940	1,369.45
5/3/2019	13	2941	1,258.16
5/3/2019	14	2942	1,274.41
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5/3/2019	16	2944	1,182.54
5/3/2019	17	2945	1,198.20
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5/3/2019	19	2947	1,146.87
5/3/2019	20	2948	1,194.53
5/3/2019	21	2949	1,216.58
5/3/2019	22	2950	1,087.70
5/3/2019	23	2951	992.28
5/3/2019	24	2952	1,036.06
5/4/2019	1	2953	980.87

5/4/2019	2	2954	980.81
5/4/2019	3	2955	924.42
5/4/2019	4	2956	967.93
5/4/2019	5	2957	1,021.85
5/4/2019	6	2958	1,053.61
5/4/2019	7	2959	1,035.04
5/4/2019	8	2960	1,159.14
5/4/2019	9	2961	1,105.93
5/4/2019	10	2962	1,104.04
5/4/2019	11	2963	1,106.75
5/4/2019	12	2964	1,062.92
5/4/2019	13	2965	1,058.45
5/4/2019	14	2966	1,008.09
5/4/2019	15	2967	1,017.76
5/4/2019	16	2968	1,013.93
5/4/2019	17	2969	1,004.63
5/4/2019	18	2970	1,038.64
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5/4/2019	22	2974	952.13
5/4/2019	23	2975	901.92
5/4/2019	24	2976	860.50
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5/5/2019	2	2978	940.86
5/5/2019	3	2979	952.80
5/5/2019	4	2980	916.13
5/5/2019	5	2981	962.31
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5/5/2019	7	2983	1,031.25
5/5/2019	8	2984	942.51
5/5/2019	9	2985	1,017.06
5/5/2019	10	2986	1,021.02
5/5/2019	11	2987	1,018.41
5/5/2019	12	2988	1,024.80
5/5/2019	13	2989	994.25
5/5/2019	14	2990	987.02
5/5/2019	15	2991	1,138.89
5/5/2019	16	2992	1,062.83
5/5/2019	17	2993	1,033.26
5/5/2019	18	2994	1,125.63
5/5/2019	19	2995	1,067.21
5/5/2019	20	2996	1,109.31
5/5/2019	21	2997	1,112.46
5/5/2019	22	2998	1,007.41
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5/6/2019	2	3002	932.20
5/6/2019	3	3003	989.10
5/6/2019	4	3004	1,098.66
5/6/2019	5	3005	1,138.40
5/6/2019	6	3006	1,266.72
5/6/2019	7	3007	1,309.58
5/6/2019	8	3008	1,405.99
5/6/2019	9	3009	1,416.69
5/6/2019	10	3010	1,395.34
5/6/2019	11	3011	1,407.83
5/6/2019	12	3012	1,407.67
5/6/2019	13	3013	1,416.16
5/6/2019	14	3014	1,289.83
5/6/2019	15	3015	1,265.76
5/6/2019	16	3016	1,231.09

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5/6/2019	19	3019	1,264.49
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5/6/2019	21	3021	1,129.82
5/6/2019	22	3022	1,108.27
5/6/2019	23	3023	1,024.78
5/6/2019	24	3024	1,013.86
5/7/2019	1	3025	1,006.28
5/7/2019	2	3026	1,027.69
5/7/2019	3	3027	1,014.28
5/7/2019	4	3028	1,095.19
5/7/2019	5	3029	1,197.67
5/7/2019	6	3030	1,269.65
5/7/2019	7	3031	1,333.60
5/7/2019	8	3032	1,419.19
5/7/2019	9	3033	1,403.12
5/7/2019	10	3034	1,457.51
5/7/2019	11	3035	1,418.58
5/7/2019	12	3036	1,481.25
5/7/2019	13	3037	1,396.89
5/7/2019	14	3038	1,306.26
5/7/2019	15	3039	1,242.20
5/7/2019	16	3040	1,230.78
5/7/2019	17	3041	1,186.42
5/7/2019	18	3042	1,263.72
5/7/2019	19	3043	1,230.80
5/7/2019	20	3044	1,248.95
5/7/2019	21	3045	1,186.30
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5/7/2019	23	3047	995.08
5/7/2019	24	3048	973.54
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5/8/2019	3	3051	1,045.57
5/8/2019	4	3052	1,094.00
5/8/2019	5	3053	1,231.14
5/8/2019	6	3054	1,235.04
5/8/2019	7	3055	1,331.66
5/8/2019	8	3056	1,367.48
5/8/2019	9	3057	1,366.91
5/8/2019	10	3058	1,374.84
5/8/2019	11	3059	1,342.41
5/8/2019	12	3060	1,357.93
5/8/2019	13	3061	1,369.29
5/8/2019	14	3062	1,234.36
5/8/2019	15	3063	1,205.59
5/8/2019	16	3064	1,246.17
5/8/2019	17	3065	1,242.26
5/8/2019	18	3066	1,169.06
5/8/2019	19	3067	1,216.35
5/8/2019	20	3068	1,271.90
5/8/2019	21	3069	1,177.74
5/8/2019	22	3070	1,109.42
5/8/2019	23	3071	1,013.44
5/8/2019	24	3072	988.33
5/9/2019	1	3073	962.53
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5/9/2019	3	3075	1,027.85
5/9/2019	4	3076	1,136.56
5/9/2019	5	3077	1,205.65
5/9/2019	6	3078	1,325.27
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5/9/2019	9	3081	1,336.93
5/9/2019	10	3082	1,428.73
5/9/2019	11	3083	1,429.93
5/9/2019	12	3084	1,364.29
5/9/2019	13	3085	1,383.54
5/9/2019	14	3086	1,326.02
5/9/2019	15	3087	1,203.61
5/9/2019	16	3088	1,219.58
5/9/2019	17	3089	1,205.39
5/9/2019	18	3090	1,222.55
5/9/2019	19	3091	1,261.25
5/9/2019	20	3092	1,164.99
5/9/2019	21	3093	1,149.17
5/9/2019	22	3094	1,111.47
5/9/2019	23	3095	986.16
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5/10/2019	3	3099	1,009.65
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5/10/2019	8	3104	1,344.36
5/10/2019	9	3105	1,286.55
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5/10/2019	16	3112	1,128.61
5/10/2019	17	3113	1,119.21
5/10/2019	18	3114	1,103.16
5/10/2019	19	3115	1,172.35
5/10/2019	20	3116	1,138.50
5/10/2019	21	3117	1,078.41
5/10/2019	22	3118	1,048.90
5/10/2019	23	3119	941.13
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5/11/2019	3	3123	984.02
5/11/2019	4	3124	948.77
5/11/2019	5	3125	1,009.96
5/11/2019	6	3126	1,013.34
5/11/2019	7	3127	1,042.91
5/11/2019	8	3128	1,124.61
5/11/2019	9	3129	1,098.32
5/11/2019	10	3130	1,046.28
5/11/2019	11	3131	1,122.75
5/11/2019	12	3132	1,106.89
5/11/2019	13	3133	1,043.89
5/11/2019	14	3134	1,024.63
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5/11/2019	16	3136	1,075.43
5/11/2019	17	3137	1,043.59
5/11/2019	18	3138	1,037.86
5/11/2019	19	3139	1,090.77
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5/11/2019	21	3141	1,030.62
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5/11/2019	24	3144	921.44
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5/12/2019	2	3146	906.87
5/12/2019	3	3147	930.07
5/12/2019	4	3148	914.23
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5/12/2019	12	3156	992.14
5/12/2019	13	3157	1,049.30
5/12/2019	14	3158	1,019.62
5/12/2019	15	3159	1,072.93
5/12/2019	16	3160	1,065.21
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5/12/2019	18	3162	1,137.79
5/12/2019	19	3163	1,145.84
5/12/2019	20	3164	1,147.07
5/12/2019	21	3165	1,130.85
5/12/2019	22	3166	972.05
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5/13/2019	6	3174	1,272.31
5/13/2019	7	3175	1,440.52
5/13/2019	8	3176	1,366.82
5/13/2019	9	3177	1,340.41
5/13/2019	10	3178	1,399.58
5/13/2019	11	3179	1,348.08
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5/13/2019	13	3181	1,287.81
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5/13/2019	15	3183	1,173.79
5/13/2019	16	3184	1,219.52
5/13/2019	17	3185	1,235.49
5/13/2019	18	3186	1,242.33
5/13/2019	19	3187	1,246.81
5/13/2019	20	3188	1,274.02
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5/14/2019	23	3215	1,020.41
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5/15/2019	4	3220	1,060.67
5/15/2019	5	3221	1,215.44
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5/15/2019	15	3231	1,313.16
5/15/2019	16	3232	1,292.29
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5/15/2019	19	3235	1,230.58
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5/16/2019	14	3254	1,396.97
5/16/2019	15	3255	1,288.07
5/16/2019	16	3256	1,290.10
5/16/2019	17	3257	1,240.77
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5/16/2019	22	3262	1,152.34
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5/17/2019	7	3271	1,305.29
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5/17/2019	10	3274	1,331.17
5/17/2019	11	3275	1,399.69
5/17/2019	12	3276	1,313.58
5/17/2019	13	3277	1,299.56
5/17/2019	14	3278	1,286.61
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5/17/2019	16	3280	1,127.28
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5/17/2019	18	3282	1,132.50
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5/18/2019	5	3293	961.37
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5/18/2019	17	3305	1,137.36
5/18/2019	18	3306	1,184.17
5/18/2019	19	3307	1,127.41
5/18/2019	20	3308	1,128.67
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5/19/2019	5	3317	962.73
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5/20/2019	6	3342	1,261.96
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5/20/2019	8	3344	1,351.41
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5/20/2019	11	3347	1,352.62
5/20/2019	12	3348	1,307.72
5/20/2019	13	3349	1,345.63
5/20/2019	14	3350	1,282.23
5/20/2019	15	3351	1,247.32
5/20/2019	16	3352	1,225.92
5/20/2019	17	3353	1,187.69
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5/20/2019	19	3355	1,216.06
5/20/2019	20	3356	1,202.38
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5/20/2019	23	3359	1,047.22
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5/22/2019	19	3403	1,403.05
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5/22/2019	22	3406	1,310.19
5/22/2019	23	3407	1,216.99
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5/23/2019	1	3409	1,143.98
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5/23/2019	3	3411	1,093.66
5/23/2019	4	3412	1,072.09
5/23/2019	5	3413	1,124.06
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5/23/2019	7	3415	1,292.09
5/23/2019	8	3416	1,309.49
5/23/2019	9	3417	1,333.34
5/23/2019	10	3418	1,445.62
5/23/2019	11	3419	1,385.71
5/23/2019	12	3420	1,483.12
5/23/2019	13	3421	1,506.02
5/23/2019	14	3422	1,468.87
5/23/2019	15	3423	1,448.35
5/23/2019	16	3424	1,442.59
5/23/2019	17	3425	1,400.01
5/23/2019	18	3426	1,406.63
5/23/2019	19	3427	1,324.10
5/23/2019	20	3428	1,353.98
5/23/2019	21	3429	1,338.44
5/23/2019	22	3430	1,186.65
5/23/2019	23	3431	1,134.00
5/23/2019	24	3432	1,004.71
5/24/2019	1	3433	1,042.95
5/24/2019	2	3434	1,046.96
5/24/2019	3	3435	1,077.72
5/24/2019	4	3436	1,066.44
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5/24/2019	6	3438	1,195.00
5/24/2019	7	3439	1,251.08
5/24/2019	8	3440	1,379.86
5/24/2019	9	3441	1,352.81
5/24/2019	10	3442	1,361.92
5/24/2019	11	3443	1,301.20
5/24/2019	12	3444	1,376.60
5/24/2019	13	3445	1,319.48
5/24/2019	14	3446	1,372.88
5/24/2019	15	3447	1,253.96
5/24/2019	16	3448	1,234.93
5/24/2019	17	3449	1,289.41
5/24/2019	18	3450	1,382.47
5/24/2019	19	3451	1,271.06
5/24/2019	20	3452	1,280.87
5/24/2019	21	3453	1,235.53
5/24/2019	22	3454	1,158.34
5/24/2019	23	3455	1,116.71
5/24/2019	24	3456	1,084.95
5/25/2019	1	3457	1,011.73

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5/25/2019	3	3459	986.98
5/25/2019	4	3460	1,035.64
5/25/2019	5	3461	1,000.04
5/25/2019	6	3462	1,060.53
5/25/2019	7	3463	1,118.55
5/25/2019	8	3464	1,167.46
5/25/2019	9	3465	1,255.15
5/25/2019	10	3466	1,337.49
5/25/2019	11	3467	1,277.84
5/25/2019	12	3468	1,363.10
5/25/2019	13	3469	1,341.42
5/25/2019	14	3470	1,363.77
5/25/2019	15	3471	1,376.37
5/25/2019	16	3472	1,450.76
5/25/2019	17	3473	1,478.26
5/25/2019	18	3474	1,414.61
5/25/2019	19	3475	1,401.54
5/25/2019	20	3476	1,351.51
5/25/2019	21	3477	1,302.95
5/25/2019	22	3478	1,276.30
5/25/2019	23	3479	1,149.74
5/25/2019	24	3480	1,011.54
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5/26/2019	6	3486	952.23
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5/26/2019	12	3492	1,174.59
5/26/2019	13	3493	1,180.61
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5/26/2019	15	3495	1,184.57
5/26/2019	16	3496	1,199.93
5/26/2019	17	3497	1,266.29
5/26/2019	18	3498	1,214.38
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5/26/2019	22	3502	1,054.98
5/26/2019	23	3503	957.61
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5/27/2019	2	3506	900.14
5/27/2019	3	3507	923.70
5/27/2019	4	3508	904.76
5/27/2019	5	3509	933.94
5/27/2019	6	3510	897.57
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5/27/2019	11	3515	1,119.15
5/27/2019	12	3516	1,204.77
5/27/2019	13	3517	1,225.10
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5/27/2019	20	3524	1,223.18
5/27/2019	21	3525	1,193.28
5/27/2019	22	3526	1,171.33
5/27/2019	23	3527	1,031.97
5/27/2019	24	3528	1,040.36
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5/28/2019	7	3535	1,405.28
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5/28/2019	11	3539	1,505.02
5/28/2019	12	3540	1,496.70
5/28/2019	13	3541	1,505.04
5/28/2019	14	3542	1,376.81
5/28/2019	15	3543	1,383.61
5/28/2019	16	3544	1,286.86
5/28/2019	17	3545	1,280.71
5/28/2019	18	3546	1,267.10
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5/28/2019	20	3548	1,260.58
5/28/2019	21	3549	1,217.97
5/28/2019	22	3550	1,148.91
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5/29/2019	2	3554	1,014.13
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5/29/2019	4	3556	1,095.92
5/29/2019	5	3557	1,180.74
5/29/2019	6	3558	1,211.69
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5/29/2019	16	3568	1,468.68
5/29/2019	17	3569	1,438.21
5/29/2019	18	3570	1,399.14
5/29/2019	19	3571	1,369.76
5/29/2019	20	3572	1,317.38
5/29/2019	21	3573	1,302.81
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5/30/2019	5	3581	1,212.86
5/30/2019	6	3582	1,244.96
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5/30/2019	11	3587	1,543.90
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5/30/2019	13	3589	1,506.89
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5/30/2019	16	3592	1,457.35
5/30/2019	17	3593	1,491.79
5/30/2019	18	3594	1,466.35
5/30/2019	19	3595	1,487.70
5/30/2019	20	3596	1,353.55
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5/30/2019	22	3598	1,179.89
5/30/2019	23	3599	1,171.17
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5/31/2019	3	3603	1,107.93
5/31/2019	4	3604	1,114.53
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5/31/2019	12	3612	1,617.48
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6/1/2019	5	3629	1,098.16
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6/1/2019	18	3642	1,379.71
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6/2/2019	3	3651	946.35
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6/2/2019	10	3658	1,079.08
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6/2/2019	13	3661	1,097.86
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6/2/2019	20	3668	1,159.01
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6/3/2019	5	3677	1,190.87
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6/5/2019	17	3737	1,760.85
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6/6/2019	16	3760	1,596.41
6/6/2019	17	3761	1,557.26
6/6/2019	18	3762	1,497.30
6/6/2019	19	3763	1,442.93
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6/7/2019	9	3777	1,483.98
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6/7/2019	11	3779	1,577.10
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6/7/2019	13	3781	1,622.45
6/7/2019	14	3782	1,620.15
6/7/2019	15	3783	1,640.08
6/7/2019	16	3784	1,616.47
6/7/2019	17	3785	1,594.74
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6/8/2019	3	3795	996.45
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6/9/2019	7	3823	898.89
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6/9/2019	17	3833	1,231.15
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6/9/2019	22	3838	1,177.97
6/9/2019	23	3839	1,139.63
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6/10/2019	1	3841	1,039.87
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6/10/2019	3	3843	1,065.88
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6/10/2019	8	3848	1,360.39
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6/10/2019	11	3851	1,408.92
6/10/2019	12	3852	1,433.15
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6/10/2019	14	3854	1,400.60
6/10/2019	15	3855	1,312.98
6/10/2019	16	3856	1,237.41
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6/10/2019	18	3858	1,251.52
6/10/2019	19	3859	1,169.28
6/10/2019	20	3860	1,157.29
6/10/2019	21	3861	1,238.04
6/10/2019	22	3862	1,171.39
6/10/2019	23	3863	1,106.11
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6/11/2019	3	3867	1,024.91
6/11/2019	4	3868	1,090.52
6/11/2019	5	3869	1,145.67
6/11/2019	6	3870	1,210.54
6/11/2019	7	3871	1,288.56
6/11/2019	8	3872	1,339.52
6/11/2019	9	3873	1,341.76
6/11/2019	10	3874	1,436.58
6/11/2019	11	3875	1,396.55
6/11/2019	12	3876	1,377.10
6/11/2019	13	3877	1,466.63
6/11/2019	14	3878	1,516.72
6/11/2019	15	3879	1,557.52
6/11/2019	16	3880	1,566.36
6/11/2019	17	3881	1,545.69
6/11/2019	18	3882	1,526.90
6/11/2019	19	3883	1,477.16
6/11/2019	20	3884	1,437.28
6/11/2019	21	3885	1,409.36
6/11/2019	22	3886	1,295.45
6/11/2019	23	3887	1,195.97
6/11/2019	24	3888	1,177.94
6/12/2019	1	3889	1,116.36
6/12/2019	2	3890	1,095.17
6/12/2019	3	3891	1,103.69
6/12/2019	4	3892	1,151.86
6/12/2019	5	3893	1,182.59
6/12/2019	6	3894	1,260.76
6/12/2019	7	3895	1,327.92
6/12/2019	8	3896	1,388.05
6/12/2019	9	3897	1,421.76
6/12/2019	10	3898	1,463.23

6/12/2019	11	3899	1,499.90
6/12/2019	12	3900	1,475.03
6/12/2019	13	3901	1,484.72
6/12/2019	14	3902	1,481.85
6/12/2019	15	3903	1,464.55
6/12/2019	16	3904	1,429.88
6/12/2019	17	3905	1,391.69
6/12/2019	18	3906	1,364.43
6/12/2019	19	3907	1,328.45
6/12/2019	20	3908	1,335.21
6/12/2019	21	3909	1,288.33
6/12/2019	22	3910	1,208.92
6/12/2019	23	3911	1,151.59
6/12/2019	24	3912	1,076.33
6/13/2019	1	3913	1,069.39
6/13/2019	2	3914	1,059.67
6/13/2019	3	3915	1,075.85
6/13/2019	4	3916	1,116.23
6/13/2019	5	3917	1,198.67
6/13/2019	6	3918	1,247.34
6/13/2019	7	3919	1,293.03
6/13/2019	8	3920	1,327.89
6/13/2019	9	3921	1,356.55
6/13/2019	10	3922	1,355.31
6/13/2019	11	3923	1,346.92
6/13/2019	12	3924	1,318.64
6/13/2019	13	3925	1,299.47
6/13/2019	14	3926	1,251.38
6/13/2019	15	3927	1,222.00
6/13/2019	16	3928	1,204.43
6/13/2019	17	3929	1,183.27
6/13/2019	18	3930	1,182.75
6/13/2019	19	3931	1,193.36
6/13/2019	20	3932	1,203.65
6/13/2019	21	3933	1,189.59
6/13/2019	22	3934	1,120.28
6/13/2019	23	3935	1,054.82
6/13/2019	24	3936	1,106.88
6/14/2019	1	3937	992.64
6/14/2019	2	3938	982.23
6/14/2019	3	3939	1,006.65
6/14/2019	4	3940	1,055.73
6/14/2019	5	3941	1,112.87
6/14/2019	6	3942	1,169.19
6/14/2019	7	3943	1,227.73
6/14/2019	8	3944	1,270.55
6/14/2019	9	3945	1,317.78
6/14/2019	10	3946	1,340.50
6/14/2019	11	3947	1,344.41
6/14/2019	12	3948	1,343.69
6/14/2019	13	3949	1,351.76
6/14/2019	14	3950	1,341.57
6/14/2019	15	3951	1,331.62
6/14/2019	16	3952	1,329.69
6/14/2019	17	3953	1,326.41
6/14/2019	18	3954	1,285.78
6/14/2019	19	3955	1,239.61
6/14/2019	20	3956	1,249.07
6/14/2019	21	3957	1,223.50
6/14/2019	22	3958	1,137.09
6/14/2019	23	3959	1,066.75
6/14/2019	24	3960	1,055.64
6/15/2019	1	3961	977.26

6/15/2019	2	3962	963.49
6/15/2019	3	3963	953.28
6/15/2019	4	3964	967.79
6/15/2019	5	3965	983.25
6/15/2019	6	3966	993.92
6/15/2019	7	3967	1,047.76
6/15/2019	8	3968	1,091.32
6/15/2019	9	3969	1,128.31
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6/15/2019	11	3971	1,188.39
6/15/2019	12	3972	1,193.06
6/15/2019	13	3973	1,172.18
6/15/2019	14	3974	1,164.04
6/15/2019	15	3975	1,157.92
6/15/2019	16	3976	1,153.30
6/15/2019	17	3977	1,144.23
6/15/2019	18	3978	1,154.42
6/15/2019	19	3979	1,164.83
6/15/2019	20	3980	1,183.20
6/15/2019	21	3981	1,165.27
6/15/2019	22	3982	1,105.95
6/15/2019	23	3983	1,035.75
6/15/2019	24	3984	927.60
6/16/2019	1	3985	1,016.32
6/16/2019	2	3986	995.29
6/16/2019	3	3987	979.46
6/16/2019	4	3988	966.24
6/16/2019	5	3989	951.82
6/16/2019	6	3990	969.75
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6/16/2019	8	3992	1,040.36
6/16/2019	9	3993	1,079.59
6/16/2019	10	3994	1,111.70
6/16/2019	11	3995	1,135.32
6/16/2019	12	3996	1,145.98
6/16/2019	13	3997	1,169.34
6/16/2019	14	3998	1,148.93
6/16/2019	15	3999	1,167.42
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6/16/2019	17	4001	1,154.31
6/16/2019	18	4002	1,143.91
6/16/2019	19	4003	1,132.73
6/16/2019	20	4004	1,157.77
6/16/2019	21	4005	1,142.10
6/16/2019	22	4006	1,104.05
6/16/2019	23	4007	1,050.34
6/16/2019	24	4008	990.31
6/17/2019	1	4009	1,000.21
6/17/2019	2	4010	999.31
6/17/2019	3	4011	1,018.23
6/17/2019	4	4012	1,086.67
6/17/2019	5	4013	1,160.68
6/17/2019	6	4014	1,233.04
6/17/2019	7	4015	1,302.78
6/17/2019	8	4016	1,350.04
6/17/2019	9	4017	1,391.83
6/17/2019	10	4018	1,405.68
6/17/2019	11	4019	1,418.31
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6/17/2019	13	4021	1,426.74
6/17/2019	14	4022	1,402.13
6/17/2019	15	4023	1,372.82
6/17/2019	16	4024	1,339.77

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6/17/2019	18	4026	1,290.64
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6/17/2019	20	4028	1,284.80
6/17/2019	21	4029	1,266.55
6/17/2019	22	4030	1,190.63
6/17/2019	23	4031	1,122.48
6/17/2019	24	4032	1,015.60
6/18/2019	1	4033	1,066.77
6/18/2019	2	4034	1,055.11
6/18/2019	3	4035	1,066.96
6/18/2019	4	4036	1,137.56
6/18/2019	5	4037	1,188.51
6/18/2019	6	4038	1,259.80
6/18/2019	7	4039	1,320.19
6/18/2019	8	4040	1,378.67
6/18/2019	9	4041	1,406.48
6/18/2019	10	4042	1,437.86
6/18/2019	11	4043	1,483.08
6/18/2019	12	4044	1,501.22
6/18/2019	13	4045	1,515.67
6/18/2019	14	4046	1,523.95
6/18/2019	15	4047	1,534.06
6/18/2019	16	4048	1,533.53
6/18/2019	17	4049	1,530.41
6/18/2019	18	4050	1,524.30
6/18/2019	19	4051	1,483.35
6/18/2019	20	4052	1,443.52
6/18/2019	21	4053	1,403.05
6/18/2019	22	4054	1,300.97
6/18/2019	23	4055	1,211.35
6/18/2019	24	4056	1,109.77
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6/19/2019	3	4059	1,117.56
6/19/2019	4	4060	1,167.00
6/19/2019	5	4061	1,231.68
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6/19/2019	11	4067	1,600.78
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6/19/2019	13	4069	1,615.97
6/19/2019	14	4070	1,585.93
6/19/2019	15	4071	1,537.99
6/19/2019	16	4072	1,470.27
6/19/2019	17	4073	1,413.64
6/19/2019	18	4074	1,385.55
6/19/2019	19	4075	1,368.94
6/19/2019	20	4076	1,355.37
6/19/2019	21	4077	1,326.86
6/19/2019	22	4078	1,246.08
6/19/2019	23	4079	1,196.66
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6/20/2019	1	4081	1,136.88
6/20/2019	2	4082	1,124.70
6/20/2019	3	4083	1,135.23
6/20/2019	4	4084	1,195.97
6/20/2019	5	4085	1,262.67
6/20/2019	6	4086	1,337.36
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6/20/2019	11	4091	1,417.44
6/20/2019	12	4092	1,402.80
6/20/2019	13	4093	1,394.12
6/20/2019	14	4094	1,359.01
6/20/2019	15	4095	1,328.44
6/20/2019	16	4096	1,293.50
6/20/2019	17	4097	1,278.81
6/20/2019	18	4098	1,259.12
6/20/2019	19	4099	1,264.10
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6/20/2019	22	4102	1,182.68
6/20/2019	23	4103	1,138.89
6/20/2019	24	4104	1,133.06
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6/21/2019	3	4107	1,081.39
6/21/2019	4	4108	1,132.50
6/21/2019	5	4109	1,183.66
6/21/2019	6	4110	1,249.08
6/21/2019	7	4111	1,314.40
6/21/2019	8	4112	1,339.27
6/21/2019	9	4113	1,376.61
6/21/2019	10	4114	1,398.62
6/21/2019	11	4115	1,425.45
6/21/2019	12	4116	1,418.80
6/21/2019	13	4117	1,426.14
6/21/2019	14	4118	1,402.36
6/21/2019	15	4119	1,385.54
6/21/2019	16	4120	1,349.03
6/21/2019	17	4121	1,308.19
6/21/2019	18	4122	1,273.49
6/21/2019	19	4123	1,256.47
6/21/2019	20	4124	1,262.32
6/21/2019	21	4125	1,228.91
6/21/2019	22	4126	1,164.02
6/21/2019	23	4127	1,087.34
6/21/2019	24	4128	1,056.10
6/22/2019	1	4129	1,015.77
6/22/2019	2	4130	1,004.89
6/22/2019	3	4131	985.94
6/22/2019	4	4132	998.96
6/22/2019	5	4133	1,010.93
6/22/2019	6	4134	1,041.72
6/22/2019	7	4135	1,086.73
6/22/2019	8	4136	1,148.07
6/22/2019	9	4137	1,205.52
6/22/2019	10	4138	1,261.51
6/22/2019	11	4139	1,297.40
6/22/2019	12	4140	1,338.74
6/22/2019	13	4141	1,390.42
6/22/2019	14	4142	1,406.69
6/22/2019	15	4143	1,417.18
6/22/2019	16	4144	1,435.08
6/22/2019	17	4145	1,445.00
6/22/2019	18	4146	1,420.88
6/22/2019	19	4147	1,376.37
6/22/2019	20	4148	1,364.82
6/22/2019	21	4149	1,333.81
6/22/2019	22	4150	1,266.51

6/22/2019	23	4151	1,184.52
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6/23/2019	2	4154	1,035.82
6/23/2019	3	4155	1,013.70
6/23/2019	4	4156	996.81
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6/23/2019	6	4158	1,001.98
6/23/2019	7	4159	1,049.34
6/23/2019	8	4160	1,109.57
6/23/2019	9	4161	1,185.79
6/23/2019	10	4162	1,263.79
6/23/2019	11	4163	1,341.32
6/23/2019	12	4164	1,410.46
6/23/2019	13	4165	1,423.05
6/23/2019	14	4166	1,458.19
6/23/2019	15	4167	1,488.84
6/23/2019	16	4168	1,485.94
6/23/2019	17	4169	1,474.01
6/23/2019	18	4170	1,459.59
6/23/2019	19	4171	1,439.31
6/23/2019	20	4172	1,445.09
6/23/2019	21	4173	1,415.32
6/23/2019	22	4174	1,347.72
6/23/2019	23	4175	1,266.31
6/23/2019	24	4176	1,201.03
6/24/2019	1	4177	1,168.17
6/24/2019	2	4178	1,146.07
6/24/2019	3	4179	1,137.15
6/24/2019	4	4180	1,202.76
6/24/2019	5	4181	1,300.76
6/24/2019	6	4182	1,391.13
6/24/2019	7	4183	1,481.58
6/24/2019	8	4184	1,562.88
6/24/2019	9	4185	1,621.73
6/24/2019	10	4186	1,660.80
6/24/2019	11	4187	1,682.73
6/24/2019	12	4188	1,662.47
6/24/2019	13	4189	1,640.10
6/24/2019	14	4190	1,608.59
6/24/2019	15	4191	1,615.00
6/24/2019	16	4192	1,638.92
6/24/2019	17	4193	1,609.18
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6/24/2019	20	4196	1,502.53
6/24/2019	21	4197	1,453.96
6/24/2019	22	4198	1,349.42
6/24/2019	23	4199	1,259.37
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6/25/2019	3	4203	1,165.84
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6/25/2019	6	4206	1,354.23
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6/25/2019	8	4208	1,533.58
6/25/2019	9	4209	1,622.97
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6/25/2019	11	4211	1,760.07
6/25/2019	12	4212	1,814.98
6/25/2019	13	4213	1,859.48

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6/25/2019	16	4216	1,857.56
6/25/2019	17	4217	1,849.06
6/25/2019	18	4218	1,818.85
6/25/2019	19	4219	1,777.64
6/25/2019	20	4220	1,721.34
6/25/2019	21	4221	1,660.70
6/25/2019	22	4222	1,522.84
6/25/2019	23	4223	1,418.55
6/25/2019	24	4224	1,353.68
6/26/2019	1	4225	1,266.16
6/26/2019	2	4226	1,263.24
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6/26/2019	4	4228	1,299.65
6/26/2019	5	4229	1,346.05
6/26/2019	6	4230	1,408.35
6/26/2019	7	4231	1,521.18
6/26/2019	8	4232	1,627.89
6/26/2019	9	4233	1,739.10
6/26/2019	10	4234	1,848.65
6/26/2019	11	4235	1,927.55
6/26/2019	12	4236	1,994.09
6/26/2019	13	4237	2,041.98
6/26/2019	14	4238	2,079.56
6/26/2019	15	4239	2,090.04
6/26/2019	16	4240	2,089.78
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6/26/2019	18	4242	2,037.30
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6/26/2019	23	4247	1,460.33
6/26/2019	24	4248	1,303.21
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6/27/2019	13	4261	2,066.84
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6/27/2019	17	4265	2,148.79
6/27/2019	18	4266	2,110.47
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6/28/2019	2	4274	1,325.69
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6/28/2019	7	4279	1,599.40
6/28/2019	8	4280	1,694.51
6/28/2019	9	4281	1,820.99
6/28/2019	10	4282	1,910.49
6/28/2019	11	4283	1,996.31
6/28/2019	12	4284	2,039.03
6/28/2019	13	4285	2,065.86
6/28/2019	14	4286	2,094.38
6/28/2019	15	4287	2,118.89
6/28/2019	16	4288	2,110.02
6/28/2019	17	4289	2,061.33
6/28/2019	18	4290	1,999.85
6/28/2019	19	4291	1,916.37
6/28/2019	20	4292	1,846.87
6/28/2019	21	4293	1,780.87
6/28/2019	22	4294	1,653.33
6/28/2019	23	4295	1,507.42
6/28/2019	24	4296	1,403.99
6/29/2019	1	4297	1,331.99
6/29/2019	2	4298	1,274.85
6/29/2019	3	4299	1,249.21
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6/29/2019	5	4301	1,227.99
6/29/2019	6	4302	1,276.46
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6/29/2019	9	4305	1,636.46
6/29/2019	10	4306	1,737.16
6/29/2019	11	4307	1,812.64
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6/29/2019	13	4309	1,946.54
6/29/2019	14	4310	1,968.30
6/29/2019	15	4311	1,985.78
6/29/2019	16	4312	1,989.86
6/29/2019	17	4313	1,959.46
6/29/2019	18	4314	1,897.77
6/29/2019	19	4315	1,823.78
6/29/2019	20	4316	1,741.45
6/29/2019	21	4317	1,663.93
6/29/2019	22	4318	1,548.31
6/29/2019	23	4319	1,424.75
6/29/2019	24	4320	1,346.93
6/30/2019	1	4321	1,251.00
6/30/2019	2	4322	1,200.77
6/30/2019	3	4323	1,171.41
6/30/2019	4	4324	1,145.74
6/30/2019	5	4325	1,134.19
6/30/2019	6	4326	1,161.50
6/30/2019	7	4327	1,276.56
6/30/2019	8	4328	1,403.59
6/30/2019	9	4329	1,548.59
6/30/2019	10	4330	1,672.62
6/30/2019	11	4331	1,764.52
6/30/2019	12	4332	1,861.70
6/30/2019	13	4333	1,926.39
6/30/2019	14	4334	1,949.70
6/30/2019	15	4335	1,840.74
6/30/2019	16	4336	1,727.95
6/30/2019	17	4337	1,677.88
6/30/2019	18	4338	1,656.40
6/30/2019	19	4339	1,620.39

6/30/2019	20	4340	1,596.16
6/30/2019	21	4341	1,539.01
6/30/2019	22	4342	1,463.59
6/30/2019	23	4343	1,362.11
6/30/2019	24	4344	1,274.44
7/1/2019	1	4345	1,240.45
7/1/2019	2	4346	1,199.16
7/1/2019	3	4347	1,216.54
7/1/2019	4	4348	1,254.85
7/1/2019	5	4349	1,313.12
7/1/2019	6	4350	1,408.33
7/1/2019	7	4351	1,514.46
7/1/2019	8	4352	1,645.92
7/1/2019	9	4353	1,763.64
7/1/2019	10	4354	1,886.94
7/1/2019	11	4355	1,985.97
7/1/2019	12	4356	2,068.02
7/1/2019	13	4357	2,132.69
7/1/2019	14	4358	2,192.34
7/1/2019	15	4359	2,225.35
7/1/2019	16	4360	2,197.74
7/1/2019	17	4361	2,186.64
7/1/2019	18	4362	2,160.48
7/1/2019	19	4363	2,084.74
7/1/2019	20	4364	2,001.71
7/1/2019	21	4365	1,897.17
7/1/2019	22	4366	1,735.86
7/1/2019	23	4367	1,576.06
7/1/2019	24	4368	1,451.35
7/2/2019	1	4369	1,424.26
7/2/2019	2	4370	1,380.26
7/2/2019	3	4371	1,366.13
7/2/2019	4	4372	1,398.60
7/2/2019	5	4373	1,441.94
7/2/2019	6	4374	1,530.21
7/2/2019	7	4375	1,707.30
7/2/2019	8	4376	1,851.38
7/2/2019	9	4377	2,008.11
7/2/2019	10	4378	2,131.69
7/2/2019	11	4379	2,225.54
7/2/2019	12	4380	2,293.71
7/2/2019	13	4381	2,349.21
7/2/2019	14	4382	2,350.89
7/2/2019	15	4383	2,286.62
7/2/2019	16	4384	2,218.25
7/2/2019	17	4385	2,212.47
7/2/2019	18	4386	2,162.29
7/2/2019	19	4387	2,030.53
7/2/2019	20	4388	1,932.84
7/2/2019	21	4389	1,813.64
7/2/2019	22	4390	1,673.00
7/2/2019	23	4391	1,511.21
7/2/2019	24	4392	1,501.93
7/3/2019	1	4393	1,339.22
7/3/2019	2	4394	1,305.47
7/3/2019	3	4395	1,294.54
7/3/2019	4	4396	1,311.00
7/3/2019	5	4397	1,363.74
7/3/2019	6	4398	1,435.05
7/3/2019	7	4399	1,530.84
7/3/2019	8	4400	1,608.30
7/3/2019	9	4401	1,704.15
7/3/2019	10	4402	1,757.51

7/3/2019	11	4403	1,807.22
7/3/2019	12	4404	1,886.66
7/3/2019	13	4405	1,953.52
7/3/2019	14	4406	2,009.64
7/3/2019	15	4407	2,063.79
7/3/2019	16	4408	2,105.40
7/3/2019	17	4409	2,071.34
7/3/2019	18	4410	2,019.79
7/3/2019	19	4411	1,913.58
7/3/2019	20	4412	1,797.75
7/3/2019	21	4413	1,723.18
7/3/2019	22	4414	1,580.61
7/3/2019	23	4415	1,458.89
7/3/2019	24	4416	1,231.43
7/4/2019	1	4417	1,298.06
7/4/2019	2	4418	1,229.66
7/4/2019	3	4419	1,197.14
7/4/2019	4	4420	1,183.45
7/4/2019	5	4421	1,185.88
7/4/2019	6	4422	1,226.84
7/4/2019	7	4423	1,324.71
7/4/2019	8	4424	1,468.14
7/4/2019	9	4425	1,607.50
7/4/2019	10	4426	1,744.92
7/4/2019	11	4427	1,793.99
7/4/2019	12	4428	1,922.05
7/4/2019	13	4429	1,970.99
7/4/2019	14	4430	1,999.48
7/4/2019	15	4431	2,025.60
7/4/2019	16	4432	2,040.16
7/4/2019	17	4433	2,015.16
7/4/2019	18	4434	1,942.83
7/4/2019	19	4435	1,842.74
7/4/2019	20	4436	1,783.52
7/4/2019	21	4437	1,706.09
7/4/2019	22	4438	1,623.90
7/4/2019	23	4439	1,509.67
7/4/2019	24	4440	1,490.43
7/5/2019	1	4441	1,327.08
7/5/2019	2	4442	1,287.12
7/5/2019	3	4443	1,250.76
7/5/2019	4	4444	1,271.75
7/5/2019	5	4445	1,269.22
7/5/2019	6	4446	1,324.12
7/5/2019	7	4447	1,456.97
7/5/2019	8	4448	1,600.23
7/5/2019	9	4449	1,736.35
7/5/2019	10	4450	1,858.47
7/5/2019	11	4451	1,969.03
7/5/2019	12	4452	2,029.08
7/5/2019	13	4453	2,086.52
7/5/2019	14	4454	2,139.90
7/5/2019	15	4455	2,138.04
7/5/2019	16	4456	2,136.75
7/5/2019	17	4457	2,110.51
7/5/2019	18	4458	2,079.04
7/5/2019	19	4459	1,995.78
7/5/2019	20	4460	1,941.11
7/5/2019	21	4461	1,841.27
7/5/2019	22	4462	1,700.30
7/5/2019	23	4463	1,580.70
7/5/2019	24	4464	1,534.80
7/6/2019	1	4465	1,416.15

7/6/2019	2	4466	1,366.98
7/6/2019	3	4467	1,321.88
7/6/2019	4	4468	1,302.22
7/6/2019	5	4469	1,290.08
7/6/2019	6	4470	1,311.95
7/6/2019	7	4471	1,405.61
7/6/2019	8	4472	1,516.74
7/6/2019	9	4473	1,653.32
7/6/2019	10	4474	1,765.09
7/6/2019	11	4475	1,863.52
7/6/2019	12	4476	1,920.63
7/6/2019	13	4477	1,902.52
7/6/2019	14	4478	1,785.28
7/6/2019	15	4479	1,735.32
7/6/2019	16	4480	1,709.84
7/6/2019	17	4481	1,645.00
7/6/2019	18	4482	1,569.23
7/6/2019	19	4483	1,510.15
7/6/2019	20	4484	1,438.41
7/6/2019	21	4485	1,362.41
7/6/2019	22	4486	1,326.23
7/6/2019	23	4487	1,243.29
7/6/2019	24	4488	1,140.95
7/7/2019	1	4489	1,118.09
7/7/2019	2	4490	1,094.12
7/7/2019	3	4491	1,077.77
7/7/2019	4	4492	1,085.18
7/7/2019	5	4493	1,093.96
7/7/2019	6	4494	1,091.89
7/7/2019	7	4495	1,144.56
7/7/2019	8	4496	1,217.93
7/7/2019	9	4497	1,309.62
7/7/2019	10	4498	1,389.00
7/7/2019	11	4499	1,448.39
7/7/2019	12	4500	1,513.76
7/7/2019	13	4501	1,560.22
7/7/2019	14	4502	1,598.72
7/7/2019	15	4503	1,635.24
7/7/2019	16	4504	1,637.04
7/7/2019	17	4505	1,633.93
7/7/2019	18	4506	1,583.90
7/7/2019	19	4507	1,524.91
7/7/2019	20	4508	1,461.31
7/7/2019	21	4509	1,430.49
7/7/2019	22	4510	1,346.64
7/7/2019	23	4511	1,261.00
7/7/2019	24	4512	1,232.18
7/8/2019	1	4513	1,139.86
7/8/2019	2	4514	1,117.77
7/8/2019	3	4515	1,137.76
7/8/2019	4	4516	1,193.58
7/8/2019	5	4517	1,256.31
7/8/2019	6	4518	1,348.92
7/8/2019	7	4519	1,449.47
7/8/2019	8	4520	1,556.28
7/8/2019	9	4521	1,646.78
7/8/2019	10	4522	1,722.81
7/8/2019	11	4523	1,799.01
7/8/2019	12	4524	1,864.51
7/8/2019	13	4525	1,902.76
7/8/2019	14	4526	1,936.50
7/8/2019	15	4527	1,960.28
7/8/2019	16	4528	1,946.99

7/8/2019	17	4529	1,921.32
7/8/2019	18	4530	1,859.40
7/8/2019	19	4531	1,757.02
7/8/2019	20	4532	1,686.13
7/8/2019	21	4533	1,603.81
7/8/2019	22	4534	1,463.64
7/8/2019	23	4535	1,350.80
7/8/2019	24	4536	1,297.92
7/9/2019	1	4537	1,205.70
7/9/2019	2	4538	1,171.44
7/9/2019	3	4539	1,181.73
7/9/2019	4	4540	1,226.79
7/9/2019	5	4541	1,264.69
7/9/2019	6	4542	1,348.06
7/9/2019	7	4543	1,439.20
7/9/2019	8	4544	1,519.21
7/9/2019	9	4545	1,623.74
7/9/2019	10	4546	1,731.98
7/9/2019	11	4547	1,823.67
7/9/2019	12	4548	1,913.78
7/9/2019	13	4549	1,967.64
7/9/2019	14	4550	2,021.22
7/9/2019	15	4551	2,045.47
7/9/2019	16	4552	2,067.34
7/9/2019	17	4553	2,052.62
7/9/2019	18	4554	2,020.66
7/9/2019	19	4555	1,962.38
7/9/2019	20	4556	1,863.84
7/9/2019	21	4557	1,774.48
7/9/2019	22	4558	1,638.96
7/9/2019	23	4559	1,521.31
7/9/2019	24	4560	1,383.91
7/10/2019	1	4561	1,361.19
7/10/2019	2	4562	1,331.25
7/10/2019	3	4563	1,333.83
7/10/2019	4	4564	1,397.18
7/10/2019	5	4565	1,472.66
7/10/2019	6	4566	1,534.02
7/10/2019	7	4567	1,671.15
7/10/2019	8	4568	1,805.05
7/10/2019	9	4569	1,937.56
7/10/2019	10	4570	2,083.48
7/10/2019	11	4571	2,213.36
7/10/2019	12	4572	2,294.57
7/10/2019	13	4573	2,363.46
7/10/2019	14	4574	2,380.22
7/10/2019	15	4575	2,402.77
7/10/2019	16	4576	2,396.02
7/10/2019	17	4577	2,372.02
7/10/2019	18	4578	2,318.57
7/10/2019	19	4579	2,235.62
7/10/2019	20	4580	2,138.28
7/10/2019	21	4581	2,036.27
7/10/2019	22	4582	1,872.56
7/10/2019	23	4583	1,714.87
7/10/2019	24	4584	1,643.35
7/11/2019	1	4585	1,501.36
7/11/2019	2	4586	1,440.11
7/11/2019	3	4587	1,411.16
7/11/2019	4	4588	1,427.08
7/11/2019	5	4589	1,477.69
7/11/2019	6	4590	1,551.00
7/11/2019	7	4591	1,689.13

7/11/2019	8	4592	1,791.99
7/11/2019	9	4593	1,901.55
7/11/2019	10	4594	1,963.18
7/11/2019	11	4595	2,016.90
7/11/2019	12	4596	2,020.96
7/11/2019	13	4597	2,031.60
7/11/2019	14	4598	2,040.81
7/11/2019	15	4599	2,036.66
7/11/2019	16	4600	1,996.23
7/11/2019	17	4601	1,956.60
7/11/2019	18	4602	1,875.38
7/11/2019	19	4603	1,767.61
7/11/2019	20	4604	1,662.81
7/11/2019	21	4605	1,585.44
7/11/2019	22	4606	1,466.35
7/11/2019	23	4607	1,356.25
7/11/2019	24	4608	1,311.25
7/12/2019	1	4609	1,215.38
7/12/2019	2	4610	1,186.77
7/12/2019	3	4611	1,194.53
7/12/2019	4	4612	1,226.84
7/12/2019	5	4613	1,263.52
7/12/2019	6	4614	1,338.34
7/12/2019	7	4615	1,445.92
7/12/2019	8	4616	1,522.84
7/12/2019	9	4617	1,594.59
7/12/2019	10	4618	1,659.52
7/12/2019	11	4619	1,713.77
7/12/2019	12	4620	1,777.84
7/12/2019	13	4621	1,847.35
7/12/2019	14	4622	1,891.47
7/12/2019	15	4623	1,938.76
7/12/2019	16	4624	1,974.24
7/12/2019	17	4625	1,970.58
7/12/2019	18	4626	1,931.97
7/12/2019	19	4627	1,857.25
7/12/2019	20	4628	1,763.71
7/12/2019	21	4629	1,669.20
7/12/2019	22	4630	1,529.45
7/12/2019	23	4631	1,403.85
7/12/2019	24	4632	1,312.13
7/13/2019	1	4633	1,249.65
7/13/2019	2	4634	1,200.88
7/13/2019	3	4635	1,174.70
7/13/2019	4	4636	1,188.32
7/13/2019	5	4637	1,171.86
7/13/2019	6	4638	1,200.47
7/13/2019	7	4639	1,308.85
7/13/2019	8	4640	1,443.78
7/13/2019	9	4641	1,590.09
7/13/2019	10	4642	1,723.73
7/13/2019	11	4643	1,819.79
7/13/2019	12	4644	1,914.74
7/13/2019	13	4645	1,993.71
7/13/2019	14	4646	2,052.15
7/13/2019	15	4647	2,097.80
7/13/2019	16	4648	2,121.84
7/13/2019	17	4649	2,110.20
7/13/2019	18	4650	2,051.98
7/13/2019	19	4651	1,984.92
7/13/2019	20	4652	1,900.40
7/13/2019	21	4653	1,776.37
7/13/2019	22	4654	1,651.94

7/13/2019	23	4655	1,531.10
7/13/2019	24	4656	1,430.13
7/14/2019	1	4657	1,343.17
7/14/2019	2	4658	1,266.40
7/14/2019	3	4659	1,231.53
7/14/2019	4	4660	1,205.46
7/14/2019	5	4661	1,190.75
7/14/2019	6	4662	1,213.28
7/14/2019	7	4663	1,316.43
7/14/2019	8	4664	1,443.25
7/14/2019	9	4665	1,570.47
7/14/2019	10	4666	1,687.07
7/14/2019	11	4667	1,784.35
7/14/2019	12	4668	1,873.08
7/14/2019	13	4669	1,945.78
7/14/2019	14	4670	2,000.85
7/14/2019	15	4671	2,006.62
7/14/2019	16	4672	1,984.14
7/14/2019	17	4673	1,935.34
7/14/2019	18	4674	1,889.89
7/14/2019	19	4675	1,821.88
7/14/2019	20	4676	1,777.34
7/14/2019	21	4677	1,715.43
7/14/2019	22	4678	1,602.27
7/14/2019	23	4679	1,488.35
7/14/2019	24	4680	1,336.17
7/15/2019	1	4681	1,329.85
7/15/2019	2	4682	1,302.97
7/15/2019	3	4683	1,317.58
7/15/2019	4	4684	1,372.95
7/15/2019	5	4685	1,430.21
7/15/2019	6	4686	1,537.68
7/15/2019	7	4687	1,669.18
7/15/2019	8	4688	1,828.16
7/15/2019	9	4689	1,958.54
7/15/2019	10	4690	2,069.74
7/15/2019	11	4691	2,174.25
7/15/2019	12	4692	2,236.84
7/15/2019	13	4693	2,294.50
7/15/2019	14	4694	2,313.47
7/15/2019	15	4695	2,325.52
7/15/2019	16	4696	2,300.91
7/15/2019	17	4697	2,260.05
7/15/2019	18	4698	2,183.89
7/15/2019	19	4699	2,087.71
7/15/2019	20	4700	1,995.36
7/15/2019	21	4701	1,891.56
7/15/2019	22	4702	1,744.61
7/15/2019	23	4703	1,611.24
7/15/2019	24	4704	1,532.99
7/16/2019	1	4705	1,422.59
7/16/2019	2	4706	1,417.18
7/16/2019	3	4707	1,416.29
7/16/2019	4	4708	1,441.70
7/16/2019	5	4709	1,514.97
7/16/2019	6	4710	1,615.59
7/16/2019	7	4711	1,684.40
7/16/2019	8	4712	1,741.69
7/16/2019	9	4713	1,804.46
7/16/2019	10	4714	1,843.21
7/16/2019	11	4715	1,882.83
7/16/2019	12	4716	1,952.97
7/16/2019	13	4717	2,011.75

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7/16/2019	15	4719	2,028.03
7/16/2019	16	4720	2,024.61
7/16/2019	17	4721	1,990.43
7/16/2019	18	4722	1,918.38
7/16/2019	19	4723	1,843.30
7/16/2019	20	4724	1,792.26
7/16/2019	21	4725	1,732.74
7/16/2019	22	4726	1,617.03
7/16/2019	23	4727	1,509.89
7/16/2019	24	4728	1,365.25
7/17/2019	1	4729	1,379.27
7/17/2019	2	4730	1,356.81
7/17/2019	3	4731	1,366.11
7/17/2019	4	4732	1,463.70
7/17/2019	5	4733	1,476.29
7/17/2019	6	4734	1,592.77
7/17/2019	7	4735	1,719.15
7/17/2019	8	4736	1,847.69
7/17/2019	9	4737	1,972.64
7/17/2019	10	4738	2,061.15
7/17/2019	11	4739	2,388.57
7/17/2019	12	4740	2,261.73
7/17/2019	13	4741	2,312.13
7/17/2019	14	4742	2,331.14
7/17/2019	15	4743	2,346.50
7/17/2019	16	4744	2,333.84
7/17/2019	17	4745	2,282.93
7/17/2019	18	4746	2,190.39
7/17/2019	19	4747	2,097.49
7/17/2019	20	4748	2,034.33
7/17/2019	21	4749	1,926.98
7/17/2019	22	4750	1,775.04
7/17/2019	23	4751	1,647.26
7/17/2019	24	4752	1,704.08
7/18/2019	1	4753	1,486.69
7/18/2019	2	4754	1,445.16
7/18/2019	3	4755	1,445.62
7/18/2019	4	4756	1,495.72
7/18/2019	5	4757	1,544.07
7/18/2019	6	4758	1,628.53
7/18/2019	7	4759	1,726.84
7/18/2019	8	4760	1,800.52
7/18/2019	9	4761	1,839.52
7/18/2019	10	4762	1,840.80
7/18/2019	11	4763	1,811.39
7/18/2019	12	4764	1,769.67
7/18/2019	13	4765	1,750.72
7/18/2019	14	4766	1,499.12
7/18/2019	15	4767	1,601.37
7/18/2019	16	4768	1,787.97
7/18/2019	17	4769	1,810.75
7/18/2019	18	4770	2,109.49
7/18/2019	19	4771	2,075.31
7/18/2019	20	4772	2,038.46
7/18/2019	21	4773	1,949.44
7/18/2019	22	4774	1,841.80
7/18/2019	23	4775	1,709.36
7/18/2019	24	4776	1,580.35
7/19/2019	1	4777	1,555.59
7/19/2019	2	4778	1,521.01
7/19/2019	3	4779	1,528.36
7/19/2019	4	4780	1,585.05

7/19/2019	5	4781	1,640.69
7/19/2019	6	4782	1,737.18
7/19/2019	7	4783	1,848.80
7/19/2019	8	4784	1,975.35
7/19/2019	9	4785	2,079.27
7/19/2019	10	4786	1,843.82
7/19/2019	11	4787	1,913.10
7/19/2019	12	4788	1,960.38
7/19/2019	13	4789	1,975.37
7/19/2019	14	4790	2,062.26
7/19/2019	15	4791	2,053.21
7/19/2019	16	4792	2,052.53
7/19/2019	17	4793	2,033.66
7/19/2019	18	4794	1,945.33
7/19/2019	19	4795	1,938.64
7/19/2019	20	4796	2,163.10
7/19/2019	21	4797	2,073.41
7/19/2019	22	4798	1,934.09
7/19/2019	23	4799	1,792.60
7/19/2019	24	4800	1,624.67
7/20/2019	1	4801	1,628.84
7/20/2019	2	4802	1,570.14
7/20/2019	3	4803	1,520.60
7/20/2019	4	4804	1,500.78
7/20/2019	5	4805	1,486.93
7/20/2019	6	4806	1,468.86
7/20/2019	7	4807	1,531.43
7/20/2019	8	4808	1,652.81
7/20/2019	9	4809	1,790.76
7/20/2019	10	4810	1,924.31
7/20/2019	11	4811	2,046.52
7/20/2019	12	4812	2,151.04
7/20/2019	13	4813	2,216.06
7/20/2019	14	4814	2,254.92
7/20/2019	15	4815	2,271.71
7/20/2019	16	4816	2,277.17
7/20/2019	17	4817	2,208.80
7/20/2019	18	4818	2,025.56
7/20/2019	19	4819	1,919.42
7/20/2019	20	4820	1,851.84
7/20/2019	21	4821	1,762.70
7/20/2019	22	4822	1,658.43
7/20/2019	23	4823	1,541.20
7/20/2019	24	4824	1,453.94
7/21/2019	1	4825	1,387.45
7/21/2019	2	4826	1,323.76
7/21/2019	3	4827	1,295.81
7/21/2019	4	4828	1,271.63
7/21/2019	5	4829	1,280.21
7/21/2019	6	4830	1,289.45
7/21/2019	7	4831	1,348.05
7/21/2019	8	4832	1,424.21
7/21/2019	9	4833	1,540.34
7/21/2019	10	4834	1,671.70
7/21/2019	11	4835	1,771.74
7/21/2019	12	4836	1,782.96
7/21/2019	13	4837	1,738.42
7/21/2019	14	4838	1,695.40
7/21/2019	15	4839	1,644.01
7/21/2019	16	4840	1,587.62
7/21/2019	17	4841	1,573.35
7/21/2019	18	4842	1,545.15
7/21/2019	19	4843	1,504.66

7/21/2019	20	4844	1,494.68
7/21/2019	21	4845	1,476.97
7/21/2019	22	4846	1,402.11
7/21/2019	23	4847	1,323.99
7/21/2019	24	4848	1,391.63
7/22/2019	1	4849	1,244.61
7/22/2019	2	4850	1,224.96
7/22/2019	3	4851	1,250.21
7/22/2019	4	4852	1,313.58
7/22/2019	5	4853	1,363.26
7/22/2019	6	4854	1,445.54
7/22/2019	7	4855	1,530.81
7/22/2019	8	4856	1,561.55
7/22/2019	9	4857	1,612.53
7/22/2019	10	4858	1,618.50
7/22/2019	11	4859	1,650.09
7/22/2019	12	4860	1,673.76
7/22/2019	13	4861	1,664.52
7/22/2019	14	4862	1,642.71
7/22/2019	15	4863	1,634.92
7/22/2019	16	4864	1,603.87
7/22/2019	17	4865	1,576.15
7/22/2019	18	4866	1,540.55
7/22/2019	19	4867	1,474.18
7/22/2019	20	4868	1,446.64
7/22/2019	21	4869	1,398.61
7/22/2019	22	4870	1,299.06
7/22/2019	23	4871	1,220.92
7/22/2019	24	4872	1,105.11
7/23/2019	1	4873	1,126.04
7/23/2019	2	4874	1,104.11
7/23/2019	3	4875	1,123.27
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7/23/2019	6	4878	1,298.63
7/23/2019	7	4879	1,377.36
7/23/2019	8	4880	1,452.25
7/23/2019	9	4881	1,511.42
7/23/2019	10	4882	1,539.81
7/23/2019	11	4883	1,603.68
7/23/2019	12	4884	1,660.22
7/23/2019	13	4885	1,679.21
7/23/2019	14	4886	1,734.57
7/23/2019	15	4887	1,734.09
7/23/2019	16	4888	1,713.81
7/23/2019	17	4889	1,678.48
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7/23/2019	20	4892	1,504.75
7/23/2019	21	4893	1,437.50
7/23/2019	22	4894	1,338.30
7/23/2019	23	4895	1,234.75
7/23/2019	24	4896	1,159.36
7/24/2019	1	4897	1,178.56
7/24/2019	2	4898	1,161.41
7/24/2019	3	4899	1,191.89
7/24/2019	4	4900	1,242.50
7/24/2019	5	4901	1,309.57
7/24/2019	6	4902	1,352.24
7/24/2019	7	4903	1,431.36
7/24/2019	8	4904	1,477.81
7/24/2019	9	4905	1,541.40
7/24/2019	10	4906	1,597.56

7/24/2019	11	4907	1,662.54
7/24/2019	12	4908	1,703.85
7/24/2019	13	4909	1,721.30
7/24/2019	14	4910	1,731.36
7/24/2019	15	4911	1,757.19
7/24/2019	16	4912	1,748.83
7/24/2019	17	4913	1,725.49
7/24/2019	18	4914	1,674.22
7/24/2019	19	4915	1,600.87
7/24/2019	20	4916	1,526.34
7/24/2019	21	4917	1,452.09
7/24/2019	22	4918	1,352.27
7/24/2019	23	4919	1,258.04
7/24/2019	24	4920	1,186.24
7/25/2019	1	4921	1,147.11
7/25/2019	2	4922	1,122.22
7/25/2019	3	4923	1,137.01
7/25/2019	4	4924	1,202.41
7/25/2019	5	4925	1,253.66
7/25/2019	6	4926	1,317.61
7/25/2019	7	4927	1,385.47
7/25/2019	8	4928	1,464.80
7/25/2019	9	4929	1,540.42
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7/25/2019	11	4931	1,669.74
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7/25/2019	13	4933	1,796.18
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7/25/2019	15	4935	1,870.15
7/25/2019	16	4936	1,888.45
7/25/2019	17	4937	1,874.12
7/25/2019	18	4938	1,829.04
7/25/2019	19	4939	1,759.58
7/25/2019	20	4940	1,703.21
7/25/2019	21	4941	1,619.74
7/25/2019	22	4942	1,489.26
7/25/2019	23	4943	1,375.54
7/25/2019	24	4944	1,334.43
7/26/2019	1	4945	1,219.78
7/26/2019	2	4946	1,193.13
7/26/2019	3	4947	1,144.11
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7/26/2019	5	4949	1,272.83
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7/26/2019	7	4951	1,449.59
7/26/2019	8	4952	1,536.44
7/26/2019	9	4953	1,622.22
7/26/2019	10	4954	1,702.11
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7/26/2019	12	4956	1,806.04
7/26/2019	13	4957	1,840.93
7/26/2019	14	4958	1,880.45
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7/26/2019	18	4962	1,764.90
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7/26/2019	24	4968	1,226.80
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7/27/2019	8	4976	1,418.02
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7/27/2019	15	4983	1,940.33
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7/27/2019	17	4985	1,940.80
7/27/2019	18	4986	1,885.76
7/27/2019	19	4987	1,798.71
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7/27/2019	21	4989	1,654.94
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7/28/2019	2	4994	1,230.39
7/28/2019	3	4995	1,208.21
7/28/2019	4	4996	1,199.68
7/28/2019	5	4997	1,179.82
7/28/2019	6	4998	1,180.36
7/28/2019	7	4999	1,263.36
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7/28/2019	9	5001	1,532.18
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7/28/2019	11	5003	1,780.25
7/28/2019	12	5004	1,872.18
7/28/2019	13	5005	1,926.99
7/28/2019	14	5006	1,977.48
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7/28/2019	18	5010	1,985.13
7/28/2019	19	5011	1,900.16
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7/28/2019	22	5014	1,627.18
7/28/2019	23	5015	1,536.63
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7/30/2019	15	5055	1,954.36
7/30/2019	16	5056	1,931.69
7/30/2019	17	5057	1,877.48
7/30/2019	18	5058	1,812.86
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7/31/2019	3	5067	1,201.95
7/31/2019	4	5068	1,261.41
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7/31/2019	22	5086	1,356.37
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8/1/2019	12	5100	1,733.70
8/1/2019	13	5101	1,795.51
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8/1/2019	15	5103	1,831.50
8/1/2019	16	5104	1,833.44
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8/5/2019	13	5197	2,207.50
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8/5/2019	15	5199	2,212.31
8/5/2019	16	5200	2,234.40
8/5/2019	17	5201	2,219.37
8/5/2019	18	5202	2,173.72
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8/5/2019	22	5206	1,730.43
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8/6/2019	7	5215	1,625.87
8/6/2019	8	5216	1,699.15
8/6/2019	9	5217	1,750.50
8/6/2019	10	5218	1,795.23
8/6/2019	11	5219	1,853.23
8/6/2019	12	5220	1,923.87
8/6/2019	13	5221	1,929.24

8/6/2019	14	5222	1,952.10
8/6/2019	15	5223	1,955.63
8/6/2019	16	5224	1,972.08
8/6/2019	17	5225	1,974.28
8/6/2019	18	5226	1,918.29
8/6/2019	19	5227	1,824.04
8/6/2019	20	5228	1,744.78
8/6/2019	21	5229	1,630.57
8/6/2019	22	5230	1,504.14
8/6/2019	23	5231	1,386.26
8/6/2019	24	5232	1,418.34
8/7/2019	1	5233	1,202.19
8/7/2019	2	5234	1,174.23
8/7/2019	3	5235	1,184.42
8/7/2019	4	5236	1,305.42
8/7/2019	5	5237	1,373.94
8/7/2019	6	5238	1,435.73
8/7/2019	7	5239	1,530.42
8/7/2019	8	5240	1,636.47
8/7/2019	9	5241	1,742.44
8/7/2019	10	5242	1,842.97
8/7/2019	11	5243	1,936.56
8/7/2019	12	5244	2,034.76
8/7/2019	13	5245	2,086.42
8/7/2019	14	5246	2,109.32
8/7/2019	15	5247	2,149.50
8/7/2019	16	5248	2,147.69
8/7/2019	17	5249	2,121.02
8/7/2019	18	5250	2,056.34
8/7/2019	19	5251	1,959.16
8/7/2019	20	5252	1,897.48
8/7/2019	21	5253	1,755.89
8/7/2019	22	5254	1,628.85
8/7/2019	23	5255	1,504.63
8/7/2019	24	5256	1,326.82
8/8/2019	1	5257	1,348.01
8/8/2019	2	5258	1,317.20
8/8/2019	3	5259	1,321.48
8/8/2019	4	5260	1,375.87
8/8/2019	5	5261	1,440.50
8/8/2019	6	5262	1,503.18
8/8/2019	7	5263	1,593.20
8/8/2019	8	5264	1,729.93
8/8/2019	9	5265	1,883.04
8/8/2019	10	5266	1,946.22
8/8/2019	11	5267	2,030.87
8/8/2019	12	5268	2,099.11
8/8/2019	13	5269	2,132.52
8/8/2019	14	5270	2,117.43
8/8/2019	15	5271	2,129.49
8/8/2019	16	5272	2,099.27
8/8/2019	17	5273	2,059.48
8/8/2019	18	5274	1,968.69
8/8/2019	19	5275	1,884.03
8/8/2019	20	5276	1,795.83
8/8/2019	21	5277	1,667.35
8/8/2019	22	5278	1,526.34
8/8/2019	23	5279	1,392.53
8/8/2019	24	5280	1,271.09
8/9/2019	1	5281	1,273.73
8/9/2019	2	5282	1,231.02
8/9/2019	3	5283	1,245.68
8/9/2019	4	5284	1,284.93

8/9/2019	5	5285	1,341.91
8/9/2019	6	5286	1,402.31
8/9/2019	7	5287	1,487.29
8/9/2019	8	5288	1,583.13
8/9/2019	9	5289	1,663.11
8/9/2019	10	5290	1,713.82
8/9/2019	11	5291	1,777.40
8/9/2019	12	5292	1,820.61
8/9/2019	13	5293	1,859.05
8/9/2019	14	5294	1,888.51
8/9/2019	15	5295	1,908.05
8/9/2019	16	5296	1,907.00
8/9/2019	17	5297	1,875.91
8/9/2019	18	5298	1,785.14
8/9/2019	19	5299	1,691.59
8/9/2019	20	5300	1,628.71
8/9/2019	21	5301	1,511.13
8/9/2019	22	5302	1,395.62
8/9/2019	23	5303	1,287.82
8/9/2019	24	5304	1,218.06
8/10/2019	1	5305	1,134.68
8/10/2019	2	5306	1,085.66
8/10/2019	3	5307	1,095.99
8/10/2019	4	5308	1,108.41
8/10/2019	5	5309	1,122.91
8/10/2019	6	5310	1,121.21
8/10/2019	7	5311	1,149.68
8/10/2019	8	5312	1,219.09
8/10/2019	9	5313	1,326.79
8/10/2019	10	5314	1,408.92
8/10/2019	11	5315	1,490.59
8/10/2019	12	5316	1,567.45
8/10/2019	13	5317	1,633.46
8/10/2019	14	5318	1,697.26
8/10/2019	15	5319	1,767.19
8/10/2019	16	5320	1,787.05
8/10/2019	17	5321	1,785.37
8/10/2019	18	5322	1,729.78
8/10/2019	19	5323	1,625.57
8/10/2019	20	5324	1,580.99
8/10/2019	21	5325	1,483.99
8/10/2019	22	5326	1,391.90
8/10/2019	23	5327	1,260.00
8/10/2019	24	5328	1,163.13
8/11/2019	1	5329	1,159.91
8/11/2019	2	5330	1,119.70
8/11/2019	3	5331	1,095.89
8/11/2019	4	5332	1,082.46
8/11/2019	5	5333	1,082.88
8/11/2019	6	5334	1,062.93
8/11/2019	7	5335	1,124.04
8/11/2019	8	5336	1,167.34
8/11/2019	9	5337	1,282.89
8/11/2019	10	5338	1,374.46
8/11/2019	11	5339	1,470.73
8/11/2019	12	5340	1,566.52
8/11/2019	13	5341	1,661.27
8/11/2019	14	5342	1,698.51
8/11/2019	15	5343	1,700.79
8/11/2019	16	5344	1,670.29
8/11/2019	17	5345	1,681.67
8/11/2019	18	5346	1,646.53
8/11/2019	19	5347	1,639.85

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8/11/2019	21	5349	1,598.18
8/11/2019	22	5350	1,512.96
8/11/2019	23	5351	1,427.80
8/11/2019	24	5352	1,378.01
8/12/2019	1	5353	1,300.45
8/12/2019	2	5354	1,288.58
8/12/2019	3	5355	1,306.74
8/12/2019	4	5356	1,354.55
8/12/2019	5	5357	1,435.39
8/12/2019	6	5358	1,536.43
8/12/2019	7	5359	1,625.54
8/12/2019	8	5360	1,724.72
8/12/2019	9	5361	1,805.04
8/12/2019	10	5362	1,877.88
8/12/2019	11	5363	1,951.46
8/12/2019	12	5364	2,004.86
8/12/2019	13	5365	1,985.01
8/12/2019	14	5366	1,994.23
8/12/2019	15	5367	1,976.33
8/12/2019	16	5368	1,930.42
8/12/2019	17	5369	1,868.64
8/12/2019	18	5370	1,804.69
8/12/2019	19	5371	1,758.82
8/12/2019	20	5372	1,738.03
8/12/2019	21	5373	1,657.25
8/12/2019	22	5374	1,534.26
8/12/2019	23	5375	1,455.13
8/12/2019	24	5376	1,340.63
8/13/2019	1	5377	1,344.42
8/13/2019	2	5378	1,297.84
8/13/2019	3	5379	1,314.63
8/13/2019	4	5380	1,358.82
8/13/2019	5	5381	1,464.30
8/13/2019	6	5382	1,554.02
8/13/2019	7	5383	1,631.27
8/13/2019	8	5384	1,702.79
8/13/2019	9	5385	1,781.50
8/13/2019	10	5386	1,840.68
8/13/2019	11	5387	1,934.39
8/13/2019	12	5388	1,994.90
8/13/2019	13	5389	2,050.09
8/13/2019	14	5390	2,040.89
8/13/2019	15	5391	2,055.38
8/13/2019	16	5392	2,033.23
8/13/2019	17	5393	2,016.93
8/13/2019	18	5394	1,962.69
8/13/2019	19	5395	1,896.29
8/13/2019	20	5396	1,830.51
8/13/2019	21	5397	1,713.93
8/13/2019	22	5398	1,585.31
8/13/2019	23	5399	1,464.81
8/13/2019	24	5400	1,321.05
8/14/2019	1	5401	1,288.92
8/14/2019	2	5402	1,261.41
8/14/2019	3	5403	1,277.75
8/14/2019	4	5404	1,333.62
8/14/2019	5	5405	1,433.97
8/14/2019	6	5406	1,507.89
8/14/2019	7	5407	1,597.09
8/14/2019	8	5408	1,696.72
8/14/2019	9	5409	1,803.28
8/14/2019	10	5410	1,897.32

8/14/2019	11	5411	1,982.33
8/14/2019	12	5412	2,057.96
8/14/2019	13	5413	2,080.70
8/14/2019	14	5414	2,066.84
8/14/2019	15	5415	2,037.29
8/14/2019	16	5416	1,989.49
8/14/2019	17	5417	1,862.55
8/14/2019	18	5418	1,782.51
8/14/2019	19	5419	1,708.33
8/14/2019	20	5420	1,641.95
8/14/2019	21	5421	1,554.73
8/14/2019	22	5422	1,441.52
8/14/2019	23	5423	1,331.73
8/14/2019	24	5424	1,511.61
8/15/2019	1	5425	1,177.66
8/15/2019	2	5426	1,154.73
8/15/2019	3	5427	1,166.13
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8/15/2019	5	5429	1,323.88
8/15/2019	6	5430	1,383.17
8/15/2019	7	5431	1,444.87
8/15/2019	8	5432	1,511.12
8/15/2019	9	5433	1,579.05
8/15/2019	10	5434	1,624.63
8/15/2019	11	5435	1,676.08
8/15/2019	12	5436	1,707.36
8/15/2019	13	5437	1,796.16
8/15/2019	14	5438	1,830.65
8/15/2019	15	5439	1,839.11
8/15/2019	16	5440	1,828.76
8/15/2019	17	5441	1,797.70
8/15/2019	18	5442	1,717.71
8/15/2019	19	5443	1,634.69
8/15/2019	20	5444	1,593.69
8/15/2019	21	5445	1,518.79
8/15/2019	22	5446	1,414.05
8/15/2019	23	5447	1,303.40
8/15/2019	24	5448	1,094.97
8/16/2019	1	5449	1,186.28
8/16/2019	2	5450	1,164.47
8/16/2019	3	5451	1,165.17
8/16/2019	4	5452	1,218.71
8/16/2019	5	5453	1,295.39
8/16/2019	6	5454	1,358.99
8/16/2019	7	5455	1,431.08
8/16/2019	8	5456	1,504.18
8/16/2019	9	5457	1,551.62
8/16/2019	10	5458	1,588.62
8/16/2019	11	5459	1,673.29
8/16/2019	12	5460	1,731.89
8/16/2019	13	5461	1,775.81
8/16/2019	14	5462	1,810.88
8/16/2019	15	5463	1,838.55
8/16/2019	16	5464	1,837.67
8/16/2019	17	5465	1,820.04
8/16/2019	18	5466	1,769.86
8/16/2019	19	5467	1,717.58
8/16/2019	20	5468	1,698.64
8/16/2019	21	5469	1,626.64
8/16/2019	22	5470	1,504.40
8/16/2019	23	5471	1,388.92
8/16/2019	24	5472	1,250.91
8/17/2019	1	5473	1,256.59

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8/17/2019	4	5476	1,194.53
8/17/2019	5	5477	1,239.92
8/17/2019	6	5478	1,234.46
8/17/2019	7	5479	1,291.93
8/17/2019	8	5480	1,359.39
8/17/2019	9	5481	1,414.24
8/17/2019	10	5482	1,481.19
8/17/2019	11	5483	1,556.87
8/17/2019	12	5484	1,592.10
8/17/2019	13	5485	1,597.74
8/17/2019	14	5486	1,604.53
8/17/2019	15	5487	1,568.42
8/17/2019	16	5488	1,583.58
8/17/2019	17	5489	1,602.13
8/17/2019	18	5490	1,584.88
8/17/2019	19	5491	1,556.08
8/17/2019	20	5492	1,547.00
8/17/2019	21	5493	1,476.63
8/17/2019	22	5494	1,384.66
8/17/2019	23	5495	1,299.26
8/17/2019	24	5496	1,222.55
8/18/2019	1	5497	1,175.09
8/18/2019	2	5498	1,132.15
8/18/2019	3	5499	1,121.96
8/18/2019	4	5500	1,117.42
8/18/2019	5	5501	1,114.52
8/18/2019	6	5502	1,138.06
8/18/2019	7	5503	1,197.74
8/18/2019	8	5504	1,198.03
8/18/2019	9	5505	1,251.14
8/18/2019	10	5506	1,278.85
8/18/2019	11	5507	1,316.66
8/18/2019	12	5508	1,413.28
8/18/2019	13	5509	1,536.07
8/18/2019	14	5510	1,660.86
8/18/2019	15	5511	1,738.87
8/18/2019	16	5512	1,791.62
8/18/2019	17	5513	1,789.43
8/18/2019	18	5514	1,749.76
8/18/2019	19	5515	1,694.39
8/18/2019	20	5516	1,661.73
8/18/2019	21	5517	1,564.86
8/18/2019	22	5518	1,463.48
8/18/2019	23	5519	1,353.84
8/18/2019	24	5520	1,318.80
8/19/2019	1	5521	1,246.01
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8/19/2019	3	5523	1,241.56
8/19/2019	4	5524	1,303.10
8/19/2019	5	5525	1,402.53
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8/19/2019	7	5527	1,579.64
8/19/2019	8	5528	1,693.05
8/19/2019	9	5529	1,800.49
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8/19/2019	11	5531	2,023.70
8/19/2019	12	5532	2,083.78
8/19/2019	13	5533	2,135.22
8/19/2019	14	5534	2,125.19
8/19/2019	15	5535	2,151.71
8/19/2019	16	5536	2,154.58

8/19/2019	17	5537	2,123.57
8/19/2019	18	5538	2,051.74
8/19/2019	19	5539	1,986.42
8/19/2019	20	5540	1,939.80
8/19/2019	21	5541	1,809.92
8/19/2019	22	5542	1,662.07
8/19/2019	23	5543	1,542.04
8/19/2019	24	5544	1,400.87
8/20/2019	1	5545	1,389.74
8/20/2019	2	5546	1,348.14
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8/20/2019	4	5548	1,409.79
8/20/2019	5	5549	1,493.30
8/20/2019	6	5550	1,581.31
8/20/2019	7	5551	1,683.04
8/20/2019	8	5552	1,750.51
8/20/2019	9	5553	1,850.45
8/20/2019	10	5554	1,909.60
8/20/2019	11	5555	1,942.11
8/20/2019	12	5556	1,913.08
8/20/2019	13	5557	1,806.16
8/20/2019	14	5558	1,740.40
8/20/2019	15	5559	1,699.10
8/20/2019	16	5560	1,646.94
8/20/2019	17	5561	1,659.33
8/20/2019	18	5562	1,666.09
8/20/2019	19	5563	1,634.81
8/20/2019	20	5564	1,624.50
8/20/2019	21	5565	1,536.57
8/20/2019	22	5566	1,429.73
8/20/2019	23	5567	1,321.30
8/20/2019	24	5568	1,240.49
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8/21/2019	2	5570	1,235.99
8/21/2019	3	5571	1,248.74
8/21/2019	4	5572	1,301.27
8/21/2019	5	5573	1,402.22
8/21/2019	6	5574	1,472.44
8/21/2019	7	5575	1,533.78
8/21/2019	8	5576	1,636.20
8/21/2019	9	5577	1,732.55
8/21/2019	10	5578	1,831.32
8/21/2019	11	5579	1,940.35
8/21/2019	12	5580	2,024.96
8/21/2019	13	5581	2,090.94
8/21/2019	14	5582	2,100.14
8/21/2019	15	5583	2,081.59
8/21/2019	16	5584	2,053.39
8/21/2019	17	5585	1,974.66
8/21/2019	18	5586	1,915.35
8/21/2019	19	5587	1,872.37
8/21/2019	20	5588	1,820.63
8/21/2019	21	5589	1,706.19
8/21/2019	22	5590	1,585.41
8/21/2019	23	5591	1,478.96
8/21/2019	24	5592	1,402.17
8/22/2019	1	5593	1,335.00
8/22/2019	2	5594	1,307.09
8/22/2019	3	5595	1,302.05
8/22/2019	4	5596	1,355.23
8/22/2019	5	5597	1,447.91
8/22/2019	6	5598	1,524.29
8/22/2019	7	5599	1,580.21

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8/22/2019	9	5601	1,712.70
8/22/2019	10	5602	1,779.75
8/22/2019	11	5603	1,838.74
8/22/2019	12	5604	1,920.49
8/22/2019	13	5605	1,932.60
8/22/2019	14	5606	1,930.44
8/22/2019	15	5607	1,902.46
8/22/2019	16	5608	1,867.05
8/22/2019	17	5609	1,799.17
8/22/2019	18	5610	1,702.11
8/22/2019	19	5611	1,610.37
8/22/2019	20	5612	1,583.79
8/22/2019	21	5613	1,477.42
8/22/2019	22	5614	1,363.58
8/22/2019	23	5615	1,277.65
8/22/2019	24	5616	1,351.66
8/23/2019	1	5617	1,190.77
8/23/2019	2	5618	1,172.10
8/23/2019	3	5619	1,191.63
8/23/2019	4	5620	1,232.35
8/23/2019	5	5621	1,300.23
8/23/2019	6	5622	1,360.68
8/23/2019	7	5623	1,431.31
8/23/2019	8	5624	1,502.27
8/23/2019	9	5625	1,553.42
8/23/2019	10	5626	1,578.38
8/23/2019	11	5627	1,619.94
8/23/2019	12	5628	1,640.13
8/23/2019	13	5629	1,610.94
8/23/2019	14	5630	1,592.71
8/23/2019	15	5631	1,588.45
8/23/2019	16	5632	1,557.88
8/23/2019	17	5633	1,519.83
8/23/2019	18	5634	1,456.12
8/23/2019	19	5635	1,398.70
8/23/2019	20	5636	1,378.66
8/23/2019	21	5637	1,308.37
8/23/2019	22	5638	1,225.11
8/23/2019	23	5639	1,137.63
8/23/2019	24	5640	1,105.01
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8/24/2019	3	5643	1,010.86
8/24/2019	4	5644	1,026.19
8/24/2019	5	5645	1,042.39
8/24/2019	6	5646	1,044.59
8/24/2019	7	5647	1,093.70
8/24/2019	8	5648	1,146.66
8/24/2019	9	5649	1,183.93
8/24/2019	10	5650	1,226.10
8/24/2019	11	5651	1,231.83
8/24/2019	12	5652	1,273.22
8/24/2019	13	5653	1,293.66
8/24/2019	14	5654	1,325.20
8/24/2019	15	5655	1,350.46
8/24/2019	16	5656	1,368.20
8/24/2019	17	5657	1,349.29
8/24/2019	18	5658	1,320.51
8/24/2019	19	5659	1,292.23
8/24/2019	20	5660	1,276.71
8/24/2019	21	5661	1,217.55
8/24/2019	22	5662	1,132.76

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8/24/2019	24	5664	987.02
8/25/2019	1	5665	1,020.50
8/25/2019	2	5666	1,001.85
8/25/2019	3	5667	993.41
8/25/2019	4	5668	980.46
8/25/2019	5	5669	1,004.11
8/25/2019	6	5670	988.42
8/25/2019	7	5671	1,023.21
8/25/2019	8	5672	1,063.49
8/25/2019	9	5673	1,126.04
8/25/2019	10	5674	1,178.63
8/25/2019	11	5675	1,220.51
8/25/2019	12	5676	1,265.75
8/25/2019	13	5677	1,309.90
8/25/2019	14	5678	1,350.66
8/25/2019	15	5679	1,395.99
8/25/2019	16	5680	1,418.90
8/25/2019	17	5681	1,404.69
8/25/2019	18	5682	1,389.14
8/25/2019	19	5683	1,390.72
8/25/2019	20	5684	1,388.61
8/25/2019	21	5685	1,327.62
8/25/2019	22	5686	1,230.35
8/25/2019	23	5687	1,184.11
8/25/2019	24	5688	1,093.19
8/26/2019	1	5689	1,118.10
8/26/2019	2	5690	1,115.09
8/26/2019	3	5691	1,143.29
8/26/2019	4	5692	1,216.07
8/26/2019	5	5693	1,319.67
8/26/2019	6	5694	1,411.34
8/26/2019	7	5695	1,442.33
8/26/2019	8	5696	1,506.29
8/26/2019	9	5697	1,551.20
8/26/2019	10	5698	1,581.96
8/26/2019	11	5699	1,598.64
8/26/2019	12	5700	1,601.99
8/26/2019	13	5701	1,624.20
8/26/2019	14	5702	1,610.00
8/26/2019	15	5703	1,617.11
8/26/2019	16	5704	1,605.31
8/26/2019	17	5705	1,607.25
8/26/2019	18	5706	1,605.03
8/26/2019	19	5707	1,613.86
8/26/2019	20	5708	1,581.20
8/26/2019	21	5709	1,500.49
8/26/2019	22	5710	1,407.84
8/26/2019	23	5711	1,320.22
8/26/2019	24	5712	1,269.27
8/27/2019	1	5713	1,213.76
8/27/2019	2	5714	1,199.86
8/27/2019	3	5715	1,223.82
8/27/2019	4	5716	1,287.48
8/27/2019	5	5717	1,388.60
8/27/2019	6	5718	1,462.92
8/27/2019	7	5719	1,514.03
8/27/2019	8	5720	1,564.82
8/27/2019	9	5721	1,648.86
8/27/2019	10	5722	1,708.57
8/27/2019	11	5723	1,751.71
8/27/2019	12	5724	1,802.91
8/27/2019	13	5725	1,831.98

8/27/2019	14	5726	1,838.84
8/27/2019	15	5727	1,857.19
8/27/2019	16	5728	1,842.11
8/27/2019	17	5729	1,800.21
8/27/2019	18	5730	1,742.52
8/27/2019	19	5731	1,669.46
8/27/2019	20	5732	1,615.46
8/27/2019	21	5733	1,501.74
8/27/2019	22	5734	1,379.58
8/27/2019	23	5735	1,263.61
8/27/2019	24	5736	1,100.77
8/28/2019	1	5737	1,149.69
8/28/2019	2	5738	1,127.46
8/28/2019	3	5739	1,127.30
8/28/2019	4	5740	1,179.08
8/28/2019	5	5741	1,257.59
8/28/2019	6	5742	1,306.70
8/28/2019	7	5743	1,385.45
8/28/2019	8	5744	1,451.48
8/28/2019	9	5745	1,502.16
8/28/2019	10	5746	1,551.74
8/28/2019	11	5747	1,572.29
8/28/2019	12	5748	1,605.33
8/28/2019	13	5749	1,689.16
8/28/2019	14	5750	1,702.64
8/28/2019	15	5751	1,699.33
8/28/2019	16	5752	1,698.68
8/28/2019	17	5753	1,657.51
8/28/2019	18	5754	1,608.71
8/28/2019	19	5755	1,562.35
8/28/2019	20	5756	1,527.40
8/28/2019	21	5757	1,440.15
8/28/2019	22	5758	1,336.48
8/28/2019	23	5759	1,240.45
8/28/2019	24	5760	1,365.93
8/29/2019	1	5761	1,151.59
8/29/2019	2	5762	1,137.95
8/29/2019	3	5763	1,150.90
8/29/2019	4	5764	1,220.55
8/29/2019	5	5765	1,315.60
8/29/2019	6	5766	1,377.32
8/29/2019	7	5767	1,451.47
8/29/2019	8	5768	1,516.78
8/29/2019	9	5769	1,582.86
8/29/2019	10	5770	1,631.75
8/29/2019	11	5771	1,689.71
8/29/2019	12	5772	1,747.62
8/29/2019	13	5773	1,795.52
8/29/2019	14	5774	1,836.83
8/29/2019	15	5775	1,873.47
8/29/2019	16	5776	1,865.95
8/29/2019	17	5777	1,871.37
8/29/2019	18	5778	1,816.33
8/29/2019	19	5779	1,789.69
8/29/2019	20	5780	1,755.61
8/29/2019	21	5781	1,660.20
8/29/2019	22	5782	1,546.04
8/29/2019	23	5783	1,435.33
8/29/2019	24	5784	1,362.25
8/30/2019	1	5785	1,279.02
8/30/2019	2	5786	1,231.23
8/30/2019	3	5787	1,227.91
8/30/2019	4	5788	1,257.30

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8/30/2019	6	5790	1,379.76
8/30/2019	7	5791	1,431.77
8/30/2019	8	5792	1,494.88
8/30/2019	9	5793	1,553.74
8/30/2019	10	5794	1,597.30
8/30/2019	11	5795	1,635.37
8/30/2019	12	5796	1,667.96
8/30/2019	13	5797	1,661.25
8/30/2019	14	5798	1,652.41
8/30/2019	15	5799	1,602.67
8/30/2019	16	5800	1,555.45
8/30/2019	17	5801	1,509.10
8/30/2019	18	5802	1,447.09
8/30/2019	19	5803	1,419.28
8/30/2019	20	5804	1,386.19
8/30/2019	21	5805	1,308.94
8/30/2019	22	5806	1,227.50
8/30/2019	23	5807	1,140.63
8/30/2019	24	5808	1,081.21
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8/31/2019	3	5811	997.31
8/31/2019	4	5812	1,002.06
8/31/2019	5	5813	1,023.29
8/31/2019	6	5814	1,022.75
8/31/2019	7	5815	1,062.88
8/31/2019	8	5816	1,087.19
8/31/2019	9	5817	1,136.60
8/31/2019	10	5818	1,178.59
8/31/2019	11	5819	1,202.72
8/31/2019	12	5820	1,239.83
8/31/2019	13	5821	1,274.53
8/31/2019	14	5822	1,314.14
8/31/2019	15	5823	1,347.41
8/31/2019	16	5824	1,322.11
8/31/2019	17	5825	1,299.38
8/31/2019	18	5826	1,279.94
8/31/2019	19	5827	1,303.15
8/31/2019	20	5828	1,288.47
8/31/2019	21	5829	1,243.08
8/31/2019	22	5830	1,179.20
8/31/2019	23	5831	1,108.90
8/31/2019	24	5832	1,045.66
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9/1/2019	2	5834	1,036.59
9/1/2019	3	5835	1,018.79
9/1/2019	4	5836	929.97
9/1/2019	5	5837	1,038.61
9/1/2019	6	5838	1,030.06
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9/1/2019	9	5841	1,097.34
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9/1/2019	11	5843	1,138.01
9/1/2019	12	5844	1,247.51
9/1/2019	13	5845	1,199.35
9/1/2019	14	5846	1,239.95
9/1/2019	15	5847	1,226.93
9/1/2019	16	5848	1,256.77
9/1/2019	17	5849	1,260.55
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9/1/2019	22	5854	1,115.42
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9/1/2019	24	5856	898.79
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9/2/2019	10	5866	1,297.71
9/2/2019	11	5867	1,378.25
9/2/2019	12	5868	1,443.20
9/2/2019	13	5869	1,520.52
9/2/2019	14	5870	1,579.42
9/2/2019	15	5871	1,622.49
9/2/2019	16	5872	1,646.50
9/2/2019	17	5873	1,650.65
9/2/2019	18	5874	1,630.40
9/2/2019	19	5875	1,575.22
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9/2/2019	21	5877	1,461.92
9/2/2019	22	5878	1,330.09
9/2/2019	23	5879	1,231.20
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9/3/2019	6	5886	1,422.90
9/3/2019	7	5887	1,461.96
9/3/2019	8	5888	1,530.60
9/3/2019	9	5889	1,537.72
9/3/2019	10	5890	1,549.07
9/3/2019	11	5891	1,574.98
9/3/2019	12	5892	1,525.49
9/3/2019	13	5893	1,547.54
9/3/2019	14	5894	1,495.90
9/3/2019	15	5895	1,555.58
9/3/2019	16	5896	1,552.59
9/3/2019	17	5897	1,637.73
9/3/2019	18	5898	1,735.99
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9/3/2019	20	5900	1,665.48
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9/3/2019	24	5904	1,383.03
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9/4/2019	3	5907	1,219.40
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9/4/2019	5	5909	1,322.46
9/4/2019	6	5910	1,376.87
9/4/2019	7	5911	1,392.98
9/4/2019	8	5912	1,523.66
9/4/2019	9	5913	1,534.85
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9/4/2019	12	5916	1,549.43
9/4/2019	13	5917	1,655.09
9/4/2019	14	5918	1,550.43
9/4/2019	15	5919	1,591.98
9/4/2019	16	5920	1,457.61
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9/4/2019	18	5922	1,410.85
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9/4/2019	22	5926	1,247.90
9/4/2019	23	5927	1,161.46
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9/5/2019	2	5930	1,114.90
9/5/2019	3	5931	1,159.54
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9/5/2019	16	5944	1,534.71
9/5/2019	17	5945	1,478.34
9/5/2019	18	5946	1,462.39
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9/5/2019	22	5950	1,225.01
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9/6/2019	14	5966	1,445.57
9/6/2019	15	5967	1,440.34
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9/6/2019	17	5969	1,349.89
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9/6/2019	22	5974	1,193.00
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9/6/2019	24	5976	1,037.77
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9/7/2019	10	5986	1,221.26
9/7/2019	11	5987	1,269.81
9/7/2019	12	5988	1,302.39
9/7/2019	13	5989	1,392.22
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9/7/2019	19	5995	1,369.00
9/7/2019	20	5996	1,363.18
9/7/2019	21	5997	1,293.65
9/7/2019	22	5998	1,209.14
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9/10/2019	6	6054	1,468.91
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9/10/2019	8	6056	1,586.96
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9/10/2019	10	6058	1,780.11
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9/11/2019	8	6080	1,711.16
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9/11/2019	15	6087	2,026.80
9/11/2019	16	6088	2,004.42
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9/11/2019	18	6090	1,804.98
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9/12/2019	22	6118	1,573.40
9/12/2019	23	6119	1,419.84
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9/13/2019	6	6126	1,513.21
9/13/2019	7	6127	1,580.20
9/13/2019	8	6128	1,613.65
9/13/2019	9	6129	1,722.17
9/13/2019	10	6130	1,761.19
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9/13/2019	12	6132	1,861.46
9/13/2019	13	6133	1,881.28
9/13/2019	14	6134	1,844.67
9/13/2019	15	6135	1,812.28
9/13/2019	16	6136	1,774.14
9/13/2019	17	6137	1,639.92
9/13/2019	18	6138	1,552.67
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9/13/2019	20	6140	1,435.45
9/13/2019	21	6141	1,352.26
9/13/2019	22	6142	1,280.25
9/13/2019	23	6143	1,207.14
9/13/2019	24	6144	1,182.28
9/14/2019	1	6145	1,011.48
9/14/2019	2	6146	1,075.24
9/14/2019	3	6147	1,036.84
9/14/2019	4	6148	1,041.76
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9/14/2019	6	6150	1,028.60
9/14/2019	7	6151	1,119.76
9/14/2019	8	6152	1,201.93
9/14/2019	9	6153	1,231.69
9/14/2019	10	6154	1,237.82
9/14/2019	11	6155	1,328.17
9/14/2019	12	6156	1,348.75
9/14/2019	13	6157	1,440.18
9/14/2019	14	6158	1,496.17
9/14/2019	15	6159	1,556.37
9/14/2019	16	6160	1,564.66
9/14/2019	17	6161	1,604.16
9/14/2019	18	6162	1,497.30
9/14/2019	19	6163	1,504.52
9/14/2019	20	6164	1,451.67
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9/14/2019	22	6166	1,258.04

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9/15/2019	1	6169	1,131.08
9/15/2019	2	6170	1,072.29
9/15/2019	3	6171	1,043.59
9/15/2019	4	6172	1,017.15
9/15/2019	5	6173	1,081.12
9/15/2019	6	6174	1,093.10
9/15/2019	7	6175	1,125.38
9/15/2019	8	6176	1,141.48
9/15/2019	9	6177	1,177.47
9/15/2019	10	6178	1,200.31
9/15/2019	11	6179	1,176.90
9/15/2019	12	6180	1,241.88
9/15/2019	13	6181	1,348.67
9/15/2019	14	6182	1,366.60
9/15/2019	15	6183	1,365.13
9/15/2019	16	6184	1,484.94
9/15/2019	17	6185	1,545.17
9/15/2019	18	6186	1,460.68
9/15/2019	19	6187	1,519.69
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9/15/2019	21	6189	1,437.63
9/15/2019	22	6190	1,290.63
9/15/2019	23	6191	1,221.35
9/15/2019	24	6192	1,171.59
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9/16/2019	3	6195	1,150.06
9/16/2019	4	6196	1,208.35
9/16/2019	5	6197	1,324.45
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9/16/2019	11	6203	1,643.19
9/16/2019	12	6204	1,676.59
9/16/2019	13	6205	1,718.97
9/16/2019	14	6206	1,701.36
9/16/2019	15	6207	1,720.22
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9/16/2019	17	6209	1,663.31
9/16/2019	18	6210	1,583.84
9/16/2019	19	6211	1,571.05
9/16/2019	20	6212	1,455.29
9/16/2019	21	6213	1,424.68
9/16/2019	22	6214	1,337.44
9/16/2019	23	6215	1,280.36
9/16/2019	24	6216	1,137.07
9/17/2019	1	6217	1,151.85
9/17/2019	2	6218	1,185.32
9/17/2019	3	6219	1,163.66
9/17/2019	4	6220	1,230.29
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9/17/2019	6	6222	1,406.22
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9/17/2019	8	6224	1,484.45
9/17/2019	9	6225	1,525.12
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9/17/2019	11	6227	1,625.33
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9/17/2019	17	6233	1,753.24
9/17/2019	18	6234	1,661.84
9/17/2019	19	6235	1,637.23
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9/17/2019	21	6237	1,455.59
9/17/2019	22	6238	1,330.76
9/17/2019	23	6239	1,230.65
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9/18/2019	7	6247	1,438.54
9/18/2019	8	6248	1,476.57
9/18/2019	9	6249	1,556.49
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9/18/2019	13	6253	1,743.93
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9/18/2019	17	6257	1,801.27
9/18/2019	18	6258	1,705.93
9/18/2019	19	6259	1,676.77
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9/18/2019	23	6263	1,268.61
9/18/2019	24	6264	1,162.82
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9/19/2019	22	6286	1,330.43
9/19/2019	23	6287	1,257.61
9/19/2019	24	6288	1,215.13
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9/20/2019	3	6291	1,198.59
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9/20/2019	7	6295	1,389.59
9/20/2019	8	6296	1,563.45
9/20/2019	9	6297	1,610.31
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9/20/2019	17	6305	1,925.44
9/20/2019	18	6306	1,782.46
9/20/2019	19	6307	1,735.43
9/20/2019	20	6308	1,706.90
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9/20/2019	24	6312	1,315.89
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9/21/2019	3	6315	1,196.45
9/21/2019	4	6316	1,228.28
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9/21/2019	7	6319	1,242.10
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9/21/2019	9	6321	1,425.25
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9/21/2019	15	6327	1,541.11
9/21/2019	16	6328	1,520.32
9/21/2019	17	6329	1,497.72
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9/21/2019	19	6331	1,462.92
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9/21/2019	22	6334	1,306.66
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9/22/2019	9	6345	1,256.06
9/22/2019	10	6346	1,356.82
9/22/2019	11	6347	1,430.69
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9/22/2019	14	6350	1,441.96
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9/22/2019	17	6353	1,435.36
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9/22/2019	19	6355	1,413.67

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9/22/2019	22	6358	1,308.91
9/22/2019	23	6359	1,228.35
9/22/2019	24	6360	1,102.43
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9/23/2019	7	6367	1,453.13
9/23/2019	8	6368	1,521.94
9/23/2019	9	6369	1,558.27
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9/23/2019	12	6372	1,571.98
9/23/2019	13	6373	1,635.90
9/23/2019	14	6374	1,616.48
9/23/2019	15	6375	1,593.71
9/23/2019	16	6376	1,563.07
9/23/2019	17	6377	1,497.76
9/23/2019	18	6378	1,425.36
9/23/2019	19	6379	1,462.10
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9/23/2019	22	6382	1,260.33
9/23/2019	23	6383	1,078.25
9/23/2019	24	6384	1,075.22
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9/24/2019	2	6386	1,036.67
9/24/2019	3	6387	1,063.60
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9/24/2019	6	6390	1,279.81
9/24/2019	7	6391	1,298.34
9/24/2019	8	6392	1,358.43
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9/24/2019	11	6395	1,449.80
9/24/2019	12	6396	1,505.36
9/24/2019	13	6397	1,552.91
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9/24/2019	17	6401	1,558.21
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9/25/2019	9	6417	1,472.81
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9/25/2019	15	6423	1,570.68
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9/25/2019	17	6425	1,563.16
9/25/2019	18	6426	1,584.58
9/25/2019	19	6427	1,522.23
9/25/2019	20	6428	1,439.09
9/25/2019	21	6429	1,384.83
9/25/2019	22	6430	1,254.92
9/25/2019	23	6431	1,205.33
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9/26/2019	7	6439	1,376.99
9/26/2019	8	6440	1,389.94
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9/26/2019	11	6443	1,506.05
9/26/2019	12	6444	1,478.28
9/26/2019	13	6445	1,461.19
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9/26/2019	16	6448	1,458.60
9/26/2019	17	6449	1,469.50
9/26/2019	18	6450	1,354.97
9/26/2019	19	6451	1,373.53
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9/27/2019	10	6466	1,379.45
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9/27/2019	13	6469	1,378.93
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9/29/2019	3	6507	968.07
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9/30/2019	3	6531	1,068.58
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9/30/2019	21	6549	1,630.84
9/30/2019	22	6550	1,495.16
9/30/2019	23	6551	1,417.86
9/30/2019	24	6552	1,360.68
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10/1/2019	2	6554	1,225.34
10/1/2019	3	6555	1,230.53
10/1/2019	4	6556	1,309.64
10/1/2019	5	6557	1,379.86
10/1/2019	6	6558	1,487.67
10/1/2019	7	6559	1,465.50
10/1/2019	8	6560	1,659.38
10/1/2019	9	6561	1,720.26
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10/1/2019	19	6571	1,923.10
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10/2/2019	3	6579	1,311.34
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10/2/2019	12	6588	1,594.62
10/2/2019	13	6589	1,560.74
10/2/2019	14	6590	1,543.14
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10/2/2019	16	6592	1,459.78
10/2/2019	17	6593	1,427.73
10/2/2019	18	6594	1,446.00
10/2/2019	19	6595	1,414.03
10/2/2019	20	6596	1,336.95
10/2/2019	21	6597	1,305.94
10/2/2019	22	6598	1,227.46
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10/2/2019	24	6600	1,223.46
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10/3/2019	17	6617	1,351.98
10/3/2019	18	6618	1,327.80
10/3/2019	19	6619	1,381.37
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10/3/2019	21	6621	1,274.83
10/3/2019	22	6622	1,168.75
10/3/2019	23	6623	1,068.13
10/3/2019	24	6624	1,170.22
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10/4/2019	3	6627	1,006.66
10/4/2019	4	6628	1,096.04
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10/4/2019	22	6646	1,133.15
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10/5/2019	16	6664	1,136.12
10/5/2019	17	6665	1,138.18
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10/6/2019	15	6687	1,140.36
10/6/2019	16	6688	1,113.37
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10/6/2019	18	6690	1,174.54
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10/20/2019	24	7032	1,048.70
10/21/2019	1	7033	974.65
10/21/2019	2	7034	988.67
10/21/2019	3	7035	1,010.52
10/21/2019	4	7036	1,111.35
10/21/2019	5	7037	1,172.22
10/21/2019	6	7038	1,281.12
10/21/2019	7	7039	1,335.60
10/21/2019	8	7040	1,363.88
10/21/2019	9	7041	1,391.25
10/21/2019	10	7042	1,269.75
10/21/2019	11	7043	1,384.65
10/21/2019	12	7044	1,386.06
10/21/2019	13	7045	1,313.20
10/21/2019	14	7046	1,314.81
10/21/2019	15	7047	1,252.21
10/21/2019	16	7048	1,249.45

10/21/2019	17	7049	1,278.57
10/21/2019	18	7050	1,304.19
10/21/2019	19	7051	1,238.28
10/21/2019	20	7052	1,254.71
10/21/2019	21	7053	1,198.00
10/21/2019	22	7054	1,116.26
10/21/2019	23	7055	1,029.46
10/21/2019	24	7056	1,012.19
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10/22/2019	3	7059	1,024.39
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10/22/2019	5	7061	1,213.55
10/22/2019	6	7062	1,302.32
10/22/2019	7	7063	1,340.80
10/22/2019	8	7064	1,381.47
10/22/2019	9	7065	1,341.69
10/22/2019	10	7066	1,382.23
10/22/2019	11	7067	1,357.77
10/22/2019	12	7068	1,343.27
10/22/2019	13	7069	1,335.98
10/22/2019	14	7070	1,262.50
10/22/2019	15	7071	1,255.86
10/22/2019	16	7072	1,262.44
10/22/2019	17	7073	1,268.45
10/22/2019	18	7074	1,274.37
10/22/2019	19	7075	1,296.18
10/22/2019	20	7076	1,282.31
10/22/2019	21	7077	1,220.91
10/22/2019	22	7078	1,109.14
10/22/2019	23	7079	1,111.88
10/22/2019	24	7080	995.78
10/23/2019	1	7081	1,037.06
10/23/2019	2	7082	1,036.74
10/23/2019	3	7083	1,062.60
10/23/2019	4	7084	1,136.79
10/23/2019	5	7085	1,225.51
10/23/2019	6	7086	1,330.08
10/23/2019	7	7087	1,364.57
10/23/2019	8	7088	1,368.30
10/23/2019	9	7089	1,383.06
10/23/2019	10	7090	1,345.98
10/23/2019	11	7091	1,343.61
10/23/2019	12	7092	1,351.23
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10/23/2019	14	7094	1,271.61
10/23/2019	15	7095	1,249.30
10/23/2019	16	7096	1,249.01
10/23/2019	17	7097	1,268.63
10/23/2019	18	7098	1,288.02
10/23/2019	19	7099	1,313.48
10/23/2019	20	7100	1,273.41
10/23/2019	21	7101	1,203.78
10/23/2019	22	7102	1,143.68
10/23/2019	23	7103	1,088.35
10/23/2019	24	7104	1,011.35
10/24/2019	1	7105	1,023.85
10/24/2019	2	7106	1,056.73
10/24/2019	3	7107	1,088.09
10/24/2019	4	7108	1,154.19
10/24/2019	5	7109	1,242.37
10/24/2019	6	7110	1,324.69
10/24/2019	7	7111	1,378.79

10/24/2019	8	7112	1,387.06
10/24/2019	9	7113	1,417.23
10/24/2019	10	7114	1,435.50
10/24/2019	11	7115	1,410.93
10/24/2019	12	7116	1,435.20
10/24/2019	13	7117	1,362.73
10/24/2019	14	7118	1,292.52
10/24/2019	15	7119	1,282.56
10/24/2019	16	7120	1,272.09
10/24/2019	17	7121	1,297.18
10/24/2019	18	7122	1,380.07
10/24/2019	19	7123	1,296.93
10/24/2019	20	7124	1,298.89
10/24/2019	21	7125	1,225.54
10/24/2019	22	7126	1,170.99
10/24/2019	23	7127	1,091.65
10/24/2019	24	7128	1,129.10
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10/25/2019	2	7130	1,046.27
10/25/2019	3	7131	1,086.58
10/25/2019	4	7132	1,142.85
10/25/2019	5	7133	1,243.20
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10/25/2019	8	7136	1,330.57
10/25/2019	9	7137	1,414.51
10/25/2019	10	7138	1,341.45
10/25/2019	11	7139	1,364.14
10/25/2019	12	7140	1,350.72
10/25/2019	13	7141	1,280.90
10/25/2019	14	7142	1,243.06
10/25/2019	15	7143	1,204.70
10/25/2019	16	7144	1,248.92
10/25/2019	17	7145	1,261.30
10/25/2019	18	7146	1,282.74
10/25/2019	19	7147	1,232.38
10/25/2019	20	7148	1,254.40
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10/26/2019	7	7159	1,139.43
10/26/2019	8	7160	1,205.50
10/26/2019	9	7161	1,141.19
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10/26/2019	11	7163	1,190.05
10/26/2019	12	7164	1,127.82
10/26/2019	13	7165	1,179.42
10/26/2019	14	7166	1,142.77
10/26/2019	15	7167	1,166.15
10/26/2019	16	7168	1,127.11
10/26/2019	17	7169	1,191.59
10/26/2019	18	7170	1,231.18
10/26/2019	19	7171	1,158.48
10/26/2019	20	7172	1,173.20
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10/26/2019	22	7174	1,058.57

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10/27/2019	20	7196	1,165.95
10/27/2019	21	7197	1,076.92
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10/28/2019	6	7206	1,310.74
10/28/2019	7	7207	1,359.48
10/28/2019	8	7208	1,341.42
10/28/2019	9	7209	1,418.71
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10/28/2019	11	7211	1,320.68
10/28/2019	12	7212	1,436.42
10/28/2019	13	7213	1,343.03
10/28/2019	14	7214	1,296.17
10/28/2019	15	7215	1,332.23
10/28/2019	16	7216	1,261.95
10/28/2019	17	7217	1,293.12
10/28/2019	18	7218	1,319.02
10/28/2019	19	7219	1,298.72
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10/28/2019	23	7223	1,087.61
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10/29/2019	5	7229	1,239.40
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10/30/2019	17	7265	1,388.86
10/30/2019	18	7266	1,373.89
10/30/2019	19	7267	1,381.36
10/30/2019	20	7268	1,323.82
10/30/2019	21	7269	1,267.23
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10/30/2019	23	7271	1,129.79
10/30/2019	24	7272	1,011.39
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10/31/2019	14	7286	1,391.85
10/31/2019	15	7287	1,362.88
10/31/2019	16	7288	1,371.78
10/31/2019	17	7289	1,350.80
10/31/2019	18	7290	1,393.59
10/31/2019	19	7291	1,350.37
10/31/2019	20	7292	1,366.06
10/31/2019	21	7293	1,321.52
10/31/2019	22	7294	1,215.64
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11/1/2019	13	7309	1,325.22
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11/1/2019	17	7313	1,318.42
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11/1/2019	19	7315	1,344.49
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11/1/2019	21	7317	1,215.06
11/1/2019	22	7318	1,205.29
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11/2/2019	2	7322	1,043.10
11/2/2019	3	7323	1,056.73
11/2/2019	4	7324	1,053.62
11/2/2019	5	7325	1,060.91
11/2/2019	6	7326	1,133.06
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11/2/2019	17	7337	1,212.91
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11/3/2019	1	7345	1,035.78
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11/3/2019	3	7347	1,020.87
11/3/2019	4	7348	1,066.23
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11/3/2019	10	7354	1,099.50
11/3/2019	11	7355	1,110.43
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11/3/2019	17	7361	1,113.83
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11/5/2019	15	7407	1,324.97
11/5/2019	16	7408	1,324.59
11/5/2019	17	7409	1,313.94
11/5/2019	18	7410	1,406.13
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11/5/2019	21	7413	1,328.96
11/5/2019	22	7414	1,264.08
11/5/2019	23	7415	1,225.30
11/5/2019	24	7416	1,142.21
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11/6/2019	17	7433	1,335.36
11/6/2019	18	7434	1,407.96
11/6/2019	19	7435	1,360.43
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11/6/2019	21	7437	1,299.92
11/6/2019	22	7438	1,299.01
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11/7/2019	9	7449	1,518.21
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11/7/2019	11	7451	1,474.83
11/7/2019	12	7452	1,445.12
11/7/2019	13	7453	1,426.27
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11/7/2019	15	7455	1,305.97
11/7/2019	16	7456	1,388.87
11/7/2019	17	7457	1,435.65
11/7/2019	18	7458	1,438.24
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11/7/2019	22	7462	1,323.89
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11/8/2019	17	7481	1,373.59
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11/8/2019	20	7484	1,344.50
11/8/2019	21	7485	1,364.48
11/8/2019	22	7486	1,251.69
11/8/2019	23	7487	1,253.22
11/8/2019	24	7488	1,138.28
11/9/2019	1	7489	1,147.98

11/9/2019	2	7490	1,046.76
11/9/2019	3	7491	1,038.45
11/9/2019	4	7492	1,034.73
11/9/2019	5	7493	1,084.13
11/9/2019	6	7494	1,158.69
11/9/2019	7	7495	1,265.90
11/9/2019	8	7496	1,252.97
11/9/2019	9	7497	1,235.29
11/9/2019	10	7498	1,239.50
11/9/2019	11	7499	1,202.21
11/9/2019	12	7500	1,093.10
11/9/2019	13	7501	1,100.91
11/9/2019	14	7502	1,109.82
11/9/2019	15	7503	1,178.90
11/9/2019	16	7504	1,193.98
11/9/2019	17	7505	1,193.11
11/9/2019	18	7506	1,188.66
11/9/2019	19	7507	1,134.14
11/9/2019	20	7508	1,204.51
11/9/2019	21	7509	1,173.12
11/9/2019	22	7510	1,159.74
11/9/2019	23	7511	1,110.18
11/9/2019	24	7512	1,033.37
11/10/2019	1	7513	1,026.25
11/10/2019	2	7514	999.03
11/10/2019	3	7515	1,022.26
11/10/2019	4	7516	986.46
11/10/2019	5	7517	1,006.91
11/10/2019	6	7518	1,016.71
11/10/2019	7	7519	1,086.78
11/10/2019	8	7520	1,055.37
11/10/2019	9	7521	1,022.58
11/10/2019	10	7522	1,089.37
11/10/2019	11	7523	1,079.02
11/10/2019	12	7524	1,074.60
11/10/2019	13	7525	1,091.55
11/10/2019	14	7526	1,111.96
11/10/2019	15	7527	1,093.31
11/10/2019	16	7528	1,140.48
11/10/2019	17	7529	1,211.54
11/10/2019	18	7530	1,166.32
11/10/2019	19	7531	1,179.71
11/10/2019	20	7532	1,176.65
11/10/2019	21	7533	1,136.26
11/10/2019	22	7534	1,139.87
11/10/2019	23	7535	1,062.83
11/10/2019	24	7536	980.87
11/11/2019	1	7537	1,016.74
11/11/2019	2	7538	968.93
11/11/2019	3	7539	994.28
11/11/2019	4	7540	1,013.94
11/11/2019	5	7541	1,095.49
11/11/2019	6	7542	1,192.06
11/11/2019	7	7543	1,275.05
11/11/2019	8	7544	1,301.20
11/11/2019	9	7545	1,326.77
11/11/2019	10	7546	1,434.79
11/11/2019	11	7547	1,402.70
11/11/2019	12	7548	1,407.90
11/11/2019	13	7549	1,369.41
11/11/2019	14	7550	1,381.15
11/11/2019	15	7551	1,359.76
11/11/2019	16	7552	1,386.35

11/11/2019	17	7553	1,492.90
11/11/2019	18	7554	1,422.60
11/11/2019	19	7555	1,350.51
11/11/2019	20	7556	1,295.29
11/11/2019	21	7557	1,277.18
11/11/2019	22	7558	1,191.93
11/11/2019	23	7559	1,204.91
11/11/2019	24	7560	1,215.83
11/12/2019	1	7561	1,151.40
11/12/2019	2	7562	1,171.18
11/12/2019	3	7563	1,233.79
11/12/2019	4	7564	1,315.81
11/12/2019	5	7565	1,341.26
11/12/2019	6	7566	1,454.99
11/12/2019	7	7567	1,475.83
11/12/2019	8	7568	1,482.16
11/12/2019	9	7569	1,515.82
11/12/2019	10	7570	1,492.66
11/12/2019	11	7571	1,513.03
11/12/2019	12	7572	1,502.31
11/12/2019	13	7573	1,470.80
11/12/2019	14	7574	1,443.45
11/12/2019	15	7575	1,390.54
11/12/2019	16	7576	1,382.85
11/12/2019	17	7577	1,380.76
11/12/2019	18	7578	1,392.30
11/12/2019	19	7579	1,439.48
11/12/2019	20	7580	1,472.09
11/12/2019	21	7581	1,430.16
11/12/2019	22	7582	1,360.33
11/12/2019	23	7583	1,304.26
11/12/2019	24	7584	1,196.07
11/13/2019	1	7585	1,252.72
11/13/2019	2	7586	1,242.79
11/13/2019	3	7587	1,218.15
11/13/2019	4	7588	1,254.00
11/13/2019	5	7589	1,329.75
11/13/2019	6	7590	1,410.04
11/13/2019	7	7591	1,493.66
11/13/2019	8	7592	1,553.31
11/13/2019	9	7593	1,571.67
11/13/2019	10	7594	1,637.00
11/13/2019	11	7595	1,567.21
11/13/2019	12	7596	1,572.32
11/13/2019	13	7597	1,530.46
11/13/2019	14	7598	1,513.85
11/13/2019	15	7599	1,444.50
11/13/2019	16	7600	1,462.99
11/13/2019	17	7601	1,507.34
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11/13/2019	19	7603	1,503.32
11/13/2019	20	7604	1,492.11
11/13/2019	21	7605	1,384.15
11/13/2019	22	7606	1,396.47
11/13/2019	23	7607	1,295.54
11/13/2019	24	7608	1,373.70
11/14/2019	1	7609	1,238.47
11/14/2019	2	7610	1,202.54
11/14/2019	3	7611	1,184.20
11/14/2019	4	7612	1,194.64
11/14/2019	5	7613	1,305.71
11/14/2019	6	7614	1,474.74
11/14/2019	7	7615	1,444.04

11/14/2019	8	7616	1,447.59
11/14/2019	9	7617	1,593.45
11/14/2019	10	7618	1,485.61
11/14/2019	11	7619	1,448.90
11/14/2019	12	7620	1,426.31
11/14/2019	13	7621	1,448.22
11/14/2019	14	7622	1,451.96
11/14/2019	15	7623	1,350.87
11/14/2019	16	7624	1,373.36
11/14/2019	17	7625	1,397.68
11/14/2019	18	7626	1,413.99
11/14/2019	19	7627	1,387.03
11/14/2019	20	7628	1,345.29
11/14/2019	21	7629	1,293.48
11/14/2019	22	7630	1,262.66
11/14/2019	23	7631	1,222.79
11/14/2019	24	7632	1,239.46
11/15/2019	1	7633	1,126.10
11/15/2019	2	7634	1,207.22
11/15/2019	3	7635	1,143.70
11/15/2019	4	7636	1,196.06
11/15/2019	5	7637	1,367.07
11/15/2019	6	7638	1,437.77
11/15/2019	7	7639	1,495.29
11/15/2019	8	7640	1,445.21
11/15/2019	9	7641	1,444.90
11/15/2019	10	7642	1,400.19
11/15/2019	11	7643	1,457.23
11/15/2019	12	7644	1,397.18
11/15/2019	13	7645	1,405.48
11/15/2019	14	7646	1,374.59
11/15/2019	15	7647	1,340.19
11/15/2019	16	7648	1,335.86
11/15/2019	17	7649	1,344.19
11/15/2019	18	7650	1,363.62
11/15/2019	19	7651	1,348.35
11/15/2019	20	7652	1,319.49
11/15/2019	21	7653	1,297.76
11/15/2019	22	7654	1,238.43
11/15/2019	23	7655	1,208.37
11/15/2019	24	7656	1,133.08
11/16/2019	1	7657	1,058.34
11/16/2019	2	7658	1,043.37
11/16/2019	3	7659	1,123.61
11/16/2019	4	7660	1,126.52
11/16/2019	5	7661	1,174.25
11/16/2019	6	7662	1,175.05
11/16/2019	7	7663	1,183.89
11/16/2019	8	7664	1,175.83
11/16/2019	9	7665	1,274.75
11/16/2019	10	7666	1,204.45
11/16/2019	11	7667	1,226.79
11/16/2019	12	7668	1,193.23
11/16/2019	13	7669	1,185.61
11/16/2019	14	7670	1,130.69
11/16/2019	15	7671	1,156.08
11/16/2019	16	7672	1,156.08
11/16/2019	17	7673	1,215.08
11/16/2019	18	7674	1,212.23
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11/16/2019	20	7676	1,207.55
11/16/2019	21	7677	1,212.74
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11/17/2019	3	7683	1,104.36
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11/17/2019	5	7685	1,076.90
11/17/2019	6	7686	1,129.68
11/17/2019	7	7687	1,127.13
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11/17/2019	9	7689	1,139.03
11/17/2019	10	7690	1,161.71
11/17/2019	11	7691	1,162.36
11/17/2019	12	7692	1,165.89
11/17/2019	13	7693	1,184.27
11/17/2019	14	7694	1,176.37
11/17/2019	15	7695	1,190.54
11/17/2019	16	7696	1,197.77
11/17/2019	17	7697	1,223.03
11/17/2019	18	7698	1,343.82
11/17/2019	19	7699	1,263.71
11/17/2019	20	7700	1,221.73
11/17/2019	21	7701	1,166.20
11/17/2019	22	7702	1,106.46
11/17/2019	23	7703	1,083.67
11/17/2019	24	7704	1,083.93
11/18/2019	1	7705	1,079.01
11/18/2019	2	7706	1,089.79
11/18/2019	3	7707	1,163.84
11/18/2019	4	7708	1,188.89
11/18/2019	5	7709	1,266.16
11/18/2019	6	7710	1,287.64
11/18/2019	7	7711	1,355.44
11/18/2019	8	7712	1,418.14
11/18/2019	9	7713	1,397.23
11/18/2019	10	7714	1,458.54
11/18/2019	11	7715	1,440.73
11/18/2019	12	7716	1,428.76
11/18/2019	13	7717	1,449.93
11/18/2019	14	7718	1,438.52
11/18/2019	15	7719	1,369.87
11/18/2019	16	7720	1,380.00
11/18/2019	17	7721	1,393.37
11/18/2019	18	7722	1,368.29
11/18/2019	19	7723	1,397.56
11/18/2019	20	7724	1,419.91
11/18/2019	21	7725	1,279.95
11/18/2019	22	7726	1,294.01
11/18/2019	23	7727	1,154.42
11/18/2019	24	7728	1,078.15
11/19/2019	1	7729	1,100.77
11/19/2019	2	7730	1,118.39
11/19/2019	3	7731	1,176.02
11/19/2019	4	7732	1,246.54
11/19/2019	5	7733	1,252.56
11/19/2019	6	7734	1,287.23
11/19/2019	7	7735	1,375.16
11/19/2019	8	7736	1,334.82
11/19/2019	9	7737	1,390.96
11/19/2019	10	7738	1,388.17
11/19/2019	11	7739	1,394.09
11/19/2019	12	7740	1,387.53
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11/19/2019	14	7742	1,353.17
11/19/2019	15	7743	1,322.74
11/19/2019	16	7744	1,295.83
11/19/2019	17	7745	1,321.87
11/19/2019	18	7746	1,398.22
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11/19/2019	21	7749	1,285.25
11/19/2019	22	7750	1,209.10
11/19/2019	23	7751	1,118.34
11/19/2019	24	7752	1,045.33
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11/20/2019	2	7754	1,135.28
11/20/2019	3	7755	1,186.14
11/20/2019	4	7756	1,227.27
11/20/2019	5	7757	1,287.64
11/20/2019	6	7758	1,345.73
11/20/2019	7	7759	1,400.17
11/20/2019	8	7760	1,429.21
11/20/2019	9	7761	1,440.73
11/20/2019	10	7762	1,411.78
11/20/2019	11	7763	1,404.47
11/20/2019	12	7764	1,392.58
11/20/2019	13	7765	1,396.57
11/20/2019	14	7766	1,392.06
11/20/2019	15	7767	1,342.77
11/20/2019	16	7768	1,371.87
11/20/2019	17	7769	1,382.82
11/20/2019	18	7770	1,408.17
11/20/2019	19	7771	1,400.23
11/20/2019	20	7772	1,383.95
11/20/2019	21	7773	1,312.17
11/20/2019	22	7774	1,199.79
11/20/2019	23	7775	1,198.14
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11/21/2019	1	7777	1,199.02
11/21/2019	2	7778	1,141.62
11/21/2019	3	7779	1,202.28
11/21/2019	4	7780	1,221.50
11/21/2019	5	7781	1,303.03
11/21/2019	6	7782	1,344.59
11/21/2019	7	7783	1,459.63
11/21/2019	8	7784	1,430.02
11/21/2019	9	7785	1,476.20
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11/21/2019	11	7787	1,490.75
11/21/2019	12	7788	1,468.03
11/21/2019	13	7789	1,471.02
11/21/2019	14	7790	1,407.10
11/21/2019	15	7791	1,354.08
11/21/2019	16	7792	1,426.17
11/21/2019	17	7793	1,385.96
11/21/2019	18	7794	1,393.30
11/21/2019	19	7795	1,352.31
11/21/2019	20	7796	1,369.87
11/21/2019	21	7797	1,262.26
11/21/2019	22	7798	1,198.55
11/21/2019	23	7799	1,113.15
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11/22/2019	1	7801	1,191.38
11/22/2019	2	7802	1,112.88
11/22/2019	3	7803	1,136.64
11/22/2019	4	7804	1,145.63

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11/22/2019	7	7807	1,377.89
11/22/2019	8	7808	1,406.13
11/22/2019	9	7809	1,461.73
11/22/2019	10	7810	1,511.83
11/22/2019	11	7811	1,553.27
11/22/2019	12	7812	1,436.05
11/22/2019	13	7813	1,344.55
11/22/2019	14	7814	1,238.98
11/22/2019	15	7815	1,227.58
11/22/2019	16	7816	1,170.18
11/22/2019	17	7817	1,267.47
11/22/2019	18	7818	1,188.75
11/22/2019	19	7819	1,236.10
11/22/2019	20	7820	1,308.95
11/22/2019	21	7821	1,367.01
11/22/2019	22	7822	1,339.82
11/22/2019	23	7823	1,270.02
11/22/2019	24	7824	1,222.52
11/23/2019	1	7825	1,179.32
11/23/2019	2	7826	1,132.23
11/23/2019	3	7827	1,153.43
11/23/2019	4	7828	1,134.86
11/23/2019	5	7829	1,175.19
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11/23/2019	7	7831	1,221.38
11/23/2019	8	7832	1,246.56
11/23/2019	9	7833	1,271.15
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11/23/2019	11	7835	1,243.37
11/23/2019	12	7836	1,276.97
11/23/2019	13	7837	1,247.71
11/23/2019	14	7838	1,233.55
11/23/2019	15	7839	1,258.53
11/23/2019	16	7840	1,272.14
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11/23/2019	22	7846	1,223.00
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11/24/2019	10	7858	1,153.80
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11/25/2019	8	7880	1,418.95
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11/25/2019	12	7884	1,442.90
11/25/2019	13	7885	1,430.39
11/25/2019	14	7886	1,370.56
11/25/2019	15	7887	1,335.19
11/25/2019	16	7888	1,284.92
11/25/2019	17	7889	1,324.52
11/25/2019	18	7890	1,403.09
11/25/2019	19	7891	1,378.54
11/25/2019	20	7892	1,372.27
11/25/2019	21	7893	1,339.35
11/25/2019	22	7894	1,278.54
11/25/2019	23	7895	1,209.93
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11/26/2019	11	7907	1,411.36
11/26/2019	12	7908	1,399.75
11/26/2019	13	7909	1,399.01
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11/26/2019	17	7913	1,379.34
11/26/2019	18	7914	1,364.84
11/26/2019	19	7915	1,358.85
11/26/2019	20	7916	1,297.45
11/26/2019	21	7917	1,246.56
11/26/2019	22	7918	1,099.07
11/26/2019	23	7919	1,068.39
11/26/2019	24	7920	1,121.58
11/27/2019	1	7921	1,036.85
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11/27/2019	9	7929	1,447.57
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11/27/2019	14	7934	1,393.78
11/27/2019	15	7935	1,375.84
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11/27/2019	17	7937	1,357.78
11/27/2019	18	7938	1,368.09
11/27/2019	19	7939	1,342.45
11/27/2019	20	7940	1,327.75
11/27/2019	21	7941	1,283.97
11/27/2019	22	7942	1,245.98
11/27/2019	23	7943	1,155.18
11/27/2019	24	7944	945.72
11/28/2019	1	7945	1,050.57
11/28/2019	2	7946	1,025.10
11/28/2019	3	7947	1,019.12
11/28/2019	4	7948	1,024.40
11/28/2019	5	7949	1,015.38
11/28/2019	6	7950	1,036.20
11/28/2019	7	7951	1,044.62
11/28/2019	8	7952	1,073.55
11/28/2019	9	7953	1,086.44
11/28/2019	10	7954	1,132.53
11/28/2019	11	7955	1,142.83
11/28/2019	12	7956	1,097.26
11/28/2019	13	7957	1,096.42
11/28/2019	14	7958	1,079.12
11/28/2019	15	7959	1,045.96
11/28/2019	16	7960	1,071.14
11/28/2019	17	7961	1,092.66
11/28/2019	18	7962	1,088.20
11/28/2019	19	7963	1,115.51
11/28/2019	20	7964	1,111.55
11/28/2019	21	7965	1,091.45
11/28/2019	22	7966	1,068.17
11/28/2019	23	7967	1,062.72
11/28/2019	24	7968	1,025.81
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11/29/2019	2	7970	949.52
11/29/2019	3	7971	986.23
11/29/2019	4	7972	971.11
11/29/2019	5	7973	991.25
11/29/2019	6	7974	1,030.39
11/29/2019	7	7975	1,039.18
11/29/2019	8	7976	1,086.87
11/29/2019	9	7977	1,090.90
11/29/2019	10	7978	1,129.18
11/29/2019	11	7979	1,117.02
11/29/2019	12	7980	1,111.45
11/29/2019	13	7981	1,170.93
11/29/2019	14	7982	1,113.57
11/29/2019	15	7983	1,129.07
11/29/2019	16	7984	1,172.35
11/29/2019	17	7985	1,141.87
11/29/2019	18	7986	1,221.11
11/29/2019	19	7987	1,223.12
11/29/2019	20	7988	1,187.75
11/29/2019	21	7989	1,214.84
11/29/2019	22	7990	1,143.71
11/29/2019	23	7991	1,096.60
11/29/2019	24	7992	1,172.03
11/30/2019	1	7993	998.55

11/30/2019	2	7994	994.84
11/30/2019	3	7995	1,014.44
11/30/2019	4	7996	1,018.33
11/30/2019	5	7997	1,038.90
11/30/2019	6	7998	1,042.21
11/30/2019	7	7999	1,071.05
11/30/2019	8	8000	1,106.70
11/30/2019	9	8001	1,156.35
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11/30/2019	11	8003	1,221.79
11/30/2019	12	8004	1,228.23
11/30/2019	13	8005	1,170.59
11/30/2019	14	8006	1,210.30
11/30/2019	15	8007	1,180.92
11/30/2019	16	8008	1,211.67
11/30/2019	17	8009	1,281.77
11/30/2019	18	8010	1,268.42
11/30/2019	19	8011	1,277.30
11/30/2019	20	8012	1,250.08
11/30/2019	21	8013	1,220.41
11/30/2019	22	8014	1,168.66
11/30/2019	23	8015	1,184.83
11/30/2019	24	8016	1,113.19
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12/1/2019	10	8026	1,094.42
12/1/2019	11	8027	1,089.13
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12/1/2019	13	8029	1,166.18
12/1/2019	14	8030	1,140.15
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12/1/2019	16	8032	1,160.50
12/1/2019	17	8033	1,222.53
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12/1/2019	19	8035	1,252.58
12/1/2019	20	8036	1,254.28
12/1/2019	21	8037	1,218.01
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12/1/2019	23	8039	1,125.37
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12/2/2019	3	8043	1,087.80
12/2/2019	4	8044	1,097.80
12/2/2019	5	8045	1,112.37
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12/2/2019	7	8047	1,385.34
12/2/2019	8	8048	1,405.10
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12/2/2019	11	8051	1,489.28
12/2/2019	12	8052	1,486.78
12/2/2019	13	8053	1,506.01
12/2/2019	14	8054	1,446.74
12/2/2019	15	8055	1,462.86
12/2/2019	16	8056	1,434.62

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12/2/2019	18	8058	1,448.64
12/2/2019	19	8059	1,480.20
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12/2/2019	21	8061	1,421.06
12/2/2019	22	8062	1,365.08
12/2/2019	23	8063	1,270.35
12/2/2019	24	8064	1,049.20
12/3/2019	1	8065	1,212.55
12/3/2019	2	8066	1,146.39
12/3/2019	3	8067	1,168.51
12/3/2019	4	8068	1,194.26
12/3/2019	5	8069	1,245.51
12/3/2019	6	8070	1,367.66
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12/3/2019	10	8074	1,473.92
12/3/2019	11	8075	1,507.03
12/3/2019	12	8076	1,516.82
12/3/2019	13	8077	1,449.10
12/3/2019	14	8078	1,402.41
12/3/2019	15	8079	1,377.70
12/3/2019	16	8080	1,321.52
12/3/2019	17	8081	1,430.19
12/3/2019	18	8082	1,466.59
12/3/2019	19	8083	1,470.65
12/3/2019	20	8084	1,501.00
12/3/2019	21	8085	1,409.47
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12/4/2019	7	8095	1,502.94
12/4/2019	8	8096	1,465.81
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12/4/2019	17	8105	1,440.12
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12/7/2019	10	8170	1,247.75
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12/7/2019	14	8174	1,174.75
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12/7/2019	17	8177	1,286.50
12/7/2019	18	8178	1,285.78
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12/7/2019	22	8182	1,235.27

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12/8/2019	17	8201	1,283.84
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12/16/2019	14	8390	1,426.34
12/16/2019	15	8391	1,496.70
12/16/2019	16	8392	1,442.04
12/16/2019	17	8393	1,524.93
12/16/2019	18	8394	1,497.29
12/16/2019	19	8395	1,473.42
12/16/2019	20	8396	1,460.37
12/16/2019	21	8397	1,515.26
12/16/2019	22	8398	1,375.53
12/16/2019	23	8399	1,332.14
12/16/2019	24	8400	1,287.29
12/17/2019	1	8401	1,246.00
12/17/2019	2	8402	1,227.04
12/17/2019	3	8403	1,181.52
12/17/2019	4	8404	1,190.10
12/17/2019	5	8405	1,350.83
12/17/2019	6	8406	1,423.13
12/17/2019	7	8407	1,461.29
12/17/2019	8	8408	1,548.85
12/17/2019	9	8409	1,475.96
12/17/2019	10	8410	1,557.91
12/17/2019	11	8411	1,530.90
12/17/2019	12	8412	1,501.81
12/17/2019	13	8413	1,485.65
12/17/2019	14	8414	1,466.53
12/17/2019	15	8415	1,384.60
12/17/2019	16	8416	1,429.08
12/17/2019	17	8417	1,512.16
12/17/2019	18	8418	1,546.80
12/17/2019	19	8419	1,557.46
12/17/2019	20	8420	1,554.77
12/17/2019	21	8421	1,523.60
12/17/2019	22	8422	1,419.26
12/17/2019	23	8423	1,320.14
12/17/2019	24	8424	1,315.26
12/18/2019	1	8425	1,248.12
12/18/2019	2	8426	1,215.88
12/18/2019	3	8427	1,254.93
12/18/2019	4	8428	1,276.99
12/18/2019	5	8429	1,339.32
12/18/2019	6	8430	1,394.83
12/18/2019	7	8431	1,487.78
12/18/2019	8	8432	1,512.38
12/18/2019	9	8433	1,541.48
12/18/2019	10	8434	1,563.42

12/18/2019	11	8435	1,513.32
12/18/2019	12	8436	1,546.00
12/18/2019	13	8437	1,547.04
12/18/2019	14	8438	1,456.78
12/18/2019	15	8439	1,472.57
12/18/2019	16	8440	1,482.52
12/18/2019	17	8441	1,516.92
12/18/2019	18	8442	1,588.54
12/18/2019	19	8443	1,585.63
12/18/2019	20	8444	1,566.36
12/18/2019	21	8445	1,492.28
12/18/2019	22	8446	1,513.05
12/18/2019	23	8447	1,397.78
12/18/2019	24	8448	1,364.41
12/19/2019	1	8449	1,303.01
12/19/2019	2	8450	1,259.78
12/19/2019	3	8451	1,261.01
12/19/2019	4	8452	1,297.20
12/19/2019	5	8453	1,371.50
12/19/2019	6	8454	1,449.99
12/19/2019	7	8455	1,541.46
12/19/2019	8	8456	1,529.61
12/19/2019	9	8457	1,586.43
12/19/2019	10	8458	1,557.93
12/19/2019	11	8459	1,513.30
12/19/2019	12	8460	1,484.09
12/19/2019	13	8461	1,495.18
12/19/2019	14	8462	1,457.34
12/19/2019	15	8463	1,420.41
12/19/2019	16	8464	1,438.20
12/19/2019	17	8465	1,481.43
12/19/2019	18	8466	1,443.70
12/19/2019	19	8467	1,514.70
12/19/2019	20	8468	1,510.40
12/19/2019	21	8469	1,491.55
12/19/2019	22	8470	1,362.61
12/19/2019	23	8471	1,344.34
12/19/2019	24	8472	1,245.55
12/20/2019	1	8473	1,265.51
12/20/2019	2	8474	1,259.17
12/20/2019	3	8475	1,241.33
12/20/2019	4	8476	1,235.28
12/20/2019	5	8477	1,260.08
12/20/2019	6	8478	1,371.22
12/20/2019	7	8479	1,458.82
12/20/2019	8	8480	1,511.19
12/20/2019	9	8481	1,482.29
12/20/2019	10	8482	1,448.71
12/20/2019	11	8483	1,450.74
12/20/2019	12	8484	1,407.89
12/20/2019	13	8485	1,380.41
12/20/2019	14	8486	1,451.45
12/20/2019	15	8487	1,400.80
12/20/2019	16	8488	1,388.74
12/20/2019	17	8489	1,415.50
12/20/2019	18	8490	1,441.91
12/20/2019	19	8491	1,459.40
12/20/2019	20	8492	1,414.29
12/20/2019	21	8493	1,362.90
12/20/2019	22	8494	1,362.77
12/20/2019	23	8495	1,260.73
12/20/2019	24	8496	1,209.45
12/21/2019	1	8497	1,164.39

12/21/2019	2	8498	1,097.80
12/21/2019	3	8499	1,149.20
12/21/2019	4	8500	1,162.46
12/21/2019	5	8501	1,171.94
12/21/2019	6	8502	1,180.54
12/21/2019	7	8503	1,206.75
12/21/2019	8	8504	1,232.91
12/21/2019	9	8505	1,220.66
12/21/2019	10	8506	1,284.99
12/21/2019	11	8507	1,245.79
12/21/2019	12	8508	1,199.70
12/21/2019	13	8509	1,182.54
12/21/2019	14	8510	1,167.87
12/21/2019	15	8511	1,144.35
12/21/2019	16	8512	1,196.48
12/21/2019	17	8513	1,220.22
12/21/2019	18	8514	1,312.72
12/21/2019	19	8515	1,306.31
12/21/2019	20	8516	1,274.64
12/21/2019	21	8517	1,299.19
12/21/2019	22	8518	1,207.01
12/21/2019	23	8519	1,237.05
12/21/2019	24	8520	1,058.88
12/22/2019	1	8521	1,192.00
12/22/2019	2	8522	1,104.18
12/22/2019	3	8523	1,101.26
12/22/2019	4	8524	1,104.19
12/22/2019	5	8525	1,160.48
12/22/2019	6	8526	1,117.90
12/22/2019	7	8527	1,164.72
12/22/2019	8	8528	1,167.87
12/22/2019	9	8529	1,191.22
12/22/2019	10	8530	1,182.18
12/22/2019	11	8531	1,176.55
12/22/2019	12	8532	1,136.80
12/22/2019	13	8533	1,064.20
12/22/2019	14	8534	1,132.39
12/22/2019	15	8535	1,127.19
12/22/2019	16	8536	1,136.76
12/22/2019	17	8537	1,189.01
12/22/2019	18	8538	1,324.01
12/22/2019	19	8539	1,257.79
12/22/2019	20	8540	1,251.38
12/22/2019	21	8541	1,276.65
12/22/2019	22	8542	1,231.87
12/22/2019	23	8543	1,171.15
12/22/2019	24	8544	1,114.42
12/23/2019	1	8545	1,147.18
12/23/2019	2	8546	1,114.64
12/23/2019	3	8547	1,070.93
12/23/2019	4	8548	1,048.15
12/23/2019	5	8549	1,226.53
12/23/2019	6	8550	1,186.35
12/23/2019	7	8551	1,295.02
12/23/2019	8	8552	1,285.86
12/23/2019	9	8553	1,329.71
12/23/2019	10	8554	1,306.09
12/23/2019	11	8555	1,308.63
12/23/2019	12	8556	1,285.87
12/23/2019	13	8557	1,252.18
12/23/2019	14	8558	1,246.63
12/23/2019	15	8559	1,250.45
12/23/2019	16	8560	1,235.65

12/23/2019	17	8561	1,352.38
12/23/2019	18	8562	1,373.28
12/23/2019	19	8563	1,336.86
12/23/2019	20	8564	1,342.06
12/23/2019	21	8565	1,310.10
12/23/2019	22	8566	1,286.67
12/23/2019	23	8567	1,230.55
12/23/2019	24	8568	1,188.38
12/24/2019	1	8569	1,103.45
12/24/2019	2	8570	1,091.54
12/24/2019	3	8571	1,074.99
12/24/2019	4	8572	1,117.48
12/24/2019	5	8573	1,102.08
12/24/2019	6	8574	1,146.28
12/24/2019	7	8575	1,180.07
12/24/2019	8	8576	1,177.06
12/24/2019	9	8577	1,173.63
12/24/2019	10	8578	1,196.78
12/24/2019	11	8579	1,168.84
12/24/2019	12	8580	1,132.27
12/24/2019	13	8581	1,139.85
12/24/2019	14	8582	1,129.23
12/24/2019	15	8583	1,070.72
12/24/2019	16	8584	1,074.64
12/24/2019	17	8585	1,124.68
12/24/2019	18	8586	1,174.08
12/24/2019	19	8587	1,130.85
12/24/2019	20	8588	1,138.81
12/24/2019	21	8589	1,125.00
12/24/2019	22	8590	1,086.62
12/24/2019	23	8591	1,061.22
12/24/2019	24	8592	974.12
12/25/2019	1	8593	972.41
12/25/2019	2	8594	958.16
12/25/2019	3	8595	959.85
12/25/2019	4	8596	922.54
12/25/2019	5	8597	961.06
12/25/2019	6	8598	991.63
12/25/2019	7	8599	1,011.36
12/25/2019	8	8600	1,011.55
12/25/2019	9	8601	1,024.14
12/25/2019	10	8602	1,038.21
12/25/2019	11	8603	978.01
12/25/2019	12	8604	969.97
12/25/2019	13	8605	985.80
12/25/2019	14	8606	985.41
12/25/2019	15	8607	953.48
12/25/2019	16	8608	991.45
12/25/2019	17	8609	1,040.29
12/25/2019	18	8610	1,072.26
12/25/2019	19	8611	1,050.56
12/25/2019	20	8612	1,056.56
12/25/2019	21	8613	1,030.67
12/25/2019	22	8614	1,007.14
12/25/2019	23	8615	991.47
12/25/2019	24	8616	949.65
12/26/2019	1	8617	954.15
12/26/2019	2	8618	914.61
12/26/2019	3	8619	919.25
12/26/2019	4	8620	922.19
12/26/2019	5	8621	990.63
12/26/2019	6	8622	1,023.53
12/26/2019	7	8623	1,104.75

12/26/2019	8	8624	1,157.91
12/26/2019	9	8625	1,198.33
12/26/2019	10	8626	1,210.00
12/26/2019	11	8627	1,198.89
12/26/2019	12	8628	1,179.16
12/26/2019	13	8629	1,210.48
12/26/2019	14	8630	1,232.33
12/26/2019	15	8631	1,152.89
12/26/2019	16	8632	1,248.32
12/26/2019	17	8633	1,218.96
12/26/2019	18	8634	1,241.29
12/26/2019	19	8635	1,265.80
12/26/2019	20	8636	1,251.95
12/26/2019	21	8637	1,219.33
12/26/2019	22	8638	1,168.35
12/26/2019	23	8639	1,132.81
12/26/2019	24	8640	1,137.70
12/27/2019	1	8641	1,020.73
12/27/2019	2	8642	1,042.87
12/27/2019	3	8643	991.81
12/27/2019	4	8644	1,026.03
12/27/2019	5	8645	1,040.69
12/27/2019	6	8646	1,095.02
12/27/2019	7	8647	1,194.02
12/27/2019	8	8648	1,259.46
12/27/2019	9	8649	1,237.66
12/27/2019	10	8650	1,265.78
12/27/2019	11	8651	1,298.03
12/27/2019	12	8652	1,264.62
12/27/2019	13	8653	1,356.10
12/27/2019	14	8654	1,281.18
12/27/2019	15	8655	1,218.26
12/27/2019	16	8656	1,233.53
12/27/2019	17	8657	1,320.98
12/27/2019	18	8658	1,368.78
12/27/2019	19	8659	1,302.61
12/27/2019	20	8660	1,283.17
12/27/2019	21	8661	1,278.67
12/27/2019	22	8662	1,261.93
12/27/2019	23	8663	1,185.17
12/27/2019	24	8664	1,190.68
12/28/2019	1	8665	1,108.13
12/28/2019	2	8666	1,112.46
12/28/2019	3	8667	1,065.62
12/28/2019	4	8668	1,009.20
12/28/2019	5	8669	1,043.60
12/28/2019	6	8670	1,071.14
12/28/2019	7	8671	1,113.06
12/28/2019	8	8672	1,154.10
12/28/2019	9	8673	1,177.38
12/28/2019	10	8674	1,212.32
12/28/2019	11	8675	1,200.43
12/28/2019	12	8676	1,198.59
12/28/2019	13	8677	1,187.06
12/28/2019	14	8678	1,146.42
12/28/2019	15	8679	1,099.09
12/28/2019	16	8680	1,183.08
12/28/2019	17	8681	1,212.57
12/28/2019	18	8682	1,189.77
12/28/2019	19	8683	1,224.16
12/28/2019	20	8684	1,220.41
12/28/2019	21	8685	1,162.94
12/28/2019	22	8686	1,116.74

12/28/2019	23	8687	1,089.44
12/28/2019	24	8688	982.32
12/29/2019	1	8689	989.02
12/29/2019	2	8690	1,008.30
12/29/2019	3	8691	955.81
12/29/2019	4	8692	960.54
12/29/2019	5	8693	974.83
12/29/2019	6	8694	988.08
12/29/2019	7	8695	998.65
12/29/2019	8	8696	1,027.68
12/29/2019	9	8697	975.49
12/29/2019	10	8698	1,032.97
12/29/2019	11	8699	1,056.53
12/29/2019	12	8700	1,012.91
12/29/2019	13	8701	1,031.57
12/29/2019	14	8702	1,064.11
12/29/2019	15	8703	1,068.63
12/29/2019	16	8704	1,087.37
12/29/2019	17	8705	1,139.16
12/29/2019	18	8706	1,224.99
12/29/2019	19	8707	1,202.18
12/29/2019	20	8708	1,143.78
12/29/2019	21	8709	1,128.41
12/29/2019	22	8710	1,094.42
12/29/2019	23	8711	1,104.92
12/29/2019	24	8712	1,001.75
12/30/2019	1	8713	1,017.45
12/30/2019	2	8714	1,019.05
12/30/2019	3	8715	972.29
12/30/2019	4	8716	1,011.19
12/30/2019	5	8717	1,059.91
12/30/2019	6	8718	1,135.69
12/30/2019	7	8719	1,205.45
12/30/2019	8	8720	1,293.85
12/30/2019	9	8721	1,297.17
12/30/2019	10	8722	1,287.88
12/30/2019	11	8723	1,316.74
12/30/2019	12	8724	1,348.42
12/30/2019	13	8725	1,350.57
12/30/2019	14	8726	1,329.75
12/30/2019	15	8727	1,317.52
12/30/2019	16	8728	1,285.16
12/30/2019	17	8729	1,347.21
12/30/2019	18	8730	1,359.59
12/30/2019	19	8731	1,384.34
12/30/2019	20	8732	1,305.54
12/30/2019	21	8733	1,305.63
12/30/2019	22	8734	1,277.47
12/30/2019	23	8735	1,193.01
12/30/2019	24	8736	1,172.12
12/31/2019	1	8737	1,108.39
12/31/2019	2	8738	1,121.50
12/31/2019	3	8739	1,118.95
12/31/2019	4	8740	1,110.08
12/31/2019	5	8741	1,116.44
12/31/2019	6	8742	1,184.18
12/31/2019	7	8743	1,288.76
12/31/2019	8	8744	1,267.43
12/31/2019	9	8745	1,279.75
12/31/2019	10	8746	1,288.51
12/31/2019	11	8747	1,309.47
12/31/2019	12	8748	1,288.65
12/31/2019	13	8749	1,315.72

12/31/2019	14	8750	1,274.48
12/31/2019	15	8751	1,228.80
12/31/2019	16	8752	1,180.66
12/31/2019	17	8753	1,302.32
12/31/2019	18	8754	1,331.57
12/31/2019	19	8755	1,259.12
12/31/2019	20	8756	1,260.70
12/31/2019	21	8757	1,260.94
12/31/2019	22	8758	1,174.83
12/31/2019	23	8759	1,142.42
12/31/2019	24	8760	1,024.21

EV Load Impact (NIPSCO Load)
Note: Charging data based on NREL and NIPSCO EV pilot data; MW grosssed up for 5% loss factor

EV Capacity MW

Penetration S	Class	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Low	LDV	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.8	1.0	1.1	1.3	1.5
Low	MDV & Transit	0.1	0.1	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.3	1.5	1.6	1.8	2.0
Medium	LDV	0.3	0.5	0.7	1.0	1.5	1.9	2.3	2.8	3.4	4.1	4.9	5.7	6.7	7.9
Medium	MDV & Transit	0.1	0.1	0.3	0.6	0.8	1.1	1.4	1.8	2.3	3.0	3.3	3.7	4.1	4.7
High	LDV	0.3	0.5	0.8	1.2	1.9	2.5	3.2	4.3	5.6	7.4	9.1	11.2	13.7	16.8
High	MDV & Transit	0.4	0.4	0.6	0.9	1.2	1.6	2.1	2.8	3.6	4.8	5.6	6.7	7.9	9.5

Light Duty Vehicles
High Penetration Scenario Hourly Charging Profile

	Weekday	Weekend
6:00 AM	0.69	0.39
7:00 AM	0.49	0.31
8:00 AM	0.38	0.29
9:00 AM	0.34	0.27
10:00 AM	0.31	0.26
11:00 AM	0.28	0.24
12:00 PM	0.25	0.22
1:00 PM	0.23	0.21
2:00 PM	0.23	0.21
3:00 PM	0.23	0.21
4:00 PM	0.23	0.21
5:00 PM	0.23	0.21
6:00 PM	0.25	0.22
7:00 PM	0.28	0.24
8:00 PM	0.31	0.26
9:00 PM	0.34	0.28
10:00 PM	0.38	0.30
11:00 PM	0.42	0.31
12:00 AM	0.48	0.33
1:00 AM	0.58	0.35
2:00 AM	0.70	0.38
3:00 AM	1.00	0.69
4:00 AM	0.92	0.62
5:00 AM	0.85	0.54

Light Duty Vehicles
Low Penetration Scenario Hourly Charging Profile

	Weekday	Weekend
6:00 AM	0.40	0.39
7:00 AM	0.28	0.29
8:00 AM	0.18	0.19
9:00 AM	0.10	0.11
10:00 AM	0.07	0.06
11:00 AM	0.05	0.04
12:00 PM	0.04	0.04
1:00 PM	0.04	0.04
2:00 PM	0.05	0.05
3:00 PM	0.05	0.07
4:00 PM	0.05	0.09
5:00 PM	0.05	0.09
6:00 PM	0.06	0.10
7:00 PM	0.07	0.10
8:00 PM	0.09	0.10
9:00 PM	0.12	0.10
10:00 PM	0.13	0.10
11:00 PM	0.16	0.10
12:00 AM	0.17	0.09
1:00 AM	0.18	0.11
2:00 AM	0.73	0.50
3:00 AM	1.00	0.69
4:00 AM	0.86	0.59
5:00 AM	0.58	0.53

Light Duty Vehicles
Med Penetration Scenario Hourly Charging Profile

	Weekday	Weekend
6:00 AM	0.54	0.39
7:00 AM	0.38	0.30
8:00 AM	0.28	0.24
9:00 AM	0.22	0.19
10:00 AM	0.19	0.16
11:00 AM	0.17	0.14
12:00 PM	0.15	0.13
1:00 PM	0.13	0.13
2:00 PM	0.14	0.13
3:00 PM	0.14	0.14
4:00 PM	0.14	0.15
5:00 PM	0.14	0.15
6:00 PM	0.15	0.16
7:00 PM	0.18	0.17
8:00 PM	0.20	0.18
9:00 PM	0.23	0.19
10:00 PM	0.26	0.20
11:00 PM	0.29	0.20
12:00 AM	0.32	0.21
1:00 AM	0.38	0.23
2:00 AM	0.72	0.44
3:00 AM	1.00	0.69
4:00 AM	0.89	0.60
5:00 AM	0.71	0.54

Medium and Heavy Duty Vehicles
Hourly Charging Profile

	Daily
6:00 AM	0.00
7:00 AM	0.01
8:00 AM	0.01
9:00 AM	0.01
10:00 AM	0.02
11:00 AM	0.03
12:00 PM	0.04
1:00 PM	0.04
2:00 PM	0.04
3:00 PM	0.04
4:00 PM	0.04
5:00 PM	0.05
6:00 PM	0.06
7:00 PM	0.07
8:00 PM	0.07
9:00 PM	0.08
10:00 PM	0.08
11:00 PM	0.08
12:00 AM	0.08
1:00 AM	0.07
2:00 AM	0.05
3:00 AM	0.03
4:00 AM	0.01
5:00 AM	0.01

2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
1.7	1.9	2.1	2.4	2.6	2.8	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
2.2	2.3	2.5	2.7	3.0	3.3	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
9.3	10.8	12.4	14.2	16.3	18.5	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4
5.4	6.0	6.7	7.3	8.5	9.9	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
20.5	23.8	27.6	31.9	36.7	42.2	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
11.2	12.9	14.8	17.0	19.9	23.2	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9

DER Load Impact (Incremental to NIPSCO Load)

Note: Assuming 97% storage capacity credit; grossed up for 5% loss factor

	DER Solar Cumulative Installations (kW)				DER Solar Cumulative Summer Peak Impact				DER Solar Cumulative Winter Peak Impact			
	Ref	SQE	AER	EWD	Ref	SQE	AER	EWD	Ref	SQE	AER	EWD
2020	-	-	-	-	-	-	-	-	-	-	-	-
2021	9,118	5,691	12,826	11,755	4.8	3.0	6.8	6.2	0.6	0.4	0.9	0.8
2022	15,707	10,962	27,548	25,667	8.3	5.8	14.5	13.5	1.1	0.8	1.9	1.8
2023	24,069	15,305	40,792	37,385	12.7	8.1	21.5	19.7	1.7	1.1	2.8	2.6
2024	35,160	17,320	54,471	48,823	18.1	9.0	27.4	24.6	2.4	1.2	3.8	3.4
2025	43,662	18,919	70,189	64,756	22.1	9.7	34.0	31.3	3.0	1.3	4.9	4.5
2026	49,318	21,532	90,464	79,313	24.6	10.9	42.3	36.9	3.4	1.5	6.3	5.5
2027	55,166	24,750	115,244	96,499	27.1	12.4	52.0	43.3	3.8	1.7	8.0	6.7
2028	61,301	27,434	123,732	117,247	29.6	13.6	53.7	50.8	4.3	1.9	8.6	8.1
2029	69,223	30,668	136,519	135,222	33.0	15.1	56.9	56.4	4.8	2.1	9.5	9.4
2030	86,091	31,898	159,044	154,709	40.5	15.6	63.8	62.0	6.0	2.2	11.0	10.7
2031	94,172	32,837	174,868	167,294	43.7	15.9	67.4	64.3	6.5	2.3	12.1	11.6
2032	104,973	36,364	190,894	172,000	48.0	17.4	70.5	63.2	7.3	2.5	13.3	11.9
2033	110,933	38,267	206,560	174,995	50.0	18.2	73.0	61.3	7.7	2.7	14.4	12.2
2034	116,865	39,487	221,701	179,205	51.9	18.6	74.8	59.7	8.1	2.7	15.4	12.4
2035	123,199	41,646	231,474	184,092	53.9	19.5	74.3	58.2	8.6	2.9	16.1	12.8
2036	127,111	45,469	247,881	189,938	54.7	21.1	75.7	56.9	8.8	3.2	17.2	13.2
2037	133,010	47,386	261,578	194,381	56.4	21.8	75.7	54.9	9.2	3.3	18.2	13.5
2038	137,378	50,290	269,081	199,514	57.3	23.0	73.5	53.0	9.5	3.5	18.7	13.9
2039	139,110	54,283	280,193	204,292	57.0	24.7	72.1	50.9	9.7	3.8	19.5	14.2
2040	142,827	63,255	292,764	209,689	57.6	28.7	70.6	48.8	9.9	4.4	20.3	14.6

	DER Storage Cumulative Installations (kW)				DER Storage Cumulative Peak Impact			
	Ref	SQE	AER	EDE	Ref	SQE	AER	EDE
2020	-	-	-	-	-	-	-	-
2021	-	-	-	-	-	-	-	-
2022	-	-	-	-	-	-	-	-
2023	-	-	-	-	-	-	-	-
2024	-	-	1,158	1,419	-	-	1.2	1.4
2025	-	-	2,779	3,458	-	-	2.8	3.5
2026	-	-	5,063	6,034	-	-	5.2	6.2
2027	-	-	8,209	9,380	-	-	8.4	9.6
2028	-	-	10,885	13,739	-	-	11.1	14.0
2029	-	-	14,190	18,580	-	-	14.5	19.0
2030	502	-	18,874	24,324	0.5	-	19.3	24.8
2031	1,077	-	23,432	29,754	1.1	-	23.9	30.4
2032	1,763	-	28,482	34,295	1.8	-	29.1	35.0
2033	2,459	-	33,950	38,687	2.5	-	34.7	39.5
2034	3,208	-	39,795	43,455	3.3	-	40.6	44.4
2035	4,023	-	45,137	48,544	4.1	-	46.1	49.6
2036	4,818	-	52,035	54,064	4.9	-	53.1	55.2
2037	5,720	-	58,858	59,430	5.8	-	60.1	60.7
2038	6,614	-	64,717	65,170	6.8	-	66.1	66.5
2039	7,428	-	71,646	70,998	7.6	-	73.2	72.5
2040	8,356	-	79,267	77,217	8.5	-	80.9	78.8

Net Energy for Load and Seasonal Peak Load Summaries by Component across Scenarios

Notes:

"Base Load" refers to the load forecasts developed through core econometric modeling, inclusive of line losses

Electric Vehichle (EV) Load and Other Electification increase NIPSCO's load obligation

Distributed Energy Resources (DERs) decrease NIPSCO's load obligation

Reference Case

	MWh Sales				
	Base Load	EV Load	Other Electrification	DERs	All-In
2021	11,940,087	7,239		13,054	11,934,273
2022	11,902,413	10,211		22,511	11,890,112
2023	11,938,227	14,183		34,542	11,917,868
2024	11,985,631	19,342		50,631	11,954,342
2025	12,021,815	23,188		63,186	11,981,817
2026	12,058,173	27,507		71,638	12,014,041
2027	12,094,192	32,099		80,448	12,045,843
2028	12,131,648	37,512		89,686	12,079,475
2029	12,165,047	43,655		101,544	12,107,158
2030	12,197,613	50,140		126,379	12,121,374
2031	12,226,902	57,416		138,479	12,145,839
2032	12,254,112	65,701		154,566	12,165,247
2033	12,275,076	74,924		163,677	12,186,324
2034	12,291,826	86,776		172,783	12,205,819
2035	12,307,652	95,740		182,511	12,220,881
2036	12,322,461	105,290		188,733	12,239,018
2037	12,330,264	115,709		197,911	12,248,062
2038	12,335,196	127,374		204,913	12,257,657
2039	12,338,219	139,840		208,010	12,270,049
2040	12,341,572	155,423		214,101	12,282,894
2021-2040 CAGR	**0.2%**	**17.5%**		**15.9%**	**0.2%**

	Summer Peak (MW)				
	Base Load	EV Load	Other Electrification	DERs	All-In
2021	2,346	0.28		4.80	2,341
2022	2,321	0.45		8.27	2,313
2023	2,316	0.65		12.67	2,304
2024	2,315	0.89		18.14	2,298
2025	2,313	1.12		22.14	2,292
2026	2,313	1.38		24.59	2,290
2027	2,314	1.62		27.07	2,289
2028	2,317	1.93		29.61	2,289
2029	2,319	2.26		32.96	2,289
2030	2,322	2.55		41.04	2,284
2031	2,325	2.86		44.80	2,283
2032	2,328	3.22		49.84	2,281
2033	2,329	3.62		52.52	2,281
2034	2,330	4.12		55.17	2,279
2035	2,331	4.49		57.99	2,278
2036	2,332	4.88		59.63	2,277
2037	2,332	5.32		62.21	2,275
2038	2,331	5.87		64.04	2,273
2039	2,330	6.48		64.61	2,272
2040	2,329	7.19		66.11	2,270
2021-2040 CAGR	**0.0%**	**18.6%**		**14.8%**	**-0.2%**

	Winter Peak (MW)				
	Base Load	EV Load	Other Electrification	DERs	All-In
2021	1,622	0.25		0.63	1,621
2022	1,611	0.35		1.09	1,610
2023	1,614	0.48		1.67	1,612
2024	1,622	0.65		2.44	1,620
2025	1,626	0.77		3.03	1,624
2026	1,633	0.91		3.43	1,630
2027	1,640	1.06		3.83	1,637
2028	1,650	1.23		4.26	1,647
2029	1,654	1.43		4.81	1,651
2030	1,661	1.65		6.49	1,656
2031	1,667	1.90		7.64	1,662
2032	1,676	2.18		9.09	1,669
2033	1,678	2.50		10.22	1,670
2034	1,682	2.90		11.39	1,673
2035	1,686	3.21		12.67	1,676
2036	1,692	3.54		13.75	1,682
2037	1,692	3.90		15.08	1,681
2038	1,694	4.29		16.30	1,682
2039	1,695	4.71		17.25	1,683
2040	1,699	5.23		18.46	1,686
2021-2040 CAGR	**0.2%**	**17.3%**		**19.4%**	**0.2%**

Status Quo Extended (includes impact of Industrial Load Loss)

	MWh Sales				
	Base Load	EV Load	Other Electrification	DERs	All-In
2021	11,882,769	7,239		8,236	11,881,772
2022	11,738,319	10,211		15,906	11,732,624
2023	10,826,820	14,183		22,246	10,818,757
2024	10,912,600	19,342		25,380	10,906,562
2025	10,953,440	23,188		27,900	10,948,728
2026	10,995,558	27,507		31,901	10,991,164
2027	11,030,105	32,099		36,777	11,025,427
2028	11,062,811	37,512		40,947	11,059,377
2029	11,091,495	43,655		45,904	11,089,245
2030	11,119,554	50,140		48,002	11,121,692
2031	11,144,181	57,416		49,616	11,151,981
2032	11,167,627	65,701		54,992	11,178,337
2033	11,182,358	74,924		58,036	11,199,247
2034	11,192,656	86,776		60,095	11,219,336
2035	11,201,372	95,740		63,549	11,233,563
2036	11,209,985	105,290		69,477	11,245,797
2037	11,211,709	115,709		72,598	11,254,820
2038	11,210,581	127,374		77,193	11,260,762
2039	11,206,908	139,840		83,400	11,263,348
2040	11,202,183	155,423		96,983	11,260,623
2021-2040 CAGR	**-0.3%**	**17.5%**		**13.9%**	**-0.3%**

	Summer Peak (MW)				
	Base Load	EV Load	Other Electrification	DERs	All-In
2021	2,338	0.28		3.00	2,335
2022	2,284	0.45		5.77	2,279
2023	2,174	0.65		8.06	2,167
2024	2,182	0.89		8.99	2,174
2025	2,182	1.12		9.69	2,173
2026	2,184	1.38		10.91	2,174
2027	2,185	1.62		12.42	2,174
2028	2,187	1.93		13.64	2,175
2029	2,189	2.26		15.12	2,176
2030	2,191	2.55		15.57	2,178
2031	2,193	2.86		15.87	2,180
2032	2,195	3.22		17.45	2,180
2033	2,195	3.62		18.20	2,181
2034	2,195	4.12		18.61	2,180
2035	2,194	4.49		19.47	2,180
2036	2,194	4.88		21.12	2,178
2037	2,193	5.32		21.83	2,176
2038	2,191	5.87		23.00	2,174
2039	2,188	6.48		24.68	2,170
2040	2,186	7.19		28.68	2,164
2021-2040 CAGR	**-0.4%**	**18.6%**		**12.6%**	**-0.4%**

	Winter Peak (MW)				
	Base Load	EV Load	Other Electrification	DERs	All-In
2021	1,606	0.25		0.40	1,606
2022	1,588	0.35		0.76	1,588
2023	1,490	0.48		1.06	1,489
2024	1,503	0.65		1.20	1,502
2025	1,507	0.77		1.31	1,506
2026	1,514	0.91		1.50	1,513
2027	1,520	1.06		1.72	1,520
2028	1,529	1.23		1.91	1,529
2029	1,533	1.43		2.13	1,533
2030	1,539	1.65		2.22	1,539
2031	1,545	1.90		2.28	1,544
2032	1,552	2.18		2.53	1,552
2033	1,554	2.50		2.66	1,554
2034	1,557	2.90		2.74	1,557
2035	1,560	3.21		2.89	1,560
2036	1,565	3.54		3.16	1,565
2037	1,564	3.90		3.29	1,564
2038	1,565	4.29		3.49	1,566
2039	1,565	4.71		3.77	1,566
2040	1,568	5.23		4.39	1,569
2021-2040 CAGR	**-0.1%**	**17.3%**		**13.5%**	**-0.1%**

Aggressive Environmental Regulation

	MWh Sales				
	Base Load	EV Load	Other Electrification	DERs	All-In
2021	11,940,087	8,848		18,353	11,930,582
2022	11,902,413	14,117		39,460	11,877,069
2023	11,938,227	21,643		58,513	11,901,358
2024	11,985,631	32,279		78,351	11,939,558
2025	12,021,815	39,750		101,219	11,960,346
2026	12,058,173	49,150		130,630	11,976,693
2027	12,094,192	60,357		166,489	11,988,060
2028	12,131,648	74,624		179,303	12,026,969
2029	12,165,047	92,524		198,380	12,059,191
2030	12,197,613	107,422		231,625	12,073,410
2031	12,226,902	124,827		255,225	12,096,504
2032	12,254,112	145,101		279,276	12,119,936
2033	12,275,076	169,022		302,984	12,141,114
2034	12,291,826	197,883		326,113	12,163,596
2035	12,307,652	227,408		341,534	12,193,525
2036	12,322,461	260,245		366,863	12,215,843
2037	12,330,264	296,570		388,403	12,238,432
2038	12,335,196	340,450		400,873	12,274,772
2039	12,338,219	388,899		418,854	12,308,264
2040	12,341,572	448,747		439,145	12,351,174
2021-2040 CAGR	**0.2%**	**23.0%**		**18.2%**	**0.2%**

	Summer Peak (MW)				
	Base Load	EV Load	Other Electrification	DERs	All-In
2021	2,346	0.63		6.75	2,340
2022	2,321	1.07		14.50	2,308
2023	2,316	1.66		21.47	2,296
2024	2,315	2.48		28.63	2,289
2025	2,313	3.09		36.85	2,280
2026	2,313	3.86		47.45	2,269
2027	2,314	4.76		60.40	2,258
2028	2,317	5.95		64.78	2,258
2029	2,319	7.45		71.40	2,255
2030	2,322	8.57		83.11	2,248
2031	2,325	9.88		91.30	2,244
2032	2,328	11.40		99.57	2,239
2033	2,329	13.21		107.64	2,235
2034	2,330	15.38		115.43	2,230
2035	2,331	17.59		120.40	2,229
2036	2,332	20.01		128.82	2,223
2037	2,332	22.65		135.81	2,219
2038	2,331	26.08		139.58	2,218
2039	2,330	29.87		145.21	2,215
2040	2,329	34.47		151.58	2,212
2021-2040 CAGR	**0.0%**	**23.5%**		**17.8%**	**-0.3%**

	Winter Peak (MW)				
	Base Load	EV Load	Other Electrification	DERs	All-In
2021	1,622	0.66		0.89	1,621
2022	1,611	1.00		1.91	1,610
2023	1,614	1.51		2.83	1,612
2024	1,622	2.25		4.97	1,619
2025	1,626	2.74		7.71	1,621
2026	1,633	3.36		11.45	1,625
2027	1,640	4.10		16.39	1,628
2028	1,650	5.02		19.71	1,635
2029	1,654	6.16		23.97	1,637
2030	1,661	7.22		30.32	1,638
2031	1,667	8.46		36.07	1,640
2032	1,676	9.91		42.34	1,643
2033	1,678	11.59		49.02	1,640
2034	1,682	13.64		56.03	1,640
2035	1,686	15.75		62.17	1,639
2036	1,692	18.13		70.35	1,640
2037	1,692	20.78		78.27	1,634
2038	1,694	23.79		84.77	1,633
2039	1,695	27.11		92.62	1,630
2040	1,699	31.28		101.27	1,629
2021-2040 CAGR	**0.2%**	**22.5%**		**28.3%**	**0.0%**

Economy-Wide Decarbonization

	MWh Sales				
	Base Load	EV Load	Other Electrification	DERs	All-In
2021	11,959,772	11,797	138,288	16,823	12,093,034
2022	12,009,527	18,051	276,575	36,768	12,267,385
2023	12,073,746	27,243	414,863	53,629	12,462,223
2024	12,120,588	41,410	553,150	70,244	12,644,904
2025	12,156,297	54,220	691,438	93,435	12,808,519
2026	12,191,556	71,300	829,726	114,783	12,977,798
2027	12,225,301	93,545	968,013	140,008	13,146,853
2028	12,254,438	123,199	1,106,301	170,374	13,313,564
2029	12,279,724	162,557	1,244,588	196,880	13,489,991
2030	12,302,917	197,831	1,382,876	225,617	13,658,008
2031	12,323,055	240,823	1,521,164	244,397	13,840,644
2032	12,337,897	292,523	1,659,451	251,846	14,038,025
2033	12,349,912	356,629	1,797,739	256,836	14,247,444
2034	12,358,681	433,600	1,936,027	263,625	14,464,683
2035	12,366,646	502,271	2,074,314	271,449	14,671,782
2036	12,373,769	580,771	2,212,602	280,740	14,886,402
2037	12,374,300	670,186	2,350,889	288,030	15,107,346
2038	12,372,805	774,588	2,489,177	296,379	15,340,190
2039	12,369,171	892,267	2,627,465	304,262	15,584,640
2040	12,364,591	1,031,805	2,765,752	313,157	15,848,992
2021-2040 CAGR	**0.2%**	**26.5%**	**17.1%**	**16.6%**	**1.4%**

	Summer Peak (MW)				
	Base Load	EV Load	Other Electrification	DERs	All-In
2021	2,349	0.98	17	6.19	2,361
2022	2,344	1.49	34	13.51	2,367
2023	2,345	2.19	51	19.68	2,379
2024	2,344	3.27	69	26.01	2,390
2025	2,342	4.29	86	34.86	2,397
2026	2,342	5.64	103	43.09	2,407
2027	2,342	7.38	120	52.89	2,417
2028	2,342	9.72	137	64.78	2,425
2029	2,343	12.80	154	75.32	2,435
2030	2,344	15.49	172	86.86	2,444
2031	2,345	18.76	189	94.70	2,458
2032	2,345	22.65	206	98.20	2,475
2033	2,345	27.54	223	100.75	2,494
2034	2,280	33.28	305	104.03	2,515
2035	2,279	38.54	327	107.75	2,537
2036	2,278	44.52	349	112.06	2,560
2037	2,277	51.33	371	115.59	2,583
2038	2,275	59.45	393	119.58	2,607
2039	2,272	68.65	415	123.40	2,632
2040	2,269	79.48	436	127.63	2,658
2021-2040 CAGR	**-0.2%**	**26.0%**	**18.6%**	**17.3%**	**0.6%**

	Winter Peak (MW)				
	Base Load	EV Load	Other Electrification	DERs	All-In
2021	1,626	0.76	34	0.82	1,660
2022	1,626	1.18	68	1.78	1,693
2023	1,633	1.82	102	2.60	1,734
2024	1,641	2.81	137	4.84	1,776
2025	1,611	3.68	206	8.03	1,813
2026	1,617	4.83	247	11.67	1,857
2027	1,623	6.36	288	16.28	1,902
2028	1,629	8.38	330	22.17	1,945
2029	1,635	11.07	371	28.37	1,988
2030	1,640	13.54	412	35.58	2,030
2031	1,645	16.57	453	42.00	2,073
2032	1,649	20.24	494	46.97	2,116
2033	1,653	24.74	536	51.66	2,161
2034	1,656	30.24	577	56.82	2,206
2035	1,659	35.05	618	62.36	2,249
2036	1,661	40.55	659	68.40	2,292
2037	1,663	46.84	700	74.19	2,336
2038	1,664	54.03	741	80.40	2,379
2039	1,665	62.10	783	86.69	2,423
2040	1,665	71.74	824	93.41	2,467
2021-2040 CAGR	**0.1%**	**27.0%**	**18.2%**	**28.3%**	**2.1%**

NIPSCO 2021 IRP Scenario Power Price Summary

MISO Zone 6
Nominal $/MWh

		Ref	AER	SQE	EWD
2021	1	33.32	33.62	33.49	33.52
2021	2	34.40	34.38	34.36	34.64
2021	3	30.72	30.71	30.71	30.85
2021	4	29.51	29.78	29.63	29.72
2021	5	29.22	29.36	29.34	29.34
2021	6	28.41	28.39	28.38	28.52
2021	7	31.20	31.15	31.04	31.33
2021	8	30.63	30.58	30.57	30.70
2021	9	29.79	29.90	29.86	29.88
2021	10	28.32	28.44	28.41	28.44
2021	11	29.58	29.70	29.70	29.73
2021	12	30.71	30.61	30.60	30.83
2022	1	36.17	37.17	35.51	36.18
2022	2	33.77	34.37	32.99	33.57
2022	3	31.32	32.11	30.66	31.12
2022	4	28.67	29.92	28.03	28.29
2022	5	28.08	29.29	27.29	27.72
2022	6	26.71	27.91	25.68	26.48
2022	7	29.71	30.87	28.71	29.48
2022	8	29.56	30.60	28.76	29.23
2022	9	29.43	30.64	28.54	29.19
2022	10	27.96	29.01	27.21	27.78
2022	11	29.21	30.30	28.68	29.21
2022	12	30.92	31.64	30.34	30.88
2023	1	37.82	38.40	36.01	37.71
2023	2	35.14	35.43	33.52	34.75
2023	3	32.93	33.60	31.54	32.59
2023	4	30.63	30.91	29.20	29.96
2023	5	30.03	30.72	28.73	29.58
2023	6	30.43	30.73	28.96	29.89
2023	7	33.05	33.58	30.84	32.59
2023	8	32.57	33.11	30.69	32.06
2023	9	32.45	33.08	31.12	32.04
2023	10	31.60	31.99	30.39	31.22
2023	11	32.58	33.34	31.22	32.81
2023	12	34.25	34.76	32.63	34.48
2024	1	40.38	45.36	37.06	40.39
2024	2	37.08	41.58	34.24	36.74
2024	3	34.45	39.76	32.28	34.23
2024	4	32.17	37.16	30.11	31.53
2024	5	32.33	37.37	29.70	31.73
2024	6	31.48	37.00	29.23	30.84
2024	7	34.85	40.54	31.46	34.07
2024	8	33.90	39.60	31.05	33.21
2024	9	34.48	39.82	32.12	33.93
2024	10	33.53	38.49	31.27	32.89
2024	11	34.79	40.02	32.13	35.26
2024	12	36.73	41.62	33.84	36.95
2025	1	40.91	46.98	37.12	40.82
2025	2	37.71	43.30	34.35	37.19
2025	3	35.10	41.36	32.38	34.42
2025	4	32.64	38.61	30.15	31.30
2025	5	33.11	39.19	29.91	31.78
2025	6	32.27	38.75	29.26	31.11
2025	7	35.67	42.30	31.64	34.27
2025	8	34.71	41.32	31.43	33.47
2025	9	35.37	41.90	32.50	34.39
2025	10	34.19	40.18	31.29	33.11
2025	11	35.58	42.07	32.31	35.77
2025	12	37.63	43.55	34.03	37.46
2026	1	48.15	50.81	38.60	42.39
2026	2	44.97	46.99	35.71	38.32
2026	3	42.42	44.83	33.46	35.54
2026	4	39.41	41.13	30.70	31.68
2026	5	39.49	42.43	30.28	32.38
2026	6	39.85	41.97	29.88	32.19
2026	7	43.36	45.90	32.59	35.49
2026	8	42.56	44.72	32.09	34.49
2026	9	42.44	45.04	32.78	35.05
2026	10	40.44	42.83	31.43	33.29
2026	11	41.84	45.11	32.83	36.53
2026	12	44.19	46.64	34.78	38.32
2027	1	49.00	53.44	38.07	42.91
2027	2	45.80	49.55	35.24	38.37
2027	3	43.57	47.70	33.25	35.85
2027	4	40.46	43.04	30.27	30.53
2027	5	40.48	44.67	30.01	32.34
2027	6	41.01	45.12	30.01	32.83
2027	7	44.70	49.03	32.55	36.30
2027	8	44.05	48.05	32.43	35.32
2027	9	43.60	47.92	32.84	35.63
2027	10	41.57	45.63	31.24	33.46
2027	11	42.93	47.94	32.55	37.08
2027	12	45.45	49.65	34.58	38.84
2028	1	50.63	56.49	38.50	43.19

MISO Zone 6
2020$/MWh

		Ref	AER	SQE	EWD
2021	1	32.83	33.12	33.00	33.03
2021	2	33.89	33.87	33.85	34.13
2021	3	30.26	30.26	30.25	30.39
2021	4	29.08	29.34	29.19	29.28
2021	5	28.79	28.93	28.91	28.91
2021	6	27.99	27.97	27.96	28.10
2021	7	30.74	30.69	30.58	30.87
2021	8	30.18	30.13	30.12	30.25
2021	9	29.35	29.46	29.42	29.44
2021	10	27.90	28.02	27.99	28.02
2021	11	29.14	29.26	29.26	29.29
2021	12	30.26	30.16	30.15	30.38
2022	1	35.04	36.01	34.40	35.05
2022	2	32.71	33.30	31.96	32.52
2022	3	30.34	31.10	29.70	30.15
2022	4	27.78	28.98	27.15	27.40
2022	5	27.20	28.37	26.44	26.86
2022	6	25.87	27.04	24.87	25.65
2022	7	28.78	29.91	27.81	28.55
2022	8	28.63	29.64	27.86	28.31
2022	9	28.51	29.68	27.65	28.27
2022	10	27.08	28.10	26.36	26.91
2022	11	28.30	29.35	27.78	28.29
2022	12	29.95	30.65	29.39	29.92
2023	1	35.99	36.54	34.27	35.88
2023	2	33.44	33.72	31.90	33.06
2023	3	31.34	31.97	30.01	31.01
2023	4	29.15	29.41	27.79	28.51
2023	5	28.57	29.23	27.34	28.15
2023	6	28.95	29.25	27.56	28.44
2023	7	31.45	31.95	29.35	31.01
2023	8	31.00	31.50	29.21	30.51
2023	9	30.88	31.48	29.61	30.49
2023	10	30.07	30.44	28.92	29.71
2023	11	31.01	31.73	29.71	31.22
2023	12	32.59	33.08	31.05	32.81
2024	1	37.67	42.32	34.57	37.68
2024	2	34.59	38.80	31.94	34.28
2024	3	32.14	37.10	30.11	31.93
2024	4	30.01	34.67	28.09	29.42
2024	5	30.16	34.87	27.71	29.60
2024	6	29.37	34.52	27.28	28.77
2024	7	32.52	37.82	29.35	31.79
2024	8	31.63	36.94	28.97	30.99
2024	9	32.17	37.15	29.97	31.66
2024	10	31.28	35.91	29.17	30.69
2024	11	32.46	37.34	29.97	32.90
2024	12	34.27	38.83	31.57	34.47
2025	1	37.38	42.93	33.92	37.30
2025	2	34.46	39.56	31.38	33.98
2025	3	32.07	37.79	29.59	31.46
2025	4	29.83	35.28	27.55	28.60
2025	5	30.25	35.81	27.33	29.04
2025	6	29.49	35.41	26.73	28.42
2025	7	32.59	38.66	28.91	31.32
2025	8	31.72	37.76	28.72	30.58
2025	9	32.32	38.29	29.69	31.43
2025	10	31.24	36.72	28.59	30.26
2025	11	32.51	38.45	29.53	32.68
2025	12	34.38	39.79	31.10	34.23
2026	1	43.10	45.47	34.55	37.94
2026	2	40.25	42.05	31.96	34.30
2026	3	37.97	40.12	29.94	31.80
2026	4	35.28	36.81	27.47	28.35
2026	5	35.34	37.98	27.10	28.98
2026	6	35.66	37.56	26.74	28.81
2026	7	38.81	41.08	29.17	31.76
2026	8	38.09	40.02	28.72	30.87
2026	9	37.98	40.31	29.33	31.37
2026	10	36.20	38.34	28.13	29.80
2026	11	37.45	40.38	29.38	32.70
2026	12	39.55	41.74	31.13	34.29
2027	1	42.95	46.84	33.37	37.62
2027	2	40.15	43.43	30.89	33.63
2027	3	38.19	41.81	29.15	31.43
2027	4	35.47	37.73	26.53	26.76
2027	5	35.48	39.16	26.30	28.35
2027	6	35.95	39.55	26.31	28.78
2027	7	39.18	42.98	28.53	31.82
2027	8	38.62	42.12	28.43	30.96
2027	9	38.22	42.01	28.79	31.23
2027	10	36.44	40.00	27.38	29.33
2027	11	37.63	42.03	28.53	32.50
2027	12	39.84	43.52	30.31	34.05
2028	1	43.47	48.50	33.06	37.08

MISO Zone 6
Nominal $/MWh

	Ref	AER	SQE	EWD
2021	30.47	30.53	30.49	30.61
2022	30.11	31.14	29.35	29.91
2023	32.79	33.30	31.23	32.47
2024	34.69	39.87	32.04	34.32
2025	35.40	41.63	32.19	34.59
2026	42.42	44.87	32.92	35.47
2027	43.55	47.65	32.75	35.79
2028	44.93	50.28	32.87	35.30
2029	47.14	53.72	33.62	35.90
2030	48.42	57.73	33.93	37.10
2031	49.65	65.08	34.20	39.60
2032	50.76	73.47	34.52	40.25
2033	52.16	81.75	35.00	40.54
2034	54.05	90.98	35.74	42.67
2035	56.27	100.77	36.35	45.73
2036	58.31	101.53	36.66	47.18
2037	59.95	104.36	37.32	51.01
2038	63.18	106.66	37.77	53.80
2039	65.06	108.19	38.99	55.29
2040	66.96	110.55	39.91	56.48

MISO Zone 6
2020$/MWh

	Ref	AER	SQE	EWD
2021	30.01	30.08	30.04	30.15
2022	29.17	30.17	28.44	28.98
2023	31.20	31.69	29.72	30.90
2024	32.36	37.19	29.89	32.02
2025	32.35	38.04	29.42	31.60
2026	37.97	40.16	29.46	31.74
2027	38.18	41.77	28.71	31.37
2028	38.57	43.17	28.22	30.31
2029	39.64	45.17	28.27	30.19
2030	39.88	47.54	27.95	30.55
2031	40.05	52.50	27.58	31.94
2032	40.11	58.04	27.28	31.80
2033	40.36	63.26	27.08	31.37
2034	40.97	68.95	27.09	32.34
2035	41.77	74.80	26.98	33.94
2036	42.39	73.81	26.66	34.30
2037	42.69	74.32	26.58	36.33
2038	44.06	74.39	26.34	37.52
2039	44.44	73.90	26.63	37.77
2040	44.80	73.96	26.70	37.79

2028	2	46.93	52.01	35.46	37.48
2028	3	44.67	50.27	33.29	34.90
2028	4	41.07	42.94	29.44	26.83
2028	5	41.60	46.92	30.01	31.17
2028	6	42.04	47.85	29.70	32.19
2028	7	46.51	52.17	32.86	36.47
2028	8	45.61	51.24	32.67	35.40
2028	9	44.89	50.78	32.98	35.55
2028	10	42.97	48.18	31.38	32.90
2028	11	44.56	51.41	32.89	37.73
2028	12	47.55	52.93	35.25	39.64
2029	1	54.17	61.93	40.02	46.31
2029	2	49.64	55.74	36.68	38.27
2029	3	46.49	52.51	33.83	33.67
2029	4	42.48	40.59	30.00	24.53
2029	5	43.29	48.92	30.45	30.75
2029	6	43.97	51.55	30.40	32.84
2029	7	49.23	57.17	33.49	37.48
2029	8	47.97	55.69	33.28	36.23
2029	9	46.97	54.75	33.77	36.07
2029	10	44.76	51.62	31.91	32.55
2029	11	46.37	55.62	33.55	39.55
2029	12	50.34	58.32	36.14	42.46
2030	1	55.46	66.74	40.09	47.67
2030	2	51.06	60.19	37.15	39.61
2030	3	47.50	55.50	34.10	34.00
2030	4	43.29	40.34	30.26	24.10
2030	5	44.33	52.42	30.68	31.38
2030	6	44.99	56.29	30.43	34.15
2030	7	50.59	62.12	33.85	38.81
2030	8	49.10	60.53	33.28	37.70
2030	9	48.41	59.61	34.04	37.67
2030	10	46.11	55.21	32.41	33.67
2030	11	47.83	60.07	33.93	41.47
2030	12	52.37	63.44	37.06	44.82
2031	1	57.44	75.76	41.00	51.32
2031	2	52.85	67.91	37.69	42.80
2031	3	48.82	62.48	34.55	36.61
2031	4	44.03	43.40	30.14	25.38
2031	5	45.23	58.72	30.67	33.08
2031	6	46.04	63.51	30.55	36.66
2031	7	51.70	70.53	33.73	41.08
2031	8	50.31	69.13	33.54	40.30
2031	9	49.51	67.39	34.40	40.41
2031	10	46.94	61.95	32.37	35.36
2031	11	49.03	67.66	34.34	44.07
2031	12	53.85	72.26	37.47	48.02
2032	1	58.03	85.93	40.76	52.06
2032	2	53.05	75.40	37.29	41.74
2032	3	49.74	68.91	34.60	35.59
2032	4	44.95	45.04	30.38	24.43
2032	5	46.32	63.77	30.95	32.88
2032	6	47.40	72.54	31.17	38.11
2032	7	53.02	82.26	34.20	42.92
2032	8	51.74	80.76	34.04	41.85
2032	9	50.62	77.02	34.90	41.97
2032	10	47.80	67.48	32.86	35.47
2032	11	50.69	77.99	35.00	45.79
2032	12	55.64	83.93	38.10	49.89
2033	1	61.29	95.87	43.17	52.50
2033	2	55.89	86.17	39.27	41.13
2033	3	51.40	77.65	35.81	37.37
2033	4	45.55	46.63	29.76	23.93
2033	5	46.96	70.24	30.65	33.47
2033	6	48.21	81.83	30.68	38.62
2033	7	54.13	91.66	34.08	43.72
2033	8	53.03	90.28	34.14	42.64
2033	9	51.57	86.62	34.99	42.40
2033	10	48.81	74.57	32.96	36.13
2033	11	51.82	86.87	35.56	46.59

2028	2	40.29	44.65	30.44	32.18
2028	3	38.35	43.16	28.58	29.96
2028	4	35.26	36.86	25.28	23.04
2028	5	35.72	40.28	25.76	26.76
2028	6	36.10	41.08	25.50	27.64
2028	7	39.93	44.79	28.21	31.31
2028	8	39.16	43.99	28.05	30.39
2028	9	38.54	43.60	28.32	30.52
2028	10	36.89	41.36	26.94	28.25
2028	11	38.25	44.13	28.24	32.39
2028	12	40.83	45.44	30.26	34.04
2029	1	45.55	52.07	33.65	38.94
2029	2	41.74	46.87	30.84	32.18
2029	3	39.09	44.15	28.45	28.31
2029	4	35.72	34.13	25.22	20.63
2029	5	36.41	41.13	25.60	25.86
2029	6	36.97	43.35	25.56	27.61
2029	7	41.39	48.08	28.16	31.51
2029	8	40.34	46.83	27.98	30.47
2029	9	39.50	46.04	28.39	30.33
2029	10	37.64	43.41	26.84	27.37
2029	11	38.99	46.77	28.21	33.26
2029	12	42.33	49.04	30.39	35.71
2030	1	45.68	54.96	33.02	39.26
2030	2	42.05	49.57	30.59	32.62
2030	3	39.12	45.71	28.08	28.00
2030	4	35.66	33.22	24.92	19.85
2030	5	36.51	43.17	25.27	25.84
2030	6	37.05	46.36	25.06	28.12
2030	7	41.66	51.16	27.88	31.97
2030	8	40.44	49.85	27.41	31.05
2030	9	39.87	49.10	28.03	31.03
2030	10	37.98	45.47	26.70	27.73
2030	11	39.39	49.47	27.94	34.15
2030	12	43.13	52.25	30.52	36.92
2031	1	46.34	61.11	33.08	41.39
2031	2	42.63	54.78	30.40	34.53
2031	3	39.38	50.40	27.87	29.53
2031	4	35.51	35.01	24.31	20.47
2031	5	36.49	47.37	24.74	26.68
2031	6	37.13	51.23	24.64	29.57
2031	7	41.71	56.89	27.21	33.14
2031	8	40.59	55.76	27.05	32.51
2031	9	39.94	54.36	27.75	32.60
2031	10	37.86	49.97	26.11	28.52
2031	11	39.55	54.58	27.70	35.55
2031	12	43.44	58.29	30.22	38.74
2032	1	45.85	67.89	32.20	41.13
2032	2	41.92	59.57	29.46	32.98
2032	3	39.30	54.44	27.33	28.12
2032	4	35.51	35.59	24.00	19.30
2032	5	36.59	50.38	24.45	25.98
2032	6	37.45	57.31	24.62	30.11
2032	7	41.89	64.99	27.02	33.91
2032	8	40.88	63.81	26.90	33.06
2032	9	40.00	60.85	27.58	33.16
2032	10	37.77	53.31	25.96	28.03
2032	11	40.05	61.62	27.65	36.18
2032	12	43.96	66.31	30.10	39.42
2033	1	47.43	74.19	33.40	40.63
2033	2	43.25	66.68	30.38	31.82
2033	3	39.77	60.09	27.71	28.91
2033	4	35.25	36.08	23.03	18.52
2033	5	36.33	54.35	23.72	25.90
2033	6	37.30	63.32	23.74	29.89
2033	7	41.89	70.92	26.37	33.83
2033	8	41.03	69.86	26.42	33.00
2033	9	39.91	67.03	27.08	32.81
2033	10	37.77	57.71	25.50	27.96
2033	11	40.10	67.22	27.52	36.05

2033	12	57.27	92.18	39.07	47.72
2034	1	63.20	107.59	44.04	54.29
2034	2	56.99	93.97	39.48	41.25
2034	3	52.18	83.89	35.84	39.21
2034	4	46.26	49.66	30.15	25.04
2034	5	48.34	76.24	31.36	35.53
2034	6	50.07	92.26	31.26	40.55
2034	7	56.77	103.87	35.42	46.73
2034	8	55.52	102.31	34.97	44.93
2034	9	53.56	96.70	35.45	45.03
2034	10	50.57	82.76	33.54	38.76
2034	11	54.42	97.47	36.61	49.99
2034	12	60.63	104.42	40.79	50.24
2035	1	66.50	120.07	44.66	58.56
2035	2	59.70	103.43	40.11	45.39
2035	3	54.18	90.95	36.36	42.46
2035	4	48.00	54.45	30.97	26.38
2035	5	49.61	82.71	31.34	37.51
2035	6	51.48	102.94	31.88	43.32
2035	7	58.60	117.97	35.61	49.36
2035	8	57.54	115.58	35.45	47.77
2035	9	55.65	106.83	35.80	46.77
2035	10	52.72	90.65	34.57	42.13
2035	11	57.04	106.62	37.50	53.39
2035	12	64.13	116.27	41.96	55.25
2036	1	69.70	122.42	45.81	60.60
2036	2	61.55	102.56	40.42	46.60
2036	3	55.76	92.39	36.78	44.72
2036	4	49.19	52.89	31.28	28.34
2036	5	51.29	80.88	31.87	39.27
2036	6	53.26	103.03	31.71	44.06
2036	7	60.98	119.86	35.99	50.97
2036	8	59.75	117.43	35.50	48.57
2036	9	57.94	109.02	36.19	48.51
2036	10	54.29	89.62	34.68	43.06
2036	11	58.90	107.87	37.62	53.99
2036	12	66.82	119.33	42.04	57.01
2037	1	70.83	126.38	45.91	65.98
2037	2	63.66	106.45	41.12	52.47
2037	3	57.10	91.88	37.14	47.62
2037	4	50.35	54.82	31.97	32.12
2037	5	53.10	81.61	32.44	41.87
2037	6	55.16	106.76	32.73	48.23
2037	7	62.71	125.28	36.48	55.34
2037	8	61.76	122.40	36.50	53.13
2037	9	59.51	112.07	37.05	51.93
2037	10	55.30	89.07	35.08	44.82
2037	11	60.99	111.39	38.51	57.40
2037	12	68.85	123.41	43.01	60.93
2038	1	75.66	129.69	47.09	72.21
2038	2	67.80	109.31	42.05	57.14
2038	3	59.93	93.73	37.69	49.84
2038	4	52.06	56.09	32.17	32.72
2038	5	55.39	82.66	32.39	42.66
2038	6	57.47	108.66	32.38	49.80
2038	7	66.01	128.29	37.45	58.94
2038	8	64.48	124.59	36.41	54.86
2038	9	62.69	114.45	36.96	53.74
2038	10	58.07	91.31	35.44	46.24
2038	11	65.20	114.36	39.14	60.46
2038	12	73.30	126.00	44.21	66.73
2039	1	78.39	133.50	49.16	75.67
2039	2	69.77	111.69	43.69	58.73
2039	3	61.52	92.80	38.84	50.75
2039	4	52.55	52.73	32.18	30.55
2039	5	56.95	81.21	33.29	43.53
2039	6	59.21	110.71	33.26	51.46
2039	7	67.65	132.81	37.99	60.88
2039	8	66.86	128.74	37.66	57.41
2039	9	64.75	116.92	37.85	55.40
2039	10	60.31	91.10	36.98	47.70
2039	11	67.11	116.24	40.81	62.08
2039	12	75.58	128.99	46.23	68.90
2040	1	80.08	137.25	49.58	77.58
2040	2	70.69	112.16	43.72	57.02
2040	3	63.72	96.71	39.69	52.28
2040	4	53.77	44.44	33.21	29.05
2040	5	57.89	82.53	33.34	44.17
2040	6	60.82	113.36	34.03	52.83
2040	7	69.50	137.02	39.62	63.76
2040	8	68.55	131.08	38.93	59.54
2040	9	67.43	119.66	39.64	57.16
2040	10	62.27	96.90	37.51	48.71
2040	11	69.96	120.20	42.16	63.78
2040	12	78.54	133.99	47.44	71.21

2033	12	44.32	71.33	30.23	36.92
2034	1	47.90	81.54	33.37	41.15
2034	2	43.19	71.22	29.92	31.26
2034	3	39.55	63.58	27.16	29.72
2034	4	35.06	37.64	22.85	18.98
2034	5	36.64	57.78	23.77	26.92
2034	6	37.94	69.92	23.69	30.73
2034	7	43.03	78.72	26.85	35.42
2034	8	42.08	77.54	26.50	34.05
2034	9	40.59	73.29	26.87	34.13
2034	10	38.33	62.73	25.42	29.38
2034	11	41.24	73.87	27.75	37.89
2034	12	45.95	79.14	30.92	38.08
2035	1	49.36	89.13	33.15	43.47
2035	2	44.32	76.78	29.77	33.69
2035	3	40.22	67.52	26.99	31.52
2035	4	35.63	40.42	22.99	19.58
2035	5	36.82	61.40	23.27	27.84
2035	6	38.22	76.42	23.66	32.16
2035	7	43.50	87.57	26.44	36.64
2035	8	42.71	85.79	26.31	35.46
2035	9	41.31	79.30	26.57	34.72
2035	10	39.14	67.29	25.66	31.27
2035	11	42.34	79.14	27.84	39.63
2035	12	47.61	86.31	31.14	41.01
2036	1	50.67	89.00	33.30	44.06
2036	2	44.75	74.56	29.39	33.88
2036	3	40.54	67.17	26.74	32.51
2036	4	35.76	38.45	22.74	20.61
2036	5	37.29	58.80	23.17	28.55
2036	6	38.73	74.91	23.05	32.04
2036	7	44.34	87.15	26.16	37.06
2036	8	43.44	85.38	25.81	35.31
2036	9	42.12	79.26	26.31	35.27
2036	10	39.47	65.16	25.22	31.31
2036	11	42.82	78.43	27.35	39.25
2036	12	48.58	86.76	30.56	41.45
2037	1	50.44	89.99	32.69	46.98
2037	2	45.33	75.80	29.28	37.37
2037	3	40.66	65.42	26.44	33.91
2037	4	35.85	39.04	22.77	22.87
2037	5	37.81	58.12	23.10	29.82
2037	6	39.28	76.02	23.31	34.34
2037	7	44.65	89.21	25.97	39.41
2037	8	43.98	87.16	25.99	37.83
2037	9	42.37	79.80	26.38	36.98
2037	10	39.38	63.43	24.98	31.92
2037	11	43.43	79.32	27.42	40.87
2037	12	49.03	87.88	30.63	43.39
2038	1	52.77	90.45	32.84	50.36
2038	2	47.28	76.24	29.33	39.85
2038	3	41.80	65.37	26.28	34.76
2038	4	36.31	39.12	22.44	22.82
2038	5	38.63	57.65	22.59	29.75
2038	6	40.08	75.78	22.58	34.73
2038	7	46.04	89.47	26.12	41.11
2038	8	44.97	86.89	25.39	38.26
2038	9	43.72	79.82	25.78	37.48
2038	10	40.50	63.69	24.72	32.25
2038	11	45.47	79.76	27.30	42.16
2038	12	51.12	87.88	30.83	46.54
2039	1	53.55	91.19	33.58	51.69
2039	2	47.66	76.29	29.85	40.12
2039	3	42.03	63.39	26.53	34.67
2039	4	35.90	36.02	21.98	20.87
2039	5	38.90	55.47	22.74	29.73
2039	6	40.45	75.62	22.72	35.15
2039	7	46.21	90.72	25.95	41.59
2039	8	45.67	87.94	25.73	39.21
2039	9	44.23	79.87	25.86	37.84
2039	10	41.20	62.23	25.26	32.59
2039	11	45.84	79.40	27.88	42.41
2039	12	51.63	88.11	31.58	47.07
2040	1	53.57	91.82	33.17	51.90
2040	2	47.29	75.04	29.25	38.15
2040	3	42.63	64.70	26.55	34.98
2040	4	35.97	29.73	22.22	19.44
2040	5	38.73	55.22	22.31	29.55
2040	6	40.69	75.84	22.77	35.35
2040	7	46.50	91.67	26.51	42.66
2040	8	45.87	87.70	26.05	39.84
2040	9	45.11	80.06	26.52	38.24
2040	10	41.66	64.83	25.09	32.59
2040	11	46.81	80.42	28.21	42.67
2040	12	52.55	89.64	31.74	47.64

NIPSCO 2021 IRP Scenario Gas Price Summary

Chicago Citygates
2020 $/MMBtu

		Ref	AER	SQE	EWD
2021	1	2.47	2.47	2.47	2.47
2021	2	1.73	1.73	1.73	1.73
2021	3	2.91	2.91	2.91	2.91
2021	4	2.74	2.74	2.74	2.74
2021	5	2.67	2.67	2.67	2.67
2021	6	2.69	2.69	2.69	2.69
2021	7	2.75	2.75	2.75	2.75
2021	8	2.76	2.76	2.76	2.76
2021	9	2.71	2.71	2.71	2.71
2021	10	2.73	2.73	2.73	2.73
2021	11	2.88	2.88	2.88	2.88
2021	12	3.13	3.13	3.13	3.13
2022	1	3.29	3.65	3.09	3.29
2022	2	3.24	3.60	3.04	3.24
2022	3	3.06	3.42	2.86	3.06
2022	4	2.65	3.01	2.45	2.65
2022	5	2.51	2.87	2.31	2.51
2022	6	2.34	2.70	2.14	2.34
2022	7	2.38	2.74	2.18	2.38
2022	8	2.40	2.76	2.20	2.40
2022	9	2.60	2.96	2.40	2.60
2022	10	2.62	2.98	2.42	2.62
2022	11	2.75	3.11	2.55	2.75
2022	12	3.05	3.41	2.85	3.05
2023	1	3.39	3.83	2.86	3.39
2023	2	3.34	3.79	2.82	3.34
2023	3	3.19	3.64	2.67	3.19
2023	4	2.83	3.28	2.31	2.83
2023	5	2.68	3.12	2.15	2.68
2023	6	2.54	2.99	2.02	2.54
2023	7	2.57	3.02	2.05	2.57
2023	8	2.58	3.03	2.06	2.58
2023	9	2.88	3.32	2.35	2.88
2023	10	2.94	3.38	2.41	2.94
2023	11	3.11	3.56	2.59	3.11
2023	12	3.29	3.73	2.76	3.29
2024	1	3.48	4.01	2.63	3.48
2024	2	3.44	3.97	2.59	3.44
2024	3	3.33	3.85	2.48	3.33
2024	4	3.02	3.55	2.17	3.02
2024	5	2.85	3.38	2.00	2.85
2024	6	2.74	3.27	1.89	2.74
2024	7	2.76	3.29	1.91	2.76
2024	8	2.77	3.30	1.92	2.77
2024	9	3.16	3.68	2.30	3.16
2024	10	3.25	3.78	2.40	3.25
2024	11	3.48	4.00	2.62	3.48
2024	12	3.53	4.05	2.68	3.53
2025	1	3.56	4.32	2.60	3.56
2025	2	3.51	4.27	2.55	3.51
2025	3	3.37	4.14	2.42	3.37
2025	4	3.12	3.89	2.17	3.12
2025	5	2.94	3.71	1.99	2.94
2025	6	2.79	3.56	1.84	2.79
2025	7	2.81	3.58	1.86	2.81
2025	8	2.82	3.59	1.87	2.82
2025	9	3.24	4.00	2.28	3.24
2025	10	3.32	4.09	2.37	3.32

Chicago Citygates
Nominal $/MMBtu

		Ref	AER	SQE	EWD
2021	1	2.51	2.51	2.51	2.51
2021	2	1.76	1.76	1.76	1.76
2021	3	2.95	2.95	2.95	2.95
2021	4	2.78	2.78	2.78	2.78
2021	5	2.71	2.71	2.71	2.71
2021	6	2.73	2.73	2.73	2.73
2021	7	2.79	2.79	2.79	2.79
2021	8	2.80	2.80	2.80	2.80
2021	9	2.75	2.75	2.75	2.75
2021	10	2.77	2.77	2.77	2.77
2021	11	2.92	2.92	2.92	2.92
2021	12	3.18	3.18	3.18	3.18
2022	1	3.39	3.77	3.19	3.39
2022	2	3.35	3.72	3.14	3.35
2022	3	3.16	3.53	2.95	3.16
2022	4	2.73	3.10	2.53	2.73
2022	5	2.59	2.96	2.38	2.59
2022	6	2.42	2.79	2.21	2.42
2022	7	2.46	2.83	2.25	2.46
2022	8	2.47	2.85	2.27	2.47
2022	9	2.68	3.06	2.48	2.68
2022	10	2.70	3.08	2.50	2.70
2022	11	2.84	3.21	2.64	2.84
2022	12	3.15	3.52	2.94	3.15
2023	1	3.56	4.03	3.01	3.56
2023	2	3.51	3.98	2.96	3.51
2023	3	3.35	3.82	2.80	3.35
2023	4	2.98	3.44	2.43	2.98
2023	5	2.81	3.28	2.26	2.81
2023	6	2.67	3.14	2.12	2.67
2023	7	2.70	3.17	2.15	2.70
2023	8	2.72	3.18	2.16	2.72
2023	9	3.02	3.49	2.47	3.02
2023	10	3.09	3.55	2.53	3.09
2023	11	3.27	3.74	2.72	3.27
2023	12	3.45	3.92	2.90	3.45
2024	1	3.73	4.30	2.82	3.73
2024	2	3.69	4.25	2.78	3.69
2024	3	3.56	4.13	2.65	3.56
2024	4	3.24	3.80	2.33	3.24
2024	5	3.05	3.62	2.14	3.05
2024	6	2.94	3.51	2.03	2.94
2024	7	2.96	3.52	2.04	2.96
2024	8	2.97	3.54	2.06	2.97
2024	9	3.38	3.95	2.47	3.38
2024	10	3.49	4.05	2.58	3.49
2024	11	3.73	4.29	2.81	3.73
2024	12	3.78	4.35	2.87	3.78
2025	1	3.89	4.73	2.85	3.89
2025	2	3.84	4.68	2.79	3.84
2025	3	3.69	4.53	2.65	3.69
2025	4	3.41	4.25	2.37	3.41
2025	5	3.22	4.06	2.18	3.22
2025	6	3.06	3.90	2.01	3.06
2025	7	3.07	3.91	2.03	3.07
2025	8	3.09	3.93	2.05	3.09
2025	9	3.54	4.38	2.50	3.54
2025	10	3.64	4.48	2.59	3.64

2025	11	3.56	4.32	2.60	3.56
2025	12	3.63	4.40	2.68	3.63
2026	1	3.75	4.75	2.73	3.75
2026	2	3.69	4.69	2.68	3.69
2026	3	3.57	4.57	2.55	3.57
2026	4	3.27	4.27	2.25	3.27
2026	5	3.04	4.04	2.03	3.04
2026	6	2.91	3.91	1.89	2.91
2026	7	2.93	3.93	1.91	2.93
2026	8	2.95	3.94	1.93	2.95
2026	9	3.25	4.25	2.23	3.25
2026	10	3.32	4.32	2.30	3.32
2026	11	3.50	4.50	2.48	3.50
2026	12	3.61	4.61	2.59	3.61
2027	1	3.74	4.85	2.66	3.74
2027	2	3.69	4.80	2.61	3.69
2027	3	3.64	4.75	2.56	3.64
2027	4	3.37	4.48	2.29	3.37
2027	5	3.15	4.26	2.07	3.15
2027	6	3.03	4.14	1.95	3.03
2027	7	3.04	4.15	1.96	3.04
2027	8	3.06	4.17	1.98	3.06
2027	9	3.34	4.45	2.26	3.34
2027	10	3.39	4.51	2.32	3.39
2027	11	3.59	4.70	2.51	3.59
2027	12	3.69	4.80	2.61	3.69
2028	1	3.76	4.94	2.61	3.76
2028	2	3.70	4.88	2.55	3.70
2028	3	3.70	4.89	2.55	3.70
2028	4	3.43	4.61	2.28	3.43
2028	5	3.22	4.41	2.07	3.22
2028	6	3.10	4.28	1.95	3.10
2028	7	3.12	4.30	1.97	3.12
2028	8	3.13	4.31	1.98	3.13
2028	9	3.41	4.59	2.26	3.41
2028	10	3.47	4.65	2.32	3.47
2028	11	3.67	4.85	2.52	3.67
2028	12	3.69	4.87	2.54	3.69
2029	1	3.84	5.09	2.63	3.84
2029	2	3.79	5.04	2.58	3.79
2029	3	3.70	4.96	2.49	3.70
2029	4	3.45	4.70	2.23	3.45
2029	5	3.25	4.51	2.04	3.25
2029	6	3.17	4.42	1.96	3.17
2029	7	3.18	4.44	1.97	3.18
2029	8	3.20	4.45	1.98	3.20
2029	9	3.47	4.73	2.26	3.47
2029	10	3.53	4.78	2.31	3.53
2029	11	3.67	4.93	2.46	3.67
2029	12	3.76	5.02	2.55	3.76
2030	1	3.84	5.16	2.57	3.84
2030	2	3.80	5.12	2.53	3.80
2030	3	3.74	5.06	2.47	3.74
2030	4	3.49	4.81	2.21	3.49
2030	5	3.28	4.60	2.01	3.28
2030	6	3.19	4.51	1.92	3.19
2030	7	3.20	4.53	1.93	3.20
2030	8	3.22	4.54	1.95	3.22
2030	9	3.55	4.87	2.27	3.55
2030	10	3.61	4.93	2.33	3.61
2030	11	3.75	5.07	2.48	3.75
2030	12	3.85	5.18	2.58	3.85
2031	1	3.92	5.31	2.61	3.92

2025	11	3.89	4.73	2.85	3.89
2025	12	3.97	4.81	2.93	3.97
2026	1	4.19	5.31	3.05	4.19
2026	2	4.13	5.25	2.99	4.13
2026	3	3.99	5.10	2.85	3.99
2026	4	3.65	4.77	2.51	3.65
2026	5	3.40	4.52	2.26	3.40
2026	6	3.26	4.37	2.12	3.26
2026	7	3.27	4.39	2.13	3.27
2026	8	3.29	4.41	2.15	3.29
2026	9	3.63	4.75	2.49	3.63
2026	10	3.71	4.83	2.57	3.71
2026	11	3.91	5.03	2.77	3.91
2026	12	4.03	5.15	2.89	4.03
2027	1	4.27	5.54	3.04	4.27
2027	2	4.21	5.48	2.98	4.21
2027	3	4.15	5.42	2.93	4.15
2027	4	3.84	5.11	2.61	3.84
2027	5	3.59	4.86	2.36	3.59
2027	6	3.45	4.72	2.22	3.45
2027	7	3.47	4.74	2.24	3.47
2027	8	3.49	4.76	2.26	3.49
2027	9	3.81	5.08	2.58	3.81
2027	10	3.87	5.14	2.64	3.87
2027	11	4.09	5.36	2.86	4.09
2027	12	4.21	5.48	2.98	4.21
2028	1	4.38	5.75	3.04	4.38
2028	2	4.31	5.68	2.97	4.31
2028	3	4.31	5.69	2.97	4.31
2028	4	3.99	5.37	2.65	3.99
2028	5	3.75	5.13	2.42	3.75
2028	6	3.61	4.99	2.27	3.61
2028	7	3.63	5.01	2.29	3.63
2028	8	3.65	5.02	2.31	3.65
2028	9	3.97	5.35	2.63	3.97
2028	10	4.04	5.42	2.70	4.04
2028	11	4.27	5.65	2.93	4.27
2028	12	4.30	5.68	2.96	4.30
2029	1	4.57	6.06	3.12	4.57
2029	2	4.51	6.00	3.06	4.51
2029	3	4.40	5.89	2.96	4.40
2029	4	4.10	5.59	2.66	4.10
2029	5	3.87	5.36	2.42	3.87
2029	6	3.77	5.26	2.32	3.77
2029	7	3.79	5.28	2.34	3.79
2029	8	3.80	5.29	2.36	3.80
2029	9	4.13	5.62	2.69	4.13
2029	10	4.19	5.68	2.75	4.19
2029	11	4.37	5.86	2.93	4.37
2029	12	4.48	5.97	3.03	4.48
2030	1	4.66	6.27	3.12	4.66
2030	2	4.62	6.22	3.07	4.62
2030	3	4.54	6.14	2.99	4.54
2030	4	4.23	5.84	2.69	4.23
2030	5	3.98	5.59	2.44	3.98
2030	6	3.87	5.48	2.33	3.87
2030	7	3.89	5.50	2.35	3.89
2030	8	3.91	5.51	2.36	3.91
2030	9	4.30	5.91	2.76	4.30
2030	10	4.38	5.98	2.83	4.38
2030	11	4.56	6.16	3.01	4.56
2030	12	4.68	6.28	3.14	4.68
2031	1	4.86	6.58	3.23	4.86

2031	2	3.90	5.29	2.59	3.90
2031	3	3.80	5.19	2.48	3.80
2031	4	3.53	4.91	2.21	3.53
2031	5	3.33	4.72	2.01	3.33
2031	6	3.24	4.63	1.92	3.24
2031	7	3.26	4.64	1.94	3.26
2031	8	3.27	4.66	1.95	3.27
2031	9	3.58	4.97	2.26	3.58
2031	10	3.63	5.02	2.31	3.63
2031	11	3.79	5.17	2.47	3.79
2031	12	3.88	5.26	2.56	3.88
2032	1	3.87	5.32	2.51	3.87
2032	2	3.79	5.24	2.43	3.79
2032	3	3.78	5.23	2.42	3.78
2032	4	3.52	4.97	2.17	3.52
2032	5	3.39	4.84	2.04	3.39
2032	6	3.31	4.76	1.95	3.31
2032	7	3.32	4.77	1.96	3.32
2032	8	3.34	4.79	1.98	3.34
2032	9	3.63	5.08	2.27	3.63
2032	10	3.71	5.16	2.35	3.71
2032	11	3.86	5.31	2.51	3.86
2032	12	3.97	5.42	2.61	3.97
2033	1	4.01	5.52	2.61	4.01
2033	2	4.01	5.52	2.62	4.01
2033	3	3.93	5.44	2.53	3.93
2033	4	3.61	5.12	2.22	3.61
2033	5	3.38	4.89	1.99	3.38
2033	6	3.30	4.81	1.91	3.30
2033	7	3.32	4.83	1.92	3.32
2033	8	3.33	4.84	1.94	3.33
2033	9	3.59	5.10	2.20	3.59
2033	10	3.67	5.18	2.28	3.67
2033	11	3.84	5.35	2.45	3.84
2033	12	3.93	5.44	2.53	3.93
2034	1	3.98	5.55	2.56	3.98
2034	2	3.96	5.53	2.54	3.96
2034	3	3.86	5.43	2.44	3.86
2034	4	3.61	5.18	2.19	3.61
2034	5	3.42	4.99	2.00	3.42
2034	6	3.37	4.94	1.95	3.37
2034	7	3.38	4.95	1.96	3.38
2034	8	3.40	4.97	1.98	3.40
2034	9	3.65	5.22	2.23	3.65
2034	10	3.75	5.32	2.33	3.75
2034	11	3.94	5.51	2.51	3.94
2034	12	4.01	5.58	2.59	4.01
2035	1	3.98	5.61	2.53	3.98
2035	2	3.95	5.58	2.51	3.95
2035	3	3.88	5.51	2.44	3.88
2035	4	3.62	5.24	2.17	3.62
2035	5	3.41	5.04	1.97	3.41
2035	6	3.36	4.99	1.92	3.36
2035	7	3.38	5.00	1.93	3.38
2035	8	3.39	5.02	1.95	3.39
2035	9	3.68	5.31	2.24	3.68
2035	10	3.80	5.43	2.36	3.80
2035	11	3.97	5.60	2.52	3.97
2035	12	4.07	5.70	2.62	4.07
2036	1	4.04	5.72	2.58	4.04
2036	2	3.92	5.60	2.45	3.92
2036	3	3.91	5.59	2.44	3.91
2036	4	3.63	5.31	2.16	3.63

2031	2	4.84	6.56	3.21	4.84
2031	3	4.71	6.43	3.08	4.71
2031	4	4.37	6.09	2.74	4.37
2031	5	4.13	5.85	2.49	4.13
2031	6	4.02	5.74	2.38	4.02
2031	7	4.04	5.76	2.40	4.04
2031	8	4.05	5.77	2.42	4.05
2031	9	4.44	6.16	2.80	4.44
2031	10	4.50	6.22	2.87	4.50
2031	11	4.69	6.41	3.06	4.69
2031	12	4.81	6.53	3.17	4.81
2032	1	4.90	6.74	3.18	4.90
2032	2	4.80	6.63	3.08	4.80
2032	3	4.78	6.62	3.06	4.78
2032	4	4.46	6.30	2.74	4.46
2032	5	4.29	6.13	2.58	4.29
2032	6	4.18	6.02	2.47	4.18
2032	7	4.20	6.04	2.48	4.20
2032	8	4.22	6.06	2.50	4.22
2032	9	4.59	6.43	2.87	4.59
2032	10	4.70	6.54	2.98	4.70
2032	11	4.89	6.73	3.17	4.89
2032	12	5.02	6.86	3.30	5.02
2033	1	5.18	7.13	3.38	5.18
2033	2	5.18	7.13	3.38	5.18
2033	3	5.07	7.03	3.27	5.07
2033	4	4.67	6.62	2.87	4.67
2033	5	4.37	6.32	2.57	4.37
2033	6	4.27	6.22	2.47	4.27
2033	7	4.28	6.24	2.49	4.28
2033	8	4.30	6.26	2.51	4.30
2033	9	4.64	6.60	2.84	4.64
2033	10	4.75	6.70	2.95	4.75
2033	11	4.96	6.92	3.16	4.96
2033	12	5.07	7.03	3.28	5.07
2034	1	5.25	7.32	3.38	5.25
2034	2	5.22	7.30	3.35	5.22
2034	3	5.09	7.16	3.22	5.09
2034	4	4.76	6.83	2.89	4.76
2034	5	4.52	6.59	2.64	4.52
2034	6	4.44	6.51	2.57	4.44
2034	7	4.46	6.53	2.59	4.46
2034	8	4.48	6.55	2.61	4.48
2034	9	4.82	6.89	2.95	4.82
2034	10	4.95	7.02	3.08	4.95
2034	11	5.19	7.27	3.32	5.19
2034	12	5.29	7.36	3.42	5.29
2035	1	5.36	7.55	3.41	5.36
2035	2	5.32	7.51	3.38	5.32
2035	3	5.23	7.42	3.29	5.23
2035	4	4.87	7.06	2.93	4.87
2035	5	4.59	6.79	2.65	4.59
2035	6	4.53	6.72	2.58	4.53
2035	7	4.55	6.74	2.60	4.55
2035	8	4.57	6.76	2.62	4.57
2035	9	4.96	7.15	3.01	4.96
2035	10	5.12	7.32	3.18	5.12
2035	11	5.35	7.54	3.40	5.35
2035	12	5.48	7.67	3.53	5.48
2036	1	5.56	7.87	3.54	5.56
2036	2	5.39	7.70	3.37	5.39
2036	3	5.38	7.69	3.36	5.38
2036	4	4.99	7.30	2.97	4.99

2036	5	3.44	5.12	1.98	3.44
2036	6	3.38	5.06	1.92	3.38
2036	7	3.40	5.08	1.93	3.40
2036	8	3.42	5.10	1.95	3.42
2036	9	3.70	5.38	2.23	3.70
2036	10	3.78	5.46	2.31	3.78
2036	11	3.96	5.64	2.49	3.96
2036	12	4.04	5.72	2.58	4.04
2037	1	4.02	5.75	2.54	4.02
2037	2	3.98	5.71	2.50	3.98
2037	3	3.92	5.65	2.43	3.92

2036	5	4.73	7.05	2.72	4.73
2036	6	4.65	6.97	2.64	4.65
2036	7	4.68	6.99	2.66	4.68
2036	8	4.70	7.01	2.68	4.70
2036	9	5.09	7.40	3.07	5.09
2036	10	5.19	7.50	3.18	5.19
2036	11	5.44	7.75	3.43	5.44
2036	12	5.56	7.87	3.54	5.56
2037	1	5.65	8.08	3.57	5.65
2037	2	5.59	8.02	3.51	5.59
2037	3	5.50	7.93	3.42	5.50

2037	4	3.65	5.38	2.17	3.65
2037	5	3.48	5.21	2.00	3.48
2037	6	3.39	5.12	1.91	3.39
2037	7	3.40	5.13	1.92	3.40
2037	8	3.42	5.15	1.94	3.42
2037	9	3.68	5.41	2.20	3.68
2037	10	3.79	5.52	2.31	3.79
2037	11	3.97	5.70	2.49	3.97
2037	12	4.06	5.79	2.58	4.06
2038	1	4.04	5.81	2.54	4.04
2038	2	3.99	5.77	2.50	3.99
2038	3	3.92	5.69	2.42	3.92
2038	4	3.64	5.42	2.15	3.64
2038	5	3.47	5.25	1.98	3.47
2038	6	3.39	5.17	1.90	3.39
2038	7	3.41	5.19	1.92	3.41
2038	8	3.43	5.21	1.94	3.43
2038	9	3.71	5.48	2.21	3.71
2038	10	3.80	5.57	2.30	3.80
2038	11	3.98	5.76	2.49	3.98
2038	12	4.07	5.85	2.58	4.07
2039	1	4.04	5.86	2.54	4.04
2039	2	3.99	5.81	2.49	3.99
2039	3	3.91	5.73	2.41	3.91
2039	4	3.62	5.44	2.12	3.62
2039	5	3.48	5.30	1.97	3.48
2039	6	3.42	5.24	1.92	3.42
2039	7	3.44	5.26	1.94	3.44
2039	8	3.46	5.28	1.96	3.46
2039	9	3.73	5.55	2.23	3.73
2039	10	3.80	5.62	2.30	3.80
2039	11	3.95	5.77	2.45	3.95
2039	12	4.07	5.89	2.57	4.07
2040	1	4.04	5.90	2.54	4.04
2040	2	3.90	5.76	2.39	3.90
2040	3	3.90	5.76	2.39	3.90
2040	4	3.61	5.47	2.10	3.61
2040	5	3.50	5.36	1.99	3.50
2040	6	3.46	5.32	1.95	3.46
2040	7	3.47	5.33	1.97	3.47
2040	8	3.49	5.35	1.98	3.49
2040	9	3.76	5.62	2.25	3.76
2040	10	3.82	5.68	2.31	3.82
2040	11	3.97	5.83	2.46	3.97
2040	12	4.09	5.95	2.59	4.09

2037	4	5.13	7.56	3.05	5.13
2037	5	4.88	7.31	2.80	4.88
2037	6	4.76	7.19	2.68	4.76
2037	7	4.78	7.21	2.70	4.78
2037	8	4.80	7.23	2.72	4.80
2037	9	5.17	7.60	3.09	5.17
2037	10	5.32	7.75	3.24	5.32
2037	11	5.58	8.01	3.50	5.58
2037	12	5.70	8.13	3.62	5.70
2038	1	5.79	8.34	3.65	5.79
2038	2	5.73	8.27	3.58	5.73
2038	3	5.62	8.16	3.48	5.62
2038	4	5.22	7.77	3.08	5.22
2038	5	4.98	7.52	2.84	4.98
2038	6	4.87	7.41	2.73	4.87
2038	7	4.89	7.44	2.75	4.89
2038	8	4.92	7.46	2.77	4.92
2038	9	5.32	7.86	3.18	5.32
2038	10	5.45	7.99	3.30	5.45
2038	11	5.71	8.26	3.57	5.71
2038	12	5.84	8.39	3.70	5.84
2039	1	5.92	8.58	3.72	5.92
2039	2	5.84	8.50	3.64	5.84
2039	3	5.72	8.39	3.52	5.72
2039	4	5.30	7.97	3.10	5.30
2039	5	5.09	7.75	2.89	5.09
2039	6	5.01	7.68	2.81	5.01
2039	7	5.04	7.70	2.84	5.04
2039	8	5.06	7.73	2.86	5.06
2039	9	5.47	8.13	3.27	5.47
2039	10	5.56	8.23	3.36	5.56
2039	11	5.79	8.45	3.59	5.79
2039	12	5.96	8.62	3.76	5.96
2040	1	6.05	8.83	3.79	6.05
2040	2	5.83	8.61	3.58	5.83
2040	3	5.83	8.61	3.57	5.83
2040	4	5.39	8.17	3.14	5.39
2040	5	5.23	8.01	2.97	5.23
2040	6	5.17	7.95	2.91	5.17
2040	7	5.19	7.97	2.94	5.19
2040	8	5.22	8.00	2.97	5.22
2040	9	5.62	8.40	3.36	5.62
2040	10	5.71	8.49	3.45	5.71
2040	11	5.94	8.72	3.68	5.94
2040	12	6.12	8.90	3.86	6.12

Chicago Citygates
2020 $/MMBtu

	Ref	AER	SQE	EWD
2021	2.69	2.69	2.69	2.69
2022	2.74	3.10	2.54	2.74
2023	2.94	3.39	2.42	2.94
2024	3.15	3.68	2.30	3.15
2025	3.22	3.99	2.27	3.22
2026	3.31	4.31	2.29	3.31
2027	3.39	4.50	2.31	3.39
2028	3.45	4.63	2.30	3.45
2029	3.50	4.75	2.29	3.50
2030	3.54	4.86	2.27	3.54
2031	3.59	4.98	2.27	3.59
2032	3.62	5.07	2.27	3.62
2033	3.66	5.17	2.27	3.66
2034	3.69	5.26	2.27	3.69
2035	3.71	5.33	2.26	3.71
2036	3.72	5.40	2.25	3.72
2037	3.73	5.46	2.25	3.73
2038	3.74	5.51	2.24	3.74
2039	3.74	5.56	2.24	3.74
2040	3.75	5.61	2.24	3.75

Chicago Citygates
Nominal $/MMBtu

	Ref	AER	SQE	EWD
2021	2.73	2.73	2.73	2.73
2022	2.83	3.20	2.62	2.83
2023	3.09	3.56	2.54	3.09
2024	3.38	3.94	2.46	3.38
2025	3.52	4.37	2.48	3.52
2026	3.70	4.82	2.56	3.70
2027	3.87	5.14	2.64	3.87
2028	4.02	5.39	2.68	4.02
2029	4.16	5.65	2.72	4.16
2030	4.30	5.91	2.76	4.30
2031	4.45	6.17	2.82	4.45
2032	4.59	6.42	2.87	4.59
2033	4.73	6.68	2.93	4.73
2034	4.87	6.94	3.00	4.87
2035	4.99	7.18	3.05	4.99
2036	5.11	7.42	3.10	5.11
2037	5.24	7.67	3.16	5.24
2038	5.36	7.91	3.22	5.36
2039	5.48	8.14	3.28	5.48
2040	5.61	8.39	3.35	5.61

Henry Hub
2020 $/MMBtu

	Ref	AER	SQE	EWD
2021	3.01	3.01	3.01	3.01
2022	2.81	3.17	2.61	2.81
2023	3.02	3.46	2.49	3.02
2024	3.22	3.75	2.37	3.22
2025	3.31	4.08	2.36	3.31
2026	3.40	4.40	2.38	3.40
2027	3.47	4.59	2.40	3.47
2028	3.54	4.73	2.39	3.54
2029	3.60	4.86	2.39	3.60
2030	3.66	4.98	2.39	3.66
2031	3.71	5.10	2.39	3.71
2032	3.76	5.21	2.40	3.76
2033	3.79	5.31	2.40	3.79
2034	3.83	5.40	2.41	3.83
2035	3.86	5.49	2.41	3.86
2036	3.88	5.56	2.42	3.88
2037	3.91	5.64	2.43	3.91
2038	3.93	5.70	2.43	3.93
2039	3.94	5.76	2.44	3.94
2040	3.95	5.81	2.45	3.95

Henry Hub
Nominal $/MMBtu

	Ref	AER	SQE	EWD
2021	3.06	3.06	3.06	3.06
2022	2.90	3.27	2.70	2.90
2023	3.17	3.64	2.62	3.17
2024	3.45	4.02	2.54	3.45
2025	3.63	4.47	2.58	3.63
2026	3.79	4.91	2.66	3.79
2027	3.96	5.23	2.73	3.96
2028	4.13	5.50	2.79	4.13
2029	4.29	5.78	2.84	4.29
2030	4.44	6.05	2.90	4.44
2031	4.60	6.32	2.97	4.60
2032	4.75	6.59	3.04	4.75
2033	4.90	6.86	3.10	4.90
2034	5.05	7.12	3.18	5.05
2035	5.20	7.39	3.25	5.20
2036	5.34	7.65	3.33	5.34
2037	5.49	7.92	3.41	5.49
2038	5.63	8.18	3.49	5.63
2039	5.77	8.43	3.57	5.77
2040	5.91	8.69	3.66	5.91

Stochastic Input Distribution - MISO Zone 6 Power Price - Around the Clock (ATC)
Note that 500 individual paths were developed. This summarizes the distribution on a monthly basis.

nominal $/MWh

		Average	1st %	5th %	25th %	50th %	75th %	95th %	99th %
2021	1	34.34	22.32	25.82	30.57	33.93	37.37	43.15	56.00
2021	2	35.58	22.84	26.65	31.64	35.14	38.66	45.02	58.11
2021	3	30.87	22.42	25.09	28.49	30.82	33.15	36.73	40.05
2021	4	29.83	21.69	24.08	27.44	29.79	32.16	35.67	38.29
2021	5	29.44	21.45	23.77	27.07	29.43	31.70	35.21	37.87
2021	6	28.97	16.64	20.43	25.40	28.88	32.29	37.71	42.85
2021	7	31.59	19.33	23.04	27.99	31.49	35.01	40.37	45.00
2021	8	31.26	18.76	22.74	27.69	31.14	34.61	39.96	45.34
2021	9	30.09	21.95	24.38	27.64	30.07	32.46	35.89	38.64
2021	10	28.54	20.56	22.75	26.17	28.52	30.84	34.28	37.19
2021	11	29.86	21.79	24.25	27.62	29.82	32.09	35.56	38.19
2021	12	32.05	19.75	23.17	28.11	31.57	35.05	41.08	54.61
2022	1	37.81	24.67	28.42	33.53	37.14	40.67	47.23	61.97
2022	2	35.34	21.86	25.86	31.13	34.81	38.53	45.29	61.07
2022	3	31.83	23.20	25.85	29.33	31.80	34.30	37.76	40.71
2022	4	28.99	20.98	23.32	26.63	28.92	31.29	34.83	37.53
2022	5	28.54	20.33	22.68	26.10	28.54	30.93	34.40	37.06
2022	6	27.31	14.79	18.52	23.63	27.19	30.85	36.20	41.21
2022	7	30.45	17.73	21.68	26.84	30.38	33.91	39.25	45.30
2022	8	30.32	18.07	21.62	26.59	30.17	33.74	39.32	45.70
2022	9	29.87	21.19	23.74	27.39	29.86	32.34	36.02	39.10
2022	10	28.40	20.25	22.62	26.03	28.34	30.71	34.19	37.10
2022	11	29.54	21.43	23.74	27.19	29.53	31.80	35.27	38.32
2022	12	31.99	19.17	23.06	28.14	31.59	35.13	41.11	54.58
2023	1	39.64	26.39	30.28	35.53	39.19	42.94	49.70	64.67
2023	2	36.89	23.71	27.64	32.94	36.44	40.03	46.74	60.88
2023	3	33.57	24.81	27.39	31.03	33.51	36.03	39.80	42.86
2023	4	31.10	22.49	25.28	28.73	31.10	33.45	36.81	39.60
2023	5	30.49	22.26	24.69	28.14	30.47	32.79	36.24	38.92
2023	6	31.03	18.58	22.35	27.36	30.96	34.44	39.71	45.46
2023	7	33.74	21.04	24.68	29.99	33.58	37.22	42.87	48.79
2023	8	33.38	20.04	24.24	29.72	33.40	36.95	42.26	47.40
2023	9	32.82	24.16	26.90	30.33	32.78	35.23	39.02	41.76
2023	10	32.17	23.74	26.12	29.74	32.18	34.55	38.18	40.93
2023	11	32.97	24.40	26.93	30.54	33.00	35.37	38.99	41.86
2023	12	35.80	22.41	26.44	31.78	35.35	38.96	45.23	59.39
2024	1	42.46	28.32	32.48	38.21	41.96	45.64	52.28	69.15
2024	2	39.15	25.22	29.27	34.74	38.48	42.20	49.33	64.93
2024	3	35.08	26.20	28.81	32.48	35.05	37.59	41.25	44.49
2024	4	32.67	23.80	26.57	30.14	32.65	35.15	38.73	41.71
2024	5	32.84	24.07	26.71	30.26	32.82	35.27	39.06	41.96
2024	6	32.19	19.40	23.30	28.55	32.09	35.65	41.09	46.80
2024	7	35.66	22.62	26.33	31.88	35.52	39.18	44.88	51.04
2024	8	34.72	21.47	25.57	30.96	34.62	38.26	43.84	50.14
2024	9	35.09	25.76	28.88	32.55	35.07	37.61	41.36	44.40
2024	10	33.93	25.33	27.94	31.42	33.89	36.38	40.13	42.83
2024	11	35.36	26.81	29.30	32.83	35.31	37.78	41.60	44.51
2024	12	38.58	25.48	28.99	34.36	38.14	41.89	48.45	62.77
2025	1	42.63	28.28	32.30	38.02	42.07	46.12	53.53	69.66
2025	2	39.64	25.69	29.63	35.35	39.16	43.15	49.97	65.22
2025	3	35.74	26.42	29.24	33.04	35.72	38.39	42.25	45.41
2025	4	32.97	23.76	26.57	30.34	32.96	35.55	39.35	42.27
2025	5	33.29	24.30	27.00	30.69	33.27	35.84	39.60	42.42
2025	6	32.89	19.70	23.47	28.97	32.81	36.58	42.35	47.76
2025	7	36.02	22.86	26.52	32.10	35.93	39.76	45.51	51.15
2025	8	35.28	21.72	25.69	31.34	35.17	39.08	44.80	50.84
2025	9	35.88	26.64	29.36	33.18	35.84	38.54	42.42	45.73
2025	10	34.74	25.73	28.45	32.09	34.69	37.28	41.14	44.39

2025	11	36.14	27.37	29.92	33.54	36.11	38.66	42.39	45.44
2025	12	39.57	25.83	29.66	35.17	39.00	42.82	49.85	66.80
2026	1	50.20	36.13	40.08	45.72	49.64	53.60	60.60	76.40
2026	2	47.22	32.68	36.95	42.76	46.68	50.65	57.49	73.42
2026	3	42.94	33.51	36.33	40.18	42.88	45.61	49.65	52.97
2026	4	39.84	30.36	33.38	37.20	39.83	42.50	46.23	49.26
2026	5	39.73	30.67	33.36	37.04	39.66	42.35	46.30	49.44
2026	6	40.52	26.87	30.86	36.55	40.37	44.28	50.22	57.23
2026	7	43.91	30.40	34.47	40.02	43.80	47.58	53.49	59.06
2026	8	43.49	30.05	33.98	39.49	43.35	47.30	53.14	58.67
2026	9	42.97	33.48	36.17	40.20	42.95	45.67	49.70	52.84
2026	10	40.97	31.70	34.53	38.33	40.95	43.51	47.49	50.91
2026	11	42.44	33.39	36.12	39.82	42.37	45.03	48.92	51.84
2026	12	46.29	31.83	35.92	41.52	45.56	49.54	56.61	73.21
2027	1	51.01	36.56	40.54	46.39	50.37	54.50	61.79	78.95
2027	2	47.88	33.28	37.49	43.38	47.44	51.51	58.36	74.57
2027	3	44.44	34.81	37.73	41.65	44.38	47.12	51.26	54.76
2027	4	40.91	31.09	34.21	38.18	40.96	43.60	47.51	50.77
2027	5	40.89	31.37	34.29	38.18	40.87	43.53	47.50	50.84
2027	6	41.55	27.93	32.11	37.57	41.42	45.24	51.22	57.61
2027	7	45.28	31.20	35.38	41.17	45.18	49.16	55.22	61.75
2027	8	44.65	30.88	34.85	40.54	44.47	48.53	54.70	60.72
2027	9	44.11	34.46	37.32	41.35	44.07	46.84	50.92	54.18
2027	10	42.23	32.64	35.46	39.47	42.24	44.97	48.85	52.08
2027	11	43.57	34.38	37.11	40.90	43.51	46.18	50.11	53.17
2027	12	47.53	32.52	36.89	42.89	46.96	51.01	58.20	75.15
2028	1	53.07	37.20	41.86	48.15	52.25	56.54	64.14	82.10
2028	2	49.49	34.16	38.48	44.67	48.87	53.08	60.71	79.24
2028	3	45.18	34.87	37.91	42.16	45.14	48.15	52.52	55.97
2028	4	41.48	31.10	34.33	38.48	41.46	44.43	48.72	51.91
2028	5	41.84	31.63	34.67	38.83	41.79	44.81	49.13	52.40
2028	6	42.57	28.20	32.44	38.23	42.34	46.58	53.01	60.27
2028	7	46.93	32.58	36.64	42.54	46.76	51.02	57.36	64.26
2028	8	46.10	31.37	35.69	41.72	45.97	50.18	56.45	63.24
2028	9	45.24	34.54	37.88	42.25	45.21	48.20	52.64	55.99
2028	10	43.56	33.57	36.41	40.57	43.53	46.47	50.80	54.06
2028	11	45.30	35.17	38.19	42.36	45.28	48.20	52.39	56.03
2028	12	49.83	34.66	39.13	45.02	49.07	53.11	60.59	77.74
2029	1	56.55	41.26	45.40	51.43	55.72	60.09	67.97	86.39
2029	2	51.95	36.32	40.95	47.26	51.50	55.82	62.82	79.36
2029	3	47.17	36.53	39.77	44.10	47.15	50.20	54.56	58.08
2029	4	43.07	32.53	35.65	39.99	43.03	46.07	50.55	54.04
2029	5	43.50	33.01	36.09	40.41	43.46	46.53	51.06	54.48
2029	6	44.24	29.32	33.82	39.91	44.12	48.37	54.69	60.69
2029	7	49.46	34.58	38.92	45.16	49.38	53.61	59.86	65.95
2029	8	48.53	33.55	37.99	44.03	48.31	52.69	59.28	67.27
2029	9	47.26	36.60	39.71	44.07	47.17	50.32	54.96	59.06
2029	10	45.36	35.28	38.15	42.35	45.31	48.28	52.69	56.06
2029	11	47.03	36.53	39.90	44.06	47.01	49.96	54.26	57.61
2029	12	52.44	37.52	41.83	47.81	51.96	56.23	63.45	79.39
2030	1	57.72	41.82	46.50	52.79	57.10	61.59	69.27	83.87
2030	2	53.59	38.18	42.48	48.66	53.09	57.53	65.46	82.39
2030	3	48.22	37.04	40.54	45.08	48.21	51.33	55.91	59.47
2030	4	43.89	33.33	36.41	40.77	43.82	46.93	51.52	55.18
2030	5	44.56	34.13	37.11	41.39	44.46	47.58	52.33	56.01
2030	6	45.58	30.74	34.92	41.12	45.42	49.77	56.31	63.85
2030	7	51.04	35.83	40.11	46.41	50.82	55.35	62.32	69.28
2030	8	49.71	34.21	38.97	45.28	49.58	53.94	60.46	66.39
2030	9	48.84	37.83	41.24	45.71	48.77	51.93	56.50	60.09
2030	10	46.90	36.32	39.42	43.82	46.85	49.90	54.42	58.13
2030	11	48.49	38.46	41.33	45.47	48.44	51.43	55.78	59.18
2030	12	54.88	39.39	43.75	49.91	54.14	58.46	66.23	85.17
2031	1	59.49	42.89	47.80	54.53	58.95	63.38	71.54	88.30

2031	2	55.16	38.50	43.56	50.23	54.78	59.25	66.87	84.13
2031	3	49.48	38.50	41.77	46.24	49.42	52.64	57.43	61.05
2031	4	44.56	33.73	36.91	41.35	44.51	47.71	52.28	56.03
2031	5	45.36	34.49	37.78	42.19	45.30	48.49	53.13	56.64
2031	6	46.55	30.98	35.60	41.89	46.38	50.89	57.77	64.53
2031	7	52.08	36.40	41.07	47.48	52.01	56.53	63.19	69.07
2031	8	51.03	35.59	40.10	46.48	50.86	55.35	62.07	69.64
2031	9	49.99	39.15	42.27	46.75	49.93	53.13	57.84	61.66
2031	10	47.78	37.20	40.31	44.72	47.80	50.83	55.13	58.41
2031	11	49.80	39.46	42.42	46.72	49.74	52.80	57.32	60.93
2031	12	56.25	39.73	44.53	51.08	55.52	59.92	67.82	85.64
2032	1	61.94	44.39	49.03	55.42	59.88	64.44	72.86	98.57
2032	2	55.76	40.03	44.26	50.52	55.00	59.64	67.65	85.36
2032	3	50.38	39.42	42.46	47.08	50.33	53.56	58.33	62.34
2032	4	45.31	34.26	37.55	42.05	45.26	48.49	53.17	56.94
2032	5	46.72	35.92	38.90	43.37	46.61	49.95	54.77	58.47
2032	6	47.61	31.88	36.41	42.81	47.39	52.04	59.24	66.30
2032	7	53.49	37.12	42.11	48.70	53.32	57.95	64.99	74.11
2032	8	52.31	36.55	41.03	47.65	52.23	56.80	63.47	70.41
2032	9	50.98	40.17	43.23	47.78	50.89	54.09	58.92	62.87
2032	10	48.53	37.55	40.87	45.38	48.52	51.63	56.26	59.77
2032	11	51.45	40.75	43.91	48.34	51.44	54.57	58.95	62.24
2032	12	58.15	42.45	46.71	53.07	57.43	61.90	69.63	86.43
2033	1	63.85	46.63	51.46	58.42	63.09	67.91	76.27	94.35
2033	2	58.59	40.78	46.19	53.18	58.06	62.97	71.44	88.52
2033	3	51.90	39.87	43.41	48.25	51.79	55.43	60.71	64.70
2033	4	45.82	33.88	37.44	42.24	45.74	49.34	54.39	58.11
2033	5	46.98	35.12	38.57	43.37	46.90	50.52	55.64	59.36
2033	6	48.33	31.90	36.60	43.40	48.10	52.92	60.32	68.30
2033	7	54.28	37.31	42.30	49.25	54.19	59.06	66.38	73.94
2033	8	53.55	37.10	42.17	48.71	53.35	58.06	65.26	72.70
2033	9	51.93	40.27	43.50	48.30	51.81	55.45	60.67	64.56
2033	10	49.61	37.86	41.24	46.13	49.56	53.05	58.02	61.85
2033	11	52.76	41.12	44.65	49.34	52.68	56.12	61.01	64.93
2033	12	59.89	43.06	48.09	54.82	59.37	64.08	72.03	89.09
2034	1	65.57	47.05	52.65	59.90	64.86	69.88	78.62	96.77
2034	2	60.36	42.17	47.29	54.49	59.37	64.42	73.50	94.43
2034	3	52.95	40.73	44.22	49.24	52.87	56.50	61.90	66.28
2034	4	46.71	34.86	38.24	43.04	46.61	50.28	55.48	59.40
2034	5	48.46	36.34	39.83	44.74	48.35	52.07	57.35	61.47
2034	6	50.37	33.66	38.62	45.39	50.15	55.09	62.48	69.35
2034	7	57.02	40.06	44.96	51.84	56.74	61.77	69.47	77.16
2034	8	56.06	39.21	44.28	51.12	55.91	60.75	68.00	75.20
2034	9	53.85	41.65	45.14	50.14	53.73	57.46	62.80	66.91
2034	10	51.20	38.97	42.51	47.62	51.19	54.77	59.87	63.66
2034	11	55.02	42.97	46.65	51.55	54.93	58.47	63.52	67.58
2034	12	63.52	47.08	51.57	58.10	62.69	67.45	75.77	92.92
2035	1	69.26	51.62	56.67	63.85	68.64	73.51	82.04	101.29
2035	2	62.93	44.43	49.66	56.92	61.98	67.12	76.00	96.53
2035	3	54.82	42.40	46.03	51.08	54.73	58.44	63.70	67.82
2035	4	48.49	36.35	39.68	44.72	48.41	52.16	57.52	61.64
2035	5	49.81	37.72	41.22	46.15	49.66	53.36	58.74	62.95
2035	6	51.74	34.96	39.98	46.77	51.61	56.46	63.54	70.42
2035	7	58.57	41.10	46.37	53.37	58.30	63.51	71.25	78.48
2035	8	58.19	40.86	45.99	53.08	58.04	62.98	70.66	78.33
2035	9	55.86	43.24	46.97	52.08	55.78	59.52	64.95	69.17
2035	10	53.65	41.40	44.86	49.95	53.60	57.30	62.56	66.35
2035	11	57.92	45.72	49.39	54.35	57.85	61.40	66.56	70.57
2035	12	66.77	49.50	54.34	61.30	66.11	71.20	80.02	98.46
2036	1	71.79	54.24	59.19	66.18	71.15	76.27	85.30	105.78
2036	2	64.65	47.17	52.16	59.21	64.11	69.17	77.90	94.30
2036	3	56.46	43.81	47.57	52.72	56.44	60.14	65.40	69.36
2036	4	49.81	37.32	41.01	46.05	49.70	53.51	58.85	62.63

2036	5	51.38	39.15	42.54	47.55	51.24	55.06	60.59	64.76
2036	6	53.61	36.47	41.41	48.37	53.39	58.49	66.24	74.07
2036	7	60.96	43.62	48.43	55.68	60.81	65.86	73.57	81.77
2036	8	60.20	42.53	47.66	55.02	59.96	65.09	72.97	80.61
2036	9	58.21	45.57	49.21	54.38	58.11	61.91	67.44	71.54
2036	10	55.06	42.69	46.40	51.37	55.02	58.66	63.89	67.73
2036	11	59.76	47.65	51.21	56.22	59.68	63.23	68.43	72.45
2036	12	69.78	51.34	57.03	64.13	69.05	74.15	82.97	101.08
2037	1	73.47	55.11	60.40	67.80	72.83	77.85	86.65	106.46
2037	2	66.84	48.32	53.52	61.12	66.38	71.53	80.67	100.37
2037	3	57.88	44.82	48.63	53.97	57.81	61.73	67.23	71.55
2037	4	50.66	37.69	41.44	46.82	50.64	54.47	59.88	63.94
2037	5	53.22	40.62	44.22	49.42	53.15	56.91	62.41	66.76
2037	6	55.41	37.65	43.00	50.23	55.24	60.32	68.13	75.39
2037	7	63.23	45.72	50.95	57.99	63.02	68.12	75.92	83.80
2037	8	62.30	44.79	49.87	57.13	62.16	67.19	74.92	81.94
2037	9	59.82	47.09	50.65	55.92	59.69	63.62	69.29	73.77
2037	10	55.86	43.23	46.92	52.07	55.81	59.57	64.91	69.06
2037	11	61.61	49.16	52.91	57.95	61.55	65.16	70.42	74.86
2037	12	72.06	53.35	58.55	66.10	71.16	76.23	85.24	105.11
2038	1	78.52	57.70	63.59	71.88	77.68	83.61	93.37	115.04
2038	2	71.68	50.78	56.63	65.04	71.16	77.18	86.79	105.71
2038	3	60.36	43.52	47.72	54.45	59.97	66.21	73.80	78.47
2038	4	52.00	35.11	39.18	45.72	51.55	58.14	65.79	70.36
2038	5	54.47	37.55	41.80	48.39	53.94	60.48	68.32	72.63
2038	6	57.86	39.39	44.63	52.12	57.50	63.15	71.77	81.61
2038	7	66.24	47.43	52.85	60.46	65.90	71.63	80.24	89.05
2038	8	64.99	46.38	51.82	59.44	64.73	70.19	78.59	87.99
2038	9	62.52	46.53	50.97	57.46	62.29	67.50	74.61	79.16
2038	10	58.83	43.58	47.61	53.82	58.70	63.71	70.44	74.81
2038	11	65.91	51.22	55.01	61.13	65.79	70.60	77.06	81.59
2038	12	76.32	56.10	62.01	70.13	75.76	81.37	90.84	110.73
2039	1	81.46	60.36	66.11	74.67	80.48	86.34	96.40	117.87
2039	2	73.51	51.85	57.91	66.58	72.80	79.01	89.02	109.84
2039	3	61.85	44.55	48.90	55.86	61.51	67.80	75.43	80.27
2039	4	52.69	35.55	39.75	46.37	52.18	58.89	66.66	71.55
2039	5	56.11	39.31	43.43	49.95	55.54	62.11	70.18	74.89
2039	6	59.18	40.12	45.51	53.43	58.99	64.67	72.92	80.55
2039	7	67.53	48.31	53.60	61.55	67.29	73.12	81.96	90.43
2039	8	67.55	48.42	53.90	61.74	67.33	72.98	81.43	90.09
2039	9	64.81	49.04	53.34	59.66	64.50	69.84	77.01	81.79
2039	10	61.01	45.15	49.62	56.04	60.93	65.95	72.56	76.99
2039	11	67.68	52.45	56.46	62.80	67.58	72.48	79.02	83.50
2039	12	78.85	58.32	64.20	72.49	78.16	83.79	93.44	113.51
2040	1	83.41	62.12	68.12	76.42	82.28	88.26	98.48	118.13
2040	2	74.81	52.55	58.96	67.93	74.34	80.64	90.87	111.27
2040	3	64.16	47.15	51.32	58.13	63.83	70.07	77.73	82.69
2040	4	53.73	35.97	40.44	47.33	53.25	60.04	67.97	72.84
2040	5	57.22	40.17	44.31	50.93	56.60	63.39	71.58	76.50
2040	6	60.67	40.85	46.83	54.70	60.43	66.31	75.11	83.40
2040	7	69.46	49.86	55.58	63.48	69.21	75.10	83.87	92.89
2040	8	69.13	50.03	55.45	63.25	68.81	74.59	83.30	92.18
2040	9	67.37	51.18	55.60	62.18	67.08	72.48	79.78	84.43
2040	10	63.18	47.28	51.59	58.10	63.10	68.22	74.97	79.47
2040	11	70.73	55.40	59.50	65.84	70.59	75.58	82.28	86.95
2040	12	82.62	61.52	67.45	75.65	81.50	87.38	97.15	118.42

2020 $/MWh

		Average	1st %	5th %	25th %	50th %	75th %	95th %	99th %
2021	1	33.84	21.99	25.44	30.12	33.43	36.82	42.51	55.17
2021	2	35.05	22.51	26.26	31.17	34.62	38.09	44.35	57.25
2021	3	30.41	22.09	24.72	28.07	30.36	32.66	36.19	39.46
2021	4	29.38	21.37	23.73	27.03	29.35	31.69	35.15	37.72
2021	5	29.00	21.13	23.41	26.67	28.99	31.23	34.69	37.31
2021	6	28.54	16.40	20.13	25.03	28.46	31.81	37.15	42.22
2021	7	31.12	19.04	22.70	27.58	31.03	34.49	39.78	44.33
2021	8	30.80	18.48	22.40	27.28	30.68	34.10	39.37	44.67
2021	9	29.65	21.63	24.02	27.23	29.62	31.98	35.36	38.07
2021	10	28.12	20.26	22.41	25.78	28.10	30.38	33.77	36.64
2021	11	29.42	21.47	23.89	27.21	29.38	31.62	35.04	37.63
2021	12	31.57	19.46	22.82	27.70	31.10	34.54	40.47	53.80
2022	1	36.63	23.90	27.53	32.49	35.98	39.40	45.76	60.03
2022	2	34.24	21.17	25.06	30.16	33.72	37.33	43.87	59.16
2022	3	30.84	22.48	25.04	28.41	30.81	33.23	36.58	39.44
2022	4	28.08	20.32	22.59	25.80	28.01	30.31	33.74	36.36
2022	5	27.65	19.70	21.97	25.28	27.64	29.96	33.32	35.90
2022	6	26.46	14.33	17.94	22.89	26.34	29.89	35.06	39.92
2022	7	29.50	17.18	21.00	26.00	29.43	32.85	38.02	43.88
2022	8	29.37	17.51	20.95	25.76	29.23	32.69	38.09	44.27
2022	9	28.94	20.52	23.00	26.53	28.93	31.33	34.90	37.88
2022	10	27.51	19.62	21.91	25.21	27.46	29.75	33.12	35.94
2022	11	28.61	20.76	23.00	26.34	28.61	30.81	34.17	37.12
2022	12	30.99	18.57	22.34	27.26	30.60	34.04	39.82	52.87
2023	1	37.72	25.12	28.82	33.81	37.29	40.86	47.29	61.54
2023	2	35.10	22.56	26.30	31.34	34.67	38.09	44.48	57.94
2023	3	31.94	23.61	26.07	29.53	31.89	34.29	37.88	40.78
2023	4	29.59	21.40	24.06	27.34	29.60	31.83	35.03	37.68
2023	5	29.01	21.19	23.49	26.78	29.00	31.20	34.48	37.03
2023	6	29.53	17.68	21.27	26.04	29.47	32.78	37.79	43.26
2023	7	32.11	20.02	23.48	28.54	31.96	35.42	40.79	46.43
2023	8	31.77	19.07	23.06	28.28	31.78	35.16	40.22	45.11
2023	9	31.23	22.99	25.60	28.86	31.19	33.53	37.13	39.74
2023	10	30.61	22.59	24.86	28.31	30.62	32.88	36.33	38.95
2023	11	31.38	23.22	25.63	29.06	31.41	33.66	37.11	39.83
2023	12	34.07	21.33	25.16	30.24	33.64	37.08	43.04	56.52
2024	1	39.61	26.42	30.30	35.65	39.15	42.58	48.78	64.52
2024	2	36.52	23.53	27.31	32.41	35.90	39.37	46.03	60.58
2024	3	32.73	24.44	26.88	30.30	32.70	35.07	38.49	41.51
2024	4	30.48	22.21	24.79	28.12	30.46	32.79	36.13	38.92
2024	5	30.63	22.46	24.92	28.23	30.62	32.91	36.44	39.14
2024	6	30.03	18.10	21.73	26.63	29.94	33.26	38.33	43.66
2024	7	33.27	21.10	24.57	29.74	33.14	36.56	41.87	47.62
2024	8	32.39	20.03	23.85	28.88	32.30	35.69	40.90	46.78
2024	9	32.74	24.03	26.95	30.37	32.72	35.09	38.59	41.42
2024	10	31.65	23.63	26.07	29.32	31.62	33.94	37.44	39.96
2024	11	32.99	25.01	27.34	30.63	32.94	35.25	38.81	41.53
2024	12	35.99	23.77	27.05	32.05	35.58	39.08	45.20	58.56
2025	1	38.95	25.84	29.52	34.74	38.44	42.14	48.92	63.66
2025	2	36.22	23.47	27.08	32.30	35.79	39.43	45.66	59.60
2025	3	32.66	24.14	26.72	30.19	32.64	35.08	38.61	41.50
2025	4	30.13	21.71	24.28	27.72	30.12	32.49	35.95	38.63
2025	5	30.42	22.21	24.67	28.05	30.40	32.75	36.19	38.76
2025	6	30.05	18.00	21.45	26.47	29.98	33.43	38.70	43.64
2025	7	32.91	20.89	24.23	29.33	32.83	36.33	41.58	46.74
2025	8	32.24	19.84	23.47	28.64	32.14	35.71	40.93	46.45
2025	9	32.78	24.34	26.83	30.32	32.75	35.22	38.77	41.78
2025	10	31.74	23.51	25.99	29.33	31.70	34.06	37.59	40.56

2025	11	33.02	25.01	27.34	30.65	33.00	35.32	38.74	41.52
2025	12	36.16	23.60	27.11	32.14	35.64	39.13	45.55	61.04
2026	1	44.93	32.34	35.87	40.92	44.43	47.97	54.23	68.38
2026	2	42.26	29.25	33.07	38.27	41.78	45.33	51.46	65.71
2026	3	38.43	29.99	32.51	35.96	38.38	40.82	44.44	47.41
2026	4	35.66	27.17	29.87	33.29	35.65	38.03	41.38	44.08
2026	5	35.56	27.45	29.86	33.15	35.50	37.90	41.44	44.25
2026	6	36.27	24.05	27.62	32.71	36.13	39.63	44.95	51.22
2026	7	39.30	27.20	30.85	35.82	39.20	42.59	47.87	52.86
2026	8	38.92	26.89	30.41	35.34	38.80	42.34	47.56	52.51
2026	9	38.45	29.96	32.37	35.98	38.44	40.87	44.48	47.29
2026	10	36.67	28.37	30.90	34.30	36.65	38.94	42.51	45.56
2026	11	37.99	29.88	32.33	35.63	37.92	40.30	43.79	46.40
2026	12	41.43	28.49	32.14	37.16	40.77	44.34	50.66	65.52
2027	1	44.72	32.05	35.54	40.66	44.15	47.77	54.17	69.20
2027	2	41.97	29.17	32.87	38.03	41.59	45.15	51.15	65.37
2027	3	38.96	30.52	33.07	36.51	38.90	41.30	44.94	48.00
2027	4	35.86	27.26	29.98	33.46	35.90	38.22	41.64	44.50
2027	5	35.84	27.50	30.06	33.47	35.82	38.16	41.64	44.56
2027	6	36.43	24.48	28.14	32.93	36.31	39.66	44.90	50.50
2027	7	39.69	27.35	31.01	36.09	39.60	43.10	48.41	54.13
2027	8	39.14	27.07	30.55	35.53	38.98	42.54	47.95	53.23
2027	9	38.66	30.21	32.71	36.24	38.63	41.06	44.63	47.50
2027	10	37.02	28.61	31.09	34.60	37.03	39.42	42.82	45.65
2027	11	38.19	30.14	32.53	35.85	38.14	40.48	43.92	46.61
2027	12	41.66	28.50	32.34	37.60	41.16	44.72	51.01	65.88
2028	1	45.56	31.94	35.94	41.34	44.86	48.55	55.06	70.48
2028	2	42.49	29.33	33.04	38.35	41.96	45.57	52.12	68.03
2028	3	38.79	29.94	32.54	36.19	38.75	41.34	45.09	48.06
2028	4	35.61	26.70	29.48	33.04	35.59	38.15	41.83	44.57
2028	5	35.92	27.16	29.77	33.34	35.88	38.47	42.18	44.98
2028	6	36.55	24.22	27.86	32.82	36.35	39.99	45.51	51.74
2028	7	40.29	27.97	31.46	36.52	40.15	43.80	49.24	55.17
2028	8	39.58	26.93	30.64	35.82	39.46	43.08	48.46	54.30
2028	9	38.84	29.65	32.53	36.27	38.81	41.38	45.20	48.07
2028	10	37.39	28.82	31.26	34.83	37.37	39.89	43.61	46.41
2028	11	38.89	30.20	32.78	36.37	38.87	41.38	44.98	48.11
2028	12	42.78	29.75	33.60	38.65	42.13	45.60	52.02	66.75
2029	1	47.55	34.70	38.17	43.25	46.86	50.53	57.15	72.65
2029	2	43.68	30.55	34.44	39.74	43.31	46.94	52.83	66.73
2029	3	39.66	30.72	33.44	37.08	39.65	42.22	45.88	48.84
2029	4	36.22	27.35	29.98	33.63	36.18	38.74	42.50	45.44
2029	5	36.58	27.76	30.34	33.98	36.55	39.12	42.93	45.81
2029	6	37.20	24.65	28.44	33.56	37.10	40.67	45.99	51.04
2029	7	41.59	29.08	32.73	37.97	41.52	45.08	50.34	55.45
2029	8	40.81	28.21	31.95	37.03	40.63	44.30	49.85	56.57
2029	9	39.74	30.78	33.39	37.06	39.67	42.31	46.21	49.66
2029	10	38.14	29.66	32.08	35.61	38.10	40.60	44.31	47.14
2029	11	39.55	30.72	33.55	37.05	39.53	42.01	45.63	48.45
2029	12	44.09	31.55	35.17	40.20	43.69	47.28	53.36	66.76
2030	1	47.54	34.44	38.30	43.47	47.03	50.72	57.05	69.07
2030	2	44.14	31.45	34.99	40.08	43.72	47.38	53.91	67.86
2030	3	39.72	30.51	33.39	37.13	39.70	42.28	46.04	48.98
2030	4	36.15	27.45	29.99	33.58	36.09	38.65	42.43	45.45
2030	5	36.70	28.11	30.56	34.09	36.62	39.19	43.10	46.13
2030	6	37.54	25.31	28.76	33.87	37.40	40.99	46.38	52.58
2030	7	42.04	29.51	33.03	38.22	41.86	45.59	51.32	57.06
2030	8	40.94	28.18	32.10	37.29	40.83	44.42	49.80	54.68
2030	9	40.23	31.15	33.97	37.65	40.16	42.77	46.53	49.49
2030	10	38.63	29.91	32.47	36.09	38.58	41.10	44.82	47.88
2030	11	39.94	31.68	34.04	37.45	39.90	42.36	45.94	48.74
2030	12	45.20	32.44	36.03	41.11	44.59	48.15	54.54	70.15
2031	1	47.98	34.60	38.55	43.98	47.55	51.12	57.70	71.22

2031	2	44.50	31.06	35.14	40.52	44.19	47.79	53.94	67.86
2031	3	39.92	31.06	33.69	37.30	39.86	42.46	46.33	49.25
2031	4	35.95	27.21	29.77	33.36	35.90	38.49	42.17	45.19
2031	5	36.59	27.82	30.47	34.03	36.54	39.11	42.86	45.69
2031	6	37.55	24.99	28.71	33.79	37.42	41.05	46.60	52.06
2031	7	42.01	29.36	33.13	38.30	41.95	45.60	50.97	55.72
2031	8	41.17	28.71	32.35	37.50	41.02	44.65	50.07	56.17
2031	9	40.32	31.58	34.09	37.71	40.28	42.85	46.66	49.74
2031	10	38.54	30.01	32.51	36.08	38.56	41.00	44.47	47.11
2031	11	40.17	31.83	34.22	37.68	40.12	42.59	46.24	49.15
2031	12	45.38	32.05	35.92	41.20	44.79	48.34	54.71	69.08
2032	1	48.94	35.07	38.74	43.79	47.31	50.91	57.56	77.87
2032	2	44.06	31.62	34.97	39.92	43.45	47.12	53.45	67.44
2032	3	39.80	31.14	33.55	37.20	39.77	42.31	46.08	49.25
2032	4	35.79	27.06	29.67	33.23	35.76	38.31	42.00	44.98
2032	5	36.91	28.38	30.74	34.27	36.82	39.46	43.27	46.20
2032	6	37.61	25.19	28.76	33.82	37.44	41.11	46.80	52.38
2032	7	42.26	29.33	33.27	38.47	42.13	45.78	51.34	58.55
2032	8	41.33	28.88	32.42	37.65	41.26	44.87	50.14	55.63
2032	9	40.28	31.74	34.15	37.75	40.21	42.73	46.55	49.67
2032	10	38.34	29.67	32.29	35.85	38.33	40.79	44.45	47.23
2032	11	40.65	32.19	34.69	38.19	40.64	43.11	46.58	49.18
2032	12	45.94	33.53	36.90	41.93	45.37	48.90	55.01	68.28
2033	1	49.41	36.08	39.82	45.21	48.82	52.55	59.02	73.01
2033	2	45.34	31.55	35.74	41.15	44.92	48.73	55.28	68.49
2033	3	40.16	30.85	33.59	37.34	40.07	42.90	46.98	50.07
2033	4	35.46	26.22	28.97	32.69	35.40	38.18	42.09	44.97
2033	5	36.36	27.18	29.84	33.56	36.29	39.09	43.06	45.93
2033	6	37.40	24.68	28.32	33.58	37.22	40.95	46.68	52.85
2033	7	42.00	28.87	32.74	38.11	41.93	45.70	51.37	57.22
2033	8	41.44	28.71	32.63	37.69	41.28	44.93	50.50	56.25
2033	9	40.19	31.16	33.66	37.38	40.09	42.91	46.94	49.96
2033	10	38.39	29.30	31.91	35.70	38.35	41.05	44.90	47.86
2033	11	40.83	31.82	34.55	38.18	40.76	43.42	47.21	50.25
2033	12	46.34	33.32	37.21	42.42	45.94	49.59	55.74	68.94
2034	1	49.70	35.66	39.91	45.39	49.16	52.96	59.58	73.34
2034	2	45.75	31.96	35.84	41.30	44.99	48.83	55.70	71.57
2034	3	40.13	30.87	33.52	37.32	40.07	42.82	46.91	50.23
2034	4	35.40	26.42	28.98	32.62	35.33	38.10	42.05	45.02
2034	5	36.73	27.54	30.19	33.91	36.65	39.47	43.46	46.59
2034	6	38.17	25.51	29.27	34.40	38.01	41.75	47.35	52.56
2034	7	43.21	30.36	34.07	39.29	43.00	46.82	52.65	58.48
2034	8	42.49	29.71	33.56	38.74	42.37	46.04	51.54	56.99
2034	9	40.81	31.57	34.21	38.00	40.72	43.55	47.60	50.71
2034	10	38.81	29.54	32.22	36.09	38.80	41.51	45.37	48.25
2034	11	41.70	32.56	35.35	39.07	41.63	44.31	48.14	51.22
2034	12	48.14	35.68	39.09	44.04	47.51	51.12	57.42	70.43
2035	1	51.41	38.32	42.07	47.39	50.96	54.57	60.90	75.19
2035	2	46.71	32.98	36.87	42.25	46.01	49.82	56.42	71.65
2035	3	40.69	31.47	34.17	37.92	40.63	43.38	47.29	50.34
2035	4	36.00	26.98	29.46	33.20	35.93	38.72	42.70	45.76
2035	5	36.98	28.00	30.60	34.26	36.87	39.61	43.60	46.73
2035	6	38.41	25.95	29.68	34.72	38.31	41.91	47.17	52.27
2035	7	43.48	30.51	34.42	39.61	43.28	47.14	52.89	58.25
2035	8	43.20	30.33	34.14	39.40	43.08	46.75	52.45	58.15
2035	9	41.47	32.10	34.86	38.66	41.40	44.18	48.21	51.34
2035	10	39.83	30.73	33.30	37.08	39.79	42.53	46.44	49.25
2035	11	42.99	33.94	36.66	40.34	42.94	45.58	49.41	52.38
2035	12	49.56	36.75	40.34	45.50	49.07	52.85	59.40	73.09
2036	1	52.20	39.44	43.03	48.12	51.73	55.45	62.02	76.90
2036	2	47.01	34.29	37.92	43.05	46.61	50.29	56.64	68.56
2036	3	41.05	31.85	34.59	38.33	41.03	43.73	47.55	50.43
2036	4	36.21	27.13	29.81	33.48	36.14	38.91	42.79	45.53

2036	5	37.36	28.47	30.93	34.57	37.25	40.03	44.05	47.09
2036	6	38.97	26.52	30.11	35.17	38.81	42.53	48.16	53.85
2036	7	44.32	31.71	35.21	40.48	44.21	47.88	53.49	59.45
2036	8	43.77	30.92	34.65	40.00	43.60	47.32	53.05	58.60
2036	9	42.32	33.13	35.78	39.54	42.25	45.01	49.03	52.01
2036	10	40.03	31.04	33.73	37.34	40.00	42.65	46.45	49.24
2036	11	43.45	34.64	37.23	40.87	43.39	45.97	49.75	52.67
2036	12	50.73	37.32	41.46	46.62	50.20	53.91	60.32	73.49
2037	1	52.32	39.24	43.01	48.28	51.86	55.44	61.70	75.81
2037	2	47.59	34.41	38.11	43.52	47.27	50.94	57.44	71.47
2037	3	41.22	31.91	34.63	38.43	41.17	43.95	47.87	50.95
2037	4	36.08	26.84	29.51	33.34	36.06	38.78	42.64	45.53
2037	5	37.90	28.92	31.49	35.19	37.85	40.52	44.44	47.54
2037	6	39.45	26.81	30.62	35.77	39.34	42.95	48.52	53.69
2037	7	45.02	32.55	36.28	41.29	44.88	48.51	54.06	59.67
2037	8	44.36	31.90	35.51	40.68	44.26	47.84	53.35	58.35
2037	9	42.60	33.53	36.07	39.82	42.50	45.30	49.34	52.53
2037	10	39.78	30.79	33.41	37.08	39.74	42.42	46.22	49.18
2037	11	43.87	35.01	37.67	41.27	43.83	46.40	50.15	53.31
2037	12	51.31	37.99	41.69	47.07	50.67	54.28	60.70	74.85
2038	1	54.76	40.24	44.35	50.13	54.18	58.31	65.12	80.23
2038	2	49.99	35.42	39.49	45.36	49.63	53.83	60.53	73.73
2038	3	42.10	30.36	33.28	37.97	41.83	46.18	51.47	54.73
2038	4	36.27	24.49	27.33	31.89	35.95	40.55	45.88	49.07
2038	5	37.99	26.19	29.15	33.75	37.62	42.18	47.65	50.65
2038	6	40.35	27.47	31.13	36.35	40.11	44.04	50.05	56.92
2038	7	46.20	33.08	36.86	42.17	45.96	49.96	55.96	62.11
2038	8	45.33	32.34	36.14	41.46	45.15	48.95	54.81	61.37
2038	9	43.61	32.45	35.55	40.08	43.44	47.08	52.04	55.21
2038	10	41.03	30.40	33.21	37.54	40.94	44.43	49.13	52.18
2038	11	45.97	35.72	38.37	42.63	45.88	49.24	53.75	56.90
2038	12	53.23	39.12	43.25	48.91	52.84	56.75	63.36	77.23
2039	1	55.65	41.23	45.16	51.00	54.98	58.98	65.85	80.51
2039	2	50.21	35.42	39.56	45.48	49.73	53.97	60.81	75.03
2039	3	42.25	30.43	33.41	38.15	42.02	46.32	51.52	54.83
2039	4	35.99	24.29	27.16	31.67	35.65	40.23	45.53	48.88
2039	5	38.33	26.85	29.67	34.12	37.94	42.42	47.94	51.15
2039	6	40.43	27.41	31.09	36.50	40.30	44.17	49.81	55.02
2039	7	46.13	33.00	36.61	42.04	45.96	49.95	55.98	61.77
2039	8	46.14	33.08	36.82	42.17	45.99	49.85	55.62	61.54
2039	9	44.27	33.50	36.44	40.75	44.06	47.71	52.61	55.87
2039	10	41.67	30.84	33.90	38.28	41.62	45.05	49.56	52.59
2039	11	46.23	35.83	38.57	42.90	46.16	49.51	53.98	57.04
2039	12	53.86	39.84	43.85	49.52	53.39	57.24	63.83	77.54
2040	1	55.80	41.56	45.58	51.13	55.05	59.05	65.88	79.03
2040	2	50.05	35.16	39.45	45.45	49.74	53.95	60.80	74.44
2040	3	42.93	31.54	34.34	38.89	42.70	46.88	52.01	55.32
2040	4	35.95	24.07	27.06	31.67	35.63	40.17	45.47	48.74
2040	5	38.29	26.88	29.64	34.07	37.87	42.41	47.89	51.18
2040	6	40.59	27.33	31.33	36.60	40.43	44.36	50.25	55.80
2040	7	46.47	33.36	37.19	42.47	46.30	50.24	56.11	62.15
2040	8	46.25	33.47	37.10	42.32	46.04	49.91	55.73	61.67
2040	9	45.07	34.24	37.20	41.60	44.88	48.49	53.38	56.49
2040	10	42.27	31.63	34.52	38.87	42.22	45.64	50.16	53.17
2040	11	47.32	37.06	39.81	44.05	47.22	50.57	55.05	58.17
2040	12	55.28	41.16	45.13	50.61	54.52	58.46	65.00	79.23

Stochastic Input Distribution - Chicago Citygates Natural Gas Price

Note that 500 individual paths were developed. This summarizes the distribution on a monthly basis.

nominal $/mmBtu

		Average	1st %	5th %	25th %	50th %	75th %	95th %	99th %
2021	1	2.68	2.09	2.24	2.45	2.61	2.79	3.25	4.80
2021	2	2.44	1.71	1.91	2.19	2.37	2.57	3.03	4.69
2021	3	2.58	1.95	2.13	2.37	2.55	2.73	3.08	3.84
2021	4	2.82	2.25	2.42	2.66	2.82	2.98	3.23	3.40
2021	5	2.75	2.18	2.35	2.59	2.75	2.91	3.15	3.32
2021	6	2.75	2.16	2.33	2.58	2.76	2.92	3.14	3.31
2021	7	2.79	2.19	2.37	2.62	2.80	2.97	3.19	3.36
2021	8	2.82	2.27	2.43	2.66	2.82	2.99	3.22	3.38
2021	9	2.78	2.23	2.39	2.62	2.78	2.94	3.20	3.38
2021	10	2.78	2.21	2.38	2.62	2.78	2.95	3.19	3.37
2021	11	2.91	2.31	2.50	2.75	2.92	3.08	3.30	3.45
2021	12	3.25	2.54	2.73	2.99	3.17	3.38	3.84	5.44
2022	1	3.68	2.91	3.11	3.39	3.58	3.79	4.28	6.01
2022	2	3.64	2.85	3.08	3.36	3.56	3.77	4.32	6.22
2022	3	3.38	2.73	2.89	3.16	3.34	3.54	3.93	4.83
2022	4	2.83	2.24	2.40	2.64	2.82	3.01	3.27	3.48
2022	5	2.67	2.05	2.25	2.49	2.67	2.84	3.09	3.28
2022	6	2.49	1.88	2.07	2.33	2.50	2.66	2.90	3.06
2022	7	2.49	1.91	2.08	2.32	2.49	2.65	2.89	3.06
2022	8	2.51	1.91	2.10	2.34	2.51	2.67	2.91	3.08
2022	9	2.67	2.07	2.24	2.52	2.68	2.84	3.08	3.24
2022	10	2.72	2.14	2.30	2.54	2.72	2.89	3.15	3.33
2022	11	2.83	2.24	2.42	2.66	2.83	3.00	3.25	3.43
2022	12	3.19	2.51	2.68	2.93	3.12	3.32	3.77	5.39
2023	1	3.82	3.03	3.26	3.54	3.75	3.97	4.51	6.23
2023	2	3.83	3.12	3.29	3.56	3.76	3.97	4.50	6.23
2023	3	3.57	2.93	3.11	3.36	3.54	3.72	4.06	4.89
2023	4	3.07	2.47	2.65	2.89	3.07	3.24	3.49	3.68
2023	5	2.88	2.29	2.47	2.71	2.88	3.05	3.30	3.49
2023	6	2.74	2.15	2.32	2.57	2.74	2.92	3.17	3.34
2023	7	2.74	2.16	2.32	2.56	2.74	2.92	3.16	3.33
2023	8	2.76	2.13	2.33	2.59	2.76	2.93	3.19	3.37
2023	9	2.99	2.36	2.54	2.81	2.99	3.17	3.42	3.59
2023	10	3.12	2.51	2.69	2.94	3.12	3.29	3.54	3.72
2023	11	3.27	2.67	2.86	3.10	3.27	3.44	3.69	3.88
2023	12	3.59	2.85	3.05	3.32	3.51	3.71	4.22	6.02
2024	1	4.05	3.24	3.47	3.77	3.96	4.17	4.72	6.66
2024	2	4.03	3.23	3.44	3.73	3.93	4.15	4.75	6.61
2024	3	3.81	3.12	3.32	3.59	3.76	3.95	4.35	5.35
2024	4	3.33	2.70	2.89	3.14	3.32	3.51	3.77	4.03
2024	5	3.12	2.48	2.67	2.94	3.12	3.30	3.58	3.78
2024	6	3.00	2.41	2.57	2.82	3.00	3.17	3.43	3.64
2024	7	2.99	2.40	2.57	2.81	2.98	3.17	3.44	3.65
2024	8	3.01	2.37	2.57	2.83	3.02	3.20	3.43	3.59
2024	9	3.34	2.71	2.90	3.16	3.34	3.51	3.75	3.93
2024	10	3.51	2.91	3.07	3.32	3.51	3.69	3.94	4.10
2024	11	3.70	3.08	3.26	3.52	3.70	3.88	4.14	4.35
2024	12	3.94	3.21	3.39	3.66	3.87	4.09	4.64	6.29
2025	1	4.22	3.38	3.62	3.93	4.15	4.37	4.94	6.82
2025	2	4.16	3.40	3.59	3.88	4.08	4.30	4.81	6.67
2025	3	3.92	3.25	3.43	3.68	3.88	4.10	4.47	5.45
2025	4	3.50	2.82	3.04	3.32	3.50	3.69	3.98	4.20
2025	5	3.29	2.66	2.85	3.11	3.30	3.48	3.73	3.93
2025	6	3.14	2.54	2.71	2.97	3.15	3.32	3.56	3.74
2025	7	3.13	2.53	2.70	2.95	3.13	3.31	3.56	3.73
2025	8	3.15	2.52	2.71	2.97	3.15	3.33	3.59	3.78
2025	9	3.50	2.84	3.04	3.32	3.50	3.69	3.96	4.16
2025	10	3.65	3.04	3.21	3.47	3.65	3.83	4.09	4.26

2025	11	3.88	3.26	3.43	3.70	3.89	4.06	4.32	4.51
2025	12	4.14	3.36	3.55	3.84	4.05	4.28	4.85	6.76
2026	1	4.51	3.72	3.91	4.22	4.43	4.65	5.19	7.08
2026	2	4.45	3.68	3.86	4.17	4.38	4.59	5.12	6.92
2026	3	4.20	3.50	3.70	3.99	4.18	4.38	4.77	5.45
2026	4	3.74	3.11	3.29	3.55	3.74	3.93	4.21	4.39
2026	5	3.51	2.87	3.06	3.33	3.50	3.68	3.96	4.16
2026	6	3.33	2.69	2.88	3.15	3.33	3.52	3.78	3.95
2026	7	3.32	2.67	2.87	3.14	3.32	3.51	3.78	3.97
2026	8	3.33	2.66	2.86	3.14	3.33	3.53	3.80	4.01
2026	9	3.62	2.96	3.18	3.44	3.62	3.81	4.07	4.28
2026	10	3.75	3.10	3.29	3.56	3.75	3.93	4.23	4.44
2026	11	3.91	3.27	3.46	3.72	3.91	4.09	4.35	4.56
2026	12	4.19	3.36	3.57	3.87	4.08	4.31	4.90	6.80
2027	1	4.60	3.75	3.99	4.29	4.51	4.74	5.34	7.39
2027	2	4.55	3.69	3.93	4.26	4.47	4.70	5.23	7.12
2027	3	4.37	3.65	3.87	4.15	4.35	4.56	4.91	5.62
2027	4	3.95	3.27	3.48	3.75	3.94	4.14	4.41	4.63
2027	5	3.70	3.05	3.25	3.51	3.69	3.88	4.16	4.38
2027	6	3.53	2.86	3.07	3.35	3.53	3.71	3.98	4.19
2027	7	3.51	2.86	3.05	3.32	3.51	3.70	3.99	4.18
2027	8	3.54	2.93	3.11	3.36	3.53	3.72	4.00	4.20
2027	9	3.79	3.14	3.34	3.60	3.78	3.97	4.27	4.50
2027	10	3.93	3.28	3.45	3.74	3.93	4.12	4.40	4.61
2027	11	4.11	3.44	3.63	3.92	4.11	4.30	4.56	4.73
2027	12	4.37	3.52	3.75	4.06	4.28	4.52	5.12	7.11
2028	1	4.77	3.91	4.14	4.44	4.66	4.88	5.51	7.59
2028	2	4.69	3.85	4.07	4.37	4.59	4.81	5.48	7.58
2028	3	4.51	3.79	3.99	4.28	4.48	4.69	5.13	5.91
2028	4	4.10	3.46	3.63	3.91	4.10	4.29	4.58	4.77
2028	5	3.88	3.20	3.40	3.69	3.88	4.07	4.35	4.55
2028	6	3.70	3.04	3.23	3.51	3.71	3.90	4.18	4.38
2028	7	3.68	3.02	3.21	3.47	3.67	3.87	4.17	4.37
2028	8	3.68	3.02	3.21	3.48	3.68	3.87	4.15	4.35
2028	9	3.95	3.32	3.50	3.76	3.95	4.14	4.41	4.61
2028	10	4.08	3.42	3.62	3.89	4.07	4.27	4.55	4.78
2028	11	4.28	3.64	3.82	4.09	4.28	4.47	4.75	4.94
2028	12	4.50	3.69	3.89	4.18	4.39	4.62	5.25	7.21
2029	1	4.93	4.04	4.28	4.60	4.82	5.05	5.72	7.87
2029	2	4.85	4.05	4.24	4.55	4.77	5.00	5.57	7.48
2029	3	4.62	3.90	4.12	4.40	4.61	4.82	5.17	5.61
2029	4	4.22	3.53	3.74	4.02	4.22	4.42	4.70	4.91
2029	5	3.98	3.32	3.50	3.78	3.98	4.18	4.47	4.66
2029	6	3.87	3.18	3.38	3.66	3.86	4.06	4.36	4.56
2029	7	3.83	3.14	3.35	3.63	3.83	4.02	4.33	4.53
2029	8	3.87	3.19	3.40	3.68	3.87	4.06	4.35	4.54
2029	9	4.13	3.46	3.65	3.93	4.13	4.32	4.60	4.83
2029	10	4.24	3.60	3.77	4.04	4.24	4.44	4.72	4.92
2029	11	4.39	3.72	3.92	4.19	4.40	4.59	4.87	5.06
2029	12	4.64	3.86	4.06	4.36	4.56	4.79	5.33	7.31
2030	1	5.03	4.18	4.40	4.71	4.94	5.19	5.78	7.67
2030	2	4.98	4.14	4.36	4.68	4.90	5.15	5.81	7.87
2030	3	4.78	3.99	4.21	4.53	4.75	4.98	5.35	6.34
2030	4	4.35	3.58	3.83	4.14	4.34	4.55	4.86	5.12
2030	5	4.10	3.41	3.62	3.90	4.10	4.30	4.58	4.81
2030	6	3.95	3.26	3.47	3.75	3.95	4.16	4.44	4.65
2030	7	3.94	3.26	3.46	3.74	3.94	4.14	4.44	4.67
2030	8	3.95	3.25	3.46	3.74	3.95	4.15	4.44	4.61
2030	9	4.27	3.59	3.78	4.06	4.26	4.47	4.76	4.97
2030	10	4.42	3.70	3.94	4.22	4.42	4.61	4.91	5.13
2030	11	4.59	3.93	4.13	4.40	4.60	4.78	5.05	5.27
2030	12	4.87	4.01	4.24	4.54	4.76	5.01	5.65	7.77
2031	1	5.25	4.34	4.58	4.91	5.15	5.42	6.12	8.04

2031	2	5.20	4.22	4.52	4.87	5.12	5.38	5.99	8.07
2031	3	4.95	4.16	4.40	4.71	4.94	5.16	5.51	6.18
2031	4	4.50	3.81	4.02	4.31	4.50	4.70	4.99	5.22
2031	5	4.24	3.47	3.74	4.04	4.24	4.44	4.73	4.95
2031	6	4.11	3.39	3.60	3.90	4.10	4.31	4.62	4.85
2031	7	4.09	3.39	3.59	3.89	4.10	4.30	4.57	4.80
2031	8	4.11	3.42	3.63	3.91	4.11	4.31	4.60	4.81
2031	9	4.42	3.73	3.94	4.22	4.42	4.63	4.92	5.13
2031	10	4.55	3.83	4.04	4.34	4.54	4.75	5.08	5.29
2031	11	4.71	3.99	4.20	4.51	4.71	4.92	5.22	5.47
2031	12	5.02	4.14	4.35	4.67	4.90	5.16	5.77	7.90
2032	1	5.46	4.47	4.68	4.99	5.21	5.45	6.12	8.87
2032	2	5.19	4.25	4.54	4.86	5.09	5.34	5.95	8.12
2032	3	5.07	4.15	4.42	4.75	4.98	5.21	5.59	6.81
2032	4	4.58	3.83	4.05	4.35	4.57	4.78	5.10	5.34
2032	5	4.41	3.67	3.89	4.20	4.40	4.61	4.93	5.19
2032	6	4.27	3.54	3.76	4.06	4.26	4.49	4.81	5.04
2032	7	4.26	3.51	3.73	4.04	4.27	4.48	4.76	4.97
2032	8	4.27	3.51	3.75	4.06	4.27	4.47	4.77	4.98
2032	9	4.58	3.87	4.06	4.38	4.58	4.78	5.08	5.30
2032	10	4.74	3.98	4.21	4.52	4.74	4.96	5.26	5.48
2032	11	4.91	4.19	4.39	4.70	4.91	5.12	5.44	5.69
2032	12	5.21	4.34	4.57	4.88	5.12	5.36	5.95	7.99
2033	1	5.59	4.67	4.92	5.25	5.49	5.75	6.40	8.55
2033	2	5.53	4.57	4.86	5.20	5.44	5.69	6.30	8.43
2033	3	5.29	4.49	4.72	5.05	5.27	5.49	5.90	6.83
2033	4	4.79	4.03	4.26	4.57	4.78	5.01	5.33	5.56
2033	5	4.48	3.76	3.97	4.26	4.48	4.70	5.01	5.23
2033	6	4.34	3.61	3.83	4.13	4.34	4.55	4.86	5.09
2033	7	4.34	3.60	3.81	4.12	4.35	4.56	4.88	5.11
2033	8	4.36	3.60	3.83	4.15	4.36	4.57	4.87	5.09
2033	9	4.61	3.89	4.11	4.41	4.62	4.82	5.11	5.33
2033	10	4.77	4.04	4.25	4.55	4.77	4.99	5.30	5.54
2033	11	4.99	4.23	4.46	4.77	4.99	5.21	5.53	5.73
2033	12	5.28	4.38	4.63	4.96	5.20	5.44	6.04	8.20
2034	1	5.65	4.62	4.92	5.31	5.55	5.81	6.49	8.69
2034	2	5.64	4.60	4.88	5.27	5.52	5.78	6.49	8.84
2034	3	5.37	4.51	4.76	5.10	5.34	5.57	6.02	7.14
2034	4	4.90	4.12	4.35	4.69	4.90	5.11	5.44	5.74
2034	5	4.65	3.95	4.14	4.42	4.64	4.86	5.19	5.42
2034	6	4.52	3.76	3.99	4.29	4.51	4.74	5.06	5.28
2034	7	4.52	3.76	3.98	4.30	4.52	4.73	5.03	5.27
2034	8	4.55	3.75	4.00	4.33	4.55	4.77	5.07	5.28
2034	9	4.82	4.04	4.28	4.60	4.82	5.04	5.38	5.62
2034	10	5.01	4.27	4.50	4.80	5.01	5.22	5.53	5.75
2034	11	5.21	4.50	4.72	5.02	5.21	5.42	5.70	5.93
2034	12	5.53	4.61	4.85	5.18	5.41	5.67	6.34	8.42
2035	1	5.81	4.88	5.10	5.45	5.71	5.99	6.63	8.97
2035	2	5.76	4.83	5.05	5.38	5.62	5.90	6.58	8.94
2035	3	5.49	4.67	4.87	5.21	5.43	5.68	6.14	7.22
2035	4	5.00	4.20	4.44	4.78	5.01	5.23	5.55	5.78
2035	5	4.74	3.92	4.17	4.51	4.75	4.96	5.26	5.51
2035	6	4.61	3.80	4.04	4.38	4.61	4.84	5.16	5.39
2035	7	4.60	3.82	4.05	4.38	4.60	4.83	5.16	5.39
2035	8	4.63	3.86	4.10	4.41	4.63	4.84	5.15	5.36
2035	9	4.94	4.16	4.41	4.73	4.94	5.16	5.47	5.67
2035	10	5.16	4.39	4.61	4.95	5.17	5.38	5.70	5.90
2035	11	5.38	4.60	4.83	5.15	5.38	5.60	5.93	6.13
2035	12	5.69	4.75	5.00	5.34	5.59	5.88	6.56	8.80
2036	1	5.98	5.03	5.27	5.61	5.87	6.17	6.89	9.31
2036	2	5.81	4.89	5.15	5.48	5.73	6.00	6.63	8.76
2036	3	5.61	4.76	5.00	5.35	5.59	5.83	6.23	7.16
2036	4	5.14	4.32	4.58	4.92	5.14	5.37	5.69	5.91

2036	5	4.86	4.06	4.29	4.63	4.86	5.10	5.44	5.68
2036	6	4.72	3.92	4.14	4.49	4.73	4.95	5.28	5.54
2036	7	4.73	3.89	4.15	4.49	4.73	4.96	5.30	5.55
2036	8	4.76	3.99	4.20	4.54	4.77	4.99	5.31	5.51
2036	9	5.05	4.21	4.47	4.83	5.06	5.28	5.61	5.87
2036	10	5.22	4.44	4.67	4.99	5.22	5.45	5.78	6.09
2036	11	5.46	4.67	4.88	5.24	5.46	5.68	6.02	6.28
2036	12	5.78	4.83	5.08	5.42	5.67	5.95	6.66	8.89
2037	1	6.10	5.08	5.35	5.74	5.99	6.27	6.94	9.41
2037	2	6.03	5.06	5.32	5.68	5.93	6.21	6.97	9.32
2037	3	5.81	4.87	5.15	5.51	5.76	6.03	6.57	7.57
2037	4	5.29	4.45	4.70	5.04	5.29	5.53	5.88	6.15
2037	5	5.02	4.19	4.45	4.80	5.02	5.24	5.57	5.80
2037	6	4.86	4.08	4.29	4.63	4.85	5.08	5.41	5.67
2037	7	4.85	4.07	4.30	4.62	4.84	5.08	5.42	5.65
2037	8	4.86	4.11	4.30	4.63	4.85	5.09	5.43	5.67
2037	9	5.15	4.36	4.58	4.92	5.16	5.39	5.71	5.98
2037	10	5.34	4.48	4.74	5.10	5.35	5.60	5.92	6.16
2037	11	5.57	4.68	5.00	5.36	5.58	5.79	6.12	6.37
2037	12	5.95	4.89	5.18	5.56	5.81	6.09	6.77	9.21
2038	1	6.26	5.16	5.46	5.86	6.14	6.43	7.24	9.76
2038	2	6.17	5.16	5.43	5.80	6.06	6.35	7.03	9.37
2038	3	5.92	5.06	5.28	5.63	5.87	6.15	6.66	7.48
2038	4	5.37	4.54	4.78	5.14	5.38	5.61	5.96	6.30
2038	5	5.09	4.27	4.52	4.85	5.09	5.33	5.69	5.97
2038	6	4.95	4.08	4.34	4.72	4.95	5.20	5.53	5.82
2038	7	4.97	4.17	4.42	4.73	4.97	5.20	5.54	5.79
2038	8	4.99	4.15	4.42	4.75	4.99	5.23	5.59	5.83
2038	9	5.29	4.47	4.71	5.05	5.29	5.53	5.89	6.13
2038	10	5.49	4.66	4.91	5.27	5.50	5.72	6.06	6.31
2038	11	5.74	4.95	5.17	5.50	5.74	5.98	6.33	6.54
2038	12	6.05	5.01	5.28	5.67	5.95	6.25	6.99	9.51
2039	1	6.40	5.30	5.61	5.99	6.25	6.54	7.33	9.91
2039	2	6.28	5.27	5.51	5.89	6.16	6.45	7.18	9.81
2039	3	6.00	5.04	5.31	5.65	5.93	6.22	6.71	7.86
2039	4	5.44	4.58	4.86	5.20	5.42	5.67	6.04	6.35
2039	5	5.20	4.40	4.64	4.95	5.19	5.43	5.80	6.06
2039	6	5.09	4.25	4.49	4.85	5.09	5.33	5.68	5.97
2039	7	5.11	4.25	4.55	4.88	5.10	5.34	5.68	5.98
2039	8	5.13	4.26	4.56	4.90	5.13	5.37	5.72	5.95
2039	9	5.43	4.60	4.85	5.20	5.43	5.67	6.00	6.24
2039	10	5.60	4.76	5.01	5.37	5.59	5.83	6.18	6.43
2039	11	5.80	4.98	5.22	5.56	5.79	6.03	6.39	6.66
2039	12	6.18	5.07	5.39	5.80	6.07	6.36	7.07	9.49
2040	1	6.56	5.43	5.74	6.14	6.41	6.72	7.48	9.93
2040	2	6.32	5.25	5.53	5.94	6.22	6.53	7.27	9.87
2040	3	6.10	5.21	5.46	5.82	6.06	6.33	6.77	7.93
2040	4	5.55	4.72	4.97	5.30	5.54	5.79	6.15	6.44
2040	5	5.35	4.44	4.72	5.10	5.35	5.60	5.96	6.22
2040	6	5.26	4.34	4.64	5.00	5.26	5.53	5.90	6.13
2040	7	5.27	4.39	4.66	5.02	5.27	5.52	5.89	6.14
2040	8	5.30	4.37	4.68	5.06	5.31	5.56	5.89	6.13
2040	9	5.61	4.71	5.00	5.36	5.60	5.85	6.23	6.50
2040	10	5.76	4.88	5.17	5.51	5.75	6.01	6.38	6.63
2040	11	5.98	5.14	5.38	5.75	5.98	6.22	6.57	6.89
2040	12	6.41	5.31	5.57	5.96	6.25	6.55	7.31	9.88

2020 $/mmBtu

		Average	1st %	5th %	25th %	50th %	75th %	95th %	99th %
2021	1	2.64	2.06	2.21	2.42	2.57	2.75	3.20	4.73
2021	2	2.40	1.69	1.89	2.15	2.34	2.53	2.99	4.62
2021	3	2.54	1.92	2.10	2.34	2.51	2.69	3.03	3.78
2021	4	2.78	2.21	2.39	2.62	2.78	2.94	3.18	3.35
2021	5	2.71	2.15	2.32	2.55	2.71	2.87	3.10	3.27
2021	6	2.71	2.12	2.30	2.54	2.72	2.88	3.09	3.26
2021	7	2.75	2.16	2.33	2.58	2.76	2.92	3.14	3.31
2021	8	2.78	2.24	2.39	2.62	2.78	2.95	3.17	3.33
2021	9	2.74	2.20	2.35	2.58	2.74	2.90	3.15	3.33
2021	10	2.74	2.18	2.35	2.58	2.74	2.91	3.14	3.32
2021	11	2.87	2.28	2.46	2.71	2.88	3.03	3.25	3.40
2021	12	3.20	2.50	2.69	2.95	3.12	3.33	3.78	5.36
2022	1	3.56	2.82	3.01	3.28	3.47	3.67	4.15	5.82
2022	2	3.53	2.76	2.99	3.26	3.45	3.66	4.18	6.03
2022	3	3.27	2.64	2.80	3.06	3.24	3.43	3.81	4.68
2022	4	2.74	2.17	2.33	2.56	2.73	2.92	3.17	3.38
2022	5	2.59	1.98	2.18	2.41	2.59	2.75	2.99	3.18
2022	6	2.41	1.82	2.00	2.26	2.42	2.58	2.81	2.96
2022	7	2.41	1.85	2.01	2.25	2.41	2.57	2.80	2.96
2022	8	2.43	1.85	2.04	2.27	2.43	2.59	2.82	2.98
2022	9	2.59	2.00	2.17	2.44	2.60	2.75	2.98	3.14
2022	10	2.63	2.07	2.23	2.46	2.63	2.80	3.05	3.23
2022	11	2.74	2.17	2.35	2.57	2.74	2.91	3.15	3.32
2022	12	3.09	2.43	2.60	2.84	3.02	3.22	3.65	5.22
2023	1	3.64	2.89	3.10	3.37	3.57	3.78	4.30	5.93
2023	2	3.64	2.97	3.13	3.39	3.58	3.78	4.28	5.93
2023	3	3.40	2.79	2.96	3.20	3.37	3.54	3.86	4.66
2023	4	2.92	2.35	2.52	2.75	2.92	3.08	3.32	3.50
2023	5	2.74	2.18	2.35	2.58	2.74	2.90	3.14	3.32
2023	6	2.61	2.05	2.21	2.44	2.61	2.78	3.01	3.18
2023	7	2.61	2.05	2.21	2.44	2.60	2.78	3.01	3.17
2023	8	2.63	2.03	2.22	2.47	2.63	2.79	3.04	3.21
2023	9	2.84	2.24	2.42	2.67	2.84	3.02	3.25	3.41
2023	10	2.97	2.39	2.56	2.80	2.97	3.13	3.37	3.54
2023	11	3.11	2.54	2.72	2.95	3.11	3.28	3.52	3.69
2023	12	3.41	2.71	2.91	3.16	3.34	3.53	4.02	5.73
2024	1	3.78	3.02	3.23	3.52	3.70	3.89	4.41	6.22
2024	2	3.76	3.01	3.21	3.48	3.66	3.87	4.43	6.16
2024	3	3.56	2.91	3.10	3.35	3.51	3.68	4.06	4.99
2024	4	3.10	2.52	2.69	2.93	3.10	3.27	3.52	3.76
2024	5	2.91	2.32	2.50	2.75	2.91	3.08	3.34	3.52
2024	6	2.80	2.24	2.40	2.63	2.79	2.96	3.20	3.40
2024	7	2.79	2.24	2.40	2.62	2.78	2.96	3.21	3.40
2024	8	2.81	2.21	2.39	2.64	2.81	2.98	3.20	3.35
2024	9	3.11	2.53	2.71	2.95	3.12	3.28	3.50	3.67
2024	10	3.27	2.72	2.86	3.10	3.27	3.44	3.68	3.83
2024	11	3.46	2.87	3.05	3.28	3.45	3.62	3.87	4.06
2024	12	3.68	3.00	3.17	3.41	3.61	3.82	4.33	5.87
2025	1	3.86	3.09	3.30	3.59	3.79	4.00	4.51	6.23
2025	2	3.80	3.11	3.28	3.55	3.73	3.93	4.40	6.09
2025	3	3.58	2.97	3.13	3.36	3.55	3.74	4.09	4.98
2025	4	3.20	2.58	2.78	3.03	3.20	3.37	3.63	3.83
2025	5	3.01	2.43	2.60	2.84	3.01	3.18	3.40	3.60
2025	6	2.87	2.32	2.47	2.71	2.87	3.03	3.25	3.41
2025	7	2.86	2.31	2.47	2.69	2.86	3.03	3.26	3.41
2025	8	2.88	2.30	2.48	2.72	2.88	3.04	3.28	3.45
2025	9	3.20	2.60	2.78	3.03	3.20	3.37	3.62	3.81
2025	10	3.33	2.78	2.93	3.17	3.33	3.50	3.73	3.89

2025	11	3.55	2.98	3.14	3.38	3.55	3.71	3.95	4.12
2025	12	3.78	3.07	3.24	3.51	3.70	3.92	4.43	6.18
2026	1	4.04	3.33	3.50	3.78	3.96	4.17	4.65	6.34
2026	2	3.99	3.30	3.45	3.73	3.92	4.11	4.58	6.19
2026	3	3.76	3.14	3.31	3.57	3.74	3.92	4.27	4.87
2026	4	3.35	2.79	2.94	3.18	3.35	3.52	3.77	3.93
2026	5	3.14	2.57	2.74	2.98	3.13	3.30	3.54	3.72
2026	6	2.98	2.40	2.58	2.82	2.98	3.15	3.38	3.54
2026	7	2.98	2.39	2.57	2.81	2.97	3.14	3.38	3.56
2026	8	2.98	2.38	2.56	2.81	2.98	3.16	3.40	3.59
2026	9	3.24	2.65	2.84	3.08	3.24	3.41	3.64	3.83
2026	10	3.36	2.77	2.94	3.19	3.36	3.52	3.79	3.98
2026	11	3.50	2.93	3.10	3.33	3.50	3.66	3.90	4.08
2026	12	3.75	3.01	3.19	3.47	3.65	3.86	4.39	6.09
2027	1	4.03	3.29	3.50	3.76	3.96	4.15	4.68	6.48
2027	2	3.99	3.24	3.44	3.73	3.92	4.12	4.58	6.24
2027	3	3.83	3.20	3.40	3.64	3.81	4.00	4.30	4.93
2027	4	3.46	2.87	3.05	3.29	3.46	3.63	3.87	4.05
2027	5	3.24	2.67	2.85	3.07	3.24	3.40	3.65	3.84
2027	6	3.09	2.51	2.69	2.93	3.09	3.26	3.49	3.67
2027	7	3.08	2.51	2.67	2.91	3.08	3.25	3.50	3.66
2027	8	3.10	2.57	2.72	2.94	3.10	3.26	3.51	3.68
2027	9	3.32	2.76	2.93	3.16	3.32	3.48	3.74	3.94
2027	10	3.44	2.87	3.02	3.28	3.45	3.61	3.86	4.04
2027	11	3.60	3.02	3.18	3.44	3.61	3.77	4.00	4.15
2027	12	3.83	3.09	3.29	3.56	3.75	3.96	4.49	6.23
2028	1	4.09	3.36	3.56	3.81	4.00	4.19	4.73	6.52
2028	2	4.02	3.31	3.50	3.75	3.94	4.13	4.70	6.51
2028	3	3.88	3.26	3.43	3.68	3.85	4.03	4.41	5.08
2028	4	3.52	2.97	3.12	3.36	3.52	3.69	3.93	4.09
2028	5	3.33	2.75	2.92	3.16	3.33	3.49	3.73	3.91
2028	6	3.18	2.61	2.77	3.02	3.18	3.34	3.59	3.76
2028	7	3.16	2.59	2.75	2.98	3.15	3.33	3.58	3.75
2028	8	3.16	2.60	2.76	2.99	3.16	3.32	3.56	3.74
2028	9	3.39	2.85	3.00	3.23	3.39	3.55	3.78	3.96
2028	10	3.50	2.94	3.11	3.34	3.50	3.67	3.91	4.10
2028	11	3.68	3.12	3.28	3.51	3.68	3.84	4.08	4.24
2028	12	3.86	3.17	3.34	3.59	3.77	3.96	4.50	6.19
2029	1	4.15	3.40	3.60	3.87	4.05	4.25	4.81	6.61
2029	2	4.08	3.40	3.57	3.82	4.01	4.21	4.69	6.29
2029	3	3.89	3.28	3.46	3.70	3.87	4.05	4.35	4.72
2029	4	3.55	2.96	3.15	3.38	3.55	3.72	3.95	4.13
2029	5	3.35	2.79	2.95	3.18	3.35	3.52	3.76	3.92
2029	6	3.25	2.67	2.85	3.08	3.25	3.42	3.67	3.83
2029	7	3.22	2.64	2.82	3.05	3.22	3.38	3.64	3.81
2029	8	3.25	2.68	2.86	3.09	3.25	3.42	3.66	3.82
2029	9	3.47	2.91	3.07	3.31	3.47	3.64	3.87	4.07
2029	10	3.57	3.03	3.17	3.40	3.57	3.73	3.97	4.14
2029	11	3.69	3.13	3.30	3.53	3.70	3.86	4.09	4.26
2029	12	3.90	3.24	3.42	3.66	3.83	4.03	4.48	6.15
2030	1	4.14	3.44	3.62	3.88	4.06	4.27	4.76	6.32
2030	2	4.10	3.41	3.59	3.85	4.03	4.24	4.79	6.48
2030	3	3.93	3.29	3.46	3.73	3.91	4.10	4.40	5.22
2030	4	3.58	2.95	3.16	3.41	3.58	3.74	4.01	4.21
2030	5	3.38	2.81	2.98	3.21	3.37	3.54	3.78	3.96
2030	6	3.26	2.68	2.86	3.09	3.25	3.42	3.66	3.83
2030	7	3.25	2.69	2.85	3.08	3.24	3.41	3.66	3.85
2030	8	3.25	2.68	2.85	3.08	3.25	3.42	3.66	3.80
2030	9	3.52	2.95	3.11	3.35	3.51	3.68	3.92	4.09
2030	10	3.64	3.05	3.24	3.48	3.64	3.80	4.04	4.23
2030	11	3.78	3.24	3.40	3.62	3.79	3.94	4.16	4.34
2030	12	4.01	3.30	3.49	3.74	3.92	4.13	4.65	6.40
2031	1	4.23	3.50	3.69	3.96	4.15	4.37	4.93	6.49

2031	2	4.19	3.40	3.64	3.93	4.13	4.34	4.83	6.51
2031	3	3.99	3.35	3.55	3.80	3.98	4.17	4.44	4.99
2031	4	3.63	3.07	3.24	3.47	3.63	3.79	4.03	4.21
2031	5	3.42	2.80	3.02	3.26	3.42	3.58	3.81	3.99
2031	6	3.31	2.74	2.91	3.14	3.31	3.48	3.73	3.91
2031	7	3.30	2.73	2.90	3.14	3.31	3.47	3.69	3.87
2031	8	3.32	2.76	2.93	3.16	3.31	3.48	3.71	3.88
2031	9	3.57	3.01	3.18	3.40	3.57	3.73	3.97	4.14
2031	10	3.67	3.09	3.26	3.50	3.66	3.83	4.10	4.26
2031	11	3.80	3.22	3.39	3.63	3.80	3.97	4.21	4.42
2031	12	4.05	3.34	3.51	3.77	3.96	4.16	4.66	6.37
2032	1	4.31	3.53	3.70	3.94	4.12	4.31	4.84	7.01
2032	2	4.10	3.36	3.59	3.84	4.02	4.22	4.70	6.42
2032	3	4.00	3.28	3.49	3.75	3.93	4.11	4.42	5.38
2032	4	3.62	3.03	3.20	3.44	3.61	3.77	4.03	4.22
2032	5	3.48	2.90	3.07	3.31	3.48	3.64	3.90	4.10
2032	6	3.38	2.80	2.97	3.21	3.37	3.55	3.80	3.99
2032	7	3.36	2.78	2.95	3.19	3.37	3.54	3.76	3.93
2032	8	3.37	2.78	2.96	3.21	3.37	3.53	3.77	3.94
2032	9	3.62	3.06	3.21	3.46	3.62	3.77	4.01	4.18
2032	10	3.75	3.15	3.33	3.57	3.75	3.92	4.16	4.33
2032	11	3.88	3.31	3.47	3.71	3.88	4.04	4.30	4.49
2032	12	4.12	3.43	3.61	3.86	4.04	4.23	4.70	6.31
2033	1	4.33	3.61	3.81	4.06	4.25	4.45	4.96	6.61
2033	2	4.28	3.53	3.76	4.03	4.21	4.40	4.88	6.53
2033	3	4.10	3.48	3.65	3.90	4.08	4.25	4.57	5.28
2033	4	3.71	3.12	3.30	3.54	3.70	3.88	4.12	4.30
2033	5	3.47	2.91	3.07	3.30	3.46	3.64	3.87	4.05
2033	6	3.36	2.79	2.96	3.20	3.36	3.52	3.76	3.94
2033	7	3.36	2.79	2.95	3.19	3.36	3.53	3.78	3.95
2033	8	3.37	2.79	2.96	3.21	3.37	3.54	3.77	3.94
2033	9	3.57	3.01	3.18	3.41	3.57	3.73	3.95	4.12
2033	10	3.69	3.13	3.29	3.52	3.69	3.86	4.10	4.29
2033	11	3.86	3.27	3.45	3.69	3.86	4.03	4.28	4.43
2033	12	4.09	3.39	3.58	3.84	4.02	4.21	4.67	6.34
2034	1	4.28	3.50	3.73	4.02	4.21	4.40	4.92	6.59
2034	2	4.28	3.48	3.70	3.99	4.19	4.38	4.92	6.70
2034	3	4.07	3.42	3.61	3.86	4.05	4.22	4.56	5.41
2034	4	3.71	3.12	3.30	3.55	3.71	3.87	4.12	4.35
2034	5	3.52	2.99	3.14	3.35	3.51	3.68	3.93	4.11
2034	6	3.42	2.85	3.03	3.25	3.42	3.59	3.83	4.00
2034	7	3.42	2.85	3.02	3.26	3.43	3.59	3.81	3.99
2034	8	3.45	2.84	3.03	3.28	3.45	3.62	3.84	4.00
2034	9	3.66	3.06	3.25	3.49	3.65	3.82	4.07	4.26
2034	10	3.80	3.23	3.41	3.64	3.80	3.95	4.19	4.36
2034	11	3.95	3.41	3.57	3.80	3.95	4.11	4.32	4.50
2034	12	4.19	3.49	3.67	3.92	4.10	4.30	4.80	6.38
2035	1	4.31	3.62	3.79	4.05	4.24	4.44	4.92	6.66
2035	2	4.28	3.59	3.75	3.99	4.17	4.38	4.88	6.64
2035	3	4.07	3.47	3.62	3.86	4.03	4.22	4.56	5.36
2035	4	3.71	3.12	3.30	3.54	3.72	3.89	4.12	4.29
2035	5	3.52	2.91	3.10	3.35	3.52	3.68	3.91	4.09
2035	6	3.42	2.82	3.00	3.25	3.42	3.59	3.83	4.00
2035	7	3.42	2.84	3.00	3.25	3.42	3.58	3.83	4.00
2035	8	3.43	2.86	3.04	3.28	3.44	3.59	3.82	3.98
2035	9	3.67	3.09	3.27	3.51	3.67	3.83	4.06	4.21
2035	10	3.83	3.26	3.42	3.67	3.84	3.99	4.23	4.38
2035	11	3.99	3.42	3.58	3.83	4.00	4.16	4.40	4.55
2035	12	4.23	3.53	3.71	3.96	4.15	4.36	4.87	6.53
2036	1	4.35	3.65	3.84	4.08	4.27	4.49	5.01	6.77
2036	2	4.23	3.56	3.74	3.98	4.17	4.36	4.82	6.37
2036	3	4.08	3.46	3.64	3.89	4.06	4.24	4.53	5.20
2036	4	3.74	3.14	3.33	3.58	3.74	3.90	4.14	4.30

2036	5	3.54	2.95	3.12	3.36	3.54	3.71	3.96	4.13
2036	6	3.43	2.85	3.01	3.27	3.44	3.60	3.84	4.03
2036	7	3.44	2.83	3.02	3.27	3.44	3.61	3.86	4.03
2036	8	3.46	2.90	3.05	3.30	3.46	3.63	3.86	4.01
2036	9	3.67	3.06	3.25	3.51	3.68	3.84	4.08	4.27
2036	10	3.80	3.23	3.39	3.63	3.80	3.96	4.20	4.43
2036	11	3.97	3.40	3.55	3.81	3.97	4.13	4.37	4.57
2036	12	4.20	3.51	3.69	3.94	4.13	4.32	4.84	6.46
2037	1	4.34	3.62	3.81	4.09	4.27	4.47	4.94	6.70
2037	2	4.29	3.61	3.79	4.04	4.22	4.42	4.96	6.64
2037	3	4.13	3.47	3.66	3.92	4.10	4.30	4.68	5.39
2037	4	3.76	3.17	3.35	3.59	3.76	3.93	4.18	4.38
2037	5	3.57	2.98	3.17	3.42	3.57	3.73	3.97	4.13
2037	6	3.46	2.90	3.06	3.30	3.46	3.62	3.86	4.04
2037	7	3.45	2.90	3.06	3.29	3.45	3.61	3.86	4.02
2037	8	3.46	2.92	3.07	3.29	3.46	3.62	3.87	4.04
2037	9	3.67	3.10	3.26	3.50	3.68	3.84	4.07	4.25
2037	10	3.81	3.19	3.37	3.63	3.81	3.99	4.22	4.39
2037	11	3.97	3.33	3.56	3.82	3.97	4.13	4.36	4.53
2037	12	4.24	3.48	3.69	3.96	4.14	4.33	4.82	6.56
2038	1	4.37	3.60	3.81	4.09	4.28	4.48	5.05	6.81
2038	2	4.30	3.60	3.79	4.04	4.23	4.43	4.90	6.53
2038	3	4.13	3.53	3.69	3.93	4.10	4.29	4.64	5.21
2038	4	3.75	3.17	3.34	3.58	3.75	3.91	4.16	4.39
2038	5	3.55	2.98	3.15	3.38	3.55	3.72	3.97	4.17
2038	6	3.45	2.84	3.03	3.29	3.45	3.62	3.86	4.06
2038	7	3.47	2.91	3.08	3.30	3.47	3.63	3.86	4.04
2038	8	3.48	2.89	3.08	3.31	3.48	3.65	3.90	4.07
2038	9	3.69	3.11	3.29	3.52	3.69	3.86	4.10	4.28
2038	10	3.83	3.25	3.43	3.67	3.83	3.99	4.23	4.40
2038	11	4.01	3.45	3.60	3.84	4.01	4.17	4.41	4.56
2038	12	4.22	3.49	3.68	3.96	4.15	4.36	4.88	6.63
2039	1	4.37	3.62	3.83	4.09	4.27	4.47	5.01	6.77
2039	2	4.29	3.60	3.77	4.02	4.21	4.41	4.90	6.70
2039	3	4.10	3.44	3.63	3.86	4.05	4.25	4.58	5.37
2039	4	3.72	3.13	3.32	3.55	3.71	3.87	4.12	4.34
2039	5	3.55	3.01	3.17	3.38	3.54	3.71	3.96	4.14
2039	6	3.48	2.90	3.07	3.31	3.48	3.64	3.88	4.07
2039	7	3.49	2.90	3.11	3.33	3.48	3.64	3.88	4.09
2039	8	3.51	2.91	3.11	3.35	3.50	3.67	3.91	4.07
2039	9	3.71	3.14	3.31	3.55	3.71	3.87	4.10	4.26
2039	10	3.82	3.25	3.42	3.67	3.82	3.98	4.22	4.39
2039	11	3.96	3.40	3.56	3.79	3.96	4.12	4.36	4.55
2039	12	4.22	3.47	3.68	3.96	4.14	4.34	4.83	6.48
2040	1	4.39	3.63	3.84	4.11	4.29	4.50	5.00	6.64
2040	2	4.23	3.51	3.70	3.97	4.16	4.37	4.87	6.61
2040	3	4.08	3.48	3.65	3.89	4.06	4.23	4.53	5.31
2040	4	3.71	3.16	3.32	3.55	3.71	3.87	4.12	4.31
2040	5	3.58	2.97	3.15	3.41	3.58	3.75	3.98	4.16
2040	6	3.52	2.91	3.11	3.35	3.52	3.70	3.94	4.10
2040	7	3.53	2.93	3.12	3.36	3.52	3.69	3.94	4.11
2040	8	3.55	2.93	3.13	3.39	3.55	3.72	3.94	4.10
2040	9	3.75	3.15	3.34	3.59	3.75	3.92	4.17	4.35
2040	10	3.85	3.27	3.46	3.69	3.85	4.02	4.27	4.43
2040	11	4.00	3.44	3.60	3.84	4.00	4.16	4.40	4.61
2040	12	4.29	3.56	3.73	3.99	4.18	4.38	4.89	6.61

CRA Hydrogen Commodity Price Assumptions

Note: Hydrogen commodity price assumptions include fixed electrolyzer costs, variable costs of water, and variable costs of electricity

2020$/MMBtu

	AER	EWD	AER	EWD
	with $0.50/kg subsidy		without subsidy	
2025	21.17	12.39	24.86	16.07
2026	20.84	12.03	24.53	15.72
2027	20.46	11.53	24.15	15.22
2028	20.12	10.82	23.81	14.51
2029	19.65	10.45	23.33	14.14
2030	9.63	8.94	13.32	12.63
2031	10.01	8.21	13.70	11.90
2032	10.40	7.49	14.09	11.18
2033	10.78	6.76	14.47	10.45
2034	11.17	6.04	14.86	9.73
2035	11.55	5.31	15.24	9.00
2036	11.22	5.97	14.91	9.66
2037	10.89	6.62	14.58	10.31
2038	10.56	7.27	14.25	10.96
2039	10.23	7.93	13.92	11.61
2040	9.90	8.58	13.59	12.27

2021 IRP Carbon Allowance Price Assumptions

2020$/short ton

	Ref	AER	SQE	EWD
2021	0.0	0.0	0.0	0.0
2022	0.0	0.0	0.0	0.0
2023	0.0	0.0	0.0	0.0
2024	0.0	6.0	0.0	0.0
2025	0.0	7.0	0.0	0.0
2026	8.7	8.7	0.0	0.0
2027	9.3	11.1	0.0	0.0
2028	9.6	14.2	0.0	0.0
2029	9.9	18.2	0.0	0.0
2030	10.4	23.3	0.0	0.0
2031	11.1	29.9	0.0	0.0
2032	11.5	38.2	0.0	0.0
2033	12.0	49.0	0.0	0.0
2034	12.2	62.7	0.0	0.0
2035	12.8	80.2	0.0	0.0
2036	13.3	81.9	0.0	0.0
2037	13.6	83.6	0.0	0.0
2038	14.0	85.4	0.0	0.0
2039	14.5	87.2	0.0	0.0
2040	15.0	89.0	0.0	0.0

MISO Capacity Price Outlook

2020$/MW-Day

	Reference Case		Status Quo Extended Case		Aggressive Environmental Regulation Case		Economy-Wide Decarbonization Case	
Year	Summer	Winter	Summer	Winter	Summer	Winter	Summer	Winter
2021	11.1		11.1		11.1		11.3	
2022	17.2		17.1		22.9		18.1	
2023	27.7	2.0	20.8	2.0	34.1	5.5	27.1	5.3
2024	43.8	4.0	31.5	4.0	53.4	18.3	31.0	62.2
2025	64.2	6.1	37.6	6.1	75.2	37.0	34.2	95.8
2026	70.4	8.1	48.8	6.8	77.1	79.1	39.4	102.9
2027	72.2	10.1	63.4	12.8	86.7	111.0	39.4	119.3
2028	74.1	12.2	72.0	21.6	96.5	136.6	39.4	160.5
2029	77.7	31.8	71.9	21.6	118.3	162.5	39.4	197.2
2030	83.2	57.1	75.2	21.6	142.0	182.8	39.4	234.5
2031	88.9	72.7	72.7	21.6	152.9	174.4	39.4	241.3
2032	87.8	78.2	65.7	21.8	168.7	170.4	39.4	229.7
2033	83.7	78.9	64.4	32.6	167.5	164.9	39.4	218.1
2034	84.3	80.4	64.5	43.4	168.1	171.3	39.4	216.9
2035	96.1	95.6	64.8	65.0	170.2	172.7	39.4	206.6
2036	109.8	108.6	65.5	66.3	168.6	175.9	39.4	196.2
2037	117.9	118.1	70.7	67.1	167.7	181.3	39.4	194.5
2038	119.5	118.1	68.8	65.4	166.2	175.2	39.4	195.4
2039	119.4	119.4	67.9	65.2	164.3	176.6	39.4	195.3
2040	120.9	119.7	65.9	64.2	167.7	181.3	39.4	216.6

Economy-Wide Decarbonization - CEC/REC Price Forecast

2020$/MWh

Year	
2021	8.7
2022	10.9
2023	9.2
2024	7.8
2025	7.4
2026	13.4
2027	20.3
2028	27.8
2029	35.9
2030	40.9
2031	42.6
2032	44.9
2033	45.5
2034	46.8
2035	45.4
2036	43.4
2037	40.8
2038	39.7
2039	38.3
2040	36.4

2021 IRP Delivered Coal Prices

	Annual Delivered Fuel Price (Real 2020$/mmBtu)				
	Michigan City	Schahfer 14	Schahfer 15	Schahfer 17	Schahfer 18
2021	2.13	1.86	1.81	2.00	2.00
2022	2.06			1.79	1.79
2023	2.14			1.83	1.83
2024	2.14				
2025	2.15				
2026	2.15				
2027	2.16				
2028	2.16				

	Annual Delivered Fuel Price (Nom$/mmBtu)				
	Michigan City	Schahfer 14	Schahfer 15	Schahfer 17	Schahfer 18
2021	2.17	1.89	1.84	2.04	2.04
2022	2.14			1.86	1.86
2023	2.26			1.93	1.93
2024	2.31				
2025	2.36				
2026	2.42				
2027	2.47				
2028	2.53				

RFP Tranche Summaries

Note: A tax equity partnership was assumed for renewable projects to take advantage of the production tax credit (wind) and the investment tax credit (solar). This adjustment to NIPSCO's capital contribution is reflected in the financial output details.

Project Definition					Plant Parameters							PPA Parameters (if relevant)				Asset Sale Parameters (if relevant)	
Tranche Name (P=PPA, A=Asset Sale)	Technology	Type	First Acq Year	Last Acq Year	Generation ICAP - Primary Resource if Paired (Nameplate MW)	Storage ICAP if Paired (Nameplate MW)	Tranche Size	# of Tranches	Heat Rate (Btu/kWh)	Storage Duration (# of Hours)	Storage Efficiency (%)	Energy Price per MWh	Capacity Price $/kW-Mo	Contract Escalation Rate (if any)	PPA Term (years)	Asset Sale $/kW	Notes
Wind P1	Wind	PPA	12/31/2024	1/1/2026	500		200	2				$48.37	$0.00	0.0%	20.00		Includes some IL projects
Wind P2	Wind	PPA	1/1/2024	1/1/2025	835		165	5				$33.28	$0.00	0.0%	15.00		All out-of-state projects (MO and IL)
Solar P1	Solar	PPA	6/1/2024	1/1/2026	825		80	10				$49.73	$0.00	0.0%	20.00		
Solar P2	Solar	PPA	1/1/2024	12/31/2025	588		100	5				$37.50	$0.00	0.9%	17.00		
Solar A1	Solar	Asset Sale	12/31/2024	12/31/2025	1,250		150	8								$1,282.05	
Solar A2	Solar	Asset Sale	9/1/2024	9/1/2024	1,150		200	5								$1,603.10	
Solar+Storage P1	Solar + Storage	PPA	12/31/2024	12/31/2025	300	150	225	2		4	0.85	$39.00	$7.43	0.0%	15.00		
Solar+Storage P2	Solar + Storage	PPA	3/9/2023	12/31/2025	1,135	478	150	10		4	0.85	$44.49	$6.14	0.0%	19.66		
Solar+Storage A1	Solar + Storage	Asset Sale	12/31/2023	12/31/2025	901	305	250	4		4	0.85					$1,346.23	
Solar+Storage A2	Solar + Storage	Asset Sale	12/1/2024	12/31/2025	549	275	250	3		4	0.85					$1,166.73	
Storage P2	Storage	PPA	12/1/2024	7/1/2026	863	863	100	8		4	0.85	$0.00	$11.95	0.2%	18.62		
Storage A2	Storage	Asset Sale	12/31/2024	12/31/2026	406	406	135	3		4	0.85					$984.33	
Gas Peaking P1	Gas Peaker	PPA	12/31/2025	12/31/2025	443		443	1	10,244			$0.00	$6.47	0.0%	20.00		Includes out-of-service territory resources
Gas Peaking P2	Gas Peaker	PPA	12/31/2024	12/31/2024	193		193	1	10,238			$0.00	[redacted]	2.1%	20.00		
Gas Peaking A1	Gas Peaker	Asset Sale	12/31/2021	6/1/2024	369		300	1	11,471							$575.00	Includes out-of-service territory resources
Gas CC P1	Gas CC	PPA	6/1/2024	6/1/2026	1,365		683	2	6,627			$0.98	$8.89	0.1%	20.00		
Gas CC A1	Gas CC	Asset Sale	6/1/2026	6/1/2026	650		650	1	6,540							[redacted]	One CC offered at various sizes (assume 650 MW)
Other Thermal P1	Other Thermal	PPA	6/1/2024	6/1/2024	50		50	1	12,500			[redacted]		0.0%	10.00		Heat rate call option, fuel additive
Other Thermal P2	Other Thermal	PPA	6/1/2026	6/1/2026	150		150	1	-			$0.00	[redacted]	2.0%	10.00		ZRCs only
Hydrogen P1	Hydrogen	PPA	12/31/2024	12/31/2024	193		193	1	10,238			$0.00	[redacted]	2.1%	20.00		
Hydrogen P2	Hydrogen	PPA	12/31/2025	12/31/2025	20		20	1	-			$0.00	[redacted]	0.0%	20.00		

ITC/PTC Eligibility Assumptions by Scenario

	Ref		SQE		AER		EWD	
	ITC - Solar and paired solar plus storage	PTC	ITC - Solar and paired solar plus storage	PTC	ITC - Solar, paired solar plus storage, AND stand-alone storage	PTC	ITC - Solar, paired solar plus storage, AND stand-alone storage	PTC
2021	30%	80%	30%	80%	30%	80%	30%	80%
2022	30%	60%	30%	60%	30%	60%	30%	60%
2023	30%	60%	30%	60%	30%	60%	30%	60%
2024	26%	60%	26%	60%	26%	60%	26%	60%
2025	26%	60%	26%	60%	26%	60%	26%	60%
2026	26%	60%	10%	0%	26%	60%	26%	60%
2027	26%	0%	10%	0%	26%	60%	26%	60%
2028	10%	0%	10%	0%	26%	60%	26%	60%
2029	10%	0%	10%	0%	26%	0%	26%	60%
2030	10%	0%	10%	0%	26%	0%	26%	60%
2031	10%	0%	10%	0%	10%	0%	26%	60%
2032	10%	0%	10%	0%	10%	0%	26%	60%
2033	10%	0%	10%	0%	10%	0%	26%	60%
2034	10%	0%	10%	0%	10%	0%	26%	60%
2035	10%	0%	10%	0%	10%	0%	26%	60%
2036	10%	0%	10%	0%	10%	0%	10%	0%
2037	10%	0%	10%	0%	10%	0%	10%	0%
2038	10%	0%	10%	0%	10%	0%	10%	0%
2039	10%	0%	10%	0%	10%	0%	10%	0%
2040	10%	0%	10%	0%	10%	0%	10%	0%

Scenario Name	Federal Tech. Incentives
Reference Case	2-year ITC extension (solar); 1-year PTC extension (60%)
Status Quo Extended	No change to current policy
Aggressive Environmental Regulation	5-year ITC extension (solar) plus expansion to storage; 3-year PTC extension (60%)
Economy-Wide Decarbonization	10-year ITC extension (solar) plus expansion to storage; 10-year PTC extension (60%);

Notes:
ITC = Investment Tax Credit; PTC = Production Tax Credit
Assumptions are shown for the eligible tax credit in the year a project commences commercial operation, assuming any necessary safe harboring is met.
The PTC is currently $25/MWh (paid over the first 10 years of operation) and anchored to inflation. The table indicates the percentage of this total value.
Storage facilities need to predominently charge from renewable energy for the first five years of their operational life to qualify for the ITC under current law. The AER and EWD scenarios extend the ITC to stand-alone storage.

Generic Replacement Option Cost Parameters
2020$

Capital ($/kW)

				Generic Resource Capital Cost		Post-Tax Credit (Ref)		Post-Tax Credit (SQE)		Post-Tax Credit (AER)		Post-Tax Credit (EWD)	
	Sugar Creek Uprate	H2-Enablement Investment	Selected DER	Generic Solar	Generic Storage (4-hour)	Generic Solar	Generic Storage (4-hour)	Generic Solar	Generic Storage (4-hour)	Generic Solar	Generic Storage (4-hour)	Generic Solar	Generic Storage (4-hour)
2023													
2024													
2025													
2026			690										
2027	378												
2028													
2029													
2030				1,459	939	1,240	939	1,240	939	1,007	648	1,007	648
2031				1,446	927	1,229	927	1,229	927	1,229	788	998	640
2032		269		1,433	915	1,218	915	1,218	915	1,218	778	989	632
2033				1,420	904	1,207	904	1,207	904	1,207	768	980	624
2034				1,407	892	1,196	892	1,196	892	1,196	758	971	615
2035				1,394	880	1,185	880	1,185	880	1,185	748	962	607
2036				1,381	869	1,174	869	1,174	869	1,174	738	1,174	738
2037				1,369	857	1,163	857	1,163	857	1,163	728	1,163	728
2038				1,356	845	1,152	845	1,152	845	1,152	718	1,152	718
2039				1,343	833	1,141	833	1,141	833	1,141	708	1,141	708
2040				1,330	822	1,130	822	1,130	822	1,130	698	1,130	698

**DER cost is net of Distribution cost deferrals*
See Utility-Owned DER tab for more detail

FOM ($/kw-yr) levelized for the year of addition

	Sugar Creek Uprate - Incremental	H2-Enablement Investment - Incremental	Selected DER	Generic Solar	Generic Storage (4-hour)
2023					
2024					
2025					
2026			36.28		
2027	11.41				
2028					
2029					
2030				14.37	35.70
2031				14.16	34.76
2032		22.99		14.26	33.71
2033				14.24	32.45
2034				14.22	31.45
2035				14.10	30.47
2036				14.05	29.53
2037				14.01	29.03
2038				14.00	28.55
2039				14.05	28.09
2040				14.05	27.66

Ongoing Capex ($/kW-yr) levelized for the year of addition

	Sugar Creek Uprate
2023	-
2024	-
2025	-
2026	-
2027	3.02
2028	-
2029	-
2030	-
2031	-
2032	-
2033	-
2034	-
2035	-
2036	-
2037	-
2038	-
2039	-
2040	-

Hourly Renewable Shapes for New RFP Resources

Shapes display a 168-hour week for each of the 12 months in the year

Capacity Factor (%)

Wind

Month/Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	65.31	62.07	56.08	51.63	49.89	46.93	41.95	37.25	38.31	42.55	43.13	39.49	35.72	33.12
2	62.54	60.25	56.02	52.87	51.64	49.55	46.04	42.72	43.46	46.46	46.87	44.3	41.64	39.8
3	40.79	41.42	40.85	40.54	40.71	40.38	37.31	32.96	32.82	33.06	33.75	36.57	37.59	39.06
4	42.3	43.15	42.36	41.96	42.18	41.74	37.63	31.8	31.62	31.94	32.87	36.63	38.01	39.97
5	34.41	34.93	34.45	34.21	34.34	34.08	31.59	28.05	27.95	28.14	28.7	30.98	31.82	33.01
6	36.82	37.08	35.18	35.44	36.6	37.11	36.7	31.93	23.3	19.02	19.74	21.41	26.21	26.74
7	26.34	26.52	25.23	25.41	26.19	26.55	26.26	23.03	17.2	14.3	14.79	15.92	19.17	19.52
8	21.36	21.5	20.54	20.67	21.26	21.51	21.3	18.89	14.53	12.36	12.72	13.57	16	16.27
9	34.8	35.16	34.62	34.05	33.26	32.92	32.18	30.91	30.69	30.6	28.72	27.08	28.09	28.07
10	45.88	46.46	45.56	44.62	43.32	42.75	41.5	39.42	39.03	38.89	35.77	33.05	34.73	34.69
11	53.58	54.41	53.11	51.75	49.88	49.04	47.23	44.21	43.65	43.44	38.92	34.97	37.42	37.36
12	63.47	60.93	56.21	52.71	51.34	49.01	45.1	41.39	42.23	45.56	46.02	43.16	40.19	38.14

Solar

Month/Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.4	38.2	39.9	39.8	36.1	42.4
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	44.1	50.9	51.1	52.6	50.5	53.3
3	0.0	0.0	0.0	0.0	0.0	0.0	2.9	34.6	56.6	57.8	56.7	58.3	65.2	62.0
4	0.0	0.0	0.0	0.0	0.0	0.2	27.3	57.8	67.0	71.6	73.6	74.2	70.5	70.2
5	0.0	0.0	0.0	0.0	0.0	14.3	48.6	62.7	68.5	73.8	79.1	71.0	69.0	69.8
6	0.0	0.0	0.0	0.0	0.0	21.6	57.0	69.6	75.6	79.3	81.1	78.5	77.6	76.6
7	0.0	0.0	0.0	0.0	0.0	16.4	55.3	72.0	78.2	80.5	82.0	77.0	77.4	77.2
8	0.0	0.0	0.0	0.0	0.0	1.0	36.1	69.0	71.3	75.3	79.5	76.0	76.3	73.3
9	0.0	0.0	0.0	0.0	0.0	0.0	20.6	56.2	68.3	69.3	70.0	71.0	70.2	71.0
10	0.0	0.0	0.0	0.0	0.0	0.0	2.4	38.0	56.0	60.7	59.0	56.9	57.5	60.9
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.7	45.2	45.3	44.7	42.0	41.0	46.4
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	23.9	32.1	33.5	35.6	34.9	39.4

15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
28.9	27.23	29.79	29.55	30.03	33.46	37.14	38.63	39.95	41.9	65.31	62.07	56.08	51.63	49.89
36.81	35.64	37.45	37.28	37.61	40.03	42.64	43.69	44.62	46.01	62.54	60.25	56.02	52.87	51.64
40.24	42.3	44.06	43.18	42.02	41.85	42.53	42.05	41.73	42.09	40.79	41.42	40.85	40.54	40.71
41.56	44.31	46.66	45.5	43.94	43.71	44.63	43.98	43.54	44.04	42.3	43.15	42.36	41.96	42.18
33.97	35.64	37.06	36.35	35.41	35.26	35.82	35.43	35.17	35.47	34.41	34.93	34.45	34.21	34.34
28.33	30.33	31.67	33.24	33.56	31.75	32.5	33.52	34.51	36.56	36.82	37.08	35.18	35.44	36.6
20.6	21.95	22.85	23.92	24.14	22.91	23.42	24.11	24.78	26.16	26.34	26.52	25.23	25.41	26.19
17.07	18.08	18.76	19.55	19.72	18.8	19.18	19.7	20.2	21.23	21.36	21.5	20.54	20.67	21.26
27.61	27.06	26.34	27.08	27.37	28.75	30.1	30.78	30.76	33.56	34.8	35.16	34.62	34.05	33.26
33.93	33.03	31.82	33.06	33.53	35.82	38.05	39.19	39.16	43.8	45.88	46.46	45.56	44.62	43.32
36.24	34.94	33.19	34.98	35.66	38.99	42.23	43.87	43.83	50.56	53.58	54.41	53.11	51.75	49.88
34.82	33.51	35.53	35.34	35.71	38.41	41.31	42.48	43.52	45.06	63.47	60.93	56.21	52.71	51.34

15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
40.0	31.5	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54.2	52.4	24.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65.2	60.7	50.1	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65.3	58.3	52.8	24.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66.5	60.9	56.3	38.6	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.4	69.0	62.4	49.1	16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.6	69.7	63.0	51.0	17.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69.3	69.3	66.4	39.7	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70.9	66.7	52.1	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56.8	50.3	17.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49.3	31.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36.4	20.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

30	31	32	33	34	35	36	37	38	39	40	41	42	43	44
46.93	41.95	37.25	38.31	42.55	43.13	39.49	35.72	33.12	28.9	27.23	29.79	29.55	30.03	33.46
49.55	46.04	42.72	43.46	46.46	46.87	44.3	41.64	39.8	36.81	35.64	37.45	37.28	37.61	40.03
40.38	37.31	32.96	32.82	33.06	33.75	36.57	37.59	39.06	40.24	42.3	44.06	43.18	42.02	41.85
41.74	37.63	31.8	31.62	31.94	32.87	36.63	38.01	39.97	41.56	44.31	46.66	45.5	43.94	43.71
34.08	31.59	28.05	27.95	28.14	28.7	30.98	31.82	33.01	33.97	35.64	37.06	36.35	35.41	35.26
37.11	36.7	31.93	23.3	19.02	19.74	21.41	26.21	26.74	28.33	30.33	31.67	33.24	33.56	31.75
26.55	26.26	23.03	17.2	14.3	14.79	15.92	19.17	19.52	20.6	21.95	22.85	23.92	24.14	22.91
21.51	21.3	18.89	14.53	12.36	12.72	13.57	16	16.27	17.07	18.08	18.76	19.55	19.72	18.8
32.92	32.18	30.91	30.69	30.6	28.72	27.08	28.09	28.07	27.61	27.06	26.34	27.08	27.37	28.75
42.75	41.5	39.42	39.03	38.89	35.77	33.05	34.73	34.69	33.93	33.03	31.82	33.06	33.53	35.82
49.04	47.23	44.21	43.65	43.44	38.92	34.97	37.42	37.36	36.24	34.94	33.19	34.98	35.66	38.99
49.01	45.1	41.39	42.23	45.56	46.02	43.16	40.19	38.14	34.82	33.51	35.53	35.34	35.71	38.41

30	31	32	33	34	35	36	37	38	39	40	41	42	43	44
0.0	0.0	0.0	24.4	38.2	39.9	39.8	36.1	42.4	40.0	31.5	3.2	0.0	0.0	0.0
0.0	0.0	8.0	44.1	50.9	51.1	52.6	50.5	53.3	54.2	52.4	24.1	0.1	0.0	0.0
0.0	2.9	34.6	56.6	57.8	56.7	58.3	65.2	62.0	65.2	60.7	50.1	10.9	0.0	0.0
0.2	27.3	57.8	67.0	71.6	73.6	74.2	70.5	70.2	65.3	58.3	52.8	24.3	0.0	0.0
14.3	48.6	62.7	68.5	73.8	79.1	71.0	69.0	69.8	66.5	60.9	56.3	38.6	6.3	0.0
21.6	57.0	69.6	75.6	79.3	81.1	78.5	77.6	76.6	72.4	69.0	62.4	49.1	16.3	0.0
16.4	55.3	72.0	78.2	80.5	82.0	77.0	77.4	77.2	72.6	69.7	63.0	51.0	17.9	0.0
1.0	36.1	69.0	71.3	75.3	79.5	76.0	76.3	73.3	69.3	69.3	66.4	39.7	4.0	0.0
0.0	20.6	56.2	68.3	69.3	70.0	71.0	70.2	71.0	70.9	66.7	52.1	12.5	0.0	0.0
0.0	2.4	38.0	56.0	60.7	59.0	56.9	57.5	60.9	56.8	50.3	17.3	0.0	0.0	0.0
0.0	0.0	15.7	45.2	45.3	44.7	42.0	41.0	46.4	49.3	31.0	0.4	0.0	0.0	0.0
0.0	0.0	0.2	23.9	32.1	33.5	35.6	34.9	39.4	36.4	20.1	0.0	0.0	0.0	0.0

45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
37.14	38.63	39.95	41.9	65.31	62.07	56.08	51.63	49.89	46.93	41.95	37.25	38.31	42.55	43.13
42.64	43.69	44.62	46.01	62.54	60.25	56.02	52.87	51.64	49.55	46.04	42.72	43.46	46.46	46.87
42.53	42.05	41.73	42.09	40.79	41.42	40.85	40.54	40.71	40.38	37.31	32.96	32.82	33.06	33.75
44.63	43.98	43.54	44.04	42.3	43.15	42.36	41.96	42.18	41.74	37.63	31.8	31.62	31.94	32.87
35.82	35.43	35.17	35.47	34.41	34.93	34.45	34.21	34.34	34.08	31.59	28.05	27.95	28.14	28.7
32.5	33.52	34.51	36.56	36.82	37.08	35.18	35.44	36.6	37.11	36.7	31.93	23.3	19.02	19.74
23.42	24.11	24.78	26.16	26.34	26.52	25.23	25.41	26.19	26.55	26.26	23.03	17.2	14.3	14.79
19.18	19.7	20.2	21.23	21.36	21.5	20.54	20.67	21.26	21.51	21.3	18.89	14.53	12.36	12.72
30.1	30.78	30.76	33.56	34.8	35.16	34.62	34.05	33.26	32.92	32.18	30.91	30.69	30.6	28.72
38.05	39.19	39.16	43.8	45.88	46.46	45.56	44.62	43.32	42.75	41.5	39.42	39.03	38.89	35.77
42.23	43.87	43.83	50.56	53.58	54.41	53.11	51.75	49.88	49.04	47.23	44.21	43.65	43.44	38.92
41.31	42.48	43.52	45.06	63.47	60.93	56.21	52.71	51.34	49.01	45.1	41.39	42.23	45.56	46.02

45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.4	38.2	39.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	44.1	50.9	51.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	34.6	56.6	57.8	56.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	27.3	57.8	67.0	71.6	73.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.3	48.6	62.7	68.5	73.8	79.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.6	57.0	69.6	75.6	79.3	81.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.4	55.3	72.0	78.2	80.5	82.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	36.1	69.0	71.3	75.3	79.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.6	56.2	68.3	69.3	70.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	38.0	56.0	60.7	59.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.7	45.2	45.3	44.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	23.9	32.1	33.5

60	61	62	63	64	65	66	67	68	69	70	71	72	73	74
39.49	35.72	33.12	28.9	27.23	29.79	29.55	30.03	33.46	37.14	38.63	39.95	41.9	65.31	62.07
44.3	41.64	39.8	36.81	35.64	37.45	37.28	37.61	40.03	42.64	43.69	44.62	46.01	62.54	60.25
36.57	37.59	39.06	40.24	42.3	44.06	43.18	42.02	41.85	42.53	42.05	41.73	42.09	40.79	41.42
36.63	38.01	39.97	41.56	44.31	46.66	45.5	43.94	43.71	44.63	43.98	43.54	44.04	42.3	43.15
30.98	31.82	33.01	33.97	35.64	37.06	36.35	35.41	35.26	35.82	35.43	35.17	35.47	34.41	34.93
21.41	26.21	26.74	28.33	30.33	31.67	33.24	33.56	31.75	32.5	33.52	34.51	36.56	36.82	37.08
15.92	19.17	19.52	20.6	21.95	22.85	23.92	24.14	22.91	23.42	24.11	24.78	26.16	26.34	26.52
13.57	16	16.27	17.07	18.08	18.76	19.55	19.72	18.8	19.18	19.7	20.2	21.23	21.36	21.5
27.08	28.09	28.07	27.61	27.06	26.34	27.08	27.37	28.75	30.1	30.78	30.76	33.56	34.8	35.16
33.05	34.73	34.69	33.93	33.03	31.82	33.06	33.53	35.82	38.05	39.19	39.16	43.8	45.88	46.46
34.97	37.42	37.36	36.24	34.94	33.19	34.98	35.66	38.99	42.23	43.87	43.83	50.56	53.58	54.41
43.16	40.19	38.14	34.82	33.51	35.53	35.34	35.71	38.41	41.31	42.48	43.52	45.06	63.47	60.93

60	61	62	63	64	65	66	67	68	69	70	71	72	73	74
39.8	36.1	42.4	40.0	31.5	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.6	50.5	53.3	54.2	52.4	24.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58.3	65.2	62.0	65.2	60.7	50.1	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74.2	70.5	70.2	65.3	58.3	52.8	24.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71.0	69.0	69.8	66.5	60.9	56.3	38.6	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78.5	77.6	76.6	72.4	69.0	62.4	49.1	16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.0	77.4	77.2	72.6	69.7	63.0	51.0	17.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76.0	76.3	73.3	69.3	69.3	66.4	39.7	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71.0	70.2	71.0	70.9	66.7	52.1	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56.9	57.5	60.9	56.8	50.3	17.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.0	41.0	46.4	49.3	31.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35.6	34.9	39.4	36.4	20.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

75	76	77	78	79	80	81	82	83	84	85	86	87	88	89
56.08	51.63	49.89	46.93	41.95	37.25	38.31	42.55	43.13	39.49	35.72	33.12	28.9	27.23	29.79
56.02	52.87	51.64	49.55	46.04	42.72	43.46	46.46	46.87	44.3	41.64	39.8	36.81	35.64	37.45
40.85	40.54	40.71	40.38	37.31	32.96	32.82	33.06	33.75	36.57	37.59	39.06	40.24	42.3	44.06
42.36	41.96	42.18	41.74	37.63	31.8	31.62	31.94	32.87	36.63	38.01	39.97	41.56	44.31	46.66
34.45	34.21	34.34	34.08	31.59	28.05	27.95	28.14	28.7	30.98	31.82	33.01	33.97	35.64	37.06
35.18	35.44	36.6	37.11	36.7	31.93	23.3	19.02	19.74	21.41	26.21	26.74	28.33	30.33	31.67
25.23	25.41	26.19	26.55	26.26	23.03	17.2	14.3	14.79	15.92	19.17	19.52	20.6	21.95	22.85
20.54	20.67	21.26	21.51	21.3	18.89	14.53	12.36	12.72	13.57	16	16.27	17.07	18.08	18.76
34.62	34.05	33.26	32.92	32.18	30.91	30.69	30.6	28.72	27.08	28.09	28.07	27.61	27.06	26.34
45.56	44.62	43.32	42.75	41.5	39.42	39.03	38.89	35.77	33.05	34.73	34.69	33.93	33.03	31.82
53.11	51.75	49.88	49.04	47.23	44.21	43.65	43.44	38.92	34.97	37.42	37.36	36.24	34.94	33.19
56.21	52.71	51.34	49.01	45.1	41.39	42.23	45.56	46.02	43.16	40.19	38.14	34.82	33.51	35.53

75	76	77	78	79	80	81	82	83	84	85	86	87	88	89
0.0	0.0	0.0	0.0	0.0	0.0	24.4	38.2	39.9	39.8	36.1	42.4	40.0	31.5	3.2
0.0	0.0	0.0	0.0	0.0	8.0	44.1	50.9	51.1	52.6	50.5	53.3	54.2	52.4	24.1
0.0	0.0	0.0	0.0	2.9	34.6	56.6	57.8	56.7	58.3	65.2	62.0	65.2	60.7	50.1
0.0	0.0	0.0	0.2	27.3	57.8	67.0	71.6	73.6	74.2	70.5	70.2	65.3	58.3	52.8
0.0	0.0	0.0	14.3	48.6	62.7	68.5	73.8	79.1	71.0	69.0	69.8	66.5	60.9	56.3
0.0	0.0	0.0	21.6	57.0	69.6	75.6	79.3	81.1	78.5	77.6	76.6	72.4	69.0	62.4
0.0	0.0	0.0	16.4	55.3	72.0	78.2	80.5	82.0	77.0	77.4	77.2	72.6	69.7	63.0
0.0	0.0	0.0	1.0	36.1	69.0	71.3	75.3	79.5	76.0	76.3	73.3	69.3	69.3	66.4
0.0	0.0	0.0	0.0	20.6	56.2	68.3	69.3	70.0	71.0	70.2	71.0	70.9	66.7	52.1
0.0	0.0	0.0	0.0	2.4	38.0	56.0	60.7	59.0	56.9	57.5	60.9	56.8	50.3	17.3
0.0	0.0	0.0	0.0	0.0	15.7	45.2	45.3	44.7	42.0	41.0	46.4	49.3	31.0	0.4
0.0	0.0	0.0	0.0	0.0	0.2	23.9	32.1	33.5	35.6	34.9	39.4	36.4	20.1	0.0

90	91	92	93	94	95	96	97	98	99	100	101	102	103	104
29.55	30.03	33.46	37.14	38.63	39.95	41.9	65.31	62.07	56.08	51.63	49.89	46.93	41.95	37.25
37.28	37.61	40.03	42.64	43.69	44.62	46.01	62.54	60.25	56.02	52.87	51.64	49.55	46.04	42.72
43.18	42.02	41.85	42.53	42.05	41.73	42.09	40.79	41.42	40.85	40.54	40.71	40.38	37.31	32.96
45.5	43.94	43.71	44.63	43.98	43.54	44.04	42.3	43.15	42.36	41.96	42.18	41.74	37.63	31.8
36.35	35.41	35.26	35.82	35.43	35.17	35.47	34.41	34.93	34.45	34.21	34.34	34.08	31.59	28.05
33.24	33.56	31.75	32.5	33.52	34.51	36.56	36.82	37.08	35.18	35.44	36.6	37.11	36.7	31.93
23.92	24.14	22.91	23.42	24.11	24.78	26.16	26.34	26.52	25.23	25.41	26.19	26.55	26.26	23.03
19.55	19.72	18.8	19.18	19.7	20.2	21.23	21.36	21.5	20.54	20.67	21.26	21.51	21.3	18.89
27.08	27.37	28.75	30.1	30.78	30.76	33.56	34.8	35.16	34.62	34.05	33.26	32.92	32.18	30.91
33.06	33.53	35.82	38.05	39.19	39.16	43.8	45.88	46.46	45.56	44.62	43.32	42.75	41.5	39.42
34.98	35.66	38.99	42.23	43.87	43.83	50.56	53.58	54.41	53.11	51.75	49.88	49.04	47.23	44.21
35.34	35.71	38.41	41.31	42.48	43.52	45.06	63.47	60.93	56.21	52.71	51.34	49.01	45.1	41.39

90	91	92	93	94	95	96	97	98	99	100	101	102	103	104
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0
10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	34.6
24.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	27.3	57.8
38.6	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.3	48.6	62.7
49.1	16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.6	57.0	69.6
51.0	17.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.4	55.3	72.0
39.7	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	36.1	69.0
12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.6	56.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	38.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2

105	106	107	108	109	110	111	112	113	114	115	116	117	118	119
38.31	42.55	43.13	39.49	35.72	33.12	28.9	27.23	29.79	29.55	30.03	33.46	37.14	38.63	39.95
43.46	46.46	46.87	44.3	41.64	39.8	36.81	35.64	37.45	37.28	37.61	40.03	42.64	43.69	44.62
32.82	33.06	33.75	36.57	37.59	39.06	40.24	42.3	44.06	43.18	42.02	41.85	42.53	42.05	41.73
31.62	31.94	32.87	36.63	38.01	39.97	41.56	44.31	46.66	45.5	43.94	43.71	44.63	43.98	43.54
27.95	28.14	28.7	30.98	31.82	33.01	33.97	35.64	37.06	36.35	35.41	35.26	35.82	35.43	35.17
23.3	19.02	19.74	21.41	26.21	26.74	28.33	30.33	31.67	33.24	33.56	31.75	32.5	33.52	34.51
17.2	14.3	14.79	15.92	19.17	19.52	20.6	21.95	22.85	23.92	24.14	22.91	23.42	24.11	24.78
14.53	12.36	12.72	13.57	16	16.27	17.07	18.08	18.76	19.55	19.72	18.8	19.18	19.7	20.2
30.69	30.6	28.72	27.08	28.09	28.07	27.61	27.06	26.34	27.08	27.37	28.75	30.1	30.78	30.76
39.03	38.89	35.77	33.05	34.73	34.69	33.93	33.03	31.82	33.06	33.53	35.82	38.05	39.19	39.16
43.65	43.44	38.92	34.97	37.42	37.36	36.24	34.94	33.19	34.98	35.66	38.99	42.23	43.87	43.83
42.23	45.56	46.02	43.16	40.19	38.14	34.82	33.51	35.53	35.34	35.71	38.41	41.31	42.48	43.52

105	106	107	108	109	110	111	112	113	114	115	116	117	118	119
24.4	38.2	39.9	39.8	36.1	42.4	40.0	31.5	3.2	0.0	0.0	0.0	0.0	0.0	0.0
44.1	50.9	51.1	52.6	50.5	53.3	54.2	52.4	24.1	0.1	0.0	0.0	0.0	0.0	0.0
56.6	57.8	56.7	58.3	65.2	62.0	65.2	60.7	50.1	10.9	0.0	0.0	0.0	0.0	0.0
67.0	71.6	73.6	74.2	70.5	70.2	65.3	58.3	52.8	24.3	0.0	0.0	0.0	0.0	0.0
68.5	73.8	79.1	71.0	69.0	69.8	66.5	60.9	56.3	38.6	6.3	0.0	0.0	0.0	0.0
75.6	79.3	81.1	78.5	77.6	76.6	72.4	69.0	62.4	49.1	16.3	0.0	0.0	0.0	0.0
78.2	80.5	82.0	77.0	77.4	77.2	72.6	69.7	63.0	51.0	17.9	0.0	0.0	0.0	0.0
71.3	75.3	79.5	76.0	76.3	73.3	69.3	69.3	66.4	39.7	4.0	0.0	0.0	0.0	0.0
68.3	69.3	70.0	71.0	70.2	71.0	70.9	66.7	52.1	12.5	0.0	0.0	0.0	0.0	0.0
56.0	60.7	59.0	56.9	57.5	60.9	56.8	50.3	17.3	0.0	0.0	0.0	0.0	0.0	0.0
45.2	45.3	44.7	42.0	41.0	46.4	49.3	31.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0
23.9	32.1	33.5	35.6	34.9	39.4	36.4	20.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0

120	121	122	123	124	125	126	127	128	129	130	131	132	133	134
41.9	65.31	62.07	56.08	51.63	49.89	46.93	41.95	37.25	38.31	42.55	43.13	39.49	35.72	33.12
46.01	62.54	60.25	56.02	52.87	51.64	49.55	46.04	42.72	43.46	46.46	46.87	44.3	41.64	39.8
42.09	40.79	41.42	40.85	40.54	40.71	40.38	37.31	32.96	32.82	33.06	33.75	36.57	37.59	39.06
44.04	42.3	43.15	42.36	41.96	42.18	41.74	37.63	31.8	31.62	31.94	32.87	36.63	38.01	39.97
35.47	34.41	34.93	34.45	34.21	34.34	34.08	31.59	28.05	27.95	28.14	28.7	30.98	31.82	33.01
36.56	36.82	37.08	35.18	35.44	36.6	37.11	36.7	31.93	23.3	19.02	19.74	21.41	26.21	26.74
26.16	26.34	26.52	25.23	25.41	26.19	26.55	26.26	23.03	17.2	14.3	14.79	15.92	19.17	19.52
21.23	21.36	21.5	20.54	20.67	21.26	21.51	21.3	18.89	14.53	12.36	12.72	13.57	16	16.27
33.56	34.8	35.16	34.62	34.05	33.26	32.92	32.18	30.91	30.69	30.6	28.72	27.08	28.09	28.07
43.8	45.88	46.46	45.56	44.62	43.32	42.75	41.5	39.42	39.03	38.89	35.77	33.05	34.73	34.69
50.56	53.58	54.41	53.11	51.75	49.88	49.04	47.23	44.21	43.65	43.44	38.92	34.97	37.42	37.36
45.06	63.47	60.93	56.21	52.71	51.34	49.01	45.1	41.39	42.23	45.56	46.02	43.16	40.19	38.14

120	121	122	123	124	125	126	127	128	129	130	131	132	133	134
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.4	38.2	39.9	39.8	36.1	42.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	44.1	50.9	51.1	52.6	50.5	53.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	34.6	56.6	57.8	56.7	58.3	65.2	62.0
0.0	0.0	0.0	0.0	0.0	0.0	0.2	27.3	57.8	67.0	71.6	73.6	74.2	70.5	70.2
0.0	0.0	0.0	0.0	0.0	0.0	14.3	48.6	62.7	68.5	73.8	79.1	71.0	69.0	69.8
0.0	0.0	0.0	0.0	0.0	0.0	21.6	57.0	69.6	75.6	79.3	81.1	78.5	77.6	76.6
0.0	0.0	0.0	0.0	0.0	0.0	16.4	55.3	72.0	78.2	80.5	82.0	77.0	77.4	77.2
0.0	0.0	0.0	0.0	0.0	0.0	1.0	36.1	69.0	71.3	75.3	79.5	76.0	76.3	73.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.6	56.2	68.3	69.3	70.0	71.0	70.2	71.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	38.0	56.0	60.7	59.0	56.9	57.5	60.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.7	45.2	45.3	44.7	42.0	41.0	46.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	23.9	32.1	33.5	35.6	34.9	39.4

135	136	137	138	139	140	141	142	143	144	145	146	147	148	149
28.9	27.23	29.79	29.55	30.03	33.46	37.14	38.63	39.95	41.9	65.31	62.07	56.08	51.63	49.89
36.81	35.64	37.45	37.28	37.61	40.03	42.64	43.69	44.62	46.01	62.54	60.25	56.02	52.87	51.64
40.24	42.3	44.06	43.18	42.02	41.85	42.53	42.05	41.73	42.09	40.79	41.42	40.85	40.54	40.71
41.56	44.31	46.66	45.5	43.94	43.71	44.63	43.98	43.54	44.04	42.3	43.15	42.36	41.96	42.18
33.97	35.64	37.06	36.35	35.41	35.26	35.82	35.43	35.17	35.47	34.41	34.93	34.45	34.21	34.34
28.33	30.33	31.67	33.24	33.56	31.75	32.5	33.52	34.51	36.56	36.82	37.08	35.18	35.44	36.6
20.6	21.95	22.85	23.92	24.14	22.91	23.42	24.11	24.78	26.16	26.34	26.52	25.23	25.41	26.19
17.07	18.08	18.76	19.55	19.72	18.8	19.18	19.7	20.2	21.23	21.36	21.5	20.54	20.67	21.26
27.61	27.06	26.34	27.08	27.37	28.75	30.1	30.78	30.76	33.56	34.8	35.16	34.62	34.05	33.26
33.93	33.03	31.82	33.06	33.53	35.82	38.05	39.19	39.16	43.8	45.88	46.46	45.56	44.62	43.32
36.24	34.94	33.19	34.98	35.66	38.99	42.23	43.87	43.83	50.56	53.58	54.41	53.11	51.75	49.88
34.82	33.51	35.53	35.34	35.71	38.41	41.31	42.48	43.52	45.06	63.47	60.93	56.21	52.71	51.34

135	136	137	138	139	140	141	142	143	144	145	146	147	148	149
40.0	31.5	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54.2	52.4	24.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65.2	60.7	50.1	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65.3	58.3	52.8	24.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66.5	60.9	56.3	38.6	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.4	69.0	62.4	49.1	16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.6	69.7	63.0	51.0	17.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69.3	69.3	66.4	39.7	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70.9	66.7	52.1	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56.8	50.3	17.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49.3	31.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36.4	20.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

150	151	152	153	154	155	156	157	158
46.93	41.95	37.25	38.31	42.55	43.13	39.49	35.72	33.12
49.55	46.04	42.72	43.46	46.46	46.87	44.3	41.64	39.8
40.38	37.31	32.96	32.82	33.06	33.75	36.57	37.59	39.06
41.74	37.63	31.8	31.62	31.94	32.87	36.63	38.01	39.97
34.08	31.59	28.05	27.95	28.14	28.7	30.98	31.82	33.01
37.11	36.7	31.93	23.3	19.02	19.74	21.41	26.21	26.74
26.55	26.26	23.03	17.2	14.3	14.79	15.92	19.17	19.52
21.51	21.3	18.89	14.53	12.36	12.72	13.57	16	16.27
32.92	32.18	30.91	30.69	30.6	28.72	27.08	28.09	28.07
42.75	41.5	39.42	39.03	38.89	35.77	33.05	34.73	34.69
49.04	47.23	44.21	43.65	43.44	38.92	34.97	37.42	37.36
49.01	45.1	41.39	42.23	45.56	46.02	43.16	40.19	38.14

150	151	152	153	154	155	156	157	158
0.0	0.0	0.0	24.4	38.2	39.9	39.8	36.1	42.4
0.0	0.0	8.0	44.1	50.9	51.1	52.6	50.5	53.3
0.0	2.9	34.6	56.6	57.8	56.7	58.3	65.2	62.0
0.2	27.3	57.8	67.0	71.6	73.6	74.2	70.5	70.2
14.3	48.6	62.7	68.5	73.8	79.1	71.0	69.0	69.8
21.6	57.0	69.6	75.6	79.3	81.1	78.5	77.6	76.6
16.4	55.3	72.0	78.2	80.5	82.0	77.0	77.4	77.2
1.0	36.1	69.0	71.3	75.3	79.5	76.0	76.3	73.3
0.0	20.6	56.2	68.3	69.3	70.0	71.0	70.2	71.0
0.0	2.4	38.0	56.0	60.7	59.0	56.9	57.5	60.9
0.0	0.0	15.7	45.2	45.3	44.7	42.0	41.0	46.4
0.0	0.0	0.2	23.9	32.1	33.5	35.6	34.9	39.4

159	160	161	162	163	164	165	166	167	168
28.9	27.23	29.79	29.55	30.03	33.46	37.14	38.63	39.95	41.9
36.81	35.64	37.45	37.28	37.61	40.03	42.64	43.69	44.62	46.01
40.24	42.3	44.06	43.18	42.02	41.85	42.53	42.05	41.73	42.09
41.56	44.31	46.66	45.5	43.94	43.71	44.63	43.98	43.54	44.04
33.97	35.64	37.06	36.35	35.41	35.26	35.82	35.43	35.17	35.47
28.33	30.33	31.67	33.24	33.56	31.75	32.5	33.52	34.51	36.56
20.6	21.95	22.85	23.92	24.14	22.91	23.42	24.11	24.78	26.16
17.07	18.08	18.76	19.55	19.72	18.8	19.18	19.7	20.2	21.23
27.61	27.06	26.34	27.08	27.37	28.75	30.1	30.78	30.76	33.56
33.93	33.03	31.82	33.06	33.53	35.82	38.05	39.19	39.16	43.8
36.24	34.94	33.19	34.98	35.66	38.99	42.23	43.87	43.83	50.56
34.82	33.51	35.53	35.34	35.71	38.41	41.31	42.48	43.52	45.06

159	160	161	162	163	164	165	166	167	168
40.0	31.5	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54.2	52.4	24.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
65.2	60.7	50.1	10.9	0.0	0.0	0.0	0.0	0.0	0.0
65.3	58.3	52.8	24.3	0.0	0.0	0.0	0.0	0.0	0.0
66.5	60.9	56.3	38.6	6.3	0.0	0.0	0.0	0.0	0.0
72.4	69.0	62.4	49.1	16.3	0.0	0.0	0.0	0.0	0.0
72.6	69.7	63.0	51.0	17.9	0.0	0.0	0.0	0.0	0.0
69.3	69.3	66.4	39.7	4.0	0.0	0.0	0.0	0.0	0.0
70.9	66.7	52.1	12.5	0.0	0.0	0.0	0.0	0.0	0.0
56.8	50.3	17.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49.3	31.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36.4	20.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

New Resources Peak Credit

Peak Credit (Generic Resources)		
	Summer	Winter
Solar	See Vector	6.6%
Wind	16%	25%
Storage (3 hr.)	84%	50%
Storage (4 hr.)	See Vector	See Vector
Natural Gas	97%	97%

Solar Summer Peak Credit			
	Reference	AER / EWD	SQE
2021	50%	50%	50%
2022	50%	50%	50%
2023	50%	50%	50%
2024	47.92%	47.08%	48.33%
2025	45.83%	44.17%	46.67%
2026	43.75%	41.25%	45.00%
2027	41.67%	38.33%	43.33%
2028	39.58%	35.42%	41.67%
2029	37.50%	32.50%	40.00%
2030	35.42%	29.58%	38.33%
2031	33.33%	26.67%	36.67%
2032	31.25%	23.75%	35.00%
2033	29.17%	20.83%	33.33%
2034	27.08%	17.92%	31.67%
2035	25%	15%	30%
2036	25%	15%	30%
2037	25%	15%	30%
2038	25%	15%	30%
2039	25%	15%	30%
2040	25%	15%	30%

Storage Peak Credit		
	Reference / SQE	AER / EWD
2021	90%	90%
2022	89%	89%
2023	88%	87%
2024	87%	86%
2025	86%	85%
2026	85%	83%
2027	84%	82%
2028	83%	81%
2029	82%	79%
2030	81%	78%
2031	79%	77%
2032	78%	76%
2033	77%	74%
2034	76%	73%
2035	75%	72%
2036	74%	70%
2037	73%	69%
2038	72%	68%
2039	71%	66%
2040	70%	65%

Utility-Owned DER Tranches

Note: 2025 Projects

Deferral Cost Bucket	Resource	Battery Storage MW	Solar MW	Battery Storage MW (grossed up for 5% line losses)	Solar MW (grossed up for 5% line losses)	NPV of Avoided Investment (2025$/kW)	Capital Cost (S+S with Dist. Premium and Avoided Cost Offset) 2025$/kW)	S+S FOM (2025$/kW-yr)	Winter Peak UCAP MW
High	Solar + Battery	7.00	2.70	7.35	2.84	[redacted]	[redacted]	39.7	7.317
Mid	Solar + Battery	7.00	9.10	7.35	9.56	[redacted]	[redacted]	30.1	7.760
Low	Solar + Battery	2.00	2.70	2.10	2.84	[redacted]	[redacted]	29.8	2.224

Summer Peak

2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
8.429	8.370	8.311	8.252	8.193	8.134	8.075	8.015	7.956	7.897	7.838	7.838	7.838	7.838	7.838	7.838	7.838	7.838	7.838	7.838	7.838	7.838	7.838	7.838	7.838	7.838
11.509	11.310	11.111	10.912	10.713	10.514	10.315	10.115	9.916	9.717	9.518	9.518	9.518	9.518	9.518	9.518	9.518	9.518	9.518	9.518	9.518	9.518	9.518	9.518	9.518	9.518
3.336	3.277	3.218	3.159	3.100	3.041	2.982	2.923	2.864	2.805	2.746	2.746	2.746	2.746	2.746	2.746	2.746	2.746	2.746	2.746	2.746	2.746	2.746	2.746	2.746	2.746

DSM Plan for 2021-2023

Note: Included in all IRP analysis for all portfolios

	DSM/EE							
	Residential				C&I			
	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	Total Program Costs ($)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	Total Program Costs ($)
2021	50,917	9.74	8.42	$9,809,953	88,000	19.31	12.48	$11,057,675
2022	87,312	28.14	14.31	$9,719,436	177,818	38.68	24.68	$14,215,858
2023	122,719	46.56	20.30	$9,952,020	271,572	58.37	37.53	$14,978,754
2024	111,066	43.62	20.22		271,559	58.37	37.42	
2025	111,043	43.61	20.27		271,059	58.24	37.50	
2026	110,709	43.58	20.26		265,509	57.22	36.95	
2027	110,314	43.53	20.25		259,797	56.27	36.33	
2028	110,310	43.53	20.19		250,090	54.94	35.13	
2029	110,310	43.53	20.25		238,924	53.77	33.57	
2030	110,270	43.53	20.25		231,742	52.95	32.42	
2031	107,271	43.33	19.76		224,046	51.99	31.26	
2032	104,017	43.10	19.19		222,023	51.74	30.99	
2033	99,096	42.64	18.46		210,971	49.56	30.16	
2034	97,267	42.37	18.20		201,128	47.51	29.17	
2035	87,142	40.74	16.62		191,141	45.43	27.76	
2036	44,365	33.66	7.87		130,046	30.29	18.64	
2037	25,199	17.92	4.32		68,475	15.82	9.66	
2038	7,672	2.65	1.08		5,919	1.10	0.44	
2039	6,388	2.24	0.89		5,248	1.01	0.35	
2040	5,374	1.81	0.76		5,045	0.96	0.34	
2041	4,969	1.40	0.75		3,506	0.69	0.23	
2042	2,631	0.72	0.39		1,867	0.36	0.13	
2043	285	0.03	0.04		202	0.03	0.02	
2044	285	0.03	0.04		202	0.03	0.02	
2045	285	0.03	0.04		195	0.02	0.02	
2046	193	0.02	0.03		187	0.02	0.02	
2047	97	0.01	0.01		187	0.02	0.02	
2048	0	0.00	0.00		187	0.02	0.02	

Representative shape for a single year

	DSM/EE	
	Residential	C&I
Hour	Energy Savings (MWh)	Energy Savings (MWh)
1	8.66493E-05	6.17381E-05
2	7.60464E-05	6.20506E-05
3	7.18846E-05	6.21321E-05
4	7.21159E-05	6.29689E-05
5	7.86164E-05	6.42485E-05
6	8.88295E-05	4.97488E-05
7	0.000101364	0.000140102
8	0.000102885	0.000124961
9	0.000104774	0.000125215
10	0.000106505	0.000125027
11	0.000107588	0.000124742
12	0.000103901	0.000109609
13	0.00010237	0.000109378
14	9.88255E-05	0.000108914
15	9.87081E-05	0.000123017
16	0.000104418	0.000122158
17	0.000112944	0.00012155
18	0.000134472	0.000121096
19	0.000166054	9.1072E-05
20	0.000179968	7.73487E-05
21	0.000178326	6.19653E-05
22	0.000166168	6.29066E-05
23	0.000142382	6.24055E-05
24	0.000114792	6.22518E-05
25	8.66493E-05	6.17381E-05
26	7.60464E-05	6.20506E-05
27	7.18846E-05	6.21321E-05
28	7.21159E-05	6.29689E-05
29	7.86164E-05	6.42485E-05
30	8.88295E-05	4.97488E-05
31	0.000101364	0.000140102
32	0.000102885	0.000124961
33	0.000104774	0.000125215
34	0.000106505	0.000125027
35	0.000107588	0.000124742
36	0.000103901	0.000109609
37	0.00010237	0.000109378
38	9.88255E-05	0.000108914
39	9.87081E-05	0.000123017
40	0.000104418	0.000122158
41	0.000112944	0.00012155
42	0.000134472	0.000121096
43	0.000166054	9.1072E-05
44	0.000179968	7.73487E-05
45	0.000178326	6.19653E-05
46	0.000166168	6.29066E-05
47	0.000142382	6.24055E-05
48	0.000114792	6.22518E-05
49	8.66493E-05	6.17381E-05
50	7.60464E-05	6.20506E-05
51	7.18846E-05	6.21321E-05
52	7.21159E-05	6.29689E-05

53	7.86164E-05	6.42485E-05
54	8.88295E-05	4.97488E-05
55	0.000101364	0.000140102
56	0.000102885	0.000124961
57	0.000104774	0.000125215
58	0.000106505	0.000125027
59	0.000107588	0.000124742
60	0.000103901	0.000109609
61	0.00010237	0.000109378
62	9.88255E-05	0.000108914
63	9.87081E-05	0.000123017
64	0.000104418	0.000122158
65	0.000112944	0.00012155
66	0.000134472	0.000121096
67	0.000166054	9.1072E-05
68	0.000179968	7.73487E-05
69	0.000178326	6.19653E-05
70	0.000166168	6.29066E-05
71	0.000142382	6.24055E-05
72	0.000114792	6.22518E-05
73	8.69569E-05	6.21275E-05
74	7.57472E-05	6.18902E-05
75	7.16395E-05	6.20109E-05
76	7.17803E-05	6.27968E-05
77	7.82275E-05	6.40188E-05
78	8.84638E-05	4.9492E-05
79	9.93661E-05	0.000139762
80	0.000102414	0.000124552
81	0.000104282	0.000124778
82	0.000106076	0.000124631
83	0.000107214	0.000124286
84	0.000103524	0.000109195
85	0.000101974	0.000108973
86	9.84702E-05	0.000108516
87	9.83154E-05	0.000122642
88	0.000103998	0.000121857
89	0.000112449	0.000121298
90	0.000133893	0.000120854
91	0.000165433	9.08361E-05
92	0.000179366	7.71178E-05
93	0.000179442	6.17378E-05
94	0.00016576	6.26946E-05
95	0.000142008	6.2238E-05
96	0.000114506	6.21609E-05
97	8.69569E-05	6.21275E-05
98	7.57472E-05	6.18902E-05
99	7.16395E-05	6.20109E-05
100	7.17803E-05	6.27968E-05
101	7.82275E-05	6.40188E-05
102	8.84638E-05	4.9492E-05
103	9.93661E-05	0.000139762
104	0.000102414	0.000124552
105	0.000104282	0.000124778
106	0.000106076	0.000124631
107	0.000107214	0.000124286
108	0.000103524	0.000109195
109	0.000101974	0.000108973
110	9.84702E-05	0.000108516
111	9.83154E-05	0.000122642
112	0.000103998	0.000121857
113	0.000112449	0.000121298
114	0.000133893	0.000120854
115	0.000165433	9.08361E-05

116	0.000179366	7.71178E-05
117	0.000179442	6.17378E-05
118	0.00016576	6.26946E-05
119	0.000142008	6.2238E-05
120	0.000114506	6.21609E-05
121	8.69569E-05	6.21275E-05
122	7.57472E-05	6.18902E-05
123	7.16395E-05	6.20109E-05
124	7.17803E-05	6.27968E-05
125	7.82275E-05	6.40188E-05
126	8.84638E-05	4.9492E-05
127	9.93661E-05	0.000139762
128	0.000102414	0.000124552
129	0.000104282	0.000124778
130	0.000106076	0.000124631
131	0.000107214	0.000124286
132	0.000103524	0.000109195
133	0.000101974	0.000108973
134	9.84702E-05	0.000108516
135	9.83154E-05	0.000122642
136	0.000103998	0.000121857
137	0.000112449	0.000121298
138	0.000133893	0.000120854
139	0.000165433	9.08361E-05
140	0.000179366	7.71178E-05
141	0.000179442	6.17378E-05
142	0.00016576	6.26946E-05
143	0.000142008	6.2238E-05
144	0.000114506	6.21609E-05
145	8.69569E-05	6.21275E-05
146	7.57472E-05	6.18902E-05
147	7.16395E-05	6.20109E-05
148	7.17803E-05	6.27968E-05
149	7.82275E-05	6.40188E-05
150	8.84638E-05	4.9492E-05
151	9.93661E-05	0.000139762
152	0.000102414	0.000124552
153	0.000104282	0.000124778
154	0.000106076	0.000124631
155	0.000107214	0.000124286
156	0.000103524	0.000109195
157	0.000101974	0.000108973
158	9.84702E-05	0.000108516
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167	0.000142008	6.2238E-05
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170	7.57472E-05	6.18902E-05
171	7.16395E-05	6.20109E-05
172	7.17803E-05	6.27968E-05
173	7.82275E-05	6.40188E-05
174	8.84638E-05	4.9492E-05
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195	7.18846E-05	6.21321E-05
196	7.21159E-05	6.29689E-05
197	7.86164E-05	6.42485E-05
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643	0.000165433	9.08361E-05
644	0.000179366	7.71178E-05
645	0.000179442	6.17378E-05
646	0.00016576	6.26946E-05
647	0.000142008	6.2238E-05
648	0.000114506	6.21609E-05
649	8.69569E-05	6.21275E-05
650	7.57472E-05	6.18902E-05
651	7.16395E-05	6.20109E-05
652	7.17803E-05	6.27968E-05
653	7.82275E-05	6.40188E-05
654	8.84638E-05	4.9492E-05
655	9.93661E-05	0.000139762
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657	0.000104282	0.000124778
658	0.000106076	0.000124631
659	0.000107214	0.000124286
660	0.000103524	0.000109195
661	0.000101974	0.000108973
662	9.84702E-05	0.000108516
663	9.83154E-05	0.000122642
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666	0.000133893	0.000120854
667	0.000165433	9.08361E-05
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672	0.000114506	6.21609E-05
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675	7.16395E-05	6.20109E-05
676	7.17803E-05	6.27968E-05
677	7.82275E-05	6.40188E-05
678	8.84638E-05	4.9492E-05
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681	0.000104282	0.000124778
682	0.000106076	0.000124631

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684	0.000103524	0.000109195
685	0.000101974	0.000108973
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687	9.83154E-05	0.000122642
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690	0.000133893	0.000120854
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694	0.00016576	6.26946E-05
695	0.000142008	6.2238E-05
696	0.000114506	6.21609E-05
697	8.66493E-05	6.17381E-05
698	7.60464E-05	6.20506E-05
699	7.18846E-05	6.21321E-05
700	7.21159E-05	6.29689E-05
701	7.86164E-05	6.42485E-05
702	8.88295E-05	4.97488E-05
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705	0.000104774	0.000125215
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707	0.000107588	0.000124742
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714	0.000134472	0.000121096
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749	7.46672E-05	6.58467E-05
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756	9.87766E-05	0.000112951
757	9.72134E-05	0.000112829
758	9.32726E-05	0.000112089
759	9.26218E-05	0.000125547
760	9.74047E-05	0.000123891
761	0.000105291	0.000122532
762	0.000127711	0.00012172
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764	0.000174559	7.79668E-05
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783	9.26218E-05	0.000125547
784	9.74047E-05	0.000123891
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786	0.000127711	0.00012172
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788	0.000174559	7.79668E-05
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805	9.72134E-05	0.000112829
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807	9.26218E-05	0.000125547
808	9.74047E-05	0.000123891

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831	9.26218E-05	0.000125547
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833	0.000105291	0.000122532
834	0.000127711	0.00012172
835	0.00016041	9.16645E-05
836	0.000174559	7.79668E-05
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839	0.000138027	6.26004E-05
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843	6.75835E-05	6.29251E-05
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845	7.46672E-05	6.58467E-05
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855	9.26218E-05	0.000125547
856	9.74047E-05	0.000123891
857	0.000105291	0.000122532
858	0.000127711	0.00012172
859	0.00016041	9.16645E-05
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862	0.000161383	6.33772E-05
863	0.000138027	6.26004E-05
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866	7.20971E-05	6.24579E-05
867	6.79093E-05	6.29995E-05
868	6.81476E-05	6.39804E-05
869	7.51108E-05	6.60074E-05
870	8.57152E-05	5.17585E-05
871	9.78282E-05	0.000141933

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876	9.89763E-05	0.000113391
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878	9.34637E-05	0.000112469
879	9.28459E-05	0.000125843
880	9.76981E-05	0.000124101
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885	0.000173592	6.26538E-05
886	0.000161796	6.34544E-05
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914	7.17644E-05	6.24237E-05
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917	7.46672E-05	6.58467E-05
918	8.51891E-05	5.15374E-05
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925	9.72134E-05	0.000112829
926	9.32726E-05	0.000112089
927	9.26218E-05	0.000125547
928	9.74047E-05	0.000123891
929	0.000105291	0.000122532
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931	0.00016041	9.16645E-05
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941	7.46672E-05	6.58467E-05
942	8.51891E-05	5.15374E-05
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966	8.51891E-05	5.15374E-05
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984	0.000110929	6.21712E-05
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989	7.46672E-05	6.58467E-05
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1013	7.46672E-05	6.58467E-05
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1045	9.74309E-05	0.000113255
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1047	9.28459E-05	0.000125843
1048	9.76981E-05	0.000124101
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1089	9.81598E-05	0.000127387
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1104	0.000111289	6.20836E-05
1105	8.25732E-05	6.2317E-05
1106	7.17644E-05	6.24237E-05
1107	6.75835E-05	6.29251E-05
1108	6.78327E-05	6.38893E-05
1109	7.46672E-05	6.58467E-05
1110	8.51891E-05	5.15374E-05
1111	9.56852E-05	0.000141688
1112	9.64453E-05	0.000126504
1113	9.78747E-05	0.000126975
1114	0.000100197	0.000127312
1115	0.000102559	0.000127544
1116	9.87766E-05	0.000112951
1117	9.72134E-05	0.000112829
1118	9.32726E-05	0.000112089
1119	9.26218E-05	0.000125547
1120	9.74047E-05	0.000123891
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1122	0.000127711	0.00012172
1123	0.00016041	9.16645E-05

1124	0.000174559	7.79668E-05
1125	0.000174735	6.25932E-05
1126	0.000161383	6.33772E-05
1127	0.000138027	6.26004E-05
1128	0.000110929	6.21712E-05
1129	8.25732E-05	6.2317E-05
1130	7.17644E-05	6.24237E-05
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1133	7.46672E-05	6.58467E-05
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1137	9.78747E-05	0.000126975
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1141	9.72134E-05	0.000112829
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1143	9.26218E-05	0.000125547
1144	9.74047E-05	0.000123891
1145	0.000105291	0.000122532
1146	0.000127711	0.00012172
1147	0.00016041	9.16645E-05
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1157	7.46672E-05	6.58467E-05
1158	8.51891E-05	5.15374E-05
1159	9.56852E-05	0.000141688
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1165	9.72134E-05	0.000112829
1166	9.32726E-05	0.000112089
1167	9.26218E-05	0.000125547
1168	9.74047E-05	0.000123891
1169	0.000105291	0.000122532
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1171	0.00016041	9.16645E-05
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1173	0.000174735	6.25932E-05
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1176	0.000110929	6.21712E-05
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1178	7.17644E-05	6.24237E-05
1179	6.75835E-05	6.29251E-05
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1181	7.46672E-05	6.58467E-05
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1185	9.78747E-05	0.000126975
1186	0.000100197	0.000127312

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1198	0.000161383	6.33772E-05
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1200	0.000110929	6.21712E-05
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1205	7.51108E-05	6.60074E-05
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1299	6.75835E-05	6.29251E-05
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1391	0.000138433	6.26111E-05
1392	0.000111289	6.20836E-05
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1394	7.20971E-05	6.24579E-05
1395	6.79093E-05	6.29995E-05
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1397	7.51108E-05	6.60074E-05
1398	8.57152E-05	5.17585E-05
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1438	3.75742E-05	1.55E-05

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1462	0.000151081	6.31298E-05
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1546	9.187E-05	0.000127274
1547	9.38521E-05	0.000127649
1548	9.05684E-05	0.000113074
1549	8.97832E-05	0.000113326
1550	8.58275E-05	0.000112937
1551	8.54822E-05	0.000126513
1552	8.97664E-05	0.000124618
1553	9.60101E-05	0.000122765
1554	0.000116455	0.00012166
1555	0.000148361	9.15472E-05
1556	0.000163581	7.79335E-05
1557	0.000163001	6.24737E-05
1558	0.000151484	6.31147E-05
1559	0.000128781	6.23208E-05
1560	0.000101778	6.18773E-05
1561	7.46548E-05	6.19287E-05
1562	6.43176E-05	6.21128E-05
1563	6.08178E-05	6.28023E-05
1564	6.19107E-05	6.43281E-05

1565	6.91194E-05	6.63386E-05
1566	7.91786E-05	5.19406E-05
1567	9.00511E-05	0.000142164
1568	8.90452E-05	0.000126611
1569	8.95438E-05	0.000127059
1570	9.187E-05	0.000127274
1571	9.38521E-05	0.000127649
1572	9.05684E-05	0.000113074
1573	8.97832E-05	0.000113326
1574	8.58275E-05	0.000112937
1575	8.54822E-05	0.000126513
1576	8.97664E-05	0.000124618
1577	9.60101E-05	0.000122765
1578	0.000116455	0.00012166
1579	0.000148361	9.15472E-05
1580	0.000163581	7.79335E-05
1581	0.000163001	6.24737E-05
1582	0.000151484	6.31147E-05
1583	0.000128781	6.23208E-05
1584	0.000101778	6.18773E-05
1585	7.46783E-05	6.19696E-05
1586	6.41341E-05	6.21289E-05
1587	6.0627E-05	6.28011E-05
1588	6.1706E-05	6.43334E-05
1589	6.88833E-05	6.63463E-05
1590	7.89899E-05	5.19537E-05
1591	8.82403E-05	0.000142174
1592	8.87633E-05	0.000126621
1593	8.92159E-05	0.000127059
1594	9.15512E-05	0.000127269
1595	9.35765E-05	0.000127646
1596	9.03059E-05	0.000113072
1597	8.94872E-05	0.000113311
1598	8.55884E-05	0.000112907
1599	8.5288E-05	0.000126488
1600	8.95567E-05	0.000124608
1601	9.57737E-05	0.000122762
1602	0.000116202	0.000121659
1603	0.000148103	9.15475E-05
1604	0.000163277	7.79361E-05
1605	0.000164228	6.24818E-05
1606	0.000151081	6.31298E-05
1607	0.000128299	6.23392E-05
1608	0.000101531	6.19433E-05
1609	7.46783E-05	6.19696E-05
1610	6.41341E-05	6.21289E-05
1611	6.0627E-05	6.28011E-05
1612	6.1706E-05	6.43334E-05
1613	6.88833E-05	6.63463E-05
1614	7.89899E-05	5.19537E-05
1615	8.82403E-05	0.000142174
1616	8.87633E-05	0.000126621
1617	8.92159E-05	0.000127059
1618	9.15512E-05	0.000127269
1619	9.35765E-05	0.000127646
1620	9.03059E-05	0.000113072
1621	8.94872E-05	0.000113311
1622	8.55884E-05	0.000112907
1623	8.5288E-05	0.000126488
1624	8.95567E-05	0.000124608
1625	9.57737E-05	0.000122762
1626	0.000116202	0.000121659
1627	0.000148103	9.15475E-05

1628	0.000163277	7.79361E-05
1629	0.000164228	6.24818E-05
1630	0.000151081	6.31298E-05
1631	0.000128299	6.23392E-05
1632	0.000101531	6.19433E-05
1633	7.46783E-05	6.19696E-05
1634	6.41341E-05	6.21289E-05
1635	6.0627E-05	6.28011E-05
1636	6.1706E-05	6.43334E-05
1637	6.88833E-05	6.63463E-05
1638	7.89899E-05	5.19537E-05
1639	8.82403E-05	0.000142174
1640	8.87633E-05	0.000126621
1641	8.92159E-05	0.000127059
1642	9.15512E-05	0.000127269
1643	9.35765E-05	0.000127646
1644	9.03059E-05	0.000113072
1645	8.94872E-05	0.000113311
1646	8.55884E-05	0.000112907
1647	8.5288E-05	0.000126488
1648	8.95567E-05	0.000124608
1649	9.57737E-05	0.000122762
1650	0.000116202	0.000121659
1651	0.000148103	9.15475E-05
1652	0.000163277	7.79361E-05
1653	0.000164228	6.24818E-05
1654	0.000151081	6.31298E-05
1655	0.000128299	6.23392E-05
1656	0.000101531	6.19433E-05
1657	7.46783E-05	6.19696E-05
1658	6.41341E-05	6.21289E-05
1659	6.0627E-05	6.28011E-05
1660	6.1706E-05	6.43334E-05
1661	6.88833E-05	6.63463E-05
1662	7.89899E-05	5.19537E-05
1663	8.82403E-05	0.000142174
1664	8.87633E-05	0.000126621
1665	8.92159E-05	0.000127059
1666	9.15512E-05	0.000127269
1667	9.35765E-05	0.000127646
1668	9.03059E-05	0.000113072
1669	8.94872E-05	0.000113311
1670	8.55884E-05	0.000112907
1671	8.5288E-05	0.000126488
1672	8.95567E-05	0.000124608
1673	9.57737E-05	0.000122762
1674	0.000116202	0.000121659
1675	0.000148103	9.15475E-05
1676	0.000163277	7.79361E-05
1677	0.000164228	6.24818E-05
1678	0.000151081	6.31298E-05
1679	0.000128299	6.23392E-05
1680	0.000101531	6.19433E-05
1681	7.46783E-05	6.19696E-05
1682	6.41341E-05	6.21289E-05
1683	6.0627E-05	6.28011E-05
1684	6.1706E-05	6.43334E-05
1685	6.88833E-05	6.63463E-05
1686	7.89899E-05	5.19537E-05
1687	8.82403E-05	0.000142174
1688	8.87633E-05	0.000126621
1689	8.92159E-05	0.000127059
1690	9.15512E-05	0.000127269

1691	9.35765E-05	0.000127646
1692	9.03059E-05	0.000113072
1693	8.94872E-05	0.000113311
1694	8.55884E-05	0.000112907
1695	8.5288E-05	0.000126488
1696	8.95567E-05	0.000124608
1697	9.57737E-05	0.000122762
1698	0.000116202	0.000121659
1699	0.000148103	9.15475E-05
1700	0.000163277	7.79361E-05
1701	0.000164228	6.24818E-05
1702	0.000151081	6.31298E-05
1703	0.000128299	6.23392E-05
1704	0.000101531	6.19433E-05
1705	7.46548E-05	6.19287E-05
1706	6.43176E-05	6.21128E-05
1707	6.08178E-05	6.28023E-05
1708	6.19107E-05	6.43281E-05
1709	6.91194E-05	6.63386E-05
1710	7.91786E-05	5.19406E-05
1711	9.00511E-05	0.000142164
1712	8.90452E-05	0.000126611
1713	8.95438E-05	0.000127059
1714	9.187E-05	0.000127274
1715	9.38521E-05	0.000127649
1716	9.05684E-05	0.000113074
1717	8.97832E-05	0.000113326
1718	8.58275E-05	0.000112937
1719	8.54822E-05	0.000126513
1720	8.97664E-05	0.000124618
1721	9.60101E-05	0.000122765
1722	0.000116455	0.00012166
1723	0.000148361	9.15472E-05
1724	0.000163581	7.79335E-05
1725	0.000163001	6.24737E-05
1726	0.000151484	6.31147E-05
1727	0.000128781	6.23208E-05
1728	0.000101778	6.18773E-05
1729	7.46548E-05	6.19287E-05
1730	6.43176E-05	6.21128E-05
1731	6.08178E-05	6.28023E-05
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1733	6.91194E-05	6.63386E-05
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1743	8.54822E-05	0.000126513
1744	8.97664E-05	0.000124618
1745	9.60101E-05	0.000122765
1746	0.000116455	0.00012166
1747	0.000148361	9.15472E-05
1748	0.000163581	7.79335E-05
1749	0.000163001	6.24737E-05
1750	0.000151484	6.31147E-05
1751	0.000128781	6.23208E-05
1752	0.000101778	6.18773E-05
1753	7.46783E-05	6.19696E-05

1754	6.41341E-05	6.21289E-05
1755	6.0627E-05	6.28011E-05
1756	6.1706E-05	6.43334E-05
1757	6.88833E-05	6.63463E-05
1758	7.89899E-05	5.19537E-05
1759	8.82403E-05	0.000142174
1760	8.87633E-05	0.000126621
1761	8.92159E-05	0.000127059
1762	9.15512E-05	0.000127269
1763	9.35765E-05	0.000127646
1764	9.03059E-05	0.000113072
1765	8.94872E-05	0.000113311
1766	8.55884E-05	0.000112907
1767	8.5288E-05	0.000126488
1768	8.95567E-05	0.000124608
1769	9.57737E-05	0.000122762
1770	0.000116202	0.000121659
1771	0.000148103	9.15475E-05
1772	0.000163277	7.79361E-05
1773	0.000164228	6.24818E-05
1774	0.000151081	6.31298E-05
1775	0.000128299	6.23392E-05
1776	0.000101531	6.19433E-05
1777	7.46783E-05	6.19696E-05
1778	6.41341E-05	6.21289E-05
1779	6.0627E-05	6.28011E-05
1780	6.1706E-05	6.43334E-05
1781	6.88833E-05	6.63463E-05
1782	7.89899E-05	5.19537E-05
1783	8.82403E-05	0.000142174
1784	8.87633E-05	0.000126621
1785	8.92159E-05	0.000127059
1786	9.15512E-05	0.000127269
1787	9.35765E-05	0.000127646
1788	9.03059E-05	0.000113072
1789	8.94872E-05	0.000113311
1790	8.55884E-05	0.000112907
1791	8.5288E-05	0.000126488
1792	8.95567E-05	0.000124608
1793	9.57737E-05	0.000122762
1794	0.000116202	0.000121659
1795	0.000148103	9.15475E-05
1796	0.000163277	7.79361E-05
1797	0.000164228	6.24818E-05
1798	0.000151081	6.31298E-05
1799	0.000128299	6.23392E-05
1800	0.000101531	6.19433E-05
1801	7.46783E-05	6.19696E-05
1802	6.41341E-05	6.21289E-05
1803	6.0627E-05	6.28011E-05
1804	6.1706E-05	6.43334E-05
1805	6.88833E-05	6.63463E-05
1806	7.89899E-05	5.19537E-05
1807	8.82403E-05	0.000142174
1808	8.87633E-05	0.000126621
1809	8.92159E-05	0.000127059
1810	9.15512E-05	0.000127269
1811	9.35765E-05	0.000127646
1812	9.03059E-05	0.000113072
1813	8.94872E-05	0.000113311
1814	8.55884E-05	0.000112907
1815	8.5288E-05	0.000126488
1816	8.95567E-05	0.000124608

1817	9.57737E-05	0.000122762
1818	0.000116202	0.000121659
1819	0.000148103	9.15475E-05
1820	0.000163277	7.79361E-05
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1822	0.000151081	6.31298E-05
1823	0.000128299	6.23392E-05
1824	0.000101531	6.19433E-05
1825	7.46783E-05	6.19696E-05
1826	6.41341E-05	6.21289E-05
1827	6.0627E-05	6.28011E-05
1828	6.1706E-05	6.43334E-05
1829	6.88833E-05	6.63463E-05
1830	7.89899E-05	5.19537E-05
1831	8.82403E-05	0.000142174
1832	8.87633E-05	0.000126621
1833	8.92159E-05	0.000127059
1834	9.15512E-05	0.000127269
1835	9.35765E-05	0.000127646
1836	9.03059E-05	0.000113072
1837	8.94872E-05	0.000113311
1838	8.55884E-05	0.000112907
1839	8.5288E-05	0.000126488
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1843	0.000148103	9.15475E-05
1844	0.000163277	7.79361E-05
1845	0.000164228	6.24818E-05
1846	0.000151081	6.31298E-05
1847	0.000128299	6.23392E-05
1848	0.000101531	6.19433E-05
1849	7.46783E-05	6.19696E-05
1850	6.41341E-05	6.21289E-05
1851	6.0627E-05	6.28011E-05
1852	6.1706E-05	6.43334E-05
1853	6.88833E-05	6.63463E-05
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1856	8.87633E-05	0.000126621
1857	8.92159E-05	0.000127059
1858	9.15512E-05	0.000127269
1859	9.35765E-05	0.000127646
1860	9.03059E-05	0.000113072
1861	8.94872E-05	0.000113311
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1863	8.5288E-05	0.000126488
1864	8.95567E-05	0.000124608
1865	9.57737E-05	0.000122762
1866	0.000116202	0.000121659
1867	0.000148103	9.15475E-05
1868	0.000163277	7.79361E-05
1869	0.000164228	6.24818E-05
1870	0.000151081	6.31298E-05
1871	0.000128299	6.23392E-05
1872	0.000101531	6.19433E-05
1873	7.46548E-05	6.19287E-05
1874	6.43176E-05	6.21128E-05
1875	6.08178E-05	6.28023E-05
1876	6.19107E-05	6.43281E-05
1877	6.91194E-05	6.63386E-05
1878	7.91786E-05	5.19406E-05
1879	9.00511E-05	0.000142164

1880	8.90452E-05	0.000126611
1881	8.95438E-05	0.000127059
1882	9.187E-05	0.000127274
1883	9.38521E-05	0.000127649
1884	9.05684E-05	0.000113074
1885	8.97832E-05	0.000113326
1886	8.58275E-05	0.000112937
1887	8.54822E-05	0.000126513
1888	8.97664E-05	0.000124618
1889	9.60101E-05	0.000122765
1890	0.000116455	0.00012166
1891	0.000148361	9.15472E-05
1892	0.000163581	7.79335E-05
1893	0.000163001	6.24737E-05
1894	0.000151484	6.31147E-05
1895	0.000128781	6.23208E-05
1896	0.000101778	6.18773E-05
1897	7.46548E-05	6.19287E-05
1898	6.43176E-05	6.21128E-05
1899	6.08178E-05	6.28023E-05
1900	6.19107E-05	6.43281E-05
1901	6.91194E-05	6.63386E-05
1902	7.91786E-05	5.19406E-05
1903	9.00511E-05	0.000142164
1904	8.90452E-05	0.000126611
1905	8.95438E-05	0.000127059
1906	9.187E-05	0.000127274
1907	9.38521E-05	0.000127649
1908	9.05684E-05	0.000113074
1909	8.97832E-05	0.000113326
1910	8.58275E-05	0.000112937
1911	8.54822E-05	0.000126513
1912	8.97664E-05	0.000124618
1913	9.60101E-05	0.000122765
1914	0.000116455	0.00012166
1915	0.000148361	9.15472E-05
1916	0.000163581	7.79335E-05
1917	0.000163001	6.24737E-05
1918	0.000151484	6.31147E-05
1919	0.000128781	6.23208E-05
1920	0.000101778	6.18773E-05
1921	7.46783E-05	6.19696E-05
1922	6.41341E-05	6.21289E-05
1923	6.0627E-05	6.28011E-05
1924	6.1706E-05	6.43334E-05
1925	6.88833E-05	6.63463E-05
1926	7.89899E-05	5.19537E-05
1927	8.82403E-05	0.000142174
1928	8.87633E-05	0.000126621
1929	8.92159E-05	0.000127059
1930	9.15512E-05	0.000127269
1931	9.35765E-05	0.000127646
1932	9.03059E-05	0.000113072
1933	8.94872E-05	0.000113311
1934	8.55884E-05	0.000112907
1935	8.5288E-05	0.000126488
1936	8.95567E-05	0.000124608
1937	9.57737E-05	0.000122762
1938	0.000116202	0.000121659
1939	0.000148103	9.15475E-05
1940	0.000163277	7.79361E-05
1941	0.000164228	6.24818E-05
1942	0.000151081	6.31298E-05

1943	0.000128299	6.23392E-05
1944	0.000101531	6.19433E-05
1945	7.46783E-05	6.19696E-05
1946	6.41341E-05	6.21289E-05
1947	6.0627E-05	6.28011E-05
1948	6.1706E-05	6.43334E-05
1949	6.88833E-05	6.63463E-05
1950	7.89899E-05	5.19537E-05
1951	8.82403E-05	0.000142174
1952	8.87633E-05	0.000126621
1953	8.92159E-05	0.000127059
1954	9.15512E-05	0.000127269
1955	9.35765E-05	0.000127646
1956	9.03059E-05	0.000113072
1957	8.94872E-05	0.000113311
1958	8.55884E-05	0.000112907
1959	8.5288E-05	0.000126488
1960	8.95567E-05	0.000124608
1961	9.57737E-05	0.000122762
1962	0.000116202	0.000121659
1963	0.000148103	9.15475E-05
1964	0.000163277	7.79361E-05
1965	0.000164228	6.24818E-05
1966	0.000151081	6.31298E-05
1967	0.000128299	6.23392E-05
1968	0.000101531	6.19433E-05
1969	7.46783E-05	6.19696E-05
1970	6.41341E-05	6.21289E-05
1971	6.0627E-05	6.28011E-05
1972	6.1706E-05	6.43334E-05
1973	6.88833E-05	6.63463E-05
1974	7.89899E-05	5.19537E-05
1975	8.82403E-05	0.000142174
1976	8.87633E-05	0.000126621
1977	8.92159E-05	0.000127059
1978	9.15512E-05	0.000127269
1979	9.35765E-05	0.000127646
1980	9.03059E-05	0.000113072
1981	8.94872E-05	0.000113311
1982	8.55884E-05	0.000112907
1983	8.5288E-05	0.000126488
1984	8.95567E-05	0.000124608
1985	9.57737E-05	0.000122762
1986	0.000116202	0.000121659
1987	0.000148103	9.15475E-05
1988	0.000163277	7.79361E-05
1989	0.000164228	6.24818E-05
1990	0.000151081	6.31298E-05
1991	0.000128299	6.23392E-05
1992	0.000101531	6.19433E-05
1993	7.46783E-05	6.19696E-05
1994	6.41341E-05	6.21289E-05
1995	6.0627E-05	6.28011E-05
1996	6.1706E-05	6.43334E-05
1997	6.88833E-05	6.63463E-05
1998	7.89899E-05	5.19537E-05
1999	8.82403E-05	0.000142174
2000	8.87633E-05	0.000126621
2001	8.92159E-05	0.000127059
2002	9.15512E-05	0.000127269
2003	9.35765E-05	0.000127646
2004	9.03059E-05	0.000113072
2005	8.94872E-05	0.000113311

2006	8.55884E-05	0.000112907
2007	8.5288E-05	0.000126488
2008	8.95567E-05	0.000124608
2009	9.57737E-05	0.000122762
2010	0.000116202	0.000121659
2011	0.000148103	9.15475E-05
2012	0.000163277	7.79361E-05
2013	0.000164228	6.24818E-05
2014	0.000151081	6.31298E-05
2015	0.000128299	6.23392E-05
2016	0.000101531	6.19433E-05
2017	7.46783E-05	6.19696E-05
2018	6.41341E-05	6.21289E-05
2019	6.0627E-05	6.28011E-05
2020	6.1706E-05	6.43334E-05
2021	6.88833E-05	6.63463E-05
2022	7.89899E-05	5.19537E-05
2023	8.82403E-05	0.000142174
2024	8.87633E-05	0.000126621
2025	8.92159E-05	0.000127059
2026	9.15512E-05	0.000127269
2027	9.35765E-05	0.000127646
2028	9.03059E-05	0.000113072
2029	8.94872E-05	0.000113311
2030	8.55884E-05	0.000112907
2031	8.5288E-05	0.000126488
2032	8.95567E-05	0.000124608
2033	9.57737E-05	0.000122762
2034	0.000116202	0.000121659
2035	0.000148103	9.15475E-05
2036	0.000163277	7.79361E-05
2037	0.000164228	6.24818E-05
2038	0.000151081	6.31298E-05
2039	0.000128299	6.23392E-05
2040	0.000101531	6.19433E-05
2041	7.46548E-05	6.19287E-05
2042	6.43176E-05	6.21128E-05
2043	6.08178E-05	6.28023E-05
2044	6.19107E-05	6.43281E-05
2045	6.91194E-05	6.63386E-05
2046	7.91786E-05	5.19406E-05
2047	9.00511E-05	0.000142164
2048	8.90452E-05	0.000126611
2049	8.95438E-05	0.000127059
2050	9.187E-05	0.000127274
2051	9.38521E-05	0.000127649
2052	9.05684E-05	0.000113074
2053	8.97832E-05	0.000113326
2054	8.58275E-05	0.000112937
2055	8.54822E-05	0.000126513
2056	8.97664E-05	0.000124618
2057	9.60101E-05	0.000122765
2058	0.000116455	0.00012166
2059	0.000148361	9.15472E-05
2060	0.000163581	7.79335E-05
2061	0.000163001	6.24737E-05
2062	0.000151484	6.31147E-05
2063	0.000128781	6.23208E-05
2064	0.000101778	6.18773E-05
2065	7.46548E-05	6.19287E-05
2066	6.43176E-05	6.21128E-05
2067	6.08178E-05	6.28023E-05
2068	6.19107E-05	6.43281E-05

2069	6.91194E-05	6.63386E-05
2070	7.91786E-05	5.19406E-05
2071	9.00511E-05	0.000142164
2072	8.90452E-05	0.000126611
2073	8.95438E-05	0.000127059
2074	9.187E-05	0.000127274
2075	9.38521E-05	0.000127649
2076	9.05684E-05	0.000113074
2077	8.97832E-05	0.000113326
2078	8.58275E-05	0.000112937
2079	8.54822E-05	0.000126513
2080	8.97664E-05	0.000124618
2081	9.60101E-05	0.000122765
2082	0.000116455	0.00012166
2083	0.000148361	9.15472E-05
2084	0.000163581	7.79335E-05
2085	0.000163001	6.24737E-05
2086	0.000151484	6.31147E-05
2087	0.000128781	6.23208E-05
2088	0.000101778	6.18773E-05
2089	7.46783E-05	6.19696E-05
2090	6.41341E-05	6.21289E-05
2091	6.0627E-05	6.28011E-05
2092	6.1706E-05	6.43334E-05
2093	6.88833E-05	6.63463E-05
2094	7.89899E-05	5.19537E-05
2095	8.82403E-05	0.000142174
2096	8.87633E-05	0.000126621
2097	8.92159E-05	0.000127059
2098	9.15512E-05	0.000127269
2099	9.35765E-05	0.000127646
2100	9.03059E-05	0.000113072
2101	8.94872E-05	0.000113311
2102	8.55884E-05	0.000112907
2103	8.5288E-05	0.000126488
2104	8.95567E-05	0.000124608
2105	9.57737E-05	0.000122762
2106	0.000116202	0.000121659
2107	0.000148103	9.15475E-05
2108	0.000163277	7.79361E-05
2109	0.000164228	6.24818E-05
2110	0.000151081	6.31298E-05
2111	0.000128299	6.23392E-05
2112	0.000101531	6.19433E-05
2113	7.46783E-05	6.19696E-05
2114	6.41341E-05	6.21289E-05
2115	6.0627E-05	6.28011E-05
2116	6.1706E-05	6.43334E-05
2117	6.88833E-05	6.63463E-05
2118	7.89899E-05	5.19537E-05
2119	8.82403E-05	0.000142174
2120	8.87633E-05	0.000126621
2121	8.92159E-05	0.000127059
2122	9.15512E-05	0.000127269
2123	9.35765E-05	0.000127646
2124	9.03059E-05	0.000113072
2125	8.94872E-05	0.000113311
2126	8.55884E-05	0.000112907
2127	8.5288E-05	0.000126488
2128	8.95567E-05	0.000124608
2129	9.57737E-05	0.000122762
2130	0.000116202	0.000121659
2131	0.000148103	9.15475E-05

2132	0.000163277	7.79361E-05
2133	0.000164228	6.24818E-05
2134	0.000151081	6.31298E-05
2135	0.000128299	6.23392E-05
2136	0.000101531	6.19433E-05
2137	7.46783E-05	6.19696E-05
2138	6.41341E-05	6.21289E-05
2139	6.0627E-05	6.28011E-05
2140	6.1706E-05	6.43334E-05
2141	6.88833E-05	6.63463E-05
2142	7.89899E-05	5.19537E-05
2143	8.82403E-05	0.000142174
2144	8.87633E-05	0.000126621
2145	8.92159E-05	0.000127059
2146	9.15512E-05	0.000127269
2147	9.35765E-05	0.000127646
2148	9.03059E-05	0.000113072
2149	8.94872E-05	0.000113311
2150	8.55884E-05	0.000112907
2151	8.5288E-05	0.000126488
2152	8.95567E-05	0.000124608
2153	9.57737E-05	0.000122762
2154	0.000116202	0.000121659
2155	0.000148103	9.15475E-05
2156	0.000163277	7.79361E-05
2157	0.000164228	6.24818E-05
2158	0.000151081	6.31298E-05
2159	0.000128299	6.23392E-05
2160	0.000101531	6.19433E-05
2161	7.46783E-05	6.19696E-05
2162	6.41341E-05	6.21289E-05
2163	6.0627E-05	6.28011E-05
2164	6.1706E-05	6.43334E-05
2165	6.88833E-05	6.63463E-05
2166	7.89899E-05	5.19537E-05
2167	8.82403E-05	0.000142174
2168	8.87633E-05	0.000126621
2169	8.92159E-05	0.000127059
2170	9.15512E-05	0.000127269
2171	9.35765E-05	0.000127646
2172	9.03059E-05	0.000113072
2173	8.94872E-05	0.000113311
2174	8.55884E-05	0.000112907
2175	8.5288E-05	0.000126488
2176	8.95567E-05	0.000124608
2177	9.57737E-05	0.000122762
2178	0.000116202	0.000121659
2179	0.000148103	9.15475E-05
2180	0.000163277	7.79361E-05
2181	0.000164228	6.24818E-05
2182	0.000151081	6.31298E-05
2183	0.000128299	6.23392E-05
2184	0.000101531	6.19433E-05
2185	6.71019E-05	6.18424E-05
2186	5.65573E-05	6.22116E-05
2187	5.34963E-05	6.32336E-05
2188	5.518E-05	6.51846E-05
2189	6.1894E-05	6.7148E-05
2190	7.06005E-05	5.25545E-05
2191	7.87626E-05	0.000142878
2192	7.97807E-05	0.000127181
2193	8.11115E-05	0.000127451
2194	8.40546E-05	0.000127579

2195	8.65514E-05	0.000127695
2196	8.35319E-05	0.000113185
2197	8.23325E-05	0.000113015
2198	7.9158E-05	0.00011213
2199	7.98379E-05	0.000125275
2200	8.47059E-05	0.000123529
2201	8.99099E-05	0.000122126
2202	0.00010865	0.000121322
2203	0.000139736	9.12473E-05
2204	0.000154875	7.75566E-05
2205	0.000155507	6.2E-05
2206	0.000142178	6.26098E-05
2207	0.000119044	6.20877E-05
2208	9.24753E-05	6.18843E-05
2209	6.69068E-05	6.1843E-05
2210	5.63755E-05	6.22144E-05
2211	5.33409E-05	6.32344E-05
2212	5.50134E-05	6.5193E-05
2213	6.17825E-05	6.71761E-05
2214	7.04923E-05	5.25973E-05
2215	8.02374E-05	0.000142914
2216	7.96185E-05	0.000127245
2217	8.09257E-05	0.000127558
2218	8.39104E-05	0.000127692
2219	8.64123E-05	0.00012782
2220	8.34215E-05	0.000113251
2221	8.22251E-05	0.000113078
2222	7.90805E-05	0.00011219
2223	7.97374E-05	0.000125319
2224	8.46411E-05	0.000123551
2225	8.99671E-05	0.000122127
2226	0.000108697	0.000121316
2227	0.000139756	9.12347E-05
2228	0.000154883	7.75599E-05
2229	0.000153909	6.19867E-05
2230	0.000142171	6.25994E-05
2231	0.000119066	6.20759E-05
2232	9.24922E-05	6.18618E-05
2233	6.69068E-05	6.1843E-05
2234	5.63755E-05	6.22144E-05
2235	5.33409E-05	6.32344E-05
2236	5.50134E-05	6.5193E-05
2237	6.17825E-05	6.71761E-05
2238	7.04923E-05	5.25973E-05
2239	8.02374E-05	0.000142914
2240	7.96185E-05	0.000127245
2241	8.09257E-05	0.000127558
2242	8.39104E-05	0.000127692
2243	8.64123E-05	0.00012782
2244	8.34215E-05	0.000113251
2245	8.22251E-05	0.000113078
2246	7.90805E-05	0.00011219
2247	7.97374E-05	0.000125319
2248	8.46411E-05	0.000123551
2249	8.99671E-05	0.000122127
2250	0.000108697	0.000121316
2251	0.000139756	9.12347E-05
2252	0.000154883	7.75599E-05
2253	0.000153909	6.19867E-05
2254	0.000142171	6.25994E-05
2255	0.000119066	6.20759E-05
2256	9.24922E-05	6.18618E-05
2257	6.71019E-05	6.18424E-05

2258	5.65573E-05	6.22116E-05
2259	5.34963E-05	6.32336E-05
2260	5.518E-05	6.51846E-05
2261	6.1894E-05	6.7148E-05
2262	7.06005E-05	5.25545E-05
2263	7.87626E-05	0.000142878
2264	7.97807E-05	0.000127181
2265	8.11115E-05	0.000127451
2266	8.40546E-05	0.000127579
2267	8.65514E-05	0.000127695
2268	8.35319E-05	0.000113185
2269	8.23325E-05	0.000113015
2270	7.9158E-05	0.00011213
2271	7.98379E-05	0.000125275
2272	8.47059E-05	0.000123529
2273	8.99099E-05	0.000122126
2274	0.00010865	0.000121322
2275	0.000139736	9.12473E-05
2276	0.000154875	7.75566E-05
2277	0.000155507	6.2E-05
2278	0.000142178	6.26098E-05
2279	0.000119044	6.20877E-05
2280	9.24753E-05	6.18843E-05
2281	6.71019E-05	6.18424E-05
2282	5.65573E-05	6.22116E-05
2283	5.34963E-05	6.32336E-05
2284	5.518E-05	6.51846E-05
2285	6.1894E-05	6.7148E-05
2286	7.06005E-05	5.25545E-05
2287	7.87626E-05	0.000142878
2288	7.97807E-05	0.000127181
2289	8.11115E-05	0.000127451
2290	8.40546E-05	0.000127579
2291	8.65514E-05	0.000127695
2292	8.35319E-05	0.000113185
2293	8.23325E-05	0.000113015
2294	7.9158E-05	0.00011213
2295	7.98379E-05	0.000125275
2296	8.47059E-05	0.000123529
2297	8.99099E-05	0.000122126
2298	0.00010865	0.000121322
2299	0.000139736	9.12473E-05
2300	0.000154875	7.75566E-05
2301	0.000155507	6.2E-05
2302	0.000142178	6.26098E-05
2303	0.000119044	6.20877E-05
2304	9.24753E-05	6.18843E-05
2305	6.71019E-05	6.18424E-05
2306	5.65573E-05	6.22116E-05
2307	5.34963E-05	6.32336E-05
2308	5.518E-05	6.51846E-05
2309	6.1894E-05	6.7148E-05
2310	7.06005E-05	5.25545E-05
2311	7.87626E-05	0.000142878
2312	7.97807E-05	0.000127181
2313	8.11115E-05	0.000127451
2314	8.40546E-05	0.000127579
2315	8.65514E-05	0.000127695
2316	8.35319E-05	0.000113185
2317	8.23325E-05	0.000113015
2318	7.9158E-05	0.00011213
2319	7.98379E-05	0.000125275
2320	8.47059E-05	0.000123529

2321	8.99099E-05	0.000122126
2322	0.00010865	0.000121322
2323	0.000139736	9.12473E-05
2324	0.000154875	7.75566E-05
2325	0.000155507	6.2E-05
2326	0.000142178	6.26098E-05
2327	0.000119044	6.20877E-05
2328	9.24753E-05	6.18843E-05
2329	6.71019E-05	6.18424E-05
2330	5.65573E-05	6.22116E-05
2331	5.34963E-05	6.32336E-05
2332	5.518E-05	6.51846E-05
2333	6.1894E-05	6.7148E-05
2334	7.06005E-05	5.25545E-05
2335	7.87626E-05	0.000142878
2336	7.97807E-05	0.000127181
2337	8.11115E-05	0.000127451
2338	8.40546E-05	0.000127579
2339	8.65514E-05	0.000127695
2340	8.35319E-05	0.000113185
2341	8.23325E-05	0.000113015
2342	7.9158E-05	0.00011213
2343	7.98379E-05	0.000125275
2344	8.47059E-05	0.000123529
2345	8.99099E-05	0.000122126
2346	0.00010865	0.000121322
2347	0.000139736	9.12473E-05
2348	0.000154875	7.75566E-05
2349	0.000155507	6.2E-05
2350	0.000142178	6.26098E-05
2351	0.000119044	6.20877E-05
2352	9.24753E-05	6.18843E-05
2353	6.71019E-05	6.18424E-05
2354	5.65573E-05	6.22116E-05
2355	5.34963E-05	6.32336E-05
2356	5.518E-05	6.51846E-05
2357	6.1894E-05	6.7148E-05
2358	7.06005E-05	5.25545E-05
2359	7.87626E-05	0.000142878
2360	7.97807E-05	0.000127181
2361	8.11115E-05	0.000127451
2362	8.40546E-05	0.000127579
2363	8.65514E-05	0.000127695
2364	8.35319E-05	0.000113185
2365	8.23325E-05	0.000113015
2366	7.9158E-05	0.00011213
2367	7.98379E-05	0.000125275
2368	8.47059E-05	0.000123529
2369	8.99099E-05	0.000122126
2370	0.00010865	0.000121322
2371	0.000139736	9.12473E-05
2372	0.000154875	7.75566E-05
2373	0.000155507	6.2E-05
2374	0.000142178	6.26098E-05
2375	0.000119044	6.20877E-05
2376	9.24753E-05	6.18843E-05
2377	6.69068E-05	6.1843E-05
2378	5.63755E-05	6.22144E-05
2379	5.33409E-05	6.32344E-05
2380	5.50134E-05	6.5193E-05
2381	6.17825E-05	6.71761E-05
2382	7.04923E-05	5.25973E-05
2383	8.02374E-05	0.000142914

2384	7.96185E-05	0.000127245
2385	8.09257E-05	0.000127558
2386	8.39104E-05	0.000127692
2387	8.64123E-05	0.00012782
2388	8.34215E-05	0.000113251
2389	8.22251E-05	0.000113078
2390	7.90805E-05	0.00011219
2391	7.97374E-05	0.000125319
2392	8.46411E-05	0.000123551
2393	8.99671E-05	0.000122127
2394	0.000108697	0.000121316
2395	0.000139756	9.12347E-05
2396	0.000154883	7.75599E-05
2397	0.000153909	6.19867E-05
2398	0.000142171	6.25994E-05
2399	0.000119066	6.20759E-05
2400	9.24922E-05	6.18618E-05
2401	6.69068E-05	6.1843E-05
2402	5.63755E-05	6.22144E-05
2403	5.33409E-05	6.32344E-05
2404	5.50134E-05	6.5193E-05
2405	6.17825E-05	6.71761E-05
2406	7.04923E-05	5.25973E-05
2407	8.02374E-05	0.000142914
2408	7.96185E-05	0.000127245
2409	8.09257E-05	0.000127558
2410	8.39104E-05	0.000127692
2411	8.64123E-05	0.00012782
2412	8.34215E-05	0.000113251
2413	8.22251E-05	0.000113078
2414	7.90805E-05	0.00011219
2415	7.97374E-05	0.000125319
2416	8.46411E-05	0.000123551
2417	8.99671E-05	0.000122127
2418	0.000108697	0.000121316
2419	0.000139756	9.12347E-05
2420	0.000154883	7.75599E-05
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2422	0.000142171	6.25994E-05
2423	0.000119066	6.20759E-05
2424	9.24922E-05	6.18618E-05
2425	6.71019E-05	6.18424E-05
2426	5.65573E-05	6.22116E-05
2427	5.34963E-05	6.32336E-05
2428	5.518E-05	6.51846E-05
2429	6.1894E-05	6.7148E-05
2430	7.06005E-05	5.25545E-05
2431	7.87626E-05	0.000142878
2432	7.97807E-05	0.000127181
2433	8.11115E-05	0.000127451
2434	8.40546E-05	0.000127579
2435	8.65514E-05	0.000127695
2436	8.35319E-05	0.000113185
2437	8.23325E-05	0.000113015
2438	7.9158E-05	0.00011213
2439	7.98379E-05	0.000125275
2440	8.47059E-05	0.000123529
2441	8.99099E-05	0.000122126
2442	0.00010865	0.000121322
2443	0.000139736	9.12473E-05
2444	0.000154875	7.75566E-05
2445	0.000155507	6.2E-05
2446	0.000142178	6.26098E-05

2447	0.000119044	6.20877E-05
2448	9.24753E-05	6.18843E-05
2449	6.71019E-05	6.18424E-05
2450	5.65573E-05	6.22116E-05
2451	5.34963E-05	6.32336E-05
2452	5.518E-05	6.51846E-05
2453	6.1894E-05	6.7148E-05
2454	7.06005E-05	5.25545E-05
2455	7.87626E-05	0.000142878
2456	7.97807E-05	0.000127181
2457	8.11115E-05	0.000127451
2458	8.40546E-05	0.000127579
2459	8.65514E-05	0.000127695
2460	8.35319E-05	0.000113185
2461	8.23325E-05	0.000113015
2462	7.9158E-05	0.00011213
2463	7.98379E-05	0.000125275
2464	8.47059E-05	0.000123529
2465	8.99099E-05	0.000122126
2466	0.00010865	0.000121322
2467	0.000139736	9.12473E-05
2468	0.000154875	7.75566E-05
2469	0.000155507	6.2E-05
2470	0.000142178	6.26098E-05
2471	0.000119044	6.20877E-05
2472	9.24753E-05	6.18843E-05
2473	6.71019E-05	6.18424E-05
2474	5.65573E-05	6.22116E-05
2475	5.34963E-05	6.32336E-05
2476	5.518E-05	6.51846E-05
2477	6.1894E-05	6.7148E-05
2478	7.06005E-05	5.25545E-05
2479	7.87626E-05	0.000142878
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2485	8.23325E-05	0.000113015
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2487	7.98379E-05	0.000125275
2488	8.47059E-05	0.000123529
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2492	0.000154875	7.75566E-05
2493	0.000155507	6.2E-05
2494	0.000142178	6.26098E-05
2495	0.000119044	6.20877E-05
2496	9.24753E-05	6.18843E-05
2497	6.71019E-05	6.18424E-05
2498	5.65573E-05	6.22116E-05
2499	5.34963E-05	6.32336E-05
2500	5.518E-05	6.51846E-05
2501	6.1894E-05	6.7148E-05
2502	7.06005E-05	5.25545E-05
2503	7.87626E-05	0.000142878
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2509	8.23325E-05	0.000113015

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2522	5.65573E-05	6.22116E-05
2523	5.34963E-05	6.32336E-05
2524	5.518E-05	6.51846E-05
2525	6.1894E-05	6.7148E-05
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2546	5.63755E-05	6.22144E-05
2547	5.33409E-05	6.32344E-05
2548	5.50134E-05	6.5193E-05
2549	6.17825E-05	6.71761E-05
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2551	8.02374E-05	0.000142914
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2555	8.64123E-05	0.00012782
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2566	0.000142171	6.25994E-05
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2594	5.65573E-05	6.22116E-05
2595	5.34963E-05	6.32336E-05
2596	5.518E-05	6.51846E-05
2597	6.1894E-05	6.7148E-05
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2642	5.65573E-05	6.22116E-05
2643	5.34963E-05	6.32336E-05
2644	5.518E-05	6.51846E-05
2645	6.1894E-05	6.7148E-05
2646	7.06005E-05	5.25545E-05
2647	7.87626E-05	0.000142878
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2686	0.000142178	6.26098E-05
2687	0.000119044	6.20877E-05
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2714	5.63755E-05	6.22144E-05
2715	5.33409E-05	6.32344E-05
2716	5.50134E-05	6.5193E-05
2717	6.17825E-05	6.71761E-05
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2725	8.22251E-05	0.000113078
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2761	6.71019E-05	6.18424E-05

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2764	5.518E-05	6.51846E-05
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2878	0.000142178	6.26098E-05
2879	0.000119044	6.20877E-05
2880	9.24753E-05	6.18843E-05
2881	6.69068E-05	6.1843E-05
2882	5.63755E-05	6.22144E-05
2883	5.33409E-05	6.32344E-05
2884	5.50134E-05	6.5193E-05
2885	6.17825E-05	6.71761E-05
2886	7.04923E-05	5.25973E-05
2887	8.02374E-05	0.000142914

2888	7.96185E-05	0.000127245
2889	8.09257E-05	0.000127558
2890	8.39104E-05	0.000127692
2891	8.64123E-05	0.00012782
2892	8.34215E-05	0.000113251
2893	8.22251E-05	0.000113078
2894	7.90805E-05	0.00011219
2895	7.97374E-05	0.000125319
2896	8.46411E-05	0.000123551
2897	8.99671E-05	0.000122127
2898	0.000108697	0.000121316
2899	0.000139756	9.12347E-05
2900	0.000154883	7.75599E-05
2901	0.000153909	6.19867E-05
2902	0.000142171	6.25994E-05
2903	0.000119066	6.20759E-05
2904	9.24922E-05	6.18618E-05
2905	6.60603E-05	9.25742E-05
2906	5.44012E-05	9.43038E-05
2907	5.12159E-05	9.79398E-05
2908	5.21552E-05	0.00010316
2909	5.83051E-05	0.000109065
2910	6.73448E-05	9.90587E-05
2911	7.77675E-05	0.000194103
2912	7.81754E-05	0.0001808
2913	8.11723E-05	0.000182293
2914	8.50357E-05	0.000182687
2915	8.78269E-05	0.00018279
2916	8.54839E-05	0.000168225
2917	8.57483E-05	0.0001669
2918	8.38296E-05	0.000162773
2919	8.59626E-05	0.000172101
2920	9.06683E-05	0.000166947
2921	9.46524E-05	0.00016311
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2923	0.000143079	0.000130216
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2925	0.000156499	9.74008E-05
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2927	0.000120122	9.36498E-05
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2929	6.58497E-05	9.29761E-05
2930	5.45128E-05	9.40068E-05
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2932	5.19916E-05	0.000102739
2933	5.81853E-05	0.000108445
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2935	7.60388E-05	0.000192972
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2939	8.78531E-05	0.000181584
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2942	8.39223E-05	0.000161885
2943	8.57859E-05	0.0001713
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2967	8.57859E-05	0.0001713
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2998	0.000143915	9.49688E-05
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3013	8.59795E-05	0.000165869

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3027	5.11683E-05	9.75852E-05
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3323	8.78531E-05	0.000181584
3324	8.561E-05	0.000167064
3325	8.59795E-05	0.000165869
3326	8.39223E-05	0.000161885
3327	8.57859E-05	0.0001713
3328	9.00623E-05	0.000166117

3329	9.40153E-05	0.000162345
3330	0.000112144	0.000160258
3331	0.000142521	0.00012943
3332	0.000156733	0.000114127
3333	0.000157604	9.66679E-05
3334	0.000143915	9.49688E-05
3335	0.000119888	9.30178E-05
3336	9.17922E-05	9.19565E-05
3337	6.58497E-05	9.29761E-05
3338	5.45128E-05	9.40068E-05
3339	5.11683E-05	9.75852E-05
3340	5.19916E-05	0.000102739
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3343	7.60388E-05	0.000192972
3344	7.80599E-05	0.000179552
3345	8.11029E-05	0.000181045
3346	8.50022E-05	0.00018145
3347	8.78531E-05	0.000181584
3348	8.561E-05	0.000167064
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3350	8.39223E-05	0.000161885
3351	8.57859E-05	0.0001713
3352	9.00623E-05	0.000166117
3353	9.40153E-05	0.000162345
3354	0.000112144	0.000160258
3355	0.000142521	0.00012943
3356	0.000156733	0.000114127
3357	0.000157604	9.66679E-05
3358	0.000143915	9.49688E-05
3359	0.000119888	9.30178E-05
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3361	6.58497E-05	9.29761E-05
3362	5.45128E-05	9.40068E-05
3363	5.11683E-05	9.75852E-05
3364	5.19916E-05	0.000102739
3365	5.81853E-05	0.000108445
3366	6.71677E-05	9.82028E-05
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3368	7.80599E-05	0.000179552
3369	8.11029E-05	0.000181045
3370	8.50022E-05	0.00018145
3371	8.78531E-05	0.000181584
3372	8.561E-05	0.000167064
3373	8.59795E-05	0.000165869
3374	8.39223E-05	0.000161885
3375	8.57859E-05	0.0001713
3376	9.00623E-05	0.000166117
3377	9.40153E-05	0.000162345
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3379	0.000142521	0.00012943
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3381	0.000157604	9.66679E-05
3382	0.000143915	9.49688E-05
3383	0.000119888	9.30178E-05
3384	9.17922E-05	9.19565E-05
3385	6.60603E-05	9.25742E-05
3386	5.44012E-05	9.43038E-05
3387	5.12159E-05	9.79398E-05
3388	5.21552E-05	0.00010316
3389	5.83051E-05	0.000109065
3390	6.73448E-05	9.90587E-05
3391	7.77675E-05	0.000194103

3392	7.81754E-05	0.0001808
3393	8.11723E-05	0.000182293
3394	8.50357E-05	0.000182687
3395	8.78269E-05	0.00018279
3396	8.54839E-05	0.000168225
3397	8.57483E-05	0.0001669
3398	8.38296E-05	0.000162773
3399	8.59626E-05	0.000172101
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3401	9.46524E-05	0.00016311
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3404	0.000157269	0.000114869
3405	0.000156499	9.74008E-05
3406	0.000144285	9.56598E-05
3407	0.000120122	9.36498E-05
3408	9.19864E-05	9.25203E-05
3409	6.60603E-05	9.25742E-05
3410	5.44012E-05	9.43038E-05
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3412	5.21552E-05	0.00010316
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3414	6.73448E-05	9.90587E-05
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3416	7.81754E-05	0.0001808
3417	8.11723E-05	0.000182293
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3444	8.561E-05	0.000167064
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3446	8.39223E-05	0.000161885
3447	8.57859E-05	0.0001713
3448	9.00623E-05	0.000166117
3449	9.40153E-05	0.000162345
3450	0.000112144	0.000160258
3451	0.000142521	0.00012943
3452	0.000156733	0.000114127
3453	0.000157604	9.66679E-05
3454	0.000143915	9.49688E-05

3455	0.000119888	9.30178E-05
3456	9.17922E-05	9.19565E-05
3457	6.58497E-05	9.29761E-05
3458	5.45128E-05	9.40068E-05
3459	5.11683E-05	9.75852E-05
3460	5.19916E-05	0.000102739
3461	5.81853E-05	0.000108445
3462	6.71677E-05	9.82028E-05
3463	7.60388E-05	0.000192972
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3479	0.000119888	9.30178E-05
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3503	0.000119888	9.30178E-05
3504	9.17922E-05	9.19565E-05
3505	6.58497E-05	9.29761E-05
3506	5.45128E-05	9.40068E-05
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3575	0.000120122	9.36498E-05
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3578	5.44012E-05	9.43038E-05
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3648	9.17922E-05	9.19565E-05
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3669	0.000209824	0.000102338
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3671	0.00016061	9.79658E-05
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3673	9.93748E-05	9.75605E-05
3674	8.61442E-05	9.89611E-05
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3706	0.000132341	0.000184764

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3773	8.69302E-05	0.000113895
3774	9.99048E-05	0.000102415
3775	0.000114931	0.000195746
3776	0.000119435	0.000182281
3777	0.00012378	0.000183808
3778	0.000132341	0.000184764
3779	0.00014276	0.000186403
3780	0.000150527	0.000172157
3781	0.000154246	0.000171804
3782	0.000152306	0.000168484
3783	0.000151081	0.000177807
3784	0.000161745	0.000172348
3785	0.00016954	0.000168833
3786	0.000182368	0.000166973
3787	0.000205066	0.000136018
3788	0.000213067	0.000120145
3789	0.000209824	0.000102338
3790	0.000189836	0.000100235
3791	0.00016061	9.79658E-05
3792	0.000130548	9.58411E-05
3793	9.93748E-05	9.75605E-05
3794	8.61442E-05	9.89611E-05
3795	7.98591E-05	0.000102684
3796	7.88743E-05	0.000108132
3797	8.69302E-05	0.000113895
3798	9.99048E-05	0.000102415
3799	0.000114931	0.000195746
3800	0.000119435	0.000182281
3801	0.00012378	0.000183808
3802	0.000132341	0.000184764
3803	0.00014276	0.000186403
3804	0.000150527	0.000172157
3805	0.000154246	0.000171804
3806	0.000152306	0.000168484
3807	0.000151081	0.000177807
3808	0.000161745	0.000172348
3809	0.00016954	0.000168833
3810	0.000182368	0.000166973
3811	0.000205066	0.000136018
3812	0.000213067	0.000120145
3813	0.000209824	0.000102338
3814	0.000189836	0.000100235
3815	0.00016061	9.79658E-05
3816	0.000130548	9.58411E-05
3817	9.93748E-05	9.75605E-05
3818	8.61442E-05	9.89611E-05
3819	7.98591E-05	0.000102684
3820	7.88743E-05	0.000108132
3821	8.69302E-05	0.000113895
3822	9.99048E-05	0.000102415
3823	0.000114931	0.000195746
3824	0.000119435	0.000182281
3825	0.00012378	0.000183808
3826	0.000132341	0.000184764
3827	0.00014276	0.000186403
3828	0.000150527	0.000172157
3829	0.000154246	0.000171804
3830	0.000152306	0.000168484
3831	0.000151081	0.000177807
3832	0.000161745	0.000172348

3833	0.00016954	0.000168833
3834	0.000182368	0.000166973
3835	0.000205066	0.000136018
3836	0.000213067	0.000120145
3837	0.000209824	0.000102338
3838	0.000189836	0.000100235
3839	0.00016061	9.79658E-05
3840	0.000130548	9.58411E-05
3841	9.93748E-05	9.75605E-05
3842	8.61442E-05	9.89611E-05
3843	7.98591E-05	0.000102684
3844	7.88743E-05	0.000108132
3845	8.69302E-05	0.000113895
3846	9.99048E-05	0.000102415
3847	0.000114931	0.000195746
3848	0.000119435	0.000182281
3849	0.00012378	0.000183808
3850	0.000132341	0.000184764
3851	0.00014276	0.000186403
3852	0.000150527	0.000172157
3853	0.000154246	0.000171804
3854	0.000152306	0.000168484
3855	0.000151081	0.000177807
3856	0.000161745	0.000172348
3857	0.00016954	0.000168833
3858	0.000182368	0.000166973
3859	0.000205066	0.000136018
3860	0.000213067	0.000120145
3861	0.000209824	0.000102338
3862	0.000189836	0.000100235
3863	0.00016061	9.79658E-05
3864	0.000130548	9.58411E-05
3865	9.93748E-05	9.75605E-05
3866	8.61442E-05	9.89611E-05
3867	7.98591E-05	0.000102684
3868	7.88743E-05	0.000108132
3869	8.69302E-05	0.000113895
3870	9.99048E-05	0.000102415
3871	0.000114931	0.000195746
3872	0.000119435	0.000182281
3873	0.00012378	0.000183808
3874	0.000132341	0.000184764
3875	0.00014276	0.000186403
3876	0.000150527	0.000172157
3877	0.000154246	0.000171804
3878	0.000152306	0.000168484
3879	0.000151081	0.000177807
3880	0.000161745	0.000172348
3881	0.00016954	0.000168833
3882	0.000182368	0.000166973
3883	0.000205066	0.000136018
3884	0.000213067	0.000120145
3885	0.000209824	0.000102338
3886	0.000189836	0.000100235
3887	0.00016061	9.79658E-05
3888	0.000130548	9.58411E-05
3889	9.94702E-05	9.75505E-05
3890	8.61803E-05	9.89256E-05
3891	7.98882E-05	0.000102616
3892	7.88434E-05	0.000108082
3893	8.68451E-05	0.000113808
3894	9.96879E-05	0.000102313
3895	0.000116458	0.000195686

3896	0.000119378	0.000182228
3897	0.000123808	0.000183783
3898	0.000132875	0.000184785
3899	0.000143656	0.000186527
3900	0.000151557	0.000172285
3901	0.000155215	0.000171896
3902	0.000154004	0.000168539
3903	0.000152775	0.000177826
3904	0.00016361	0.000172495
3905	0.00017179	0.000168987
3906	0.000184494	0.000167172
3907	0.000206913	0.000136192
3908	0.000214635	0.000120305
3909	0.000209615	0.000102433
3910	0.000190838	0.000100337
3911	0.000161547	9.80373E-05
3912	0.000131346	9.59474E-05
3913	9.94702E-05	9.75505E-05
3914	8.61803E-05	9.89256E-05
3915	7.98882E-05	0.000102616
3916	7.88434E-05	0.000108082
3917	8.68451E-05	0.000113808
3918	9.96879E-05	0.000102313
3919	0.000116458	0.000195686
3920	0.000119378	0.000182228
3921	0.000123808	0.000183783
3922	0.000132875	0.000184785
3923	0.000143656	0.000186527
3924	0.000151557	0.000172285
3925	0.000155215	0.000171896
3926	0.000154004	0.000168539
3927	0.000152775	0.000177826
3928	0.00016361	0.000172495
3929	0.00017179	0.000168987
3930	0.000184494	0.000167172
3931	0.000206913	0.000136192
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3933	0.000209615	0.000102433
3934	0.000190838	0.000100337
3935	0.000161547	9.80373E-05
3936	0.000131346	9.59474E-05
3937	9.93748E-05	9.75605E-05
3938	8.61442E-05	9.89611E-05
3939	7.98591E-05	0.000102684
3940	7.88743E-05	0.000108132
3941	8.69302E-05	0.000113895
3942	9.99048E-05	0.000102415
3943	0.000114931	0.000195746
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3950	0.000152306	0.000168484
3951	0.000151081	0.000177807
3952	0.000161745	0.000172348
3953	0.00016954	0.000168833
3954	0.000182368	0.000166973
3955	0.000205066	0.000136018
3956	0.000213067	0.000120145
3957	0.000209824	0.000102338
3958	0.000189836	0.000100235

3959	0.00016061	9.79658E-05
3960	0.000130548	9.58411E-05
3961	9.93748E-05	9.75605E-05
3962	8.61442E-05	9.89611E-05
3963	7.98591E-05	0.000102684
3964	7.88743E-05	0.000108132
3965	8.69302E-05	0.000113895
3966	9.99048E-05	0.000102415
3967	0.000114931	0.000195746
3968	0.000119435	0.000182281
3969	0.00012378	0.000183808
3970	0.000132341	0.000184764
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3973	0.000154246	0.000171804
3974	0.000152306	0.000168484
3975	0.000151081	0.000177807
3976	0.000161745	0.000172348
3977	0.00016954	0.000168833
3978	0.000182368	0.000166973
3979	0.000205066	0.000136018
3980	0.000213067	0.000120145
3981	0.000209824	0.000102338
3982	0.000189836	0.000100235
3983	0.00016061	9.79658E-05
3984	0.000130548	9.58411E-05
3985	9.93748E-05	9.75605E-05
3986	8.61442E-05	9.89611E-05
3987	7.98591E-05	0.000102684
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3989	8.69302E-05	0.000113895
3990	9.99048E-05	0.000102415
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3993	0.00012378	0.000183808
3994	0.000132341	0.000184764
3995	0.00014276	0.000186403
3996	0.000150527	0.000172157
3997	0.000154246	0.000171804
3998	0.000152306	0.000168484
3999	0.000151081	0.000177807
4000	0.000161745	0.000172348
4001	0.00016954	0.000168833
4002	0.000182368	0.000166973
4003	0.000205066	0.000136018
4004	0.000213067	0.000120145
4005	0.000209824	0.000102338
4006	0.000189836	0.000100235
4007	0.00016061	9.79658E-05
4008	0.000130548	9.58411E-05
4009	9.93748E-05	9.75605E-05
4010	8.61442E-05	9.89611E-05
4011	7.98591E-05	0.000102684
4012	7.88743E-05	0.000108132
4013	8.69302E-05	0.000113895
4014	9.99048E-05	0.000102415
4015	0.000114931	0.000195746
4016	0.000119435	0.000182281
4017	0.00012378	0.000183808
4018	0.000132341	0.000184764
4019	0.00014276	0.000186403
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4023	0.000151081	0.000177807
4024	0.000161745	0.000172348
4025	0.00016954	0.000168833
4026	0.000182368	0.000166973
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4028	0.000213067	0.000120145
4029	0.000209824	0.000102338
4030	0.000189836	0.000100235
4031	0.00016061	9.79658E-05
4032	0.000130548	9.58411E-05
4033	9.93748E-05	9.75605E-05
4034	8.61442E-05	9.89611E-05
4035	7.98591E-05	0.000102684
4036	7.88743E-05	0.000108132
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4038	9.99048E-05	0.000102415
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4054	0.000189836	0.000100235
4055	0.00016061	9.79658E-05
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4057	9.94702E-05	9.75505E-05
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4059	7.98882E-05	0.000102616
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4063	0.000116458	0.000195686
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4067	0.000143656	0.000186527
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4069	0.000155215	0.000171896
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4071	0.000152775	0.000177826
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4074	0.000184494	0.000167172
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4076	0.000214635	0.000120305
4077	0.000209615	0.000102433
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4079	0.000161547	9.80373E-05
4080	0.000131346	9.59474E-05
4081	9.94702E-05	9.75505E-05
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4110	9.99048E-05	0.000102415
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4119	0.000151081	0.000177807
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4127	0.00016061	9.79658E-05
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4129	9.93748E-05	9.75605E-05
4130	8.61442E-05	9.89611E-05
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4177	9.93748E-05	9.75605E-05
4178	8.61442E-05	9.89611E-05
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4202	8.61442E-05	9.89611E-05
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4219	0.000205066	0.000136018
4220	0.000213067	0.000120145
4221	0.000209824	0.000102338
4222	0.000189836	0.000100235
4223	0.00016061	9.79658E-05
4224	0.000130548	9.58411E-05
4225	9.94702E-05	9.75505E-05
4226	8.61803E-05	9.89256E-05
4227	7.98882E-05	0.000102616
4228	7.88434E-05	0.000108082
4229	8.68451E-05	0.000113808
4230	9.96879E-05	0.000102313
4231	0.000116458	0.000195686
4232	0.000119378	0.000182228
4233	0.000123808	0.000183783
4234	0.000132875	0.000184785
4235	0.000143656	0.000186527
4236	0.000151557	0.000172285
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4238	0.000154004	0.000168539
4239	0.000152775	0.000177826
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4242	0.000184494	0.000167172
4243	0.000206913	0.000136192
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4245	0.000209615	0.000102433
4246	0.000190838	0.000100337
4247	0.000161547	9.80373E-05
4248	0.000131346	9.59474E-05
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4259	0.000143656	0.000186527
4260	0.000151557	0.000172285
4261	0.000155215	0.000171896
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4271	0.000161547	9.80373E-05
4272	0.000131346	9.59474E-05
4273	9.93748E-05	9.75605E-05

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4277	8.69302E-05	0.000113895
4278	9.99048E-05	0.000102415
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4280	0.000119435	0.000182281
4281	0.00012378	0.000183808
4282	0.000132341	0.000184764
4283	0.00014276	0.000186403
4284	0.000150527	0.000172157
4285	0.000154246	0.000171804
4286	0.000152306	0.000168484
4287	0.000151081	0.000177807
4288	0.000161745	0.000172348
4289	0.00016954	0.000168833
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4292	0.000213067	0.000120145
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4407	0.000189525	0.000180283
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6187	0.000156572	0.000134108
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6190	0.000149125	9.95072E-05
6191	0.000124316	9.77284E-05
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6216	9.67351E-05	9.68201E-05
6217	7.08215E-05	9.72222E-05
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6313	7.08215E-05	9.72222E-05
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6649	6.95783E-05	6.21103E-05
6650	5.89366E-05	6.25585E-05
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6652	5.70509E-05	6.52907E-05
6653	6.43888E-05	6.73471E-05
6654	7.45583E-05	5.2771E-05
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6661	8.79728E-05	0.000113241
6662	8.55259E-05	0.000112341
6663	8.62158E-05	0.000125677
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6746	5.89466E-05	6.26938E-05
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6748	5.70311E-05	6.54668E-05
6749	6.43313E-05	6.75231E-05
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6754	8.86491E-05	0.000127658
6755	9.06798E-05	0.000127972
6756	8.815E-05	0.00011343
6757	8.83769E-05	0.000113243
6758	8.58823E-05	0.000112315
6759	8.66771E-05	0.000125622
6760	9.1946E-05	0.000123923
6761	9.83492E-05	0.000122643
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6763	0.000147107	9.19165E-05
6764	0.000159982	7.79348E-05
6765	0.000157653	6.224E-05
6766	0.000145354	6.28179E-05
6767	0.000122197	6.2271E-05
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6792	9.58327E-05	6.20031E-05
6793	6.95783E-05	6.21103E-05

6794	5.89366E-05	6.25585E-05
6795	5.58478E-05	6.36724E-05
6796	5.70509E-05	6.52907E-05
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6798	7.45583E-05	5.2771E-05
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6844	5.70509E-05	6.52907E-05
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7075	0.000146907	9.19482E-05
7076	0.000159687	7.79747E-05
7077	0.000158947	6.23015E-05
7078	0.000145034	6.28751E-05
7079	0.000121857	6.23295E-05
7080	9.55681E-05	6.20941E-05
7081	6.95268E-05	6.22226E-05
7082	5.89466E-05	6.26938E-05
7083	5.58153E-05	6.38113E-05
7084	5.70311E-05	6.54668E-05
7085	6.43313E-05	6.75231E-05
7086	7.45213E-05	5.29542E-05
7087	8.58972E-05	0.000143153
7088	8.52663E-05	0.000127533
7089	8.59811E-05	0.000127607
7090	8.86491E-05	0.000127658
7091	9.06798E-05	0.000127972
7092	8.815E-05	0.00011343
7093	8.83769E-05	0.000113243
7094	8.58823E-05	0.000112315
7095	8.66771E-05	0.000125622
7096	9.1946E-05	0.000123923
7097	9.83492E-05	0.000122643
7098	0.000117259	0.000121918
7099	0.000147107	9.19165E-05
7100	0.000159982	7.79348E-05
7101	0.000157653	6.224E-05
7102	0.000145354	6.28179E-05
7103	0.000122197	6.2271E-05
7104	9.58327E-05	6.20031E-05
7105	6.95268E-05	6.22226E-05
7106	5.89466E-05	6.26938E-05
7107	5.58153E-05	6.38113E-05
7108	5.70311E-05	6.54668E-05

7109	6.43313E-05	6.75231E-05
7110	7.45213E-05	5.29542E-05
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7112	8.52663E-05	0.000127533
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7114	8.86491E-05	0.000127658
7115	9.06798E-05	0.000127972
7116	8.815E-05	0.00011343
7117	8.83769E-05	0.000113243
7118	8.58823E-05	0.000112315
7119	8.66771E-05	0.000125622
7120	9.1946E-05	0.000123923
7121	9.83492E-05	0.000122643
7122	0.000117259	0.000121918
7123	0.000147107	9.19165E-05
7124	0.000159982	7.79348E-05
7125	0.000157653	6.224E-05
7126	0.000145354	6.28179E-05
7127	0.000122197	6.2271E-05
7128	9.58327E-05	6.20031E-05
7129	6.95783E-05	6.21103E-05
7130	5.89366E-05	6.25585E-05
7131	5.58478E-05	6.36724E-05
7132	5.70509E-05	6.52907E-05
7133	6.43888E-05	6.73471E-05
7134	7.45583E-05	5.2771E-05
7135	8.42191E-05	0.000143011
7136	8.49542E-05	0.000127417
7137	8.53286E-05	0.000127563
7138	8.79612E-05	0.000127641
7139	9.00554E-05	0.000127986
7140	8.76446E-05	0.000113432
7141	8.79728E-05	0.000113241
7142	8.55259E-05	0.000112341
7143	8.62158E-05	0.000125677
7144	9.14686E-05	0.000123988
7145	9.79816E-05	0.000122702
7146	0.000116942	0.000121972
7147	0.000146907	9.19482E-05
7148	0.000159687	7.79747E-05
7149	0.000158947	6.23015E-05
7150	0.000145034	6.28751E-05
7151	0.000121857	6.23295E-05
7152	9.55681E-05	6.20941E-05
7153	6.95783E-05	6.21103E-05
7154	5.89366E-05	6.25585E-05
7155	5.58478E-05	6.36724E-05
7156	5.70509E-05	6.52907E-05
7157	6.43888E-05	6.73471E-05
7158	7.45583E-05	5.2771E-05
7159	8.42191E-05	0.000143011
7160	8.49542E-05	0.000127417
7161	8.53286E-05	0.000127563
7162	8.79612E-05	0.000127641
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7165	8.79728E-05	0.000113241
7166	8.55259E-05	0.000112341
7167	8.62158E-05	0.000125677
7168	9.14686E-05	0.000123988
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7175	0.000121857	6.23295E-05
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7177	6.95783E-05	6.21103E-05
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7181	6.43888E-05	6.73471E-05
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7183	8.42191E-05	0.000143011
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7189	8.79728E-05	0.000113241
7190	8.55259E-05	0.000112341
7191	8.62158E-05	0.000125677
7192	9.14686E-05	0.000123988
7193	9.79816E-05	0.000122702
7194	0.000116942	0.000121972
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7199	0.000121857	6.23295E-05
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7203	5.58478E-05	6.36724E-05
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7205	6.43888E-05	6.73471E-05
7206	7.45583E-05	5.2771E-05
7207	8.42191E-05	0.000143011
7208	8.49542E-05	0.000127417
7209	8.53286E-05	0.000127563
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7213	8.79728E-05	0.000113241
7214	8.55259E-05	0.000112341
7215	8.62158E-05	0.000125677
7216	9.14686E-05	0.000123988
7217	9.79816E-05	0.000122702
7218	0.000116942	0.000121972
7219	0.000146907	9.19482E-05
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7221	0.000158947	6.23015E-05
7222	0.000145034	6.28751E-05
7223	0.000121857	6.23295E-05
7224	9.55681E-05	6.20941E-05
7225	6.95783E-05	6.21103E-05
7226	5.89366E-05	6.25585E-05
7227	5.58478E-05	6.36724E-05
7228	5.70509E-05	6.52907E-05
7229	6.43888E-05	6.73471E-05
7230	7.45583E-05	5.2771E-05
7231	8.42191E-05	0.000143011
7232	8.49542E-05	0.000127417
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7234	8.79612E-05	0.000127641

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7238	8.55259E-05	0.000112341
7239	8.62158E-05	0.000125677
7240	9.14686E-05	0.000123988
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7245	0.000158947	6.23015E-05
7246	0.000145034	6.28751E-05
7247	0.000121857	6.23295E-05
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7250	5.89466E-05	6.26938E-05
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7253	6.43313E-05	6.75231E-05
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7259	9.06798E-05	0.000127972
7260	8.815E-05	0.00011343
7261	8.83769E-05	0.000113243
7262	8.58823E-05	0.000112315
7263	8.66771E-05	0.000125622
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7265	9.83492E-05	0.000122643
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7267	0.000147107	9.19165E-05
7268	0.000159982	7.79348E-05
7269	0.000157653	6.224E-05
7270	0.000145354	6.28179E-05
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7272	9.58327E-05	6.20031E-05
7273	6.95268E-05	6.22226E-05
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7295	0.000122197	6.2271E-05
7296	9.58327E-05	6.20031E-05
7297	6.95783E-05	6.21103E-05

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7309	8.79728E-05	0.000113241
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7311	8.62158E-05	0.000125677
7312	9.14686E-05	0.000123988
7313	9.79816E-05	0.000122702
7314	0.000116942	0.000121972
7315	0.000146907	9.19482E-05
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7317	0.000158947	6.23015E-05
7318	0.000145034	6.28751E-05
7319	0.000121857	6.23295E-05
7320	9.55681E-05	6.20941E-05
7321	7.58824E-05	6.12225E-05
7322	6.50599E-05	6.14433E-05
7323	6.11115E-05	6.19995E-05
7324	6.17319E-05	6.31415E-05
7325	6.88998E-05	6.44412E-05
7326	7.99839E-05	4.95246E-05
7327	9.04795E-05	0.000139349
7328	9.27556E-05	0.000123453
7329	9.4142E-05	0.000123511
7330	9.61798E-05	0.000123591
7331	9.80667E-05	0.000123998
7332	9.48102E-05	0.000109657
7333	9.42859E-05	0.0001099
7334	9.14176E-05	0.000109557
7335	9.14326E-05	0.000123462
7336	9.67776E-05	0.000122103
7337	0.000104447	0.000121155
7338	0.000124331	0.000120412
7339	0.000154355	9.0339E-05
7340	0.000167569	7.66351E-05
7341	0.000167889	6.12936E-05
7342	0.000154357	6.21597E-05
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7349	6.88998E-05	6.44412E-05
7350	7.99839E-05	4.95246E-05
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7352	9.27556E-05	0.000123453
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7356	9.48102E-05	0.000109657
7357	9.42859E-05	0.0001099
7358	9.14176E-05	0.000109557
7359	9.14326E-05	0.000123462
7360	9.67776E-05	0.000122103

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7362	0.000124331	0.000120412
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7370	6.50599E-05	6.14433E-05
7371	6.11115E-05	6.19995E-05
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7374	7.99839E-05	4.95246E-05
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7380	9.48102E-05	0.000109657
7381	9.42859E-05	0.0001099
7382	9.14176E-05	0.000109557
7383	9.14326E-05	0.000123462
7384	9.67776E-05	0.000122103
7385	0.000104447	0.000121155
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7387	0.000154355	9.0339E-05
7388	0.000167569	7.66351E-05
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7390	0.000154357	6.21597E-05
7391	0.000130711	6.14802E-05
7392	0.000103754	6.09948E-05
7393	7.58824E-05	6.12225E-05
7394	6.50599E-05	6.14433E-05
7395	6.11115E-05	6.19995E-05
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7397	6.88998E-05	6.44412E-05
7398	7.99839E-05	4.95246E-05
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7403	9.80667E-05	0.000123998
7404	9.48102E-05	0.000109657
7405	9.42859E-05	0.0001099
7406	9.14176E-05	0.000109557
7407	9.14326E-05	0.000123462
7408	9.67776E-05	0.000122103
7409	0.000104447	0.000121155
7410	0.000124331	0.000120412
7411	0.000154355	9.0339E-05
7412	0.000167569	7.66351E-05
7413	0.000167889	6.12936E-05
7414	0.000154357	6.21597E-05
7415	0.000130711	6.14802E-05
7416	0.000103754	6.09948E-05
7417	7.63109E-05	6.10012E-05
7418	6.50175E-05	6.14877E-05
7419	6.10876E-05	6.20618E-05
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7421	6.89044E-05	6.45558E-05
7422	7.99278E-05	4.96988E-05
7423	9.19632E-05	0.00013966

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7425	9.3807E-05	0.000123952
7426	9.56307E-05	0.000124004
7427	9.73814E-05	0.000124394
7428	9.41116E-05	0.000110055
7429	9.3617E-05	0.000110293
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7459	0.000153961	9.04681E-05
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7467	6.11115E-05	6.19995E-05
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7469	6.88998E-05	6.44412E-05
7470	7.99839E-05	4.95246E-05
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7474	9.61798E-05	0.000123591
7475	9.80667E-05	0.000123998
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7479	9.14326E-05	0.000123462
7480	9.67776E-05	0.000122103
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7484	0.000167569	7.66351E-05
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7486	0.000154357	6.21597E-05

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7489	7.58824E-05	6.12225E-05
7490	6.50599E-05	6.14433E-05
7491	6.11115E-05	6.19995E-05
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7493	6.88998E-05	6.44412E-05
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7515	6.11115E-05	6.19995E-05
7516	6.17319E-05	6.31415E-05
7517	6.88998E-05	6.44412E-05
7518	7.99839E-05	4.95246E-05
7519	9.04795E-05	0.000139349
7520	9.27556E-05	0.000123453
7521	9.4142E-05	0.000123511
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7523	9.80667E-05	0.000123998
7524	9.48102E-05	0.000109657
7525	9.42859E-05	0.0001099
7526	9.14176E-05	0.000109557
7527	9.14326E-05	0.000123462
7528	9.67776E-05	0.000122103
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7532	0.000167569	7.66351E-05
7533	0.000167889	6.12936E-05
7534	0.000154357	6.21597E-05
7535	0.000130711	6.14802E-05
7536	0.000103754	6.09948E-05
7537	7.58824E-05	6.12225E-05
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7541	6.88998E-05	6.44412E-05
7542	7.99839E-05	4.95246E-05
7543	9.04795E-05	0.000139349
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7545	9.4142E-05	0.000123511
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7560	0.000103754	6.09948E-05
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7562	6.50175E-05	6.14877E-05
7563	6.10876E-05	6.20618E-05
7564	6.17435E-05	6.32286E-05
7565	6.89044E-05	6.45558E-05
7566	7.99278E-05	4.96988E-05
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7573	9.3617E-05	0.000110293
7574	9.06233E-05	0.000109863
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7580	0.000167177	7.67577E-05
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7584	0.000103551	6.09283E-05
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7586	6.50175E-05	6.14877E-05
7587	6.10876E-05	6.20618E-05
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7960	9.62768E-05	0.000122308
7961	0.000104109	0.000121325
7962	0.00012388	0.000120548
7963	0.000153961	9.04681E-05
7964	0.000167177	7.67577E-05
7965	0.000165905	6.13999E-05
7966	0.00015398	6.2248E-05
7967	0.000130421	6.15021E-05
7968	0.000103551	6.09283E-05
7969	7.58824E-05	6.12225E-05
7970	6.50599E-05	6.14433E-05
7971	6.11115E-05	6.19995E-05
7972	6.17319E-05	6.31415E-05
7973	6.88998E-05	6.44412E-05
7974	7.99839E-05	4.95246E-05
7975	9.04795E-05	0.000139349
7976	9.27556E-05	0.000123453
7977	9.4142E-05	0.000123511
7978	9.61798E-05	0.000123591
7979	9.80667E-05	0.000123998
7980	9.48102E-05	0.000109657
7981	9.42859E-05	0.0001099
7982	9.14176E-05	0.000109557
7983	9.14326E-05	0.000123462
7984	9.67776E-05	0.000122103
7985	0.000104447	0.000121155
7986	0.000124331	0.000120412
7987	0.000154355	9.0339E-05
7988	0.000167569	7.66351E-05
7989	0.000167889	6.12936E-05
7990	0.000154357	6.21597E-05

7991	0.000130711	6.14802E-05
7992	0.000103754	6.09948E-05
7993	7.58824E-05	6.12225E-05
7994	6.50599E-05	6.14433E-05
7995	6.11115E-05	6.19995E-05
7996	6.17319E-05	6.31415E-05
7997	6.88998E-05	6.44412E-05
7998	7.99839E-05	4.95246E-05
7999	9.04795E-05	0.000139349
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8002	9.61798E-05	0.000123591
8003	9.80667E-05	0.000123998
8004	9.48102E-05	0.000109657
8005	9.42859E-05	0.0001099
8006	9.14176E-05	0.000109557
8007	9.14326E-05	0.000123462
8008	9.67776E-05	0.000122103
8009	0.000104447	0.000121155
8010	0.000124331	0.000120412
8011	0.000154355	9.0339E-05
8012	0.000167569	7.66351E-05
8013	0.000167889	6.12936E-05
8014	0.000154357	6.21597E-05
8015	0.000130711	6.14802E-05
8016	0.000103754	6.09948E-05
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8018	6.50599E-05	6.14433E-05
8019	6.11115E-05	6.19995E-05
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8029	9.42859E-05	0.0001099
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8031	9.14326E-05	0.000123462
8032	9.67776E-05	0.000122103
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8038	0.000154357	6.21597E-05
8039	0.000130711	6.14802E-05
8040	0.000103754	6.09948E-05
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8042	7.36816E-05	6.09263E-05
8043	6.87904E-05	6.15406E-05
8044	6.88249E-05	6.25892E-05
8045	7.57232E-05	6.39159E-05
8046	8.71985E-05	4.93152E-05
8047	9.8182E-05	0.000139839
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8049	0.000103778	0.000125153
8050	0.00010635	0.000125334
8051	0.00010818	0.000125572
8052	0.000105242	0.000110817
8053	0.000104205	0.000110731

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8055	0.000100156	0.000124057
8056	0.000106925	0.000122738
8057	0.000116343	0.0001215
8058	0.000137689	0.000120498
8059	0.000167688	9.02714E-05
8060	0.000180177	7.63732E-05
8061	0.000179834	6.09036E-05
8062	0.000165681	6.15909E-05
8063	0.000140686	6.09127E-05
8064	0.000112921	6.05088E-05
8065	8.5046E-05	6.06655E-05
8066	7.36816E-05	6.09263E-05
8067	6.87904E-05	6.15406E-05
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8069	7.57232E-05	6.39159E-05
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8075	0.00010818	0.000125572
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8080	0.000106925	0.000122738
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8082	0.000137689	0.000120498
8083	0.000167688	9.02714E-05
8084	0.000180177	7.63732E-05
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8087	0.000140686	6.09127E-05
8088	0.000112921	6.05088E-05
8089	8.49293E-05	6.0626E-05
8090	7.29398E-05	6.09176E-05
8091	6.80619E-05	6.15525E-05
8092	6.81325E-05	6.25682E-05
8093	7.50481E-05	6.38731E-05
8094	8.65322E-05	4.92307E-05
8095	9.90779E-05	0.000139744
8096	0.000100166	0.000124609
8097	0.000102694	0.000125003
8098	0.000104964	0.000125198
8099	0.000106627	0.00012548
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8101	0.000102563	0.000110613
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8103	9.87563E-05	0.000123965
8104	0.000105701	0.000122679
8105	0.000115209	0.000121419
8106	0.000136648	0.000120407
8107	0.000166682	9.01416E-05
8108	0.000179294	7.62759E-05
8109	0.000177486	6.08617E-05
8110	0.000164946	6.15887E-05
8111	0.000140076	6.09255E-05
8112	0.000112572	6.05964E-05
8113	8.49293E-05	6.0626E-05
8114	7.29398E-05	6.09176E-05
8115	6.80619E-05	6.15525E-05
8116	6.81325E-05	6.25682E-05

8117	7.50481E-05	6.38731E-05
8118	8.65322E-05	4.92307E-05
8119	9.90779E-05	0.000139744
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8121	0.000102694	0.000125003
8122	0.000104964	0.000125198
8123	0.000106627	0.00012548
8124	0.000103628	0.000110721
8125	0.000102563	0.000110613
8126	9.89203E-05	0.000110098
8127	9.87563E-05	0.000123965
8128	0.000105701	0.000122679
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8131	0.000166682	9.01416E-05
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8134	0.000164946	6.15887E-05
8135	0.000140076	6.09255E-05
8136	0.000112572	6.05964E-05
8137	8.5046E-05	6.06655E-05
8138	7.36816E-05	6.09263E-05
8139	6.87904E-05	6.15406E-05
8140	6.88249E-05	6.25892E-05
8141	7.57232E-05	6.39159E-05
8142	8.71985E-05	4.93152E-05
8143	9.8182E-05	0.000139839
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8145	0.000103778	0.000125153
8146	0.00010635	0.000125334
8147	0.00010818	0.000125572
8148	0.000105242	0.000110817
8149	0.000104205	0.000110731
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8151	0.000100156	0.000124057
8152	0.000106925	0.000122738
8153	0.000116343	0.0001215
8154	0.000137689	0.000120498
8155	0.000167688	9.02714E-05
8156	0.000180177	7.63732E-05
8157	0.000179834	6.09036E-05
8158	0.000165681	6.15909E-05
8159	0.000140686	6.09127E-05
8160	0.000112921	6.05088E-05
8161	8.5046E-05	6.06655E-05
8162	7.36816E-05	6.09263E-05
8163	6.87904E-05	6.15406E-05
8164	6.88249E-05	6.25892E-05
8165	7.57232E-05	6.39159E-05
8166	8.71985E-05	4.93152E-05
8167	9.8182E-05	0.000139839
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8170	0.00010635	0.000125334
8171	0.00010818	0.000125572
8172	0.000105242	0.000110817
8173	0.000104205	0.000110731
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8175	0.000100156	0.000124057
8176	0.000106925	0.000122738
8177	0.000116343	0.0001215
8178	0.000137689	0.000120498
8179	0.000167688	9.02714E-05

8180	0.000180177	7.63732E-05
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8182	0.000165681	6.15909E-05
8183	0.000140686	6.09127E-05
8184	0.000112921	6.05088E-05
8185	8.5046E-05	6.06655E-05
8186	7.36816E-05	6.09263E-05
8187	6.87904E-05	6.15406E-05
8188	6.88249E-05	6.25892E-05
8189	7.57232E-05	6.39159E-05
8190	8.71985E-05	4.93152E-05
8191	9.8182E-05	0.000139839
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8193	0.000103778	0.000125153
8194	0.00010635	0.000125334
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8197	0.000104205	0.000110731
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8199	0.000100156	0.000124057
8200	0.000106925	0.000122738
8201	0.000116343	0.0001215
8202	0.000137689	0.000120498
8203	0.000167688	9.02714E-05
8204	0.000180177	7.63732E-05
8205	0.000179834	6.09036E-05
8206	0.000165681	6.15909E-05
8207	0.000140686	6.09127E-05
8208	0.000112921	6.05088E-05
8209	8.5046E-05	6.06655E-05
8210	7.36816E-05	6.09263E-05
8211	6.87904E-05	6.15406E-05
8212	6.88249E-05	6.25892E-05
8213	7.57232E-05	6.39159E-05
8214	8.71985E-05	4.93152E-05
8215	9.8182E-05	0.000139839
8216	0.000101014	0.00012473
8217	0.000103778	0.000125153
8218	0.00010635	0.000125334
8219	0.00010818	0.000125572
8220	0.000105242	0.000110817
8221	0.000104205	0.000110731
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8224	0.000106925	0.000122738
8225	0.000116343	0.0001215
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8230	0.000165681	6.15909E-05
8231	0.000140686	6.09127E-05
8232	0.000112921	6.05088E-05
8233	8.5046E-05	6.06655E-05
8234	7.36816E-05	6.09263E-05
8235	6.87904E-05	6.15406E-05
8236	6.88249E-05	6.25892E-05
8237	7.57232E-05	6.39159E-05
8238	8.71985E-05	4.93152E-05
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8248	0.000106925	0.000122738
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8255	0.000140686	6.09127E-05
8256	0.000112921	6.05088E-05
8257	8.49293E-05	6.0626E-05
8258	7.29398E-05	6.09176E-05
8259	6.80619E-05	6.15525E-05
8260	6.81325E-05	6.25682E-05
8261	7.50481E-05	6.38731E-05
8262	8.65322E-05	4.92307E-05
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8266	0.000104964	0.000125198
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8269	0.000102563	0.000110613
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8271	9.87563E-05	0.000123965
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8273	0.000115209	0.000121419
8274	0.000136648	0.000120407
8275	0.000166682	9.01416E-05
8276	0.000179294	7.62759E-05
8277	0.000177486	6.08617E-05
8278	0.000164946	6.15887E-05
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8280	0.000112572	6.05964E-05
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8282	7.29398E-05	6.09176E-05
8283	6.80619E-05	6.15525E-05
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8285	7.50481E-05	6.38731E-05
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8305	8.5046E-05	6.06655E-05

8306	7.36816E-05	6.09263E-05
8307	6.87904E-05	6.15406E-05
8308	6.88249E-05	6.25892E-05
8309	7.57232E-05	6.39159E-05
8310	8.71985E-05	4.93152E-05
8311	9.8182E-05	0.000139839
8312	0.000101014	0.00012473
8313	0.000103778	0.000125153
8314	0.00010635	0.000125334
8315	0.00010818	0.000125572
8316	0.000105242	0.000110817
8317	0.000104205	0.000110731
8318	0.00010046	0.000110206
8319	0.000100156	0.000124057
8320	0.000106925	0.000122738
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8322	0.000137689	0.000120498
8323	0.000167688	9.02714E-05
8324	0.000180177	7.63732E-05
8325	0.000179834	6.09036E-05
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8330	7.36816E-05	6.09263E-05
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8374	0.000165681	6.15909E-05
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8376	0.000112921	6.05088E-05
8377	8.5046E-05	6.06655E-05
8378	7.36816E-05	6.09263E-05
8379	6.87904E-05	6.15406E-05
8380	6.88249E-05	6.25892E-05
8381	7.57232E-05	6.39159E-05
8382	8.71985E-05	4.93152E-05
8383	9.8182E-05	0.000139839
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8385	0.000103778	0.000125153
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8387	0.00010818	0.000125572
8388	0.000105242	0.000110817
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8392	0.000106925	0.000122738
8393	0.000116343	0.0001215
8394	0.000137689	0.000120498
8395	0.000167688	9.02714E-05
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8398	0.000165681	6.15909E-05
8399	0.000140686	6.09127E-05
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8402	7.36816E-05	6.09263E-05
8403	6.87904E-05	6.15406E-05
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8405	7.57232E-05	6.39159E-05
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8411	0.00010818	0.000125572
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8415	0.000100156	0.000124057
8416	0.000106925	0.000122738
8417	0.000116343	0.0001215
8418	0.000137689	0.000120498
8419	0.000167688	9.02714E-05
8420	0.000180177	7.63732E-05
8421	0.000179834	6.09036E-05
8422	0.000165681	6.15909E-05
8423	0.000140686	6.09127E-05
8424	0.000112921	6.05088E-05
8425	8.49293E-05	6.0626E-05
8426	7.29398E-05	6.09176E-05
8427	6.80619E-05	6.15525E-05
8428	6.81325E-05	6.25682E-05
8429	7.50481E-05	6.38731E-05
8430	8.65322E-05	4.92307E-05
8431	9.90779E-05	0.000139744

8432	0.000100166	0.000124609
8433	0.000102694	0.000125003
8434	0.000104964	0.000125198
8435	0.000106627	0.00012548
8436	0.000103628	0.000110721
8437	0.000102563	0.000110613
8438	9.89203E-05	0.000110098
8439	9.87563E-05	0.000123965
8440	0.000105701	0.000122679
8441	0.000115209	0.000121419
8442	0.000136648	0.000120407
8443	0.000166682	9.01416E-05
8444	0.000179294	7.62759E-05
8445	0.000177486	6.08617E-05
8446	0.000164946	6.15887E-05
8447	0.000140076	6.09255E-05
8448	0.000112572	6.05964E-05
8449	8.49293E-05	6.0626E-05
8450	7.29398E-05	6.09176E-05
8451	6.80619E-05	6.15525E-05
8452	6.81325E-05	6.25682E-05
8453	7.50481E-05	6.38731E-05
8454	8.65322E-05	4.92307E-05
8455	9.90779E-05	0.000139744
8456	0.000100166	0.000124609
8457	0.000102694	0.000125003
8458	0.000104964	0.000125198
8459	0.000106627	0.00012548
8460	0.000103628	0.000110721
8461	0.000102563	0.000110613
8462	9.89203E-05	0.000110098
8463	9.87563E-05	0.000123965
8464	0.000105701	0.000122679
8465	0.000115209	0.000121419
8466	0.000136648	0.000120407
8467	0.000166682	9.01416E-05
8468	0.000179294	7.62759E-05
8469	0.000177486	6.08617E-05
8470	0.000164946	6.15887E-05
8471	0.000140076	6.09255E-05
8472	0.000112572	6.05964E-05
8473	8.5046E-05	6.06655E-05
8474	7.36816E-05	6.09263E-05
8475	6.87904E-05	6.15406E-05
8476	6.88249E-05	6.25892E-05
8477	7.57232E-05	6.39159E-05
8478	8.71985E-05	4.93152E-05
8479	9.8182E-05	0.000139839
8480	0.000101014	0.00012473
8481	0.000103778	0.000125153
8482	0.00010635	0.000125334
8483	0.00010818	0.000125572
8484	0.000105242	0.000110817
8485	0.000104205	0.000110731
8486	0.00010046	0.000110206
8487	0.000100156	0.000124057
8488	0.000106925	0.000122738
8489	0.000116343	0.0001215
8490	0.000137689	0.000120498
8491	0.000167688	9.02714E-05
8492	0.000180177	7.63732E-05
8493	0.000179834	6.09036E-05
8494	0.000165681	6.15909E-05

8495	0.000140686	6.09127E-05
8496	0.000112921	6.05088E-05
8497	8.5046E-05	6.06655E-05
8498	7.36816E-05	6.09263E-05
8499	6.87904E-05	6.15406E-05
8500	6.88249E-05	6.25892E-05
8501	7.57232E-05	6.39159E-05
8502	8.71985E-05	4.93152E-05
8503	9.8182E-05	0.000139839
8504	0.000101014	0.00012473
8505	0.000103778	0.000125153
8506	0.00010635	0.000125334
8507	0.00010818	0.000125572
8508	0.000105242	0.000110817
8509	0.000104205	0.000110731
8510	0.00010046	0.000110206
8511	0.000100156	0.000124057
8512	0.000106925	0.000122738
8513	0.000116343	0.0001215
8514	0.000137689	0.000120498
8515	0.000167688	9.02714E-05
8516	0.000180177	7.63732E-05
8517	0.000179834	6.09036E-05
8518	0.000165681	6.15909E-05
8519	0.000140686	6.09127E-05
8520	0.000112921	6.05088E-05
8521	8.5046E-05	6.06655E-05
8522	7.36816E-05	6.09263E-05
8523	6.87904E-05	6.15406E-05
8524	6.88249E-05	6.25892E-05
8525	7.57232E-05	6.39159E-05
8526	8.71985E-05	4.93152E-05
8527	9.8182E-05	0.000139839
8528	0.000101014	0.00012473
8529	0.000103778	0.000125153
8530	0.00010635	0.000125334
8531	0.00010818	0.000125572
8532	0.000105242	0.000110817
8533	0.000104205	0.000110731
8534	0.00010046	0.000110206
8535	0.000100156	0.000124057
8536	0.000106925	0.000122738
8537	0.000116343	0.0001215
8538	0.000137689	0.000120498
8539	0.000167688	9.02714E-05
8540	0.000180177	7.63732E-05
8541	0.000179834	6.09036E-05
8542	0.000165681	6.15909E-05
8543	0.000140686	6.09127E-05
8544	0.000112921	6.05088E-05
8545	8.5046E-05	6.06655E-05
8546	7.36816E-05	6.09263E-05
8547	6.87904E-05	6.15406E-05
8548	6.88249E-05	6.25892E-05
8549	7.57232E-05	6.39159E-05
8550	8.71985E-05	4.93152E-05
8551	9.8182E-05	0.000139839
8552	0.000101014	0.00012473
8553	0.000103778	0.000125153
8554	0.00010635	0.000125334
8555	0.00010818	0.000125572
8556	0.000105242	0.000110817
8557	0.000104205	0.000110731

8558	0.00010046	0.000110206
8559	0.000100156	0.000124057
8560	0.000106925	0.000122738
8561	0.000116343	0.0001215
8562	0.000137689	0.000120498
8563	0.000167688	9.02714E-05
8564	0.000180177	7.63732E-05
8565	0.000179834	6.09036E-05
8566	0.000165681	6.15909E-05
8567	0.000140686	6.09127E-05
8568	0.000112921	6.05088E-05
8569	8.5046E-05	6.06655E-05
8570	7.36816E-05	6.09263E-05
8571	6.87904E-05	6.15406E-05
8572	6.88249E-05	6.25892E-05
8573	7.57232E-05	6.39159E-05
8574	8.71985E-05	4.93152E-05
8575	9.8182E-05	0.000139839
8576	0.000101014	0.00012473
8577	0.000103778	0.000125153
8578	0.00010635	0.000125334
8579	0.00010818	0.000125572
8580	0.000105242	0.000110817
8581	0.000104205	0.000110731
8582	0.00010046	0.000110206
8583	0.000100156	0.000124057
8584	0.000106925	0.000122738
8585	0.000116343	0.0001215
8586	0.000137689	0.000120498
8587	0.000167688	9.02714E-05
8588	0.000180177	7.63732E-05
8589	0.000179834	6.09036E-05
8590	0.000165681	6.15909E-05
8591	0.000140686	6.09127E-05
8592	0.000112921	6.05088E-05
8593	8.49293E-05	6.0626E-05
8594	7.29398E-05	6.09176E-05
8595	6.80619E-05	6.15525E-05
8596	6.81325E-05	6.25682E-05
8597	7.50481E-05	6.38731E-05
8598	8.65322E-05	4.92307E-05
8599	9.90779E-05	0.000139744
8600	0.000100166	0.000124609
8601	0.000102694	0.000125003
8602	0.000104964	0.000125198
8603	0.000106627	0.00012548
8604	0.000103628	0.000110721
8605	0.000102563	0.000110613
8606	9.89203E-05	0.000110098
8607	9.87563E-05	0.000123965
8608	0.000105701	0.000122679
8609	0.000115209	0.000121419
8610	0.000136648	0.000120407
8611	0.000166682	9.01416E-05
8612	0.000179294	7.62759E-05
8613	0.000177486	6.08617E-05
8614	0.000164946	6.15887E-05
8615	0.000140076	6.09255E-05
8616	0.000112572	6.05964E-05
8617	8.49293E-05	6.0626E-05
8618	7.29398E-05	6.09176E-05
8619	6.80619E-05	6.15525E-05
8620	6.81325E-05	6.25682E-05

8621	7.50481E-05	6.38731E-05
8622	8.65322E-05	4.92307E-05
8623	9.90779E-05	0.000139744
8624	0.000100166	0.000124609
8625	0.000102694	0.000125003
8626	0.000104964	0.000125198
8627	0.000106627	0.00012548
8628	0.000103628	0.000110721
8629	0.000102563	0.000110613
8630	9.89203E-05	0.000110098
8631	9.87563E-05	0.000123965
8632	0.000105701	0.000122679
8633	0.000115209	0.000121419
8634	0.000136648	0.000120407
8635	0.000166682	9.01416E-05
8636	0.000179294	7.62759E-05
8637	0.000177486	6.08617E-05
8638	0.000164946	6.15887E-05
8639	0.000140076	6.09255E-05
8640	0.000112572	6.05964E-05
8641	8.5046E-05	6.06655E-05
8642	7.36816E-05	6.09263E-05
8643	6.87904E-05	6.15406E-05
8644	6.88249E-05	6.25892E-05
8645	7.57232E-05	6.39159E-05
8646	8.71985E-05	4.93152E-05
8647	9.8182E-05	0.000139839
8648	0.000101014	0.00012473
8649	0.000103778	0.000125153
8650	0.00010635	0.000125334
8651	0.00010818	0.000125572
8652	0.000105242	0.000110817
8653	0.000104205	0.000110731
8654	0.00010046	0.000110206
8655	0.000100156	0.000124057
8656	0.000106925	0.000122738
8657	0.000116343	0.0001215
8658	0.000137689	0.000120498
8659	0.000167688	9.02714E-05
8660	0.000180177	7.63732E-05
8661	0.000179834	6.09036E-05
8662	0.000165681	6.15909E-05
8663	0.000140686	6.09127E-05
8664	0.000112921	6.05088E-05
8665	8.5046E-05	6.06655E-05
8666	7.36816E-05	6.09263E-05
8667	6.87904E-05	6.15406E-05
8668	6.88249E-05	6.25892E-05
8669	7.57232E-05	6.39159E-05
8670	8.71985E-05	4.93152E-05
8671	9.8182E-05	0.000139839
8672	0.000101014	0.00012473
8673	0.000103778	0.000125153
8674	0.00010635	0.000125334
8675	0.00010818	0.000125572
8676	0.000105242	0.000110817
8677	0.000104205	0.000110731
8678	0.00010046	0.000110206
8679	0.000100156	0.000124057
8680	0.000106925	0.000122738
8681	0.000116343	0.0001215
8682	0.000137689	0.000120498
8683	0.000167688	9.02714E-05

8684	0.000180177	7.63732E-05
8685	0.000179834	6.09036E-05
8686	0.000165681	6.15909E-05
8687	0.000140686	6.09127E-05
8688	0.000112921	6.05088E-05
8689	8.5046E-05	6.06655E-05
8690	7.36816E-05	6.09263E-05
8691	6.87904E-05	6.15406E-05
8692	6.88249E-05	6.25892E-05
8693	7.57232E-05	6.39159E-05
8694	8.71985E-05	4.93152E-05
8695	9.8182E-05	0.000139839
8696	0.000101014	0.00012473
8697	0.000103778	0.000125153
8698	0.00010635	0.000125334
8699	0.00010818	0.000125572
8700	0.000105242	0.000110817
8701	0.000104205	0.000110731
8702	0.00010046	0.000110206
8703	0.000100156	0.000124057
8704	0.000106925	0.000122738
8705	0.000116343	0.0001215
8706	0.000137689	0.000120498
8707	0.000167688	9.02714E-05
8708	0.000180177	7.63732E-05
8709	0.000179834	6.09036E-05
8710	0.000165681	6.15909E-05
8711	0.000140686	6.09127E-05
8712	0.000112921	6.05088E-05
8713	8.5046E-05	6.06655E-05
8714	7.36816E-05	6.09263E-05
8715	6.87904E-05	6.15406E-05
8716	6.88249E-05	6.25892E-05
8717	7.57232E-05	6.39159E-05
8718	8.71985E-05	4.93152E-05
8719	9.8182E-05	0.000139839
8720	0.000101014	0.00012473
8721	0.000103778	0.000125153
8722	0.00010635	0.000125334
8723	0.00010818	0.000125572
8724	0.000105242	0.000110817
8725	0.000104205	0.000110731
8726	0.00010046	0.000110206
8727	0.000100156	0.000124057
8728	0.000106925	0.000122738
8729	0.000116343	0.0001215
8730	0.000137689	0.000120498
8731	0.000167688	9.02714E-05
8732	0.000180177	7.63732E-05
8733	0.000179834	6.09036E-05
8734	0.000165681	6.15909E-05
8735	0.000140686	6.09127E-05
8736	0.000112921	6.05088E-05
8737	8.5046E-05	6.06655E-05
8738	7.36816E-05	6.09263E-05
8739	6.87904E-05	6.15406E-05
8740	6.88249E-05	6.25892E-05
8741	7.57232E-05	6.39159E-05
8742	8.71985E-05	4.93152E-05
8743	9.8182E-05	0.000139839
8744	0.000101014	0.00012473
8745	0.000103778	0.000125153
8746	0.00010635	0.000125334

8747	0.00010818	0.000125572
8748	0.000105242	0.000110817
8749	0.000104205	0.000110731
8750	0.00010046	0.000110206
8751	0.000100156	0.000124057
8752	0.000106925	0.000122738
8753	0.000116343	0.0001215
8754	0.000137689	0.000120498
8755	0.000167688	9.02714E-05
8756	0.000180177	7.63732E-05
8757	0.000179834	6.09036E-05
8758	0.000165681	6.15909E-05
8759	0.000140686	6.09127E-05
8760	0.000112921	6.05088E-05
8761	8.5046E-05	6.06655E-05
8762	7.36816E-05	6.09263E-05
8763	6.87904E-05	6.15406E-05
8764	6.88249E-05	6.25892E-05
8765	7.57232E-05	6.39159E-05
8766	8.71985E-05	4.93152E-05
8767	9.8182E-05	0.000139839
8768	0.000101014	0.00012473
8769	0.000103778	0.000125153
8770	0.00010635	0.000125334
8771	0.00010818	0.000125572
8772	0.000105242	0.000110817
8773	0.000104205	0.000110731
8774	0.00010046	0.000110206
8775	0.000100156	0.000124057
8776	0.000106925	0.000122738
8777	0.000116343	0.0001215
8778	0.000137689	0.000120498
8779	0.000167688	9.02714E-05
8780	0.000180177	7.63732E-05
8781	0.000179834	6.09036E-05
8782	0.000165681	6.15909E-05
8783	0.000140686	6.09127E-05
8784	0.000112921	6.05088E-05

Demand Response Bundles

Note: All MW values are system-level, i.e., inclusive of line losses and event opt-outs

CC Avoided Cost												
	RAP						MAP					
	Rates		Residential		C&I		Rates		Residential		C&I	
	DR MW Summer Peak Impact (Cumulative)	Annual Program Costs (Nom $/kW-yr)	DR MW Summer Peak Impact (Cumulative)	Annual Program Costs (Nom $/kW-yr)	DR MW Summer Peak Impact (Cumulative)	Annual Program Costs (Nom $/kW-yr)	DR MW Summer Peak Impact (Cumulative)	Annual Program Costs (Nom $/kW-yr)	DR MW Summer Peak Impact (Cumulative)	Annual Program Costs (Nom $/kW-yr)	DR MW Summer Peak Impact (Cumulative)	Annual Program Costs (Nom $/kW-yr)
2024	0.00		4.30	$104.32	14.07	$103.47	0.00		7.35	$128.27	26.06	$151.94
2025	0.00		4.26	$97.68	21.03	$95.07	0.00		8.01	$123.37	39.00	$149.15
2026	0.00		4.27	$99.93	27.81	$91.56	0.00		8.90	$126.02	51.64	$148.99
2027	0.00		4.32	$102.15	34.36	$89.99	0.00		10.00	$128.61	63.89	$149.89
2028	0.00		4.41	$104.35	33.87	$91.66	0.00		11.26	$131.18	63.05	$152.54
2029	0.00		4.54	$106.53	33.39	$86.27	0.00		12.63	$133.77	62.74	$152.56
2030	4.90	$261.74	4.69	$108.72	32.98	$87.71	11.79	$192.19	14.10	$136.39	62.52	$156.26
2031	10.00	$144.90	4.86	$110.90	32.68	$89.13	23.99	$24.11	15.65	$139.07	62.47	$159.94
2032	15.00	$105.39	5.06	$113.10	32.45	$90.55	35.88	$16.46	17.24	$141.81	62.55	$163.62
2033	15.08	$63.99	5.27	$115.32	32.25	$91.96	35.95	$16.77	18.87	$144.62	62.65	$167.30
2034	15.16	$65.12	5.50	$117.57	32.06	$93.37	36.03	$17.08	20.53	$147.50	62.76	$170.98
2035	15.24	$66.27	5.75	$119.86	31.86	$94.80	36.11	$17.40	22.22	$150.45	62.83	$174.66
2036	15.32	$67.45	6.06	$122.16	32.08	$97.31	36.18	$17.73	24.13	$153.49	62.87	$178.35
2037	15.40	$68.64	6.37	$124.50	32.29	$99.84	36.25	$18.07	26.05	$156.57	62.88	$182.04
2038	15.48	$69.85	6.69	$126.88	32.46	$102.37	36.32	$18.41	27.98	$159.73	62.85	$185.73
2039	15.56	$71.09	7.03	$137.87	32.61	$104.91	36.39	$18.76	29.93	$169.16	62.78	$189.43
2040	15.64	$72.35	6.64	$140.38	32.75	$107.46	36.47	$19.12	30.75	$172.64	62.71	$193.13
2041	15.73	$73.63	7.07	$142.55	32.86	$110.02	36.54	$19.48	32.84	$176.54	62.60	$196.84
2042	15.81	$74.93	7.49	$144.82	32.95	$112.59	36.61	$19.85	34.93	$180.31	62.45	$200.55
2043	15.89	$76.26	7.92	$147.13	33.02	$115.17	36.69	$20.23	37.02	$183.93	62.28	$204.27

Alternative Avoided Cost												
	RAP						MAP					
	Rates		Residential		C&I		Rates		Residential		C&I	
	DR MW Summer Peak Impact (Cumulative)	Annual Program Costs (Nom $/kW-yr)	DR MW Summer Peak Impact (Cumulative)	Annual Program Costs (Nom $/kW-yr)	DR MW Summer Peak Impact (Cumulative)	Annual Program Costs (Nom $/kW-yr)	DR MW Summer Peak Impact (Cumulative)	Annual Program Costs (Nom $/kW-yr)	DR MW Summer Peak Impact (Cumulative)	Annual Program Costs (Nom $/kW-yr)	DR MW Summer Peak Impact (Cumulative)	Annual Program Costs (Nom $/kW-yr)
2024	0.00		2.15	$89.31	8.53	$94.30	0.00		4.90	$105.03	15.68	$108.75
2025	0.00		2.13	$75.27	12.89	$79.33	0.00		5.34	$97.45	23.40	$101.38
2026	0.00		2.13	$77.04	17.21	$72.58	0.00		5.94	$99.43	30.90	$98.36
2027	0.00		2.16	$78.72	21.48	$69.10	0.00		6.67	$101.33	38.12	$97.09
2028	0.00		2.21	$80.33	21.36	$70.86	0.00		7.51	$103.20	37.51	$98.73
2029	0.00		2.27	$81.87	21.25	$61.51	0.00		8.42	$105.09	37.44	$95.11
2030	4.90	$261.74	2.34	$83.38	21.17	$62.99	11.86	$191.03	9.40	$107.02	37.41	$97.65
2031	10.00	$144.90	2.43	$84.86	21.14	$64.44	24.16	$23.94	10.43	$109.00	37.48	$100.17
2032	15.00	$105.39	2.53	$86.32	21.16	$65.88	36.17	$16.32	11.50	$111.04	37.63	$102.68
2033	15.08	$63.99	2.64	$87.78	21.19	$67.31	36.29	$16.61	12.58	$113.15	37.78	$105.19
2034	15.16	$65.12	2.75	$89.26	21.22	$68.75	36.40	$16.91	13.69	$115.31	37.93	$107.71
2035	15.24	$66.27	2.88	$90.75	21.24	$70.20	36.52	$17.21	14.81	$117.54	38.05	$110.23
2036	15.32	$67.45	3.03	$92.21	21.24	$71.66	36.63	$17.52	16.09	$119.85	38.15	$112.76
2037	15.40	$68.64	3.19	$93.71	21.24	$73.13	36.74	$17.83	17.36	$122.18	38.24	$115.29
2038	15.48	$69.85	3.35	$95.25	21.23	$74.61	36.86	$18.15	18.65	$124.58	38.29	$117.84
2039	15.56	$71.09	3.51	$96.99	21.20	$76.11	36.97	$18.47	19.95	$127.26	38.32	$120.39
2040	15.64	$72.35	3.32	$98.23	21.17	$77.62	37.09	$18.80	20.50	$128.98	38.34	$122.94
2041	15.73	$73.63	3.53	$99.76	21.13	$79.15	37.20	$19.14	21.89	$131.59	38.34	$125.50
2042	15.81	$74.93	3.75	$101.38	21.07	$80.68	37.32	$19.48	23.29	$134.26	38.31	$128.08
2043	15.89	$76.26	3.96	$103.06	21.01	$82.24	37.43	$19.82	24.68	$136.99	38.27	$130.66

T&D Avoided Cost	
Rates & Residential	C&I
T&D Total	Excluding Large C&I Distribution Costs
$35.34	$10.18
$36.03	$10.38
$36.88	$10.62
$37.81	$10.89
$38.71	$11.15
$39.60	$11.41
$40.47	$11.66
$41.29	$11.90
$42.13	$12.14
$42.97	$12.38
$43.85	$12.63
$44.75	$12.89
$45.66	$13.15
$46.61	$13.43
$47.58	$13.71
$48.57	$13.99
$49.58	$14.29
$50.63	$14.59
$51.70	$14.90
$52.80	$15.21

Annual DSM Savings Summary

															CC Avoid
	RAP														
	Residential			Tier 1			Tier 2			IQW			C&I		
	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)
2024	42,626	7.49	5.18	41,729	6.72	4.98	897	0.77	0.11	744	0.24	0.10	72,236	12.60	9.61
2025	65,995	13.13	8.16	64,030	11.44	7.75	1,965	1.70	0.23	1,524	0.49	0.21	140,139	24.12	17.98
2026	90,970	19.34	11.32	87,739	16.52	10.68	3,231	2.81	0.38	2,297	0.73	0.31	205,301	34.94	25.38
2027	117,476	26.09	14.65	112,775	21.96	13.76	4,701	4.12	0.54	3,128	0.99	0.42	267,221	45.03	31.77
2028	140,745	32.82	17.61	134,519	27.22	16.46	6,227	5.61	0.70	4,022	1.26	0.54	324,590	54.45	37.16
2029	164,024	39.51	20.57	156,299	32.63	19.15	7,724	6.88	0.89	4,980	1.54	0.67	369,219	61.60	40.28
2030	111,999	32.86	14.64	104,828	26.54	13.29	7,171	6.32	0.82	4,855	1.50	0.64	350,417	58.90	38.33
2031	103,386	31.09	13.70	96,782	25.39	12.38	6,605	5.70	0.79	4,747	1.48	0.63	333,787	56.94	37.01
2032	92,442	28.87	12.44	86,491	23.88	11.15	5,951	4.99	0.76	4,717	1.47	0.63	312,003	54.16	35.31
2033	80,156	26.38	10.98	74,940	22.19	9.73	5,216	4.19	0.73	4,467	1.43	0.59	291,283	51.41	33.51
2034	73,997	24.55	10.12	69,391	21.23	8.93	4,606	3.32	0.67	4,132	1.38	0.55	262,510	46.80	30.40
2035	67,990	23.49	9.23	63,635	20.24	8.10	4,355	3.25	0.62	3,771	1.32	0.50	238,977	42.53	27.11
2036	61,168	22.22	8.19	57,080	19.03	7.12	4,088	3.19	0.55	3,381	1.26	0.45	202,094	36.00	21.78
2037	54,089	20.89	7.12	50,283	17.77	6.11	3,806	3.12	0.49	2,960	1.19	0.39	167,155	29.92	17.02
2038	48,137	19.36	6.24	44,623	16.31	5.30	3,514	3.05	0.42	2,500	1.12	0.33	136,257	24.50	12.84
2039	39,262	16.95	4.97	36,135	14.04	4.20	3,127	2.91	0.34	2,236	1.04	0.30	96,404	16.54	7.44
2040	33,536	14.79	4.16	30,552	12.02	3.49	2,984	2.78	0.32	2,110	0.98	0.28	76,862	12.34	4.68
2041	27,419	12.54	3.30	24,605	9.92	2.74	2,815	2.62	0.30	1,982	0.92	0.27	62,075	8.99	2.85
2042	21,441	10.22	2.51	18,823	7.77	2.07	2,618	2.45	0.27	1,833	0.85	0.25	48,474	6.09	1.60
2043	15,063	7.72	1.69	12,671	5.47	1.36	2,392	2.25	0.24	1,676	0.79	0.23	37,030	3.56	0.75
2044	8,883	5.46	0.91	6,784	3.48	0.71	2,099	1.98	0.21	1,515	0.73	0.21	22,918	0.96	0.12
2045	7,567	4.48	0.81	5,535	2.60	0.61	2,032	1.88	0.20	1,469	0.71	0.20	17,431	0.70	0.08
2046	6,427	3.39	0.77	4,477	1.62	0.57	1,950	1.76	0.20	1,421	0.69	0.20	12,108	0.48	0.05
2047	5,122	2.13	0.72	3,269	0.51	0.52	1,853	1.63	0.19	1,371	0.67	0.19	6,987	0.31	0.03
2048	4,637	1.92	0.67	2,896	0.46	0.48	1,741	1.47	0.19	1,345	0.65	0.19	3,593	0.16	0.02
2049	3,756	1.54	0.57	2,292	0.38	0.41	1,464	1.17	0.17	1,149	0.55	0.16	253	0.03	0.00
2050	3,171	1.33	0.48	1,900	0.31	0.34	1,271	1.01	0.14	962	0.46	0.13	240	0.03	0.00
2051	2,474	1.07	0.37	1,442	0.24	0.26	1,032	0.83	0.12	756	0.36	0.11	225	0.03	0.00
2052	1,790	0.77	0.27	1,047	0.18	0.19	743	0.60	0.08	528	0.25	0.07	206	0.03	0.00
2053	968	0.42	0.14	569	0.10	0.10	399	0.32	0.04	277	0.13	0.04	186	0.03	0.00
2054	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	140	0.02	0.00
2055	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	117	0.02	0.00
2056	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	91	0.02	0.00
2057	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	63	0.01	0.00
2058	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	32	0.01	0.00
2059	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
2060	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00

CC Avoid

	RAP														
	Residential			Tier 1			Tier 2			IQW			C&I		
	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)
2024															
2025															
2026															
2027															
2028															
2029															
2030	75,313	13.44	8.88	73,172	11.54	8.54	2,141	1.90	0.26	1,158	0.33	0.16	64,790	10.20	5.23
2031	107,594	22.21	12.80	103,234	18.31	12.14	4,360	3.90	0.49	2,382	0.66	0.32	130,178	20.14	10.08
2032	140,306	31.20	16.75	133,602	25.20	15.75	6,704	6.01	0.73	3,613	1.00	0.49	199,379	30.60	15.05
2033	173,032	40.32	20.58	163,886	32.12	19.25	9,146	8.19	0.98	4,934	1.36	0.66	268,994	41.32	20.14
2034	197,055	48.54	23.41	185,779	38.13	21.76	11,276	10.41	1.21	6,356	1.74	0.85	338,157	52.43	25.23
2035	220,164	55.88	26.15	207,144	44.09	24.19	13,020	11.79	1.44	7,877	2.14	1.05	395,206	61.82	29.20
2036	154,759	47.08	18.69	142,843	36.41	16.86	11,917	10.67	1.31	7,714	2.10	1.02	364,850	57.97	27.06
2037	141,918	44.30	17.30	131,002	34.71	15.51	10,916	9.58	1.26	7,569	2.07	1.00	337,666	54.98	25.54
2038	127,704	41.27	15.68	117,814	32.80	13.95	9,889	8.47	1.21	7,522	2.05	1.00	304,060	50.97	23.47
2039	112,566	38.10	13.90	103,711	30.75	12.22	8,856	7.35	1.16	7,156	1.99	0.94	274,678	47.05	21.05
2040	104,681	35.77	12.81	96,640	29.55	11.21	8,041	6.22	1.09	6,611	1.91	0.87	231,375	39.96	17.13
2041	97,003	34.46	11.69	89,293	28.32	10.17	7,710	6.13	1.01	6,027	1.82	0.79	205,377	35.46	14.70
2042	88,258	32.83	10.43	80,880	26.78	8.98	7,377	6.05	0.94	5,398	1.73	0.71	177,979	30.65	12.22
2043	79,244	31.17	9.14	72,198	25.20	7.76	7,046	5.96	0.86	4,720	1.64	0.62	148,882	25.64	9.71
2044	71,280	29.48	8.04	64,522	23.55	6.74	6,758	5.92	0.79	3,995	1.53	0.53	124,544	21.26	7.73
2045	58,426	26.33	6.34	52,229	20.67	5.24	6,197	5.66	0.68	3,524	1.44	0.47	90,730	14.39	4.72
2046	50,340	23.62	5.28	44,447	18.21	4.30	5,893	5.41	0.63	3,366	1.38	0.45	78,183	11.63	3.42
2047	41,920	20.83	4.18	36,362	15.67	3.34	5,558	5.15	0.58	3,193	1.32	0.43	65,211	8.84	2.21
2048	34,060	17.36	3.35	28,865	12.48	2.65	5,195	4.88	0.53	2,978	1.26	0.41	52,968	6.35	1.37
2049	25,912	13.71	2.51	21,107	9.12	1.96	4,805	4.59	0.46	2,744	1.18	0.38	40,810	3.85	0.64
2050	17,900	10.24	1.74	13,644	6.14	1.34	4,256	4.10	0.39	2,501	1.12	0.36	25,069	1.20	0.10
2051	15,384	8.39	1.59	11,276	4.51	1.21	4,108	3.88	0.39	2,443	1.10	0.35	19,691	1.01	0.09
2052	13,177	6.52	1.53	9,225	2.86	1.15	3,952	3.65	0.38	2,382	1.08	0.34	14,183	0.80	0.08
2053	10,814	4.57	1.46	7,024	1.16	1.08	3,790	3.41	0.37	2,318	1.05	0.33	8,549	0.57	0.06
2054	9,967	4.24	1.40	6,344	1.08	1.03	3,622	3.17	0.37	2,286	1.03	0.32	4,532	0.32	0.04
2055	7,953	3.42	1.17	4,958	0.88	0.86	2,996	2.54	0.31	1,949	0.87	0.28	396	0.06	0.01
2056	6,541	2.84	0.96	4,054	0.72	0.71	2,487	2.12	0.26	1,618	0.72	0.23	367	0.06	0.01
2057	4,985	2.20	0.73	3,057	0.55	0.53	1,927	1.65	0.20	1,258	0.56	0.18	336	0.06	0.01
2058	3,439	1.52	0.50	2,116	0.38	0.37	1,323	1.14	0.13	869	0.38	0.12	304	0.06	0.01
2059	1,772	0.78	0.26	1,094	0.20	0.19	678	0.59	0.07	450	0.20	0.06	271	0.06	0.00
2060	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	203	0.05	0.00
2061	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	166	0.04	0.00
2062	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	127	0.03	0.00
2063	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	86	0.02	0.00
2064	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	44	0.01	0.00

CC Avoid

	RAP														
	Residential			Tier 1			Tier 2			IQW			C&I		
	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)
2024															
2025															
2026															
2027															
2028															
2029															
2030															
2031															
2032															
2033															
2034															
2035															
2036	88,493	15.96	10.19	85,659	13.48	9.75	2,834	2.48	0.36	1,791	0.5	0.2	85,505	13.07	5.91
2037	124,398	25.83	14.30	118,857	20.95	13.49	5,541	4.87	0.63	3,675	0.9	0.5	167,657	25.26	11.16
2038	159,577	35.56	18.31	151,335	28.31	17.13	8,242	7.26	0.91	5,575	1.4	0.7	251,076	37.59	16.42
2039	197,887	45.76	22.79	186,943	36.13	21.25	10,943	9.63	1.19	7,600	1.9	1.0	329,395	49.76	21.88
2040	225,038	54.64	26.03	211,912	42.69	24.16	13,126	11.95	1.42	9,759	2.5	1.3	404,355	61.99	27.22
2041	251,710	62.39	29.25	236,915	49.19	27.06	14,795	13.20	1.65	12,044	3.1	1.6	460,125	71.33	31.03
2042	183,351	53.14	21.45	169,793	41.19	19.41	13,558	11.95	1.51	11,831	3.0	1.6	422,317	66.65	28.72
2043	169,813	50.23	19.98	157,324	39.44	17.99	12,489	10.79	1.46	11,644	3.0	1.5	389,312	63.03	27.07
2044	155,389	47.38	18.35	143,908	37.68	16.41	11,481	9.70	1.41	11,641	3.0	1.5	349,898	58.50	24.85
2045	140,174	44.39	16.57	129,700	35.78	14.67	10,474	8.61	1.37	11,194	2.9	1.5	317,153	54.21	22.25
2046	130,716	42.07	15.29	121,022	34.54	13.47	9,694	7.52	1.29	10,355	2.8	1.4	265,562	45.58	18.10
2047	121,600	40.78	14.01	112,194	33.30	12.26	9,406	7.48	1.22	9,450	2.7	1.2	233,322	39.90	15.53
2048	111,275	39.14	12.58	102,156	31.69	10.90	9,118	7.44	1.15	8,477	2.6	1.1	200,059	34.01	12.89
2049	100,785	37.47	11.13	91,954	30.07	9.52	8,831	7.40	1.08	7,427	2.4	1.0	166,046	28.09	10.26
2050	91,421	35.54	9.87	82,877	28.18	8.34	8,544	7.36	1.01	6,263	2.3	0.8	138,177	22.97	8.20
2051	76,870	31.96	8.11	69,047	24.94	6.81	7,823	7.02	0.86	5,437	2.1	0.7	99,698	15.33	5.04
2052	68,300	29.01	7.14	60,925	22.29	5.99	7,375	6.71	0.79	5,171	2.0	0.7	85,253	12.41	3.67
2053	59,672	26.04	6.16	52,756	19.63	5.18	6,916	6.40	0.72	4,884	1.9	0.7	70,707	9.50	2.39
2054	47,633	21.42	4.83	41,183	15.33	4.01	6,449	6.09	0.64	4,539	1.8	0.6	57,348	6.94	1.51
2055	35,459	16.76	3.50	29,483	10.98	2.85	5,976	5.78	0.56	4,166	1.7	0.6	44,312	4.38	0.74
2056	23,270	12.35	2.22	17,946	7.14	1.75	5,324	5.21	0.47	3,798	1.6	0.5	27,224	1.58	0.14
2057	19,974	10.20	2.06	14,826	5.25	1.59	5,148	4.95	0.46	3,720	1.6	0.5	21,249	1.29	0.12
2058	17,146	8.11	1.98	12,174	3.42	1.53	4,972	4.69	0.46	3,626	1.6	0.5	15,237	0.99	0.10
2059	14,278	6.01	1.91	9,482	1.58	1.46	4,796	4.43	0.45	3,538	1.5	0.5	9,190	0.69	0.08
2060	13,247	5.65	1.84	8,627	1.49	1.40	4,620	4.17	0.44	3,494	1.5	0.5	4,845	0.38	0.05
2061	10,343	4.48	1.51	6,604	1.18	1.15	3,739	3.30	0.36	2,965	1.3	0.4	458	0.08	0.02
2062	8,265	3.60	1.21	5,253	0.94	0.91	3,012	2.66	0.29	2,448	1.1	0.4	422	0.08	0.01
2063	6,138	2.70	0.89	3,866	0.69	0.67	2,272	2.01	0.22	1,895	0.8	0.3	386	0.08	0.01
2064	4,118	1.81	0.60	2,596	0.47	0.45	1,522	1.35	0.15	1,302	0.6	0.2	351	0.08	0.01
2065	2,069	0.91	0.30	1,305	0.23	0.23	764	0.68	0.07	670	0.3	0.1	316	0.08	0.00
2066	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	237	0.07	0.00
2067	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	191	0.05	0.00
2068	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	144	0.04	0.00
2069	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	96	0.03	0.00
2070	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	48	0.01	0.00

2024-2029 Program

ed Cost

MAP														
Residential			Tier 1			Tier 2			IQW			C&I		
DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)
47,210	8.29	5.67	46,286	7.54	5.46	924	0.75	0.11	744	0.24	0.10	79,171	14.69	11.32
77,455	15.79	9.42	75,242	13.93	8.94	2,214	1.87	0.26	1,524	0.49	0.21	156,395	28.56	21.28
113,277	25.36	13.80	109,297	21.90	12.99	3,980	3.46	0.44	2,297	0.73	0.31	233,574	42.02	30.16
155,361	37.33	18.84	149,050	31.66	17.65	6,312	5.67	0.68	3,128	0.99	0.42	309,556	55.02	37.88
198,661	51.22	23.95	189,579	42.66	22.34	9,082	8.56	0.95	4,022	1.26	0.54	383,937	67.71	44.53
245,630	66.90	29.39	233,417	55.11	27.31	12,213	11.79	1.26	4,980	1.54	0.67	445,589	78.20	48.56
192,736	59.53	23.38	181,368	48.52	21.40	11,368	11.01	1.15	4,855	1.50	0.64	421,123	74.90	46.27
176,834	55.99	21.66	166,423	45.96	19.75	10,412	10.03	1.10	4,747	1.48	0.63	398,134	72.37	44.67
156,297	51.24	19.39	147,103	42.54	17.55	9,194	8.70	1.03	4,717	1.47	0.63	367,597	68.65	42.62
132,367	45.52	16.73	124,612	38.50	14.96	7,756	7.02	0.96	4,467	1.43	0.59	339,988	64.98	40.19
122,010	40.79	15.57	115,481	35.78	13.87	6,530	5.01	0.89	4,132	1.38	0.55	303,583	59.21	36.32
111,310	37.44	14.28	105,200	32.65	12.66	6,109	4.79	0.82	3,771	1.32	0.50	277,095	54.28	32.59
101,059	35.59	12.75	95,401	31.02	11.22	5,658	4.57	0.73	3,381	1.26	0.45	235,684	46.70	26.50
89,891	33.59	11.07	84,707	29.24	9.64	5,183	4.34	0.64	2,960	1.19	0.39	195,451	39.40	21.02
79,952	31.42	9.60	75,257	27.30	8.26	4,695	4.12	0.55	2,500	1.12	0.33	159,924	32.77	16.26
66,721	28.23	7.72	62,583	24.39	6.59	4,138	3.85	0.44	2,236	1.04	0.30	113,030	22.43	9.88
59,090	25.41	6.61	55,218	21.81	5.63	3,873	3.60	0.41	2,110	0.98	0.28	90,066	16.98	6.39
50,206	22.14	5.35	46,631	18.80	4.54	3,575	3.34	0.38	1,982	0.92	0.27	72,149	12.50	4.01
40,310	18.11	4.14	37,070	15.06	3.51	3,240	3.04	0.33	1,833	0.85	0.25	56,873	8.55	2.30
28,946	13.42	2.81	26,089	10.70	2.38	2,857	2.72	0.28	1,676	0.79	0.23	43,358	4.98	1.09
16,989	8.69	1.49	14,501	6.28	1.26	2,489	2.42	0.23	1,515	0.73	0.21	26,954	1.32	0.18
13,922	7.13	1.25	11,486	4.78	1.02	2,435	2.34	0.23	1,469	0.71	0.20	21,260	1.03	0.13
11,400	5.29	1.18	9,042	3.05	0.96	2,359	2.24	0.22	1,421	0.69	0.20	15,200	0.76	0.09
8,135	3.02	1.10	5,881	0.93	0.89	2,254	2.10	0.22	1,371	0.67	0.19	8,860	0.53	0.07
7,256	2.75	1.04	5,139	0.84	0.83	2,117	1.91	0.21	1,345	0.65	0.19	4,678	0.28	0.03
5,883	2.28	0.92	4,043	0.70	0.73	1,840	1.58	0.19	1,149	0.55	0.16	316	0.04	0.01
5,202	2.06	0.81	3,526	0.61	0.64	1,675	1.44	0.17	962	0.46	0.13	302	0.04	0.01
4,281	1.73	0.67	2,849	0.50	0.52	1,432	1.24	0.15	756	0.36	0.11	284	0.04	0.01
3,254	1.32	0.51	2,169	0.38	0.39	1,085	0.94	0.11	528	0.25	0.07	262	0.04	0.00
1,843	0.75	0.29	1,231	0.22	0.22	612	0.53	0.06	277	0.13	0.04	236	0.04	0.00
0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	192	0.04	0.00
0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	172	0.03	0.00
0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	143	0.03	0.00
0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	105	0.02	0.00
0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	57	0.01	0.00
0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00

2030-2035 Program

ed Cost

MAP														
Residential			Tier 1			Tier 2			IQW			C&I		
DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)
102,414	24.52	11.64	98,094	20.06	11.03	4,320	4.45	0.44	1,158	0.33	0.16	88,506	14.39	6.61
169,804	46.27	19.11	160,883	36.94	17.92	8,921	9.33	0.85	2,382	0.66	0.32	178,450	28.63	12.79
247,784	69.98	27.66	234,070	55.50	25.89	13,715	14.48	1.27	3,613	1.00	0.49	272,989	43.51	19.08
319,736	93.53	35.33	301,124	73.76	32.96	18,612	19.77	1.70	4,934	1.36	0.66	364,565	58.51	25.51
372,751	115.19	40.76	349,880	90.16	37.86	22,871	25.03	2.06	6,356	1.74	0.85	454,310	73.85	31.94
423,967	134.61	46.00	397,983	106.56	42.59	25,984	28.06	2.41	7,877	2.14	1.05	524,424	86.52	36.68
341,168	119.62	36.81	317,824	94.79	33.65	23,345	24.82	2.17	7,714	2.10	1.02	482,199	81.42	33.92
310,317	110.26	33.70	289,507	88.76	30.66	20,811	21.50	2.05	7,569	2.07	1.00	443,987	77.31	31.87
277,354	100.35	30.28	259,137	82.28	27.37	18,217	18.07	1.93	7,522	2.05	1.00	397,938	71.93	29.08
242,443	90.05	26.58	226,825	75.46	23.79	15,618	14.59	1.82	7,156	1.99	0.94	359,225	66.80	25.85
223,290	81.46	24.48	209,863	70.35	21.82	13,427	11.10	1.69	6,611	1.91	0.87	303,003	57.23	21.00
204,854	75.77	22.31	192,214	65.16	19.79	12,640	10.61	1.56	6,027	1.82	0.79	269,461	50.87	18.11
188,259	72.32	19.94	176,377	62.18	17.55	11,882	10.14	1.44	5,398	1.73	0.71	233,633	44.00	15.08
171,402	68.79	17.55	160,260	59.09	15.28	11,142	9.69	1.31	4,720	1.64	0.62	196,107	36.86	12.03
157,228	66.02	15.59	146,433	56.37	13.41	10,796	9.65	1.23	3,995	1.53	0.53	165,377	30.63	9.69
133,880	59.26	12.70	123,835	49.97	10.83	10,045	9.29	1.08	3,524	1.44	0.47	122,734	20.88	6.04
117,909	52.87	10.83	108,331	43.93	9.19	9,578	8.93	1.01	3,366	1.38	0.45	106,179	16.94	4.39
100,737	45.91	8.87	91,679	37.37	7.46	9,059	8.54	0.93	3,193	1.32	0.43	89,179	12.96	2.84
82,511	37.69	7.19	74,009	29.56	6.03	8,502	8.13	0.84	2,978	1.26	0.41	73,117	9.43	1.81
63,327	28.95	5.48	55,408	21.25	4.57	7,919	7.70	0.75	2,744	1.18	0.38	57,106	5.89	0.90
43,396	20.15	3.83	36,277	13.18	3.18	7,120	6.98	0.65	2,501	1.12	0.36	36,342	2.08	0.18
35,352	16.27	3.37	28,453	9.61	2.74	6,899	6.66	0.64	2,443	1.10	0.35	28,445	1.74	0.16
28,978	12.49	3.23	22,319	6.17	2.61	6,659	6.32	0.63	2,382	1.08	0.34	20,284	1.36	0.14
22,320	8.60	3.09	15,913	2.65	2.47	6,407	5.96	0.61	2,318	1.05	0.33	11,947	0.96	0.12
20,540	8.06	2.99	14,394	2.48	2.39	6,146	5.58	0.60	2,286	1.03	0.32	6,353	0.54	0.07
16,431	6.58	2.55	11,301	2.03	2.03	5,130	4.54	0.52	1,949	0.87	0.28	659	0.11	0.02
13,523	5.45	2.09	9,265	1.67	1.67	4,258	3.78	0.43	1,618	0.72	0.23	622	0.11	0.01
10,284	4.19	1.59	6,998	1.27	1.26	3,286	2.92	0.33	1,258	0.56	0.18	584	0.11	0.01
7,018	2.86	1.08	4,780	0.87	0.86	2,238	1.99	0.22	869	0.38	0.12	544	0.11	0.01
3,570	1.45	0.55	2,433	0.44	0.44	1,137	1.01	0.11	450	0.20	0.06	507	0.11	0.00
0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	404	0.10	0.00
0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	331	0.08	0.00
0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	253	0.06	0.00
0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	172	0.04	0.00
0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	87	0.02	0.00

2036-2041 Program

ed Cost

MAP														
Residential			Tier 1			Tier 2			IQW			C&I		
DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)
130,733	31.9	14.2	125,295	26.03	13.49	5,438	5.83	0.56	1,791	0.5	0.2	108,506	17.35	7.23
208,062	57.3	22.2	197,591	45.90	20.88	10,471	11.35	0.99	3,675	0.9	0.5	211,834	33.56	13.74
283,487	82.0	29.9	268,202	65.39	28.02	15,285	16.64	1.39	5,575	1.4	0.7	315,441	49.78	20.24
362,494	107.3	38.1	342,586	85.62	35.67	19,908	21.71	1.78	7,600	1.9	1.0	410,220	65.60	26.98
417,419	129.5	43.6	393,814	102.97	40.67	23,605	26.51	2.08	9,759	2.5	1.3	500,745	81.42	33.58
470,193	148.1	48.9	444,467	119.96	45.58	25,726	28.13	2.37	12,044	3.1	1.6	566,180	93.52	38.12
382,554	131.5	39.4	359,737	107.14	36.24	22,817	24.36	2.13	11,831	3.0	1.6	519,292	87.81	35.21
350,065	121.4	36.2	329,880	100.64	33.18	20,186	20.78	2.01	11,644	3.0	1.5	478,099	83.30	33.04
317,858	112.5	32.9	299,805	94.79	30.01	18,052	17.73	1.95	11,641	3.0	1.5	428,953	77.66	30.10
283,673	103.3	29.4	267,754	88.65	26.53	15,919	14.68	1.88	11,194	2.9	1.5	388,413	72.38	26.78
263,513	95.7	27.2	249,343	84.01	24.44	14,170	11.65	1.79	10,355	2.8	1.4	325,001	61.16	21.70
244,737	91.0	25.1	230,914	79.38	22.36	13,823	11.60	1.70	9,450	2.7	1.2	286,507	53.63	18.65
226,942	87.5	22.7	213,464	75.93	20.11	13,477	11.55	1.62	8,477	2.6	1.1	246,768	45.87	15.48
208,857	83.8	20.4	195,726	72.32	17.85	13,132	11.50	1.53	7,427	2.4	1.0	206,699	38.17	12.33
192,394	79.8	18.3	179,607	68.34	15.89	12,786	11.45	1.45	6,263	2.3	0.8	174,472	31.57	9.94
165,305	70.8	15.4	153,479	59.83	13.28	11,826	10.95	1.26	5,437	2.1	0.7	129,246	21.50	6.20
146,226	62.6	13.5	135,023	52.13	11.62	11,203	10.50	1.17	5,171	2.0	0.7	111,320	17.46	4.49
127,003	54.4	11.5	116,423	44.36	9.95	10,579	10.04	1.07	4,884	1.9	0.7	93,395	13.43	2.92
101,726	43.8	9.2	91,774	34.24	7.87	9,952	9.58	0.97	4,539	1.8	0.6	76,533	9.87	1.89
76,288	33.2	6.8	66,964	24.06	5.79	9,324	9.12	0.87	4,166	1.7	0.6	60,053	6.31	0.97
50,046	22.7	4.5	41,620	14.39	3.76	8,426	8.27	0.76	3,798	1.6	0.5	38,071	2.36	0.21
40,718	18.3	4.0	32,565	10.47	3.26	8,153	7.88	0.75	3,720	1.6	0.5	29,469	1.91	0.18
33,651	14.3	3.9	25,770	6.84	3.12	7,881	7.49	0.74	3,626	1.6	0.5	20,862	1.47	0.15
26,561	10.3	3.7	18,953	3.21	2.98	7,609	7.09	0.72	3,538	1.5	0.5	12,252	1.02	0.13
24,645	9.7	3.6	17,308	3.03	2.90	7,337	6.70	0.71	3,494	1.5	0.5	6,509	0.58	0.07
19,074	7.7	2.9	13,171	2.39	2.36	5,903	5.27	0.59	2,965	1.3	0.4	728	0.14	0.02
15,144	6.1	2.3	10,417	1.90	1.87	4,727	4.22	0.47	2,448	1.1	0.4	688	0.14	0.02
11,188	4.6	1.7	7,643	1.39	1.37	3,545	3.17	0.35	1,895	0.8	0.3	647	0.14	0.01
7,459	3.0	1.1	5,096	0.93	0.92	2,363	2.11	0.23	1,302	0.6	0.2	606	0.14	0.01
3,730	1.5	0.6	2,548	0.46	0.46	1,182	1.06	0.12	670	0.3	0.1	568	0.14	0.00
0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	443	0.11	0.00
0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	355	0.09	0.00
0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	266	0.07	0.00
0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	177	0.05	0.00
0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	89	0.02	0.00

ı Blocks

Alternative Avoic

	RAP														
	Residential			Tier 1			Tier 2			IQW			C&I		
	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)
2024	42,628	7.5	5.2	42,020	6.84	5.04	608	0.65	0.05	780	0.3	0.1	72,236	12.60	9.61
2025	65,988	13.1	8.2	64,645	11.70	7.87	1,343	1.43	0.11	1,597	0.5	0.2	140,139	24.12	17.98
2026	90,943	19.3	11.3	88,707	16.96	10.88	2,236	2.37	0.17	2,406	0.8	0.3	205,301	34.94	25.38
2027	117,420	26.1	14.6	114,128	22.60	14.03	3,292	3.48	0.25	3,275	1.0	0.4	267,221	45.03	31.77
2028	140,653	32.8	17.6	136,284	28.07	16.81	4,369	4.74	0.33	4,210	1.3	0.6	324,590	54.45	37.16
2029	163,889	39.5	20.5	158,502	33.74	19.59	5,387	5.76	0.42	5,211	1.6	0.7	369,219	61.60	40.28
2030	111,865	32.8	14.6	107,022	27.64	13.72	4,843	5.20	0.36	5,080	1.6	0.7	350,417	58.90	38.33
2031	103,252	31.1	13.7	98,966	26.48	12.81	4,286	4.59	0.33	4,967	1.6	0.7	333,787	56.94	37.01
2032	92,308	28.9	12.4	88,666	24.96	11.58	3,642	3.89	0.30	4,936	1.5	0.7	312,003	54.16	35.31
2033	80,022	26.4	11.0	77,105	23.26	10.16	2,917	3.10	0.27	4,674	1.5	0.6	291,283	51.41	33.51
2034	73,860	24.5	10.1	71,350	22.26	9.31	2,511	2.27	0.26	4,323	1.4	0.6	262,510	46.80	30.40
2035	67,863	23.5	9.2	65,378	21.23	8.42	2,485	2.24	0.26	3,945	1.4	0.5	238,977	42.53	27.11
2036	61,061	22.2	8.2	58,601	19.98	7.39	2,460	2.22	0.26	3,537	1.3	0.5	202,094	36.00	21.78
2037	54,011	20.9	7.1	51,577	18.68	6.33	2,434	2.19	0.26	3,097	1.2	0.4	167,155	29.92	17.02
2038	48,095	19.4	6.2	45,685	17.18	5.46	2,409	2.17	0.25	2,616	1.2	0.3	136,257	24.50	12.84
2039	39,262	17.0	5.0	36,884	14.80	4.29	2,377	2.15	0.25	2,339	1.1	0.3	96,404	16.54	7.44
2040	33,536	14.8	4.2	31,194	12.66	3.57	2,342	2.13	0.24	2,208	1.0	0.3	76,862	12.34	4.68
2041	27,419	12.5	3.3	25,119	10.44	2.81	2,301	2.11	0.24	2,074	1.0	0.3	62,075	8.99	2.85
2042	21,441	10.2	2.5	19,186	8.13	2.11	2,255	2.08	0.23	1,917	0.9	0.3	48,474	6.09	1.60
2043	15,063	7.7	1.7	12,863	5.66	1.38	2,200	2.06	0.22	1,754	0.8	0.2	37,030	3.56	0.75
2044	8,883	5.5	0.9	6,784	3.48	0.71	2,099	1.98	0.21	1,585	0.8	0.2	22,918	0.96	0.12
2045	7,567	4.5	0.8	5,535	2.60	0.61	2,032	1.88	0.20	1,537	0.7	0.2	17,431	0.70	0.08
2046	6,427	3.4	0.8	4,477	1.62	0.57	1,950	1.76	0.20	1,487	0.7	0.2	12,108	0.48	0.05
2047	5,122	2.1	0.7	3,269	0.51	0.52	1,853	1.63	0.19	1,434	0.7	0.2	6,987	0.31	0.03
2048	4,637	1.9	0.7	2,896	0.46	0.48	1,741	1.47	0.19	1,407	0.7	0.2	3,593	0.16	0.02
2049	3,756	1.5	0.6	2,292	0.38	0.41	1,464	1.17	0.17	1,202	0.6	0.2	253	0.03	0.00
2050	3,171	1.3	0.5	1,900	0.31	0.34	1,271	1.01	0.14	1,006	0.5	0.1	240	0.03	0.00
2051	2,474	1.1	0.4	1,442	0.24	0.26	1,032	0.83	0.12	790	0.4	0.1	225	0.03	0.00
2052	1,790	0.8	0.3	1,047	0.18	0.19	743	0.60	0.08	552	0.3	0.1	206	0.03	0.00
2053	968	0.4	0.1	569	0.10	0.10	399	0.32	0.04	289	0.1	0.0	186	0.03	0.00
2054	0	0.0	0.0	0	0.00	0.00	0	0.00	0.00	0	0.0	0.0	140	0.02	0.00
2055	0	0.0	0.0	0	0.00	0.00	0	0.00	0.00	0	0.0	0.0	117	0.02	0.00
2056	0	0.0	0.0	0	0.00	0.00	0	0.00	0.00	0	0.0	0.0	91	0.02	0.00
2057	0	0.0	0.0	0	0.00	0.00	0	0.00	0.00	0	0.0	0.0	63	0.01	0.00
2058	0	0.0	0.0	0	0.00	0.00	0	0.00	0.00	0	0.0	0.0	32	0.01	0.00
2059	0	0.0	0.0	0	0.00	0.00	0	0.00	0.00	0	0.0	0.0	0	0.00	0.00
2060	0	0.0	0.0	0	0.00	0.00	0	0.00	0.00	0	0.0	0.0	0	0.00	0.00

ı Blocks

Alternative Avoid

	RAP														
	Residential			**Tier 1**			**Tier 2**			**IQW**			**C&I**		
	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)
2024															
2025															
2026															
2027															
2028															
2029															
2030	75,263	13.44	8.87	73,637	11.81	8.62	1,626	1.62	0.16	1,210	0.34	0.17	64,790	10.20	5.23
2031	107,490	22.20	12.78	104,181	18.87	12.31	3,309	3.33	0.29	2,487	0.69	0.34	130,178	20.14	10.08
2032	140,144	31.18	16.71	135,041	26.06	16.02	5,103	5.12	0.43	3,772	1.04	0.51	199,379	30.60	15.05
2033	172,811	40.29	20.53	165,824	33.29	19.60	6,987	7.00	0.58	5,149	1.42	0.69	268,994	41.32	20.14
2034	196,775	48.51	23.34	188,222	39.61	22.21	8,553	8.89	0.70	6,631	1.81	0.89	338,157	52.43	25.23
2035	219,824	55.83	26.07	210,094	45.88	24.72	9,731	9.96	0.82	8,215	2.23	1.09	395,206	61.82	29.20
2036	154,420	47.03	18.61	145,775	38.18	17.39	8,645	8.85	0.70	8,045	2.19	1.06	364,850	57.97	27.06
2037	141,579	44.25	17.21	133,917	36.47	16.04	7,662	7.78	0.65	7,894	2.16	1.05	337,666	54.98	25.54
2038	127,365	41.22	15.59	120,712	34.54	14.47	6,652	6.69	0.60	7,845	2.14	1.04	304,060	50.97	23.47
2039	112,227	38.05	13.82	106,595	32.47	12.75	5,632	5.58	0.55	7,463	2.08	0.98	274,678	47.05	21.05
2040	104,391	35.73	12.74	99,287	31.23	11.67	5,104	4.50	0.55	6,894	1.99	0.91	231,375	39.96	17.13
2041	96,768	34.42	11.64	91,702	29.96	10.57	5,066	4.46	0.55	6,284	1.90	0.83	205,377	35.46	14.70
2042	88,081	32.80	10.39	83,051	28.37	9.33	5,030	4.43	0.54	5,628	1.81	0.74	177,979	30.65	12.22
2043	79,126	31.15	9.11	74,132	26.76	8.06	4,994	4.39	0.54	4,921	1.71	0.65	148,882	25.64	9.71
2044	71,221	29.47	8.02	66,227	25.07	6.97	4,994	4.39	0.54	4,166	1.60	0.55	124,544	21.26	7.73
2045	58,426	26.33	6.34	53,493	21.95	5.39	4,934	4.38	0.53	3,675	1.50	0.49	90,730	14.39	4.72
2046	50,340	23.62	5.28	45,481	19.25	4.43	4,859	4.37	0.51	3,510	1.44	0.47	78,183	11.63	3.42
2047	41,920	20.83	4.18	37,152	16.47	3.44	4,767	4.36	0.49	3,330	1.38	0.45	65,211	8.84	2.21
2048	34,060	17.36	3.35	29,401	13.02	2.72	4,659	4.34	0.46	3,106	1.31	0.43	52,968	6.35	1.37
2049	25,912	13.71	2.51	21,378	9.39	1.99	4,534	4.32	0.43	2,862	1.24	0.40	40,810	3.85	0.64
2050	17,900	10.24	1.74	13,644	6.14	1.34	4,256	4.10	0.39	2,608	1.17	0.37	25,069	1.20	0.10
2051	15,384	8.39	1.59	11,276	4.51	1.21	4,108	3.88	0.39	2,548	1.15	0.36	19,691	1.01	0.09
2052	13,177	6.52	1.53	9,225	2.86	1.15	3,952	3.65	0.38	2,484	1.12	0.35	14,183	0.80	0.08
2053	10,814	4.57	1.46	7,024	1.16	1.08	3,790	3.41	0.37	2,417	1.10	0.34	8,549	0.57	0.06
2054	9,967	4.24	1.40	6,344	1.08	1.03	3,622	3.17	0.37	2,384	1.08	0.34	4,532	0.32	0.04
2055	7,953	3.42	1.17	4,958	0.88	0.86	2,996	2.54	0.31	2,033	0.91	0.29	396	0.06	0.01
2056	6,541	2.84	0.96	4,054	0.72	0.71	2,487	2.12	0.26	1,687	0.75	0.24	367	0.06	0.01
2057	4,985	2.20	0.73	3,057	0.55	0.53	1,927	1.65	0.20	1,311	0.58	0.19	336	0.06	0.01
2058	3,439	1.52	0.50	2,116	0.38	0.37	1,323	1.14	0.13	906	0.40	0.13	304	0.06	0.01
2059	1,772	0.78	0.26	1,094	0.20	0.19	678	0.59	0.07	469	0.21	0.07	271	0.06	0.00
2060	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	203	0.05	0.00
2061	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	166	0.04	0.00
2062	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	127	0.03	0.00
2063	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	86	0.02	0.00
2064	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	44	0.01	0.00

ı Blocks

Alternative Avoid

	RAP														
	Residential			Tier 1			Tier 2			IQW			C&I		
	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)
2024															
2025															
2026															
2027															
2028															
2029															
2030															
2031															
2032															
2033															
2034															
2035															
2036	88,434	15.9	10.2	86,182	13.81	9.84	2,252	2.14	0.25	1,865	0.5	0.3	85,505	13.07	5.91
2037	124,280	25.8	14.3	119,901	21.60	13.67	4,379	4.20	0.42	3,824	1.0	0.5	167,657	25.26	11.16
2038	159,400	35.5	18.3	152,893	29.28	17.41	6,507	6.26	0.59	5,800	1.5	0.8	251,076	37.59	16.42
2039	197,650	45.7	22.7	189,011	37.42	21.62	8,639	8.31	0.76	7,907	2.0	1.0	329,395	49.76	21.88
2040	224,742	54.6	26.0	214,485	44.29	24.62	10,257	10.31	0.89	10,151	2.6	1.3	404,355	61.99	27.22
2041	251,355	62.3	29.2	239,990	51.10	27.61	11,365	11.24	1.02	12,524	3.2	1.7	460,125	71.33	31.03
2042	182,996	53.1	21.4	172,854	43.08	19.95	10,143	10.01	0.88	12,302	3.1	1.6	422,317	66.65	28.72
2043	169,458	50.2	19.9	160,371	41.32	18.54	9,087	8.86	0.83	12,108	3.1	1.6	389,312	63.03	27.07
2044	155,034	47.3	18.3	146,955	39.56	16.95	8,080	7.77	0.78	12,105	3.1	1.6	349,898	58.50	24.85
2045	139,819	44.3	16.5	132,747	37.66	15.22	7,072	6.68	0.73	11,640	3.0	1.5	317,153	54.21	22.25
2046	130,421	42.0	15.2	123,841	36.39	13.96	6,580	5.63	0.73	10,767	2.9	1.4	265,562	45.58	18.10
2047	121,364	40.7	13.9	114,784	35.11	12.69	6,580	5.63	0.73	9,825	2.8	1.3	233,322	39.90	15.53
2048	111,097	39.1	12.5	104,518	33.48	11.27	6,579	5.63	0.73	8,812	2.7	1.2	200,059	34.01	12.89
2049	100,667	37.5	11.1	94,088	31.82	9.84	6,579	5.63	0.73	7,721	2.5	1.0	166,046	28.09	10.26
2050	91,362	35.5	9.9	84,783	29.90	8.60	6,579	5.63	0.73	6,512	2.3	0.8	138,177	22.97	8.20
2051	76,870	32.0	8.1	70,447	26.35	6.97	6,423	5.61	0.70	5,653	2.2	0.7	99,698	15.33	5.04
2052	68,300	29.0	7.1	62,046	23.42	6.12	6,255	5.58	0.66	5,377	2.1	0.7	85,253	12.41	3.67
2053	59,672	26.0	6.2	53,596	20.48	5.28	6,076	5.56	0.61	5,078	2.0	0.7	70,707	9.50	2.39
2054	47,633	21.4	4.8	41,744	15.89	4.08	5,889	5.53	0.57	4,719	1.9	0.7	57,348	6.94	1.51
2055	35,459	16.8	3.5	29,763	11.26	2.88	5,696	5.50	0.53	4,332	1.8	0.6	44,312	4.38	0.74
2056	23,270	12.3	2.2	17,946	7.14	1.75	5,324	5.21	0.47	3,949	1.7	0.6	27,224	1.58	0.14
2057	19,974	10.2	2.1	14,826	5.25	1.59	5,148	4.95	0.46	3,868	1.7	0.6	21,249	1.29	0.12
2058	17,146	8.1	2.0	12,174	3.42	1.53	4,972	4.69	0.46	3,770	1.6	0.5	15,237	0.99	0.10
2059	14,278	6.0	1.9	9,482	1.58	1.46	4,796	4.43	0.45	3,679	1.6	0.5	9,190	0.69	0.08
2060	13,247	5.7	1.8	8,627	1.49	1.40	4,620	4.17	0.44	3,633	1.6	0.5	4,845	0.38	0.05
2061	10,343	4.5	1.5	6,604	1.18	1.15	3,739	3.30	0.36	3,082	1.3	0.4	458	0.08	0.02
2062	8,265	3.6	1.2	5,253	0.94	0.91	3,012	2.66	0.29	2,544	1.1	0.4	422	0.08	0.01
2063	6,138	2.7	0.9	3,866	0.69	0.67	2,272	2.01	0.22	1,969	0.9	0.3	386	0.08	0.01
2064	4,118	1.8	0.6	2,596	0.47	0.45	1,522	1.35	0.15	1,353	0.6	0.2	351	0.08	0.01
2065	2,069	0.9	0.3	1,305	0.23	0.23	764	0.68	0.07	695	0.3	0.1	316	0.08	0.00
2066	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	237	0.07	0.00
2067	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	191	0.05	0.00
2068	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	144	0.04	0.00
2069	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	96	0.03	0.00
2070	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	48	0.01	0.00

ied Cost														
MAP														
Residential			Tier 1			Tier 2			IQW			C&I		
DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)
47,214	8.30	5.67	46,566	7.65	5.51	648	0.64	0.05	780	0.25	0.11	79,171	14.69	11.32
77,465	15.79	9.43	75,883	14.20	9.08	1,582	1.59	0.13	1,597	0.51	0.22	156,395	28.56	21.28
113,293	25.37	13.80	110,387	22.39	13.22	2,906	2.97	0.22	2,406	0.77	0.32	233,574	42.02	30.16
155,383	37.33	18.85	150,680	32.44	17.98	4,703	4.89	0.36	3,275	1.03	0.44	309,556	55.02	37.88
198,690	51.22	23.96	191,843	43.81	22.78	6,847	7.41	0.51	4,210	1.31	0.56	383,937	67.71	44.53
245,666	66.90	29.40	236,398	56.70	27.88	9,268	10.21	0.70	5,211	1.61	0.70	445,589	78.20	48.56
192,772	59.54	23.39	184,313	50.08	21.97	8,459	9.46	0.60	5,080	1.57	0.67	421,123	74.90	46.27
176,871	56.00	21.68	169,328	47.48	20.31	7,542	8.51	0.55	4,967	1.55	0.66	398,134	72.37	44.67
156,333	51.24	19.40	149,959	44.02	18.10	6,374	7.23	0.49	4,936	1.54	0.66	367,597	68.65	42.62
132,403	45.53	16.74	127,422	39.93	15.51	4,982	5.60	0.42	4,674	1.49	0.62	339,988	64.98	40.19
122,042	40.80	15.58	118,052	37.14	14.37	3,990	3.66	0.41	4,323	1.44	0.57	303,583	59.21	36.32
111,336	37.45	14.29	107,493	33.93	13.09	3,843	3.52	0.39	3,945	1.38	0.52	277,095	54.28	32.59
101,080	35.59	12.75	97,383	32.21	11.58	3,697	3.38	0.38	3,537	1.32	0.47	235,684	46.70	26.50
89,905	33.59	11.08	86,353	30.36	9.92	3,551	3.23	0.37	3,097	1.25	0.41	195,451	39.40	21.02
79,959	31.42	9.60	76,550	28.33	8.46	3,409	3.09	0.35	2,616	1.17	0.34	159,924	32.77	16.26
66,721	28.23	7.72	63,460	25.27	6.69	3,262	2.96	0.34	2,339	1.09	0.31	113,030	22.43	9.88
59,090	25.41	6.61	55,979	22.57	5.72	3,111	2.84	0.32	2,208	1.02	0.30	90,066	16.98	6.39
50,206	22.14	5.35	47,251	19.43	4.61	2,955	2.71	0.30	2,074	0.96	0.28	72,149	12.50	4.01
40,310	18.11	4.14	37,518	15.51	3.57	2,792	2.59	0.28	1,917	0.89	0.26	56,873	8.55	2.30
28,946	13.42	2.81	26,329	10.94	2.41	2,617	2.48	0.25	1,754	0.83	0.24	43,358	4.98	1.09
16,989	8.69	1.49	14,501	6.28	1.26	2,489	2.42	0.23	1,585	0.77	0.22	26,954	1.32	0.18
13,922	7.13	1.25	11,486	4.78	1.02	2,435	2.34	0.23	1,537	0.74	0.21	21,260	1.03	0.13
11,400	5.29	1.18	9,042	3.05	0.96	2,359	2.24	0.22	1,487	0.72	0.21	15,200	0.76	0.09
8,135	3.02	1.10	5,881	0.93	0.89	2,254	2.10	0.22	1,434	0.70	0.20	8,860	0.53	0.07
7,256	2.75	1.04	5,139	0.84	0.83	2,117	1.91	0.21	1,407	0.68	0.19	4,678	0.28	0.03
5,883	2.28	0.92	4,043	0.70	0.73	1,840	1.58	0.19	1,202	0.57	0.17	316	0.04	0.01
5,202	2.06	0.81	3,526	0.61	0.64	1,675	1.44	0.17	1,006	0.48	0.14	302	0.04	0.01
4,281	1.73	0.67	2,849	0.50	0.52	1,432	1.24	0.15	790	0.37	0.11	284	0.04	0.01
3,254	1.32	0.51	2,169	0.38	0.39	1,085	0.94	0.11	552	0.26	0.08	262	0.04	0.00
1,843	0.75	0.29	1,231	0.22	0.22	612	0.53	0.06	289	0.14	0.04	236	0.04	0.00
0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	192	0.04	0.00
0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	172	0.03	0.00
0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	143	0.03	0.00
0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	105	0.02	0.00
0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	57	0.01	0.00
0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00

led Cost														
MAP														
Residential			Tier 1			Tier 2			IQW			C&I		
DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)
102,422	24.52	11.64	98,911	20.60	11.17	3,511	3.92	0.30	1,210	0.34	0.17	88,506	14.39	6.61
169,819	46.28	19.12	162,562	38.05	18.21	7,257	8.22	0.57	2,487	0.69	0.34	178,450	28.63	12.79
247,807	69.98	27.67	236,622	57.20	26.33	11,184	12.79	0.84	3,772	1.04	0.51	272,989	43.51	19.08
319,767	93.53	35.34	304,554	76.03	33.55	15,212	17.50	1.12	5,149	1.42	0.69	364,565	58.51	25.51
372,789	115.19	40.77	354,173	93.00	38.60	18,616	22.20	1.33	6,631	1.81	0.89	454,310	73.85	31.94
424,013	134.62	46.01	403,107	109.92	43.48	20,907	24.70	1.53	8,215	2.23	1.09	524,424	86.52	36.68
341,215	119.62	36.83	322,821	98.03	34.52	18,393	21.59	1.31	8,045	2.19	1.06	482,199	81.42	33.92
310,364	110.27	33.71	294,379	91.87	31.52	15,985	18.40	1.21	7,894	2.16	1.05	443,987	77.31	31.87
277,400	100.36	30.30	263,887	85.27	28.22	13,513	15.08	1.11	7,845	2.14	1.04	397,938	71.93	29.08
242,489	90.06	26.59	231,462	78.34	24.62	11,027	11.72	1.01	7,463	2.08	0.98	359,225	66.80	25.85
223,329	81.46	24.49	214,062	73.07	22.55	9,267	8.39	0.97	6,894	1.99	0.91	303,003	57.23	21.00
204,885	75.77	22.32	195,971	67.73	20.42	8,914	8.04	0.94	6,284	1.90	0.83	269,461	50.87	18.11
188,283	72.32	19.95	179,696	64.61	18.08	8,586	7.71	0.91	5,628	1.81	0.74	233,633	44.00	15.08
171,417	68.79	17.55	163,139	61.38	15.72	8,278	7.41	0.88	4,921	1.71	0.65	196,107	36.86	12.03
157,236	66.02	15.60	148,958	58.61	13.76	8,278	7.41	0.88	4,166	1.60	0.55	165,377	30.63	9.69
133,880	59.26	12.70	125,719	51.87	11.05	8,161	7.39	0.85	3,675	1.50	0.49	122,734	20.88	6.04
117,909	52.87	10.83	109,886	45.50	9.37	8,022	7.37	0.82	3,510	1.44	0.47	106,179	16.94	4.39
100,737	45.91	8.87	92,873	38.57	7.61	7,864	7.34	0.78	3,330	1.38	0.45	89,179	12.96	2.84
82,511	37.69	7.19	74,819	30.38	6.13	7,692	7.31	0.74	3,106	1.31	0.43	73,117	9.43	1.81
63,327	28.95	5.48	55,819	21.67	4.62	7,508	7.28	0.70	2,862	1.24	0.40	57,106	5.89	0.90
43,396	20.15	3.83	36,277	13.18	3.18	7,120	6.98	0.65	2,608	1.17	0.37	36,342	2.08	0.18
35,352	16.27	3.37	28,453	9.61	2.74	6,899	6.66	0.64	2,548	1.15	0.36	28,445	1.74	0.16
28,978	12.49	3.23	22,319	6.17	2.61	6,659	6.32	0.63	2,484	1.12	0.35	20,284	1.36	0.14
22,320	8.60	3.09	15,913	2.65	2.47	6,407	5.96	0.61	2,417	1.10	0.34	11,947	0.96	0.12
20,540	8.06	2.99	14,394	2.48	2.39	6,146	5.58	0.60	2,384	1.08	0.34	6,353	0.54	0.07
16,431	6.58	2.55	11,301	2.03	2.03	5,130	4.54	0.52	2,033	0.91	0.29	659	0.11	0.02
13,523	5.45	2.09	9,265	1.67	1.67	4,258	3.78	0.43	1,687	0.75	0.24	622	0.11	0.01
10,284	4.19	1.59	6,998	1.27	1.26	3,286	2.92	0.33	1,311	0.58	0.19	584	0.11	0.01
7,018	2.86	1.08	4,780	0.87	0.86	2,238	1.99	0.22	906	0.40	0.13	544	0.11	0.01
3,570	1.45	0.55	2,433	0.44	0.44	1,137	1.01	0.11	469	0.21	0.07	507	0.11	0.00
0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	404	0.10	0.00
0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	331	0.08	0.00
0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	253	0.06	0.00
0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	172	0.04	0.00
0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	87	0.02	0.00

led Cost														
MAP														
Residential			Tier 1			Tier 2			IQW			C&I		
DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)	DSM MWh	DSM Summer Peak Impact (MW)	DSM Winter Peak Impact (MW)
130,741	31.87	14.23	126,212	26.65	13.65	4,529	5.22	0.41	1,865	0.48	0.25	108,506	17.35	7.23
208,078	57.26	22.20	199,383	47.09	21.19	8,694	10.16	0.68	3,824	0.98	0.51	211,834	33.56	13.74
283,510	82.03	29.91	270,822	67.11	28.48	12,689	14.92	0.94	5,800	1.49	0.77	315,441	49.78	20.24
362,525	107.33	38.12	345,993	87.82	36.26	16,532	19.51	1.19	7,907	2.03	1.05	410,220	65.60	26.98
417,458	129.48	43.60	397,968	105.62	41.40	19,491	23.86	1.36	10,151	2.60	1.34	500,745	81.42	33.58
470,240	148.10	48.96	449,333	123.02	46.44	20,908	25.07	1.52	12,524	3.20	1.65	566,180	93.52	38.12
382,601	131.51	39.38	364,489	110.09	37.09	18,112	21.42	1.29	12,302	3.15	1.61	519,292	87.81	35.21
350,112	121.43	36.20	334,525	103.48	34.02	15,587	17.95	1.19	12,108	3.11	1.59	478,099	83.30	33.04
317,905	112.53	32.96	304,451	97.63	30.85	13,454	14.90	1.13	12,105	3.11	1.59	428,953	77.66	30.10
283,720	103.34	29.42	272,400	91.49	27.37	11,320	11.85	1.06	11,640	3.05	1.52	388,413	72.38	26.78
263,552	95.66	27.24	253,635	86.80	25.19	9,917	8.86	1.06	10,767	2.93	1.41	325,001	61.16	21.70
244,769	90.99	25.07	234,854	82.13	23.02	9,915	8.86	1.06	9,825	2.81	1.28	286,507	53.63	18.65
226,965	87.49	22.73	217,051	78.63	20.68	9,915	8.86	1.06	8,812	2.68	1.15	246,768	45.87	15.48
208,873	83.82	20.38	198,959	74.96	18.33	9,914	8.86	1.06	7,721	2.53	1.01	206,699	38.17	12.33
192,402	79.79	18.33	182,489	70.93	16.29	9,913	8.86	1.06	6,512	2.34	0.85	174,472	31.57	9.94
165,305	70.79	15.37	155,589	61.96	13.53	9,716	8.83	1.01	5,653	2.19	0.75	129,246	21.50	6.20
146,226	62.63	13.45	136,710	53.83	11.82	9,516	8.79	0.96	5,377	2.10	0.72	111,320	17.46	4.49
127,003	54.40	11.53	117,689	45.64	10.11	9,314	8.76	0.92	5,078	2.01	0.69	93,395	13.43	2.92
101,726	43.82	9.18	92,618	35.09	7.98	9,108	8.73	0.87	4,719	1.90	0.65	76,533	9.87	1.89
76,288	33.18	6.83	67,386	24.49	5.84	8,902	8.70	0.82	4,332	1.79	0.61	60,053	6.31	0.97
50,046	22.66	4.52	41,620	14.39	3.76	8,426	8.27	0.76	3,949	1.70	0.57	38,071	2.36	0.21
40,718	18.35	4.01	32,565	10.47	3.26	8,153	7.88	0.75	3,868	1.67	0.56	29,469	1.91	0.18
33,651	14.33	3.86	25,770	6.84	3.12	7,881	7.49	0.74	3,770	1.64	0.54	20,862	1.47	0.15
26,561	10.30	3.70	18,953	3.21	2.98	7,609	7.09	0.72	3,679	1.61	0.53	12,252	1.02	0.13
24,645	9.73	3.61	17,308	3.03	2.90	7,337	6.70	0.71	3,633	1.58	0.52	6,509	0.58	0.07
19,074	7.67	2.95	13,171	2.39	2.36	5,903	5.27	0.59	3,082	1.34	0.44	728	0.14	0.02
15,144	6.12	2.34	10,417	1.90	1.87	4,727	4.22	0.47	2,544	1.10	0.36	688	0.14	0.02
11,188	4.56	1.72	7,643	1.39	1.37	3,545	3.17	0.35	1,969	0.85	0.28	647	0.14	0.01
7,459	3.04	1.15	5,096	0.93	0.92	2,363	2.11	0.23	1,353	0.58	0.19	606	0.14	0.01
3,730	1.52	0.57	2,548	0.46	0.46	1,182	1.06	0.12	695	0.30	0.10	568	0.14	0.00
0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	443	0.11	0.00
0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	355	0.09	0.00
0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	266	0.07	0.00
0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	177	0.05	0.00
0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	89	0.02	0.00

Hourly Energy Shape - Representative shape for a single year for each block

	2									
	CC Avoided Cost									
	RAP					MAP				
	Residential	Residential	Residential	IQW	C&I	Residential	Residential	Residential	IQW	C&I
Hour	Energy Savings (MWh)	Tier 1	Tier 2	Energy Savings (MWh)	Energy Savings (MWh)	Energy Savings (MWh)	Tier 1	Tier 2	Energy Savings (MWh)	Energy Savings (MWh)
1	9.57102E-05	0.000101237	2.50552E-05	8.7835E-05	3.72343E-05	9.81988E-05	0.000103296	1.72256E-05	8.7835E-05	3.85631E-05
2	9.29303E-05	9.84965E-05	2.17731E-05	8.74921E-05	3.75551E-05	9.6146E-05	0.000101315	1.403E-05	8.74921E-05	3.89264E-05
3	9.15634E-05	9.71237E-05	2.0482E-05	8.74418E-05	3.76319E-05	9.51559E-05	0.000100346	1.27118E-05	8.74418E-05	3.90143E-05
4	9.32167E-05	9.89015E-05	2.05435E-05	9.00797E-05	3.853E-05	9.7212E-05	0.000102547	1.24637E-05	9.00797E-05	4.0026E-05
5	9.85737E-05	0.000104521	2.25405E-05	9.53748E-05	3.99515E-05	0.000102795	0.000108391	1.39029E-05	9.53748E-05	4.16209E-05
6	0.00010607	0.000112357	2.56928E-05	0.000101152	4.04258E-05	0.000110095	0.000115982	1.65729E-05	0.000101152	4.21008E-05
7	0.000112546	0.00011901	2.99151E-05	0.000105769	0.000131037	0.000116221	0.000122252	2.04209E-05	0.000105769	0.000126439
8	0.000110819	0.000117015	3.16152E-05	0.000106614	0.000130845	0.000115113	0.000120973	2.2033E-05	0.000106614	0.000126166
9	0.000109823	0.000115894	3.22065E-05	0.000104524	0.000131204	0.00011369	0.00011941	2.28307E-05	0.000104524	0.000126559
10	0.000107514	0.000113362	3.27539E-05	0.000100728	0.000131046	0.000110752	0.000116229	2.37472E-05	0.000100728	0.000126375
11	0.000105359	0.000111011	3.31019E-05	9.70669E-05	0.00013077	0.000107983	0.000113239	2.44873E-05	9.70669E-05	0.00012606
12	0.000102791	0.000108331	3.19715E-05	9.42121E-05	0.000115636	0.000105219	0.00011035	2.37155E-05	9.42121E-05	0.000111962
13	0.000100821	0.000106243	3.15039E-05	9.20087E-05	0.000115381	0.000103074	0.000108086	2.34708E-05	9.20087E-05	0.000111675
14	9.97711E-05	0.000105197	3.0408E-05	9.16206E-05	0.000114849	0.000102213	0.000107235	2.2443E-05	9.16206E-05	0.000111081
15	0.000101219	0.000106761	3.03671E-05	9.34959E-05	0.000128843	0.000103887	0.000109027	2.22365E-05	9.34959E-05	0.0001239
16	0.000108167	0.000114115	3.21238E-05	9.98956E-05	0.000127883	0.000111029	0.00011654	2.34842E-05	9.98956E-05	0.000122823
17	0.00011964	0.00012628	3.47508E-05	0.000109962	0.000127202	0.000122685	0.000128809	2.54149E-05	0.000109962	0.00012206
18	0.000133304	0.000140493	4.14023E-05	0.000119371	0.00012667	0.000135604	0.000142171	3.13019E-05	0.000119371	0.000121466
19	0.00014507	0.000152416	5.11674E-05	0.000124874	9.65448E-05	0.000145734	0.000152364	4.0406E-05	0.000124874	9.34449E-05
20	0.000146999	0.000154158	5.54733E-05	0.00012388	6.7969E-05	0.00014668	0.000153104	4.46351E-05	0.00012388	6.72113E-05
21	0.000142578	0.000149458	5.46235E-05	0.000118786	5.24587E-05	0.000141801	0.00014795	4.41211E-05	0.000118786	5.27026E-05
22	0.000136364	0.000143148	4.96374E-05	0.00011214	3.85704E-05	0.000135271	0.00014129	3.96586E-05	0.00011214	4.00575E-05
23	0.000123325	0.000129664	4.22846E-05	0.000104056	3.79868E-05	0.000123266	0.000128949	3.29835E-05	0.000104056	3.94061E-05
24	0.000111373	0.000117444	3.37537E-05	9.77837E-05	3.77968E-05	0.000112698	0.000118214	2.50778E-05	9.77837E-05	3.91952E-05
25	9.57102E-05	0.000101237	2.50552E-05	8.7835E-05	3.72343E-05	9.81988E-05	0.000103296	1.72256E-05	8.7835E-05	3.85631E-05
26	9.29303E-05	9.84965E-05	2.17731E-05	8.74921E-05	3.75551E-05	9.6146E-05	0.000101315	1.403E-05	8.74921E-05	3.89264E-05
27	9.15634E-05	9.71237E-05	2.0482E-05	8.74418E-05	3.76319E-05	9.51559E-05	0.000100346	1.27118E-05	8.74418E-05	3.90143E-05
28	9.32167E-05	9.89015E-05	2.05435E-05	9.00797E-05	3.853E-05	9.7212E-05	0.000102547	1.24637E-05	9.00797E-05	4.0026E-05
29	9.85737E-05	0.000104521	2.25405E-05	9.53748E-05	3.99515E-05	0.000102795	0.000108391	1.39029E-05	9.53748E-05	4.16209E-05
30	0.00010607	0.000112357	2.56928E-05	0.000101152	4.04258E-05	0.000110095	0.000115982	1.65729E-05	0.000101152	4.21008E-05
31	0.000112546	0.00011901	2.99151E-05	0.000105769	0.000131037	0.000116221	0.000122252	2.04209E-05	0.000105769	0.000126439
32	0.000110819	0.000117015	3.16152E-05	0.000106614	0.000130845	0.000115113	0.000120973	2.2033E-05	0.000106614	0.000126166
33	0.000109823	0.000115894	3.22065E-05	0.000104524	0.000131204	0.00011369	0.00011941	2.28307E-05	0.000104524	0.000126559
34	0.000107514	0.000113362	3.27539E-05	0.000100728	0.000131046	0.000110752	0.000116229	2.37472E-05	0.000100728	0.000126375
35	0.000105359	0.000111011	3.31019E-05	9.70669E-05	0.00013077	0.000107983	0.000113239	2.44873E-05	9.70669E-05	0.00012606
36	0.000102791	0.000108331	3.19715E-05	9.42121E-05	0.000115636	0.000105219	0.00011035	2.37155E-05	9.42121E-05	0.000111962
37	0.000100821	0.000106243	3.15039E-05	9.20087E-05	0.000115381	0.000103074	0.000108086	2.34708E-05	9.20087E-05	0.000111675
38	9.97711E-05	0.000105197	3.0408E-05	9.16206E-05	0.000114849	0.000102213	0.000107235	2.2443E-05	9.16206E-05	0.000111081
39	0.000101219	0.000106761	3.03671E-05	9.34959E-05	0.000128843	0.000103887	0.000109027	2.22365E-05	9.34959E-05	0.0001239
40	0.000108167	0.000114115	3.21238E-05	9.98956E-05	0.000127883	0.000111029	0.00011654	2.34842E-05	9.98956E-05	0.000122823
41	0.00011964	0.00012628	3.47508E-05	0.000109962	0.000127202	0.000122685	0.000128809	2.54149E-05	0.000109962	0.00012206
42	0.000133304	0.000140493	4.14023E-05	0.000119371	0.00012667	0.000135604	0.000142171	3.13019E-05	0.000119371	0.000121466
43	0.00014507	0.000152416	5.11674E-05	0.000124874	9.65448E-05	0.000145734	0.000152364	4.0406E-05	0.000124874	9.34449E-05
44	0.000146999	0.000154158	5.54733E-05	0.00012388	6.7969E-05	0.00014668	0.000153104	4.46351E-05	0.00012388	6.72113E-05
45	0.000142578	0.000149458	5.46235E-05	0.000118786	5.24587E-05	0.000141801	0.00014795	4.41211E-05	0.000118786	5.27026E-05
46	0.000136364	0.000143148	4.96374E-05	0.00011214	3.85704E-05	0.000135271	0.00014129	3.96586E-05	0.00011214	4.00575E-05
47	0.000123325	0.000129664	4.22846E-05	0.000104056	3.79868E-05	0.000123266	0.000128949	3.29835E-05	0.000104056	3.94061E-05
48	0.000111373	0.000117444	3.37537E-05	9.77837E-05	3.77968E-05	0.000112698	0.000118214	2.50778E-05	9.77837E-05	3.91952E-05
49	9.57102E-05	0.000101237	2.50552E-05	8.7835E-05	3.72343E-05	9.81988E-05	0.000103296	1.72256E-05	8.7835E-05	3.85631E-05
50	9.29303E-05	9.84965E-05	2.17731E-05	8.74921E-05	3.75551E-05	9.6146E-05	0.000101315	1.403E-05	8.74921E-05	3.89264E-05
51	9.15634E-05	9.71237E-05	2.0482E-05	8.74418E-05	3.76319E-05	9.51559E-05	0.000100346	1.27118E-05	8.74418E-05	3.90143E-05
52	9.32167E-05	9.89015E-05	2.05435E-05	9.00797E-05	3.853E-05	9.7212E-05	0.000102547	1.24637E-05	9.00797E-05	4.0026E-05
53	9.85737E-05	0.000104521	2.25405E-05	9.53748E-05	3.99515E-05	0.000102795	0.000108391	1.39029E-05	9.53748E-05	4.16209E-05
54	0.00010607	0.000112357	2.56928E-05	0.000101152	4.04258E-05	0.000110095	0.000115982	1.65729E-05	0.000101152	4.21008E-05
55	0.000112546	0.00011901	2.99151E-05	0.000105769	0.000131037	0.000116221	0.000122252	2.04209E-05	0.000105769	0.000126439
56	0.000110819	0.000117015	3.16152E-05	0.000106614	0.000130845	0.000115113	0.000120973	2.2033E-05	0.000106614	0.000126166
57	0.000109823	0.000115894	3.22065E-05	0.000104524	0.000131204	0.00011369	0.00011941	2.28307E-05	0.000104524	0.000126559
58	0.000107514	0.000113362	3.27539E-05	0.000100728	0.000131046	0.000110752	0.000116229	2.37472E-05	0.000100728	0.000126375
59	0.000105359	0.000111011	3.31019E-05	9.70669E-05	0.00013077	0.000107983	0.000113239	2.44873E-05	9.70669E-05	0.00012606
60	0.000102791	0.000108331	3.19715E-05	9.42121E-05	0.000115636	0.000105219	0.00011035	2.37155E-05	9.42121E-05	0.000111962
61	0.000100821	0.000106243	3.15039E-05	9.20087E-05	0.000115381	0.000103074	0.000108086	2.34708E-05	9.20087E-05	0.000111675
62	9.97711E-05	0.000105197	3.0408E-05	9.16206E-05	0.000114849	0.000102213	0.000107235	2.2443E-05	9.16206E-05	0.000111081
63	0.000101219	0.000106761	3.03671E-05	9.34959E-05	0.000128843	0.000103887	0.000109027	2.22365E-05	9.34959E-05	0.0001239
64	0.000108167	0.000114115	3.21238E-05	9.98956E-05	0.000127883	0.000111029	0.00011654	2.34842E-05	9.98956E-05	0.000122823
65	0.00011964	0.00012628	3.47508E-05	0.000109962	0.000127202	0.000122685	0.000128809	2.54149E-05	0.000109962	0.00012206
66	0.000133304	0.000140493	4.14023E-05	0.000119371	0.00012667	0.000135604	0.000142171	3.13019E-05	0.000119371	0.000121466
67	0.00014507	0.000152416	5.11674E-05	0.000124874	9.65448E-05	0.000145734	0.000152364	4.0406E-05	0.000124874	9.34449E-05

68	0.000146999	0.000154158	5.54733E-05	0.00012388	6.7969E-05	0.00014668	0.000153104	4.46351E-05	0.00012388	6.72113E-05
69	0.000142578	0.000149458	5.46235E-05	0.000118786	5.24587E-05	0.000141801	0.00014795	4.41211E-05	0.000118786	5.27026E-05
70	0.000136364	0.000143148	4.96374E-05	0.00011214	3.85704E-05	0.000135271	0.00014129	3.96586E-05	0.00011214	4.00575E-05
71	0.000123325	0.000129664	4.22846E-05	0.000104056	3.79868E-05	0.000123266	0.000128949	3.29835E-05	0.000104056	3.94061E-05
72	0.000111373	0.000117444	3.37537E-05	9.77837E-05	3.77968E-05	0.000112698	0.000118214	2.50778E-05	9.77837E-05	3.91952E-05
73	9.61831E-05	0.00010174	2.51484E-05	8.84273E-05	3.76419E-05	9.87338E-05	0.000103863	1.72545E-05	8.84273E-05	3.90236E-05
74	9.24185E-05	9.79518E-05	2.16819E-05	8.69303E-05	3.73836E-05	9.55905E-05	0.000100728	1.39903E-05	8.69303E-05	3.87331E-05
75	9.11068E-05	9.66372E-05	2.04068E-05	8.69917E-05	3.75016E-05	9.46755E-05	9.9838E-05	1.26708E-05	8.69917E-05	3.88676E-05
76	9.26294E-05	9.82762E-05	2.0441E-05	8.9453E-05	3.83454E-05	9.65798E-05	0.000101878	1.24162E-05	8.9453E-05	3.98179E-05
77	9.7884E-05	0.000103787	2.24217E-05	9.46512E-05	3.97029E-05	0.000102057	0.00010761	1.38457E-05	9.46512E-05	4.13411E-05
78	0.000105425	0.000111671	2.5581E-05	0.000100471	4.0147E-05	0.000109403	0.00011525	1.652E-05	0.000100471	4.17872E-05
79	0.00011022	0.000116515	2.97395E-05	0.000104836	0.000130665	0.00011419	0.000120099	2.0316E-05	0.000104836	0.000126021
80	0.000110033	0.000116178	3.14716E-05	0.000105723	0.000130393	0.000114251	0.00012006	2.19748E-05	0.000105723	0.000125658
81	0.000108982	0.000114999	3.20564E-05	0.0001036	0.000130718	0.000112777	0.000118444	2.27655E-05	0.0001036	0.000126014
82	0.000106845	0.000112651	3.26236E-05	9.99038E-05	0.000130602	0.00011	0.000115432	2.3705E-05	9.99038E-05	0.000125878
83	0.000104822	0.000110442	3.29887E-05	9.63343E-05	0.000130257	0.000107358	0.000112576	2.4461E-05	9.63343E-05	0.000125486
84	0.000102237	0.000107743	3.18574E-05	9.34785E-05	0.000115163	0.000104581	0.000109673	2.3686E-05	9.34785E-05	0.000111433
85	0.000100258	0.000105645	3.13841E-05	9.12325E-05	0.000114915	0.000102416	0.000107388	2.34441E-05	9.12325E-05	0.000111155
86	9.92632E-05	0.000104658	3.03007E-05	9.09258E-05	0.000114394	0.000101621	0.000106607	2.24183E-05	9.09258E-05	0.000110572
87	0.00010065	0.000106157	3.02484E-05	9.27302E-05	0.000128416	0.000103227	0.000108328	2.22075E-05	9.27302E-05	0.000123422
88	0.000107514	0.000113421	3.19964E-05	9.90892E-05	0.000127537	0.000110294	0.000115762	2.34431E-05	9.90892E-05	0.000122437
89	0.000118775	0.00012536	3.45999E-05	0.000109039	0.000126912	0.000121755	0.000127824	2.53449E-05	0.000109039	0.000121736
90	0.000132269	0.000139391	4.12253E-05	0.000118296	0.000126395	0.000134499	0.000141002	3.1215E-05	0.000118296	0.000121159
91	0.000143957	0.00015123	5.09774E-05	0.000123723	9.62812E-05	0.000144546	0.000151108	4.03119E-05	0.000123723	9.31493E-05
92	0.000145904	0.000152992	5.5289E-05	0.000122768	6.77133E-05	0.000145518	0.000151875	4.45403E-05	0.000122768	6.69243E-05
93	0.000143307	0.000150252	5.45291E-05	0.000118086	5.22085E-05	0.000142135	0.000148308	4.40891E-05	0.000118086	5.24216E-05
94	0.000135673	0.000142413	4.95131E-05	0.000111372	3.83418E-05	0.000134518	0.000140494	3.96061E-05	0.000111372	3.98002E-05
95	0.000122696	0.000128995	4.21706E-05	0.00010335	3.78106E-05	0.000122579	0.000128222	3.29363E-05	0.00010335	3.92072E-05
96	0.000110875	0.000116915	3.36663E-05	9.72489E-05	3.77028E-05	0.000112162	0.000117646	2.5038E-05	9.72489E-05	3.90889E-05
97	9.61831E-05	0.00010174	2.51484E-05	8.84273E-05	3.76419E-05	9.87338E-05	0.000103863	1.72545E-05	8.84273E-05	3.90236E-05
98	9.24185E-05	9.79518E-05	2.16819E-05	8.69303E-05	3.73836E-05	9.55905E-05	0.000100728	1.39903E-05	8.69303E-05	3.87331E-05
99	9.11068E-05	9.66372E-05	2.04068E-05	8.69917E-05	3.75016E-05	9.46755E-05	9.9838E-05	1.26708E-05	8.69917E-05	3.88676E-05
100	9.26294E-05	9.82762E-05	2.0441E-05	8.9453E-05	3.83454E-05	9.65798E-05	0.000101878	1.24162E-05	8.9453E-05	3.98179E-05
101	9.7884E-05	0.000103787	2.24217E-05	9.46512E-05	3.97029E-05	0.000102057	0.00010761	1.38457E-05	9.46512E-05	4.13411E-05
102	0.000105425	0.000111671	2.5581E-05	0.000100471	4.0147E-05	0.000109403	0.00011525	1.652E-05	0.000100471	4.17872E-05
103	0.00011022	0.000116515	2.97395E-05	0.000104836	0.000130665	0.00011419	0.000120099	2.0316E-05	0.000104836	0.000126021
104	0.000110033	0.000116178	3.14716E-05	0.000105723	0.000130393	0.000114251	0.00012006	2.19748E-05	0.000105723	0.000125658
105	0.000108982	0.000114999	3.20564E-05	0.0001036	0.000130718	0.000112777	0.000118444	2.27655E-05	0.0001036	0.000126014
106	0.000106845	0.000112651	3.26236E-05	9.99038E-05	0.000130602	0.00011	0.000115432	2.3705E-05	9.99038E-05	0.000125878
107	0.000104822	0.000110442	3.29887E-05	9.63343E-05	0.000130257	0.000107358	0.000112576	2.4461E-05	9.63343E-05	0.000125486
108	0.000102237	0.000107743	3.18574E-05	9.34785E-05	0.000115163	0.000104581	0.000109673	2.3686E-05	9.34785E-05	0.000111433
109	0.000100258	0.000105645	3.13841E-05	9.12325E-05	0.000114915	0.000102416	0.000107388	2.34441E-05	9.12325E-05	0.000111155
110	9.92632E-05	0.000104658	3.03007E-05	9.09258E-05	0.000114394	0.000101621	0.000106607	2.24183E-05	9.09258E-05	0.000110572
111	0.00010065	0.000106157	3.02484E-05	9.27302E-05	0.000128416	0.000103227	0.000108328	2.22075E-05	9.27302E-05	0.000123422
112	0.000107514	0.000113421	3.19964E-05	9.90892E-05	0.000127537	0.000110294	0.000115762	2.34431E-05	9.90892E-05	0.000122437
113	0.000118775	0.00012536	3.45999E-05	0.000109039	0.000126912	0.000121755	0.000127824	2.53449E-05	0.000109039	0.000121736
114	0.000132269	0.000139391	4.12253E-05	0.000118296	0.000126395	0.000134499	0.000141002	3.1215E-05	0.000118296	0.000121159
115	0.000143957	0.00015123	5.09774E-05	0.000123723	9.62812E-05	0.000144546	0.000151108	4.03119E-05	0.000123723	9.31493E-05
116	0.000145904	0.000152992	5.5289E-05	0.000122768	6.77133E-05	0.000145518	0.000151875	4.45403E-05	0.000122768	6.69243E-05
117	0.000143307	0.000150252	5.45291E-05	0.000118086	5.22085E-05	0.000142135	0.000148308	4.40891E-05	0.000118086	5.24216E-05
118	0.000135673	0.000142413	4.95131E-05	0.000111372	3.83418E-05	0.000134518	0.000140494	3.96061E-05	0.000111372	3.98002E-05
119	0.000122696	0.000128995	4.21706E-05	0.00010335	3.78106E-05	0.000122579	0.000128222	3.29363E-05	0.00010335	3.92072E-05
120	0.000110875	0.000116915	3.36663E-05	9.72489E-05	3.77028E-05	0.000112162	0.000117646	2.5038E-05	9.72489E-05	3.90889E-05
121	9.61831E-05	0.00010174	2.51484E-05	8.84273E-05	3.76419E-05	9.87338E-05	0.000103863	1.72545E-05	8.84273E-05	3.90236E-05
122	9.24185E-05	9.79518E-05	2.16819E-05	8.69303E-05	3.73836E-05	9.55905E-05	0.000100728	1.39903E-05	8.69303E-05	3.87331E-05
123	9.11068E-05	9.66372E-05	2.04068E-05	8.69917E-05	3.75016E-05	9.46755E-05	9.9838E-05	1.26708E-05	8.69917E-05	3.88676E-05
124	9.26294E-05	9.82762E-05	2.0441E-05	8.9453E-05	3.83454E-05	9.65798E-05	0.000101878	1.24162E-05	8.9453E-05	3.98179E-05
125	9.7884E-05	0.000103787	2.24217E-05	9.46512E-05	3.97029E-05	0.000102057	0.00010761	1.38457E-05	9.46512E-05	4.13411E-05
126	0.000105425	0.000111671	2.5581E-05	0.000100471	4.0147E-05	0.000109403	0.00011525	1.652E-05	0.000100471	4.17872E-05
127	0.00011022	0.000116515	2.97395E-05	0.000104836	0.000130665	0.00011419	0.000120099	2.0316E-05	0.000104836	0.000126021
128	0.000110033	0.000116178	3.14716E-05	0.000105723	0.000130393	0.000114251	0.00012006	2.19748E-05	0.000105723	0.000125658
129	0.000108982	0.000114999	3.20564E-05	0.0001036	0.000130718	0.000112777	0.000118444	2.27655E-05	0.0001036	0.000126014
130	0.000106845	0.000112651	3.26236E-05	9.99038E-05	0.000130602	0.00011	0.000115432	2.3705E-05	9.99038E-05	0.000125878
131	0.000104822	0.000110442	3.29887E-05	9.63343E-05	0.000130257	0.000107358	0.000112576	2.4461E-05	9.63343E-05	0.000125486
132	0.000102237	0.000107743	3.18574E-05	9.34785E-05	0.000115163	0.000104581	0.000109673	2.3686E-05	9.34785E-05	0.000111433
133	0.000100258	0.000105645	3.13841E-05	9.12325E-05	0.000114915	0.000102416	0.000107388	2.34441E-05	9.12325E-05	0.000111155
134	9.92632E-05	0.000104658	3.03007E-05	9.09258E-05	0.000114394	0.000101621	0.000106607	2.24183E-05	9.09258E-05	0.000110572
135	0.00010065	0.000106157	3.02484E-05	9.27302E-05	0.000128416	0.000103227	0.000108328	2.22075E-05	9.27302E-05	0.000123422
136	0.000107514	0.000113421	3.19964E-05	9.90892E-05	0.000127537	0.000110294	0.000115762	2.34431E-05	9.90892E-05	0.000122437
137	0.000118775	0.00012536	3.45999E-05	0.000109039	0.000126912	0.000121755	0.000127824	2.53449E-05	0.000109039	0.000121736
138	0.000132269	0.000139391	4.12253E-05	0.000118296	0.000126395	0.000134499	0.000141002	3.1215E-05	0.000118296	0.000121159
139	0.000143957	0.00015123	5.09774E-05	0.000123723	9.62812E-05	0.000144546	0.000151108	4.03119E-05	0.000123723	9.31493E-05
140	0.000145904	0.000152992	5.5289E-05	0.000122768	6.77133E-05	0.000145518	0.000151875	4.45403E-05	0.000122768	6.69243E-05
141	0.000143307	0.000150252	5.45291E-05	0.000118086	5.22085E-05	0.000142135	0.000148308	4.40891E-05	0.000118086	5.24216E-05
142	0.000135673	0.000142413	4.95131E-05	0.000111372	3.83418E-05	0.000134518	0.000140494	3.96061E-05	0.000111372	3.98002E-05
143	0.000122696	0.000128995	4.21706E-05	0.00010335	3.78106E-05	0.000122579	0.000128222	3.29363E-05	0.00010335	3.92072E-05

144	0.000110875	0.000116915	3.36663E-05	9.72489E-05	3.77028E-05	0.000112162	0.000117646	2.5038E-05	9.72489E-05	3.90889E-05
145	9.61831E-05	0.00010174	2.51484E-05	8.84273E-05	3.76419E-05	9.87338E-05	0.000103863	1.72545E-05	8.84273E-05	3.90236E-05
146	9.24185E-05	9.79518E-05	2.16819E-05	8.69303E-05	3.73836E-05	9.55905E-05	0.000100728	1.39903E-05	8.69303E-05	3.87331E-05
147	9.11068E-05	9.66372E-05	2.04068E-05	8.69917E-05	3.75016E-05	9.46755E-05	9.9838E-05	1.26708E-05	8.69917E-05	3.88676E-05
148	9.26294E-05	9.82762E-05	2.0441E-05	8.9453E-05	3.83454E-05	9.65798E-05	0.000101878	1.24162E-05	8.9453E-05	3.98179E-05
149	9.7884E-05	0.000103787	2.24217E-05	9.46512E-05	3.97029E-05	0.000102057	0.00010761	1.38457E-05	9.46512E-05	4.13411E-05
150	0.000105425	0.000111671	2.5581E-05	0.000100471	4.0147E-05	0.000109403	0.00011525	1.652E-05	0.000100471	4.17872E-05
151	0.00011022	0.000116515	2.97395E-05	0.000104836	0.000130665	0.00011419	0.000120099	2.0316E-05	0.000104836	0.000126021
152	0.000110033	0.000116178	3.14716E-05	0.000105723	0.000130393	0.000114251	0.00012006	2.19748E-05	0.000105723	0.000125658
153	0.000108982	0.000114999	3.20564E-05	0.0001036	0.000130718	0.000112777	0.000118444	2.27655E-05	0.0001036	0.000126014
154	0.000106845	0.000112651	3.26236E-05	9.99038E-05	0.000130602	0.00011	0.000115432	2.3705E-05	9.99038E-05	0.000125878
155	0.000104822	0.000110442	3.29887E-05	9.63343E-05	0.000130257	0.000107358	0.000112576	2.4461E-05	9.63343E-05	0.000125486
156	0.000102237	0.000107743	3.18574E-05	9.34785E-05	0.000115163	0.000104581	0.000109673	2.3686E-05	9.34785E-05	0.000111433
157	0.000100258	0.000105645	3.13841E-05	9.12325E-05	0.000114915	0.000102416	0.000107388	2.34441E-05	9.12325E-05	0.000111155
158	9.92632E-05	0.000104658	3.03007E-05	9.09258E-05	0.000114394	0.000101621	0.000106607	2.24183E-05	9.09258E-05	0.000110572
159	0.00010065	0.000106157	3.02484E-05	9.27302E-05	0.000128416	0.000103227	0.000108328	2.22075E-05	9.27302E-05	0.000123422
160	0.000107514	0.000113421	3.19964E-05	9.90892E-05	0.000127537	0.000110294	0.000115762	2.34431E-05	9.90892E-05	0.000122437
161	0.000118775	0.00012536	3.45999E-05	0.000109039	0.000126912	0.000121755	0.000127824	2.53449E-05	0.000109039	0.000121736
162	0.000132269	0.000139391	4.12253E-05	0.000118296	0.000126395	0.000134499	0.000141002	3.1215E-05	0.000118296	0.000121159
163	0.000143957	0.00015123	5.09774E-05	0.000123723	9.62812E-05	0.000144546	0.000151108	4.03119E-05	0.000123723	9.31493E-05
164	0.000145904	0.000152992	5.5289E-05	0.000122768	6.77133E-05	0.000145518	0.000151875	4.45403E-05	0.000122768	6.69243E-05
165	0.000143307	0.000150252	5.45291E-05	0.000118086	5.22085E-05	0.000142135	0.000148308	4.40891E-05	0.000118086	5.24216E-05
166	0.000135673	0.000142413	4.95131E-05	0.000111372	3.83418E-05	0.000134518	0.000140494	3.96061E-05	0.000111372	3.98002E-05
167	0.000122696	0.000128995	4.21706E-05	0.00010335	3.78106E-05	0.000122579	0.000128222	3.29363E-05	0.00010335	3.92072E-05
168	0.000110875	0.000116915	3.36663E-05	9.72489E-05	3.77028E-05	0.000112162	0.000117646	2.5038E-05	9.72489E-05	3.90889E-05
169	9.61831E-05	0.00010174	2.51484E-05	8.84273E-05	3.76419E-05	9.87338E-05	0.000103863	1.72545E-05	8.84273E-05	3.90236E-05
170	9.24185E-05	9.79518E-05	2.16819E-05	8.69303E-05	3.73836E-05	9.55905E-05	0.000100728	1.39903E-05	8.69303E-05	3.87331E-05
171	9.11068E-05	9.66372E-05	2.04068E-05	8.69917E-05	3.75016E-05	9.46755E-05	9.9838E-05	1.26708E-05	8.69917E-05	3.88676E-05
172	9.26294E-05	9.82762E-05	2.0441E-05	8.9453E-05	3.83454E-05	9.65798E-05	0.000101878	1.24162E-05	8.9453E-05	3.98179E-05
173	9.7884E-05	0.000103787	2.24217E-05	9.46512E-05	3.97029E-05	0.000102057	0.00010761	1.38457E-05	9.46512E-05	4.13411E-05
174	0.000105425	0.000111671	2.5581E-05	0.000100471	4.0147E-05	0.000109403	0.00011525	1.652E-05	0.000100471	4.17872E-05
175	0.00011022	0.000116515	2.97395E-05	0.000104836	0.000130665	0.00011419	0.000120099	2.0316E-05	0.000104836	0.000126021
176	0.000110033	0.000116178	3.14716E-05	0.000105723	0.000130393	0.000114251	0.00012006	2.19748E-05	0.000105723	0.000125658
177	0.000108982	0.000114999	3.20564E-05	0.0001036	0.000130718	0.000112777	0.000118444	2.27655E-05	0.0001036	0.000126014
178	0.000106845	0.000112651	3.26236E-05	9.99038E-05	0.000130602	0.00011	0.000115432	2.3705E-05	9.99038E-05	0.000125878
179	0.000104822	0.000110442	3.29887E-05	9.63343E-05	0.000130257	0.000107358	0.000112576	2.4461E-05	9.63343E-05	0.000125486
180	0.000102237	0.000107743	3.18574E-05	9.34785E-05	0.000115163	0.000104581	0.000109673	2.3686E-05	9.34785E-05	0.000111433
181	0.000100258	0.000105645	3.13841E-05	9.12325E-05	0.000114915	0.000102416	0.000107388	2.34441E-05	9.12325E-05	0.000111155
182	9.92632E-05	0.000104658	3.03007E-05	9.09258E-05	0.000114394	0.000101621	0.000106607	2.24183E-05	9.09258E-05	0.000110572
183	0.00010065	0.000106157	3.02484E-05	9.27302E-05	0.000128416	0.000103227	0.000108328	2.22075E-05	9.27302E-05	0.000123422
184	0.000107514	0.000113421	3.19964E-05	9.90892E-05	0.000127537	0.000110294	0.000115762	2.34431E-05	9.90892E-05	0.000122437
185	0.000118775	0.00012536	3.45999E-05	0.000109039	0.000126912	0.000121755	0.000127824	2.53449E-05	0.000109039	0.000121736
186	0.000132269	0.000139391	4.12253E-05	0.000118296	0.000126395	0.000134499	0.000141002	3.1215E-05	0.000118296	0.000121159
187	0.000143957	0.00015123	5.09774E-05	0.000123723	9.62812E-05	0.000144546	0.000151108	4.03119E-05	0.000123723	9.31493E-05
188	0.000145904	0.000152992	5.5289E-05	0.000122768	6.77133E-05	0.000145518	0.000151875	4.45403E-05	0.000122768	6.69243E-05
189	0.000143307	0.000150252	5.45291E-05	0.000118086	5.22085E-05	0.000142135	0.000148308	4.40891E-05	0.000118086	5.24216E-05
190	0.000135673	0.000142413	4.95131E-05	0.000111372	3.83418E-05	0.000134518	0.000140494	3.96061E-05	0.000111372	3.98002E-05
191	0.000122696	0.000128995	4.21706E-05	0.00010335	3.78106E-05	0.000122579	0.000128222	3.29363E-05	0.00010335	3.92072E-05
192	0.000110875	0.000116915	3.36663E-05	9.72489E-05	3.77028E-05	0.000112162	0.000117646	2.5038E-05	9.72489E-05	3.90889E-05
193	9.57102E-05	0.000101237	2.50552E-05	8.7835E-05	3.72343E-05	9.81988E-05	0.000103296	1.72256E-05	8.7835E-05	3.85631E-05
194	9.29303E-05	9.84965E-05	2.17731E-05	8.74921E-05	3.75551E-05	9.6146E-05	0.000101315	1.403E-05	8.74921E-05	3.89264E-05
195	9.15634E-05	9.71237E-05	2.0482E-05	8.74418E-05	3.76319E-05	9.51559E-05	0.000100346	1.27118E-05	8.74418E-05	3.90143E-05
196	9.32167E-05	9.89015E-05	2.05435E-05	9.00797E-05	3.853E-05	9.7212E-05	0.000102547	1.24637E-05	9.00797E-05	4.0026E-05
197	9.85737E-05	0.000104521	2.25405E-05	9.53748E-05	3.99515E-05	0.000102795	0.000108391	1.39029E-05	9.53748E-05	4.16209E-05
198	0.00010607	0.000112357	2.56928E-05	0.000101152	4.04258E-05	0.000110095	0.000115982	1.65729E-05	0.000101152	4.21008E-05
199	0.000112546	0.00011901	2.99151E-05	0.000105769	0.000131037	0.000116221	0.000122252	2.04209E-05	0.000105769	0.000126439
200	0.000110819	0.000117015	3.16152E-05	0.000106614	0.000130845	0.000115113	0.000120973	2.2033E-05	0.000106614	0.000126166
201	0.000109823	0.000115894	3.22065E-05	0.000104524	0.000131204	0.00011369	0.00011941	2.28307E-05	0.000104524	0.000126559
202	0.000107514	0.000113362	3.27539E-05	0.000100728	0.000131046	0.000110752	0.000116229	2.37472E-05	0.000100728	0.000126375
203	0.000105359	0.000111011	3.31019E-05	9.70669E-05	0.00013077	0.000107983	0.000113239	2.44873E-05	9.70669E-05	0.00012606
204	0.000102791	0.000108331	3.19715E-05	9.42121E-05	0.000115636	0.000105219	0.00011035	2.37155E-05	9.42121E-05	0.000111962
205	0.000100821	0.000106243	3.15039E-05	9.20087E-05	0.000115381	0.000103074	0.000108086	2.34708E-05	9.20087E-05	0.000111675
206	9.97711E-05	0.000105197	3.0408E-05	9.16206E-05	0.000114849	0.000102213	0.000107235	2.2443E-05	9.16206E-05	0.000111081
207	0.000101219	0.000106761	3.03671E-05	9.34959E-05	0.000128843	0.000103887	0.000109027	2.22365E-05	9.34959E-05	0.0001239
208	0.000108167	0.000114115	3.21238E-05	9.98956E-05	0.000127883	0.000111029	0.00011654	2.34842E-05	9.98956E-05	0.000122823
209	0.00011964	0.00012628	3.47508E-05	0.000109962	0.000127202	0.000122685	0.000128809	2.54149E-05	0.000109962	0.00012206
210	0.000133304	0.000140493	4.14023E-05	0.000119371	0.00012667	0.000135604	0.000142171	3.13019E-05	0.000119371	0.000121466
211	0.00014507	0.000152416	5.11674E-05	0.000124874	9.65448E-05	0.000145734	0.000152364	4.0406E-05	0.000124874	9.34449E-05
212	0.000146999	0.000154158	5.54733E-05	0.00012388	6.7969E-05	0.00014668	0.000153104	4.46351E-05	0.00012388	6.72113E-05
213	0.000142578	0.000149458	5.46235E-05	0.000118786	5.24587E-05	0.000141801	0.00014795	4.41211E-05	0.000118786	5.27026E-05
214	0.000136364	0.000143148	4.96374E-05	0.00011214	3.85704E-05	0.000135271	0.00014129	3.96586E-05	0.00011214	4.00575E-05
215	0.000123325	0.000129664	4.22846E-05	0.000104056	3.79868E-05	0.000123266	0.000128949	3.29835E-05	0.000104056	3.94061E-05
216	0.000111373	0.000117444	3.37537E-05	9.77837E-05	3.77968E-05	0.000112698	0.000118214	2.50778E-05	9.77837E-05	3.91952E-05
217	9.57102E-05	0.000101237	2.50552E-05	8.7835E-05	3.72343E-05	9.81988E-05	0.000103296	1.72256E-05	8.7835E-05	3.85631E-05
218	9.29303E-05	9.84965E-05	2.17731E-05	8.74921E-05	3.75551E-05	9.6146E-05	0.000101315	1.403E-05	8.74921E-05	3.89264E-05
219	9.15634E-05	9.71237E-05	2.0482E-05	8.74418E-05	3.76319E-05	9.51559E-05	0.000100346	1.27118E-05	8.74418E-05	3.90143E-05

220	9.32167E-05	9.89015E-05	2.05435E-05	9.00797E-05	3.853E-05	9.7212E-05	0.000102547	1.24637E-05	9.00797E-05	4.0026E-05
221	9.85737E-05	0.000104521	2.25405E-05	9.53748E-05	3.99515E-05	0.000102795	0.000108391	1.39029E-05	9.53748E-05	4.16209E-05
222	0.00010607	0.000112357	2.56928E-05	0.000101152	4.04258E-05	0.000110095	0.000115982	1.65729E-05	0.000101152	4.21008E-05
223	0.000112546	0.00011901	2.99151E-05	0.000105769	0.000131037	0.000116221	0.000122252	2.04209E-05	0.000105769	0.000126439
224	0.000110819	0.000117015	3.16152E-05	0.000106614	0.000130845	0.000115113	0.000120973	2.2033E-05	0.000106614	0.000126166
225	0.000109823	0.000115894	3.22065E-05	0.000104524	0.000131204	0.00011369	0.00011941	2.28307E-05	0.000104524	0.000126559
226	0.000107514	0.000113362	3.27539E-05	0.000100728	0.000131046	0.000110752	0.000116229	2.37472E-05	0.000100728	0.000126375
227	0.000105359	0.000111011	3.31019E-05	9.70669E-05	0.00013077	0.000107983	0.000113239	2.44873E-05	9.70669E-05	0.00012606
228	0.000102791	0.000108331	3.19715E-05	9.42121E-05	0.000115636	0.000105219	0.00011035	2.37155E-05	9.42121E-05	0.000111962
229	0.000100821	0.000106243	3.15039E-05	9.20087E-05	0.000115381	0.000103074	0.000108086	2.34708E-05	9.20087E-05	0.000111675
230	9.97711E-05	0.000105197	3.0408E-05	9.16206E-05	0.000114849	0.000102213	0.000107235	2.2443E-05	9.16206E-05	0.000111081
231	0.000101219	0.000106761	3.03671E-05	9.34959E-05	0.000128843	0.000103887	0.000109027	2.22365E-05	9.34959E-05	0.0001239
232	0.000108167	0.000114115	3.21238E-05	9.98956E-05	0.000127883	0.000111029	0.00011654	2.34842E-05	9.98956E-05	0.000122823
233	0.00011964	0.00012628	3.47508E-05	0.000109962	0.000127202	0.000122685	0.000128809	2.54149E-05	0.000109962	0.00012206
234	0.000133304	0.000140493	4.14023E-05	0.000119371	0.00012667	0.000135604	0.000142171	3.13019E-05	0.000119371	0.000121466
235	0.00014507	0.000152416	5.11674E-05	0.000124874	9.65448E-05	0.000145734	0.000152364	4.0406E-05	0.000124874	9.34449E-05
236	0.000146999	0.000154158	5.54733E-05	0.00012388	6.7969E-05	0.00014668	0.000153104	4.46351E-05	0.00012388	6.72113E-05
237	0.000142578	0.000149458	5.46235E-05	0.000118786	5.24587E-05	0.000141801	0.00014795	4.41211E-05	0.000118786	5.27026E-05
238	0.000136364	0.000143148	4.96374E-05	0.00011214	3.85704E-05	0.000135271	0.00014129	3.96586E-05	0.00011214	4.00575E-05
239	0.000123325	0.000129664	4.22846E-05	0.000104056	3.79868E-05	0.000123266	0.000128949	3.29835E-05	0.000104056	3.94061E-05
240	0.000111373	0.000117444	3.37537E-05	9.77837E-05	3.77968E-05	0.000112698	0.000118214	2.50778E-05	9.77837E-05	3.91952E-05
241	9.61831E-05	0.00010174	2.51484E-05	8.84273E-05	3.76419E-05	9.87338E-05	0.000103863	1.72545E-05	8.84273E-05	3.90236E-05
242	9.24185E-05	9.79518E-05	2.16819E-05	8.69303E-05	3.73836E-05	9.55905E-05	0.000100728	1.39903E-05	8.69303E-05	3.87331E-05
243	9.11068E-05	9.66372E-05	2.04068E-05	8.69917E-05	3.75016E-05	9.46755E-05	9.9838E-05	1.26708E-05	8.69917E-05	3.88676E-05
244	9.26294E-05	9.82762E-05	2.0441E-05	8.9453E-05	3.83454E-05	9.65798E-05	0.000101878	1.24162E-05	8.9453E-05	3.98179E-05
245	9.7884E-05	0.000103787	2.24217E-05	9.46512E-05	3.97029E-05	0.000102057	0.00010761	1.38457E-05	9.46512E-05	4.13411E-05
246	0.000105425	0.000111671	2.5581E-05	0.000100471	4.0147E-05	0.000109403	0.00011525	1.652E-05	0.000100471	4.17872E-05
247	0.00011022	0.000116515	2.97395E-05	0.000104836	0.000130665	0.00011419	0.000120099	2.0316E-05	0.000104836	0.000126021
248	0.000110033	0.000116178	3.14716E-05	0.000105723	0.000130393	0.000114251	0.00012006	2.19748E-05	0.000105723	0.000125658
249	0.000108982	0.000114999	3.20564E-05	0.0001036	0.000130718	0.000112777	0.000118444	2.27655E-05	0.0001036	0.000126014
250	0.000106845	0.000112651	3.26236E-05	9.99038E-05	0.000130602	0.00011	0.000115432	2.3705E-05	9.99038E-05	0.000125878
251	0.000104822	0.000110442	3.29887E-05	9.63343E-05	0.000130257	0.000107358	0.000112576	2.4461E-05	9.63343E-05	0.000125486
252	0.000102237	0.000107743	3.18574E-05	9.34785E-05	0.000115163	0.000104581	0.000109673	2.3686E-05	9.34785E-05	0.000111433
253	0.000100258	0.000105645	3.13841E-05	9.12325E-05	0.000114915	0.000102416	0.000107388	2.34441E-05	9.12325E-05	0.000111155
254	9.92632E-05	0.000104658	3.03007E-05	9.09258E-05	0.000114394	0.000101621	0.000106607	2.24183E-05	9.09258E-05	0.000110572
255	0.00010065	0.000106157	3.02484E-05	9.27302E-05	0.000128416	0.000103227	0.000108328	2.22075E-05	9.27302E-05	0.000123422
256	0.000107514	0.000113421	3.19964E-05	9.90892E-05	0.000127537	0.000110294	0.000115762	2.34431E-05	9.90892E-05	0.000122437
257	0.000118775	0.00012536	3.45999E-05	0.000109039	0.000126912	0.000121755	0.000127824	2.53449E-05	0.000109039	0.000121736
258	0.000132269	0.000139391	4.12253E-05	0.000118296	0.000126395	0.000134499	0.000141002	3.1215E-05	0.000118296	0.000121159
259	0.000143957	0.00015123	5.09774E-05	0.000123723	9.62812E-05	0.000144546	0.000151108	4.03119E-05	0.000123723	9.31493E-05
260	0.000145904	0.000152992	5.5289E-05	0.000122768	6.77133E-05	0.000145518	0.000151875	4.45403E-05	0.000122768	6.69243E-05
261	0.000143307	0.000150252	5.45291E-05	0.000118086	5.22085E-05	0.000142135	0.000148308	4.40891E-05	0.000118086	5.24216E-05
262	0.000135673	0.000142413	4.95131E-05	0.000111372	3.83418E-05	0.000134518	0.000140494	3.96061E-05	0.000111372	3.98002E-05
263	0.000122696	0.000128995	4.21706E-05	0.00010335	3.78106E-05	0.000122579	0.000128222	3.29363E-05	0.00010335	3.92072E-05
264	0.000110875	0.000116915	3.36663E-05	9.72489E-05	3.77028E-05	0.000112162	0.000117646	2.5038E-05	9.72489E-05	3.90889E-05
265	9.61831E-05	0.00010174	2.51484E-05	8.84273E-05	3.76419E-05	9.87338E-05	0.000103863	1.72545E-05	8.84273E-05	3.90236E-05
266	9.24185E-05	9.79518E-05	2.16819E-05	8.69303E-05	3.73836E-05	9.55905E-05	0.000100728	1.39903E-05	8.69303E-05	3.87331E-05
267	9.11068E-05	9.66372E-05	2.04068E-05	8.69917E-05	3.75016E-05	9.46755E-05	9.9838E-05	1.26708E-05	8.69917E-05	3.88676E-05
268	9.26294E-05	9.82762E-05	2.0441E-05	8.9453E-05	3.83454E-05	9.65798E-05	0.000101878	1.24162E-05	8.9453E-05	3.98179E-05
269	9.7884E-05	0.000103787	2.24217E-05	9.46512E-05	3.97029E-05	0.000102057	0.00010761	1.38457E-05	9.46512E-05	4.13411E-05
270	0.000105425	0.000111671	2.5581E-05	0.000100471	4.0147E-05	0.000109403	0.00011525	1.652E-05	0.000100471	4.17872E-05
271	0.00011022	0.000116515	2.97395E-05	0.000104836	0.000130665	0.00011419	0.000120099	2.0316E-05	0.000104836	0.000126021
272	0.000110033	0.000116178	3.14716E-05	0.000105723	0.000130393	0.000114251	0.00012006	2.19748E-05	0.000105723	0.000125658
273	0.000108982	0.000114999	3.20564E-05	0.0001036	0.000130718	0.000112777	0.000118444	2.27655E-05	0.0001036	0.000126014
274	0.000106845	0.000112651	3.26236E-05	9.99038E-05	0.000130602	0.00011	0.000115432	2.3705E-05	9.99038E-05	0.000125878
275	0.000104822	0.000110442	3.29887E-05	9.63343E-05	0.000130257	0.000107358	0.000112576	2.4461E-05	9.63343E-05	0.000125486
276	0.000102237	0.000107743	3.18574E-05	9.34785E-05	0.000115163	0.000104581	0.000109673	2.3686E-05	9.34785E-05	0.000111433
277	0.000100258	0.000105645	3.13841E-05	9.12325E-05	0.000114915	0.000102416	0.000107388	2.34441E-05	9.12325E-05	0.000111155
278	9.92632E-05	0.000104658	3.03007E-05	9.09258E-05	0.000114394	0.000101621	0.000106607	2.24183E-05	9.09258E-05	0.000110572
279	0.00010065	0.000106157	3.02484E-05	9.27302E-05	0.000128416	0.000103227	0.000108328	2.22075E-05	9.27302E-05	0.000123422
280	0.000107514	0.000113421	3.19964E-05	9.90892E-05	0.000127537	0.000110294	0.000115762	2.34431E-05	9.90892E-05	0.000122437
281	0.000118775	0.00012536	3.45999E-05	0.000109039	0.000126912	0.000121755	0.000127824	2.53449E-05	0.000109039	0.000121736
282	0.000132269	0.000139391	4.12253E-05	0.000118296	0.000126395	0.000134499	0.000141002	3.1215E-05	0.000118296	0.000121159
283	0.000143957	0.000151123	5.09774E-05	0.000123723	9.62812E-05	0.000144546	0.000151108	4.03119E-05	0.000123723	9.31493E-05
284	0.000145904	0.000152992	5.5289E-05	0.000122768	6.77133E-05	0.000145518	0.000151875	4.45403E-05	0.000122768	6.69243E-05
285	0.000143307	0.000150252	5.45291E-05	0.000118086	5.22085E-05	0.000142135	0.000148308	4.40891E-05	0.000118086	5.24216E-05
286	0.000135673	0.000142413	4.95131E-05	0.000111372	3.83418E-05	0.000134518	0.000140494	3.96061E-05	0.000111372	3.98002E-05
287	0.000122696	0.000128995	4.21706E-05	0.00010335	3.78106E-05	0.000122579	0.000128222	3.29363E-05	0.00010335	3.92072E-05
288	0.000110875	0.000116915	3.36663E-05	9.72489E-05	3.77028E-05	0.000112162	0.000117646	2.5038E-05	9.72489E-05	3.90889E-05
289	9.61831E-05	0.00010174	2.51484E-05	8.84273E-05	3.76419E-05	9.87338E-05	0.000103863	1.72545E-05	8.84273E-05	3.90236E-05
290	9.24185E-05	9.79518E-05	2.16819E-05	8.69303E-05	3.73836E-05	9.55905E-05	0.000100728	1.39903E-05	8.69303E-05	3.87331E-05
291	9.11068E-05	9.66372E-05	2.04068E-05	8.69917E-05	3.75016E-05	9.46755E-05	9.9838E-05	1.26708E-05	8.69917E-05	3.88676E-05
292	9.26294E-05	9.82762E-05	2.0441E-05	8.9453E-05	3.83454E-05	9.65798E-05	0.000101878	1.24162E-05	8.9453E-05	3.98179E-05
293	9.7884E-05	0.000103787	2.24217E-05	9.46512E-05	3.97029E-05	0.000102057	0.00010761	1.38457E-05	9.46512E-05	4.13411E-05
294	0.000105425	0.000111671	2.5581E-05	0.000100471	4.0147E-05	0.000109403	0.00011525	1.652E-05	0.000100471	4.17872E-05
295	0.00011022	0.000116515	2.97395E-05	0.000104836	0.000130665	0.00011419	0.000120099	2.0316E-05	0.000104836	0.000126021

296	0.000110033	0.000116178	3.14716E-05	0.000105723	0.000130393	0.000114251	0.00012006	2.19748E-05	0.000105723	0.000125658
297	0.000108982	0.000114999	3.20564E-05	0.0001036	0.000130718	0.000112777	0.000118444	2.27655E-05	0.0001036	0.000126014
298	0.000106845	0.000112651	3.26236E-05	9.99038E-05	0.000130602	0.00011	0.000115432	2.3705E-05	9.99038E-05	0.000125878
299	0.000104822	0.000110442	3.29887E-05	9.63343E-05	0.000130257	0.000107358	0.000112576	2.4461E-05	9.63343E-05	0.000125486
300	0.000102237	0.000107743	3.18574E-05	9.34785E-05	0.000115163	0.000104581	0.000109673	2.3686E-05	9.34785E-05	0.000111433
301	0.000100258	0.000105645	3.13841E-05	9.12325E-05	0.000114915	0.000102416	0.000107388	2.34441E-05	9.12325E-05	0.000111155
302	9.92632E-05	0.000104658	3.03007E-05	9.09258E-05	0.000114394	0.000101621	0.000106607	2.24183E-05	9.09258E-05	0.000110572
303	0.00010065	0.000106157	3.02484E-05	9.27302E-05	0.000128416	0.000103227	0.000108328	2.22075E-05	9.27302E-05	0.000123422
304	0.000107514	0.000113421	3.19964E-05	9.90892E-05	0.000127537	0.000110294	0.000115762	2.34431E-05	9.90892E-05	0.000122437
305	0.000118775	0.00012536	3.45999E-05	0.000109039	0.000126912	0.000121755	0.000127824	2.53449E-05	0.000109039	0.000121736
306	0.000132269	0.000139391	4.12253E-05	0.000118296	0.000126395	0.000134499	0.000141002	3.1215E-05	0.000118296	0.000121159
307	0.000143957	0.00015123	5.09774E-05	0.000123723	9.62812E-05	0.000144546	0.000151108	4.03119E-05	0.000123723	9.31493E-05
308	0.000145904	0.000152992	5.5289E-05	0.000122768	6.77133E-05	0.000145518	0.000151875	4.45403E-05	0.000122768	6.69243E-05
309	0.000143307	0.000150252	5.45291E-05	0.000118086	5.22085E-05	0.000142135	0.000148308	4.40891E-05	0.000118086	5.24216E-05
310	0.000135673	0.000142413	4.95131E-05	0.000111372	3.83418E-05	0.000134518	0.000140494	3.96061E-05	0.000111372	3.98002E-05
311	0.000122696	0.000128995	4.21706E-05	0.00010335	3.78106E-05	0.000122579	0.000128222	3.29363E-05	0.00010335	3.92072E-05
312	0.000110875	0.000116915	3.36663E-05	9.72489E-05	3.77028E-05	0.000112162	0.000117646	2.5038E-05	9.72489E-05	3.90889E-05
313	9.61831E-05	0.00010174	2.51484E-05	8.84273E-05	3.76419E-05	9.87338E-05	0.000103863	1.72545E-05	8.84273E-05	3.90236E-05
314	9.24185E-05	9.79518E-05	2.16819E-05	8.69303E-05	3.73836E-05	9.55905E-05	0.000100728	1.39903E-05	8.69303E-05	3.87331E-05
315	9.11068E-05	9.66372E-05	2.04068E-05	8.69917E-05	3.75016E-05	9.46755E-05	9.9838E-05	1.26708E-05	8.69917E-05	3.88676E-05
316	9.26294E-05	9.82762E-05	2.0441E-05	8.9453E-05	3.83454E-05	9.65798E-05	0.000101878	1.24162E-05	8.9453E-05	3.98179E-05
317	9.7884E-05	0.000103787	2.24217E-05	9.46512E-05	3.97029E-05	0.000102057	0.00010761	1.38457E-05	9.46512E-05	4.13411E-05
318	0.000105425	0.000111671	2.5581E-05	0.000100471	4.0147E-05	0.000109403	0.00011525	1.652E-05	0.000100471	4.17872E-05
319	0.00011022	0.000116515	2.97395E-05	0.000104836	0.000130665	0.00011419	0.000120099	2.0316E-05	0.000104836	0.000126021
320	0.000110033	0.000116178	3.14716E-05	0.000105723	0.000130393	0.000114251	0.00012006	2.19748E-05	0.000105723	0.000125658
321	0.000108982	0.000114999	3.20564E-05	0.0001036	0.000130718	0.000112777	0.000118444	2.27655E-05	0.0001036	0.000126014
322	0.000106845	0.000112651	3.26236E-05	9.99038E-05	0.000130602	0.00011	0.000115432	2.3705E-05	9.99038E-05	0.000125878
323	0.000104822	0.000110442	3.29887E-05	9.63343E-05	0.000130257	0.000107358	0.000112576	2.4461E-05	9.63343E-05	0.000125486
324	0.000102237	0.000107743	3.18574E-05	9.34785E-05	0.000115163	0.000104581	0.000109673	2.3686E-05	9.34785E-05	0.000111433
325	0.000100258	0.000105645	3.13841E-05	9.12325E-05	0.000114915	0.000102416	0.000107388	2.34441E-05	9.12325E-05	0.000111155
326	9.92632E-05	0.000104658	3.03007E-05	9.09258E-05	0.000114394	0.000101621	0.000106607	2.24183E-05	9.09258E-05	0.000110572
327	0.00010065	0.000106157	3.02484E-05	9.27302E-05	0.000128416	0.000103227	0.000108328	2.22075E-05	9.27302E-05	0.000123422
328	0.000107514	0.000113421	3.19964E-05	9.90892E-05	0.000127537	0.000110294	0.000115762	2.34431E-05	9.90892E-05	0.000122437
329	0.000118775	0.00012536	3.45999E-05	0.000109039	0.000126912	0.000121755	0.000127824	2.53449E-05	0.000109039	0.000121736
330	0.000132269	0.000139391	4.12253E-05	0.000118296	0.000126395	0.000134499	0.000141002	3.1215E-05	0.000118296	0.000121159
331	0.000143957	0.00015123	5.09774E-05	0.000123723	9.62812E-05	0.000144546	0.000151108	4.03119E-05	0.000123723	9.31493E-05
332	0.000145904	0.000152992	5.5289E-05	0.000122768	6.77133E-05	0.000145518	0.000151875	4.45403E-05	0.000122768	6.69243E-05
333	0.000143307	0.000150252	5.45291E-05	0.000118086	5.22085E-05	0.000142135	0.000148308	4.40891E-05	0.000118086	5.24216E-05
334	0.000135673	0.000142413	4.95131E-05	0.000111372	3.83418E-05	0.000134518	0.000140494	3.96061E-05	0.000111372	3.98002E-05
335	0.000122696	0.000128995	4.21706E-05	0.00010335	3.78106E-05	0.000122579	0.000128222	3.29363E-05	0.00010335	3.92072E-05
336	0.000110875	0.000116915	3.36663E-05	9.72489E-05	3.77028E-05	0.000112162	0.000117646	2.5038E-05	9.72489E-05	3.90889E-05
337	9.61831E-05	0.00010174	2.51484E-05	8.84273E-05	3.76419E-05	9.87338E-05	0.000103863	1.72545E-05	8.84273E-05	3.90236E-05
338	9.24185E-05	9.79518E-05	2.16819E-05	8.69303E-05	3.73836E-05	9.55905E-05	0.000100728	1.39903E-05	8.69303E-05	3.87331E-05
339	9.11068E-05	9.66372E-05	2.04068E-05	8.69917E-05	3.75016E-05	9.46755E-05	9.9838E-05	1.26708E-05	8.69917E-05	3.88676E-05
340	9.26294E-05	9.82762E-05	2.0441E-05	8.9453E-05	3.83454E-05	9.65798E-05	0.000101878	1.24162E-05	8.9453E-05	3.98179E-05
341	9.7884E-05	0.000103787	2.24217E-05	9.46512E-05	3.97029E-05	0.000102057	0.00010761	1.38457E-05	9.46512E-05	4.13411E-05
342	0.000105425	0.000111671	2.5581E-05	0.000100471	4.0147E-05	0.000109403	0.00011525	1.652E-05	0.000100471	4.17872E-05
343	0.00011022	0.000116515	2.97395E-05	0.000104836	0.000130665	0.00011419	0.000120099	2.0316E-05	0.000104836	0.000126021
344	0.000110033	0.000116178	3.14716E-05	0.000105723	0.000130393	0.000114251	0.00012006	2.19748E-05	0.000105723	0.000125658
345	0.000108982	0.000114999	3.20564E-05	0.0001036	0.000130718	0.000112777	0.000118444	2.27655E-05	0.0001036	0.000126014
346	0.000106845	0.000112651	3.26236E-05	9.99038E-05	0.000130602	0.00011	0.000115432	2.3705E-05	9.99038E-05	0.000125878
347	0.000104822	0.000110442	3.29887E-05	9.63343E-05	0.000130257	0.000107358	0.000112576	2.4461E-05	9.63343E-05	0.000125486
348	0.000102237	0.000107743	3.18574E-05	9.34785E-05	0.000115163	0.000104581	0.000109673	2.3686E-05	9.34785E-05	0.000111433
349	0.000100258	0.000105645	3.13841E-05	9.12325E-05	0.000114915	0.000102416	0.000107388	2.34441E-05	9.12325E-05	0.000111155
350	9.92632E-05	0.000104658	3.03007E-05	9.09258E-05	0.000114394	0.000101621	0.000106607	2.24183E-05	9.09258E-05	0.000110572
351	0.00010065	0.000106157	3.02484E-05	9.27302E-05	0.000128416	0.000103227	0.000108328	2.22075E-05	9.27302E-05	0.000123422
352	0.000107514	0.000113421	3.19964E-05	9.90892E-05	0.000127537	0.000110294	0.000115762	2.34431E-05	9.90892E-05	0.000122437
353	0.000118775	0.00012536	3.45999E-05	0.000109039	0.000126912	0.000121755	0.000127824	2.53449E-05	0.000109039	0.000121736
354	0.000132269	0.000139391	4.12253E-05	0.000118296	0.000126395	0.000134499	0.000141002	3.1215E-05	0.000118296	0.000121159
355	0.000143957	0.00015123	5.09774E-05	0.000123723	9.62812E-05	0.000144546	0.000151108	4.03119E-05	0.000123723	9.31493E-05
356	0.000145904	0.000152992	5.5289E-05	0.000122768	6.77133E-05	0.000145518	0.000151875	4.45403E-05	0.000122768	6.69243E-05
357	0.000143307	0.000150252	5.45291E-05	0.000118086	5.22085E-05	0.000142135	0.000148308	4.40891E-05	0.000118086	5.24216E-05
358	0.000135673	0.000142413	4.95131E-05	0.000111372	3.83418E-05	0.000134518	0.000140494	3.96061E-05	0.000111372	3.98002E-05
359	0.000122696	0.000128995	4.21706E-05	0.00010335	3.78106E-05	0.000122579	0.000128222	3.29363E-05	0.00010335	3.92072E-05
360	0.000110875	0.000116915	3.36663E-05	9.72489E-05	3.77028E-05	0.000112162	0.000117646	2.5038E-05	9.72489E-05	3.90889E-05
361	9.57102E-05	0.000101237	2.50552E-05	8.7835E-05	3.72343E-05	9.81988E-05	0.000103296	1.72256E-05	8.7835E-05	3.85631E-05
362	9.29303E-05	9.84965E-05	2.17731E-05	8.74921E-05	3.75551E-05	9.6146E-05	0.000101315	1.403E-05	8.74921E-05	3.89264E-05
363	9.15634E-05	9.71237E-05	2.0482E-05	8.74418E-05	3.76319E-05	9.51559E-05	0.000100346	1.27118E-05	8.74418E-05	3.90143E-05
364	9.32167E-05	9.89015E-05	2.05435E-05	9.00797E-05	3.853E-05	9.7212E-05	0.000102547	1.24637E-05	9.00797E-05	4.0026E-05
365	9.85737E-05	0.000104521	2.25405E-05	9.53748E-05	3.99515E-05	0.000102795	0.000108391	1.39029E-05	9.53748E-05	4.16209E-05
366	0.00010607	0.000112357	2.56928E-05	0.000101152	4.04258E-05	0.000110095	0.000115982	1.65729E-05	0.000101152	4.21008E-05
367	0.000112546	0.00011901	2.99151E-05	0.000105769	0.000131037	0.000116221	0.000122252	2.04209E-05	0.000105769	0.000126439
368	0.000110819	0.000117015	3.16152E-05	0.000106614	0.000130845	0.000115113	0.000120973	2.2033E-05	0.000106614	0.000126166
369	0.000109823	0.000115894	3.22065E-05	0.000104524	0.000131204	0.00011369	0.00011941	2.28307E-05	0.000104524	0.000126559
370	0.000107514	0.000113362	3.27539E-05	0.000100728	0.000131046	0.000110752	0.000116229	2.37472E-05	0.000100728	0.000126375
371	0.000105359	0.000111011	3.31019E-05	9.70669E-05	0.00013077	0.000107983	0.000113239	2.44873E-05	9.70669E-05	0.00012606

372	0.000102791	0.000108331	3.19715E-05	9.42121E-05	0.000115636	0.000105219	0.00011035	2.37155E-05	9.42121E-05	0.000111962
373	0.000100821	0.000106243	3.15039E-05	9.20087E-05	0.000115381	0.000103074	0.000108086	2.34708E-05	9.20087E-05	0.000111675
374	9.97711E-05	0.000105197	3.0408E-05	9.16206E-05	0.000114849	0.000102213	0.000107235	2.2443E-05	9.16206E-05	0.000111081
375	0.000101219	0.000106761	3.03671E-05	9.34959E-05	0.000128843	0.000103887	0.000109027	2.22365E-05	9.34959E-05	0.0001239
376	0.000108167	0.000114115	3.21238E-05	9.98956E-05	0.000127883	0.000111029	0.00011654	2.34842E-05	9.98956E-05	0.000122823
377	0.00011964	0.00012628	3.47508E-05	0.000109962	0.000127202	0.000122685	0.000128809	2.54149E-05	0.000109962	0.00012206
378	0.000133304	0.000140493	4.14023E-05	0.000119371	0.00012667	0.000135604	0.000142171	3.13019E-05	0.000119371	0.000121466
379	0.00014507	0.000152416	5.11674E-05	0.000124874	9.65448E-05	0.000145734	0.000152364	4.0406E-05	0.000124874	9.34449E-05
380	0.000146999	0.000154158	5.54733E-05	0.00012388	6.7969E-05	0.00014668	0.000153104	4.46351E-05	0.00012388	6.72113E-05
381	0.000142578	0.000149458	5.46235E-05	0.000118786	5.24587E-05	0.000141801	0.00014795	4.41211E-05	0.000118786	5.27026E-05
382	0.000136364	0.000143148	4.96374E-05	0.00011214	3.85704E-05	0.000135271	0.00014129	3.96586E-05	0.00011214	4.00575E-05
383	0.000123325	0.000129664	4.22846E-05	0.000104056	3.79868E-05	0.000123266	0.000128949	3.29835E-05	0.000104056	3.94061E-05
384	0.000111373	0.000117444	3.37537E-05	9.77837E-05	3.77968E-05	0.000112698	0.000118214	2.50778E-05	9.77837E-05	3.91952E-05
385	9.57102E-05	0.000101237	2.50552E-05	8.7835E-05	3.72343E-05	9.81988E-05	0.000103296	1.72256E-05	8.7835E-05	3.85631E-05
386	9.29303E-05	9.84965E-05	2.17731E-05	8.74921E-05	3.75551E-05	9.6146E-05	0.000101315	1.403E-05	8.74921E-05	3.89264E-05
387	9.15634E-05	9.71237E-05	2.0482E-05	8.74418E-05	3.76319E-05	9.51559E-05	0.000100346	1.27118E-05	8.74418E-05	3.90143E-05
388	9.32167E-05	9.89015E-05	2.05435E-05	9.00797E-05	3.853E-05	9.7212E-05	0.000102547	1.24637E-05	9.00797E-05	4.0026E-05
389	9.85737E-05	0.000104521	2.25405E-05	9.53748E-05	3.99515E-05	0.000102795	0.000108391	1.39029E-05	9.53748E-05	4.16209E-05
390	0.00010607	0.000112357	2.56928E-05	0.000101152	4.04258E-05	0.000110095	0.000115982	1.65729E-05	0.000101152	4.21008E-05
391	0.000112546	0.00011901	2.99151E-05	0.000105769	0.000131037	0.000116221	0.000122252	2.04209E-05	0.000105769	0.000126439
392	0.000110819	0.000117015	3.16152E-05	0.000106614	0.000130845	0.000115113	0.000120973	2.2033E-05	0.000106614	0.000126166
393	0.000109823	0.000115894	3.22065E-05	0.000104524	0.000131204	0.00011369	0.00011941	2.28307E-05	0.000104524	0.000126559
394	0.000107514	0.000113362	3.27539E-05	0.000100728	0.000131046	0.000110752	0.000116229	2.37472E-05	0.000100728	0.000126375
395	0.000105359	0.000111011	3.31019E-05	9.70669E-05	0.00013077	0.000107983	0.000113239	2.44873E-05	9.70669E-05	0.00012606
396	0.000102791	0.000108331	3.19715E-05	9.42121E-05	0.000115636	0.000105219	0.00011035	2.37155E-05	9.42121E-05	0.000111962
397	0.000100821	0.000106243	3.15039E-05	9.20087E-05	0.000115381	0.000103074	0.000108086	2.34708E-05	9.20087E-05	0.000111675
398	9.97711E-05	0.000105197	3.0408E-05	9.16206E-05	0.000114849	0.000102213	0.000107235	2.2443E-05	9.16206E-05	0.000111081
399	0.000101219	0.000106761	3.03671E-05	9.34959E-05	0.000128843	0.000103887	0.000109027	2.22365E-05	9.34959E-05	0.0001239
400	0.000108167	0.000114115	3.21238E-05	9.98956E-05	0.000127883	0.000111029	0.00011654	2.34842E-05	9.98956E-05	0.000122823
401	0.00011964	0.00012628	3.47508E-05	0.000109962	0.000127202	0.000122685	0.000128809	2.54149E-05	0.000109962	0.00012206
402	0.000133304	0.000140493	4.14023E-05	0.000119371	0.00012667	0.000135604	0.000142171	3.13019E-05	0.000119371	0.000121466
403	0.00014507	0.000152416	5.11674E-05	0.000124874	9.65448E-05	0.000145734	0.000152364	4.0406E-05	0.000124874	9.34449E-05
404	0.000146999	0.000154158	5.54733E-05	0.00012388	6.7969E-05	0.00014668	0.000153104	4.46351E-05	0.00012388	6.72113E-05
405	0.000142578	0.000149458	5.46235E-05	0.000118786	5.24587E-05	0.000141801	0.00014795	4.41211E-05	0.000118786	5.27026E-05
406	0.000136364	0.000143148	4.96374E-05	0.00011214	3.85704E-05	0.000135271	0.00014129	3.96586E-05	0.00011214	4.00575E-05
407	0.000123325	0.000129664	4.22846E-05	0.000104056	3.79868E-05	0.000123266	0.000128949	3.29835E-05	0.000104056	3.94061E-05
408	0.000111373	0.000117444	3.37537E-05	9.77837E-05	3.77968E-05	0.000112698	0.000118214	2.50778E-05	9.77837E-05	3.91952E-05
409	9.57102E-05	0.000101237	2.50552E-05	8.7835E-05	3.72343E-05	9.81988E-05	0.000103296	1.72256E-05	8.7835E-05	3.85631E-05
410	9.29303E-05	9.84965E-05	2.17731E-05	8.74921E-05	3.75551E-05	9.6146E-05	0.000101315	1.403E-05	8.74921E-05	3.89264E-05
411	9.15634E-05	9.71237E-05	2.0482E-05	8.74418E-05	3.76319E-05	9.51559E-05	0.000100346	1.27118E-05	8.74418E-05	3.90143E-05
412	9.32167E-05	9.89015E-05	2.05435E-05	9.00797E-05	3.853E-05	9.7212E-05	0.000102547	1.24637E-05	9.00797E-05	4.0026E-05
413	9.85737E-05	0.000104521	2.25405E-05	9.53748E-05	3.99515E-05	0.000102795	0.000108391	1.39029E-05	9.53748E-05	4.16209E-05
414	0.00010607	0.000112357	2.56928E-05	0.000101152	4.04258E-05	0.000110095	0.000115982	1.65729E-05	0.000101152	4.21008E-05
415	0.000112546	0.00011901	2.99151E-05	0.000105769	0.000131037	0.000116221	0.000122252	2.04209E-05	0.000105769	0.000126439
416	0.000110819	0.000117015	3.16152E-05	0.000106614	0.000130845	0.000115113	0.000120973	2.2033E-05	0.000106614	0.000126166
417	0.000109823	0.000115894	3.22065E-05	0.000104524	0.000131204	0.00011369	0.00011941	2.28307E-05	0.000104524	0.000126559
418	0.000107514	0.000113362	3.27539E-05	0.000100728	0.000131046	0.000110752	0.000116229	2.37472E-05	0.000100728	0.000126375
419	0.000105359	0.000111011	3.31019E-05	9.70669E-05	0.00013077	0.000107983	0.000113239	2.44873E-05	9.70669E-05	0.00012606
420	0.000102791	0.000108331	3.19715E-05	9.42121E-05	0.000115636	0.000105219	0.00011035	2.37155E-05	9.42121E-05	0.000111962
421	0.000100821	0.000106243	3.15039E-05	9.20087E-05	0.000115381	0.000103074	0.000108086	2.34708E-05	9.20087E-05	0.000111675
422	9.97711E-05	0.000105197	3.0408E-05	9.16206E-05	0.000114849	0.000102213	0.000107235	2.2443E-05	9.16206E-05	0.000111081
423	0.000101219	0.000106761	3.03671E-05	9.34959E-05	0.000128843	0.000103887	0.000109027	2.22365E-05	9.34959E-05	0.0001239
424	0.000108167	0.000114115	3.21238E-05	9.98956E-05	0.000127883	0.000111029	0.00011654	2.34842E-05	9.98956E-05	0.000122823
425	0.00011964	0.00012628	3.47508E-05	0.000109962	0.000127202	0.000122685	0.000128809	2.54149E-05	0.000109962	0.00012206
426	0.000133304	0.000140493	4.14023E-05	0.000119371	0.00012667	0.000135604	0.000142171	3.13019E-05	0.000119371	0.000121466
427	0.00014507	0.000152416	5.11674E-05	0.000124874	9.65448E-05	0.000145734	0.000152364	4.0406E-05	0.000124874	9.34449E-05
428	0.000146999	0.000154158	5.54733E-05	0.00012388	6.7969E-05	0.00014668	0.000153104	4.46351E-05	0.00012388	6.72113E-05
429	0.000142578	0.000149458	5.46235E-05	0.000118786	5.24587E-05	0.000141801	0.00014795	4.41211E-05	0.000118786	5.27026E-05
430	0.000136364	0.000143148	4.96374E-05	0.00011214	3.85704E-05	0.000135271	0.00014129	3.96586E-05	0.00011214	4.00575E-05
431	0.000123325	0.000129664	4.22846E-05	0.000104056	3.79868E-05	0.000123266	0.000128949	3.29835E-05	0.000104056	3.94061E-05
432	0.000111373	0.000117444	3.37537E-05	9.77837E-05	3.77968E-05	0.000112698	0.000118214	2.50778E-05	9.77837E-05	3.91952E-05
433	9.61831E-05	0.00010174	2.51484E-05	8.84273E-05	3.76419E-05	9.87338E-05	0.000103863	1.72545E-05	8.84273E-05	3.90236E-05
434	9.24185E-05	9.79518E-05	2.16819E-05	8.69303E-05	3.73836E-05	9.55905E-05	0.000100728	1.39903E-05	8.69303E-05	3.87331E-05
435	9.11068E-05	9.66372E-05	2.04068E-05	8.69917E-05	3.75016E-05	9.46755E-05	9.9838E-05	1.26708E-05	8.69917E-05	3.88676E-05
436	9.26294E-05	9.82762E-05	2.0441E-05	8.9453E-05	3.83454E-05	9.65798E-05	0.000101878	1.24162E-05	8.9453E-05	3.98179E-05
437	9.7884E-05	0.000103787	2.24217E-05	9.46512E-05	3.97029E-05	0.000102057	0.00010761	1.38457E-05	9.46512E-05	4.13411E-05
438	0.000105425	0.000111671	2.5581E-05	0.000100471	4.0147E-05	0.000109403	0.00011525	1.652E-05	0.000100471	4.17872E-05
439	0.00011022	0.000116515	2.97395E-05	0.000104836	0.000130665	0.00011419	0.000120099	2.0316E-05	0.000104836	0.000126021
440	0.000110033	0.000116178	3.14716E-05	0.000105723	0.000130393	0.000114251	0.00012006	2.19748E-05	0.000105723	0.000125658
441	0.000108982	0.000114999	3.20564E-05	0.0001036	0.000130718	0.000112777	0.000118444	2.27655E-05	0.0001036	0.000126014
442	0.000106845	0.000112651	3.26236E-05	9.99038E-05	0.000130602	0.00011	0.000115432	2.3705E-05	9.99038E-05	0.000125878
443	0.000104822	0.000110442	3.29887E-05	9.63343E-05	0.000130257	0.000107358	0.000112576	2.4461E-05	9.63343E-05	0.000125486
444	0.000102237	0.000107743	3.18574E-05	9.34785E-05	0.000115163	0.000104581	0.000109673	2.3686E-05	9.34785E-05	0.000111433
445	0.000100258	0.000105645	3.13841E-05	9.12325E-05	0.000114915	0.000102416	0.000107388	2.34441E-05	9.12325E-05	0.000111155
446	9.92632E-05	0.000104658	3.03007E-05	9.09258E-05	0.000114394	0.000101621	0.000106607	2.24183E-05	9.09258E-05	0.000110572
447	0.00010065	0.000106157	3.02484E-05	9.27302E-05	0.000128416	0.000103227	0.000108328	2.22075E-05	9.27302E-05	0.000123422

448	0.000107514	0.000113421	3.19964E-05	9.90892E-05	0.000127537	0.000110294	0.000115762	2.34431E-05	9.90892E-05	0.000122437
449	0.000118775	0.00012536	3.45999E-05	0.000109039	0.000126912	0.000121755	0.000127824	2.53449E-05	0.000109039	0.000121736
450	0.000132269	0.000139391	4.12253E-05	0.000118296	0.000126395	0.000134499	0.000141002	3.1215E-05	0.000118296	0.000121159
451	0.000143957	0.00015123	5.09774E-05	0.000123723	9.62812E-05	0.000144546	0.000151108	4.03119E-05	0.000123723	9.31493E-05
452	0.000145904	0.000152992	5.5289E-05	0.000122768	6.77133E-05	0.000145518	0.000151875	4.45403E-05	0.000122768	6.69243E-05
453	0.000143307	0.000150252	5.45291E-05	0.000118086	5.22085E-05	0.000142135	0.000148308	4.40891E-05	0.000118086	5.24216E-05
454	0.000135673	0.000142413	4.95131E-05	0.000111372	3.83418E-05	0.000134518	0.000140494	3.96061E-05	0.000111372	3.98002E-05
455	0.000122696	0.000128995	4.21706E-05	0.00010335	3.78106E-05	0.000122579	0.000128222	3.29363E-05	0.00010335	3.92072E-05
456	0.000110875	0.000116915	3.36663E-05	9.72489E-05	3.77028E-05	0.000112162	0.000117646	2.5038E-05	9.72489E-05	3.90889E-05
457	9.61831E-05	0.00010174	2.51484E-05	8.84273E-05	3.76419E-05	9.87338E-05	0.000103863	1.72545E-05	8.84273E-05	3.90236E-05
458	9.24185E-05	9.79518E-05	2.16819E-05	8.69303E-05	3.73836E-05	9.55905E-05	0.000100728	1.39903E-05	8.69303E-05	3.87331E-05
459	9.11068E-05	9.66372E-05	2.04068E-05	8.69917E-05	3.75016E-05	9.46755E-05	9.9838E-05	1.26708E-05	8.69917E-05	3.88676E-05
460	9.26294E-05	9.82762E-05	2.0441E-05	8.9453E-05	3.83454E-05	9.65798E-05	0.000101878	1.24162E-05	8.9453E-05	3.98179E-05
461	9.7884E-05	0.000103787	2.24217E-05	9.46512E-05	3.97029E-05	0.000102057	0.00010761	1.38457E-05	9.46512E-05	4.13411E-05
462	0.000105425	0.000111671	2.5581E-05	0.000100471	4.0147E-05	0.000109403	0.00011525	1.652E-05	0.000100471	4.17872E-05
463	0.00011022	0.000116515	2.97395E-05	0.000104836	0.000130665	0.00011419	0.000120099	2.0316E-05	0.000104836	0.000126021
464	0.000110033	0.000116178	3.14716E-05	0.000105723	0.000130393	0.000114251	0.00012006	2.19748E-05	0.000105723	0.000125658
465	0.000108982	0.000114999	3.20564E-05	0.0001036	0.000130718	0.000112777	0.000118444	2.27655E-05	0.0001036	0.000126014
466	0.000106845	0.000112651	3.26236E-05	9.99038E-05	0.000130602	0.00011	0.000115432	2.3705E-05	9.99038E-05	0.000125878
467	0.000104822	0.000110442	3.29887E-05	9.63343E-05	0.000130257	0.000107358	0.000112576	2.4461E-05	9.63343E-05	0.000125486
468	0.000102237	0.000107743	3.18574E-05	9.34785E-05	0.000115163	0.000104581	0.000109673	2.3686E-05	9.34785E-05	0.000111433
469	0.000100258	0.000105645	3.13841E-05	9.12325E-05	0.000114915	0.000102416	0.000107388	2.34441E-05	9.12325E-05	0.000111155
470	9.92632E-05	0.000104658	3.03007E-05	9.09258E-05	0.000114394	0.000101621	0.000106607	2.24183E-05	9.09258E-05	0.000110572
471	0.00010065	0.000106157	3.02484E-05	9.27302E-05	0.000128416	0.000103227	0.000108328	2.22075E-05	9.27302E-05	0.000123422
472	0.000107514	0.000113421	3.19964E-05	9.90892E-05	0.000127537	0.000110294	0.000115762	2.34431E-05	9.90892E-05	0.000122437
473	0.000118775	0.00012536	3.45999E-05	0.000109039	0.000126912	0.000121755	0.000127824	2.53449E-05	0.000109039	0.000121736
474	0.000132269	0.000139391	4.12253E-05	0.000118296	0.000126395	0.000134499	0.000141002	3.1215E-05	0.000118296	0.000121159
475	0.000143957	0.00015123	5.09774E-05	0.000123723	9.62812E-05	0.000144546	0.000151108	4.03119E-05	0.000123723	9.31493E-05
476	0.000145904	0.000152992	5.5289E-05	0.000122768	6.77133E-05	0.000145518	0.000151875	4.45403E-05	0.000122768	6.69243E-05
477	0.000143307	0.000150252	5.45291E-05	0.000118086	5.22085E-05	0.000142135	0.000148308	4.40891E-05	0.000118086	5.24216E-05
478	0.000135673	0.000142413	4.95131E-05	0.000111372	3.83418E-05	0.000134518	0.000140494	3.96061E-05	0.000111372	3.98002E-05
479	0.000122696	0.000128995	4.21706E-05	0.00010335	3.78106E-05	0.000122579	0.000128222	3.29363E-05	0.00010335	3.92072E-05
480	0.000110875	0.000116915	3.36663E-05	9.72489E-05	3.77028E-05	0.000112162	0.000117646	2.5038E-05	9.72489E-05	3.90889E-05
481	9.61831E-05	0.00010174	2.51484E-05	8.84273E-05	3.76419E-05	9.87338E-05	0.000103863	1.72545E-05	8.84273E-05	3.90236E-05
482	9.24185E-05	9.79518E-05	2.16819E-05	8.69303E-05	3.73836E-05	9.55905E-05	0.000100728	1.39903E-05	8.69303E-05	3.87331E-05
483	9.11068E-05	9.66372E-05	2.04068E-05	8.69917E-05	3.75016E-05	9.46755E-05	9.9838E-05	1.26708E-05	8.69917E-05	3.88676E-05
484	9.26294E-05	9.82762E-05	2.0441E-05	8.9453E-05	3.83454E-05	9.65798E-05	0.000101878	1.24162E-05	8.9453E-05	3.98179E-05
485	9.7884E-05	0.000103787	2.24217E-05	9.46512E-05	3.97029E-05	0.000102057	0.00010761	1.38457E-05	9.46512E-05	4.13411E-05
486	0.000105425	0.000111671	2.5581E-05	0.000100471	4.0147E-05	0.000109403	0.00011525	1.652E-05	0.000100471	4.17872E-05
487	0.00011022	0.000116515	2.97395E-05	0.000104836	0.000130665	0.00011419	0.000120099	2.0316E-05	0.000104836	0.000126021
488	0.000110033	0.000116178	3.14716E-05	0.000105723	0.000130393	0.000114251	0.00012006	2.19748E-05	0.000105723	0.000125658
489	0.000108982	0.000114999	3.20564E-05	0.0001036	0.000130718	0.000112777	0.000118444	2.27655E-05	0.0001036	0.000126014
490	0.000106845	0.000112651	3.26236E-05	9.99038E-05	0.000130602	0.00011	0.000115432	2.3705E-05	9.99038E-05	0.000125878
491	0.000104822	0.000110442	3.29887E-05	9.63343E-05	0.000130257	0.000107358	0.000112576	2.4461E-05	9.63343E-05	0.000125486
492	0.000102237	0.000107743	3.18574E-05	9.34785E-05	0.000115163	0.000104581	0.000109673	2.3686E-05	9.34785E-05	0.000111433
493	0.000100258	0.000105645	3.13841E-05	9.12325E-05	0.000114915	0.000102416	0.000107388	2.34441E-05	9.12325E-05	0.000111155
494	9.92632E-05	0.000104658	3.03007E-05	9.09258E-05	0.000114394	0.000101621	0.000106607	2.24183E-05	9.09258E-05	0.000110572
495	0.00010065	0.000106157	3.02484E-05	9.27302E-05	0.000128416	0.000103227	0.000108328	2.22075E-05	9.27302E-05	0.000123422
496	0.000107514	0.000113421	3.19964E-05	9.90892E-05	0.000127537	0.000110294	0.000115762	2.34431E-05	9.90892E-05	0.000122437
497	0.000118775	0.00012536	3.45999E-05	0.000109039	0.000126912	0.000121755	0.000127824	2.53449E-05	0.000109039	0.000121736
498	0.000132269	0.000139391	4.12253E-05	0.000118296	0.000126395	0.000134499	0.000141002	3.1215E-05	0.000118296	0.000121159
499	0.000143957	0.00015123	5.09774E-05	0.000123723	9.62812E-05	0.000144546	0.000151108	4.03119E-05	0.000123723	9.31493E-05
500	0.000145904	0.000152992	5.5289E-05	0.000122768	6.77133E-05	0.000145518	0.000151875	4.45403E-05	0.000122768	6.69243E-05
501	0.000143307	0.000150252	5.45291E-05	0.000118086	5.22085E-05	0.000142135	0.000148308	4.40891E-05	0.000118086	5.24216E-05
502	0.000135673	0.000142413	4.95131E-05	0.000111372	3.83418E-05	0.000134518	0.000140494	3.96061E-05	0.000111372	3.98002E-05
503	0.000122696	0.000128995	4.21706E-05	0.00010335	3.78106E-05	0.000122579	0.000128222	3.29363E-05	0.00010335	3.92072E-05
504	0.000110875	0.000116915	3.36663E-05	9.72489E-05	3.77028E-05	0.000112162	0.000117646	2.5038E-05	9.72489E-05	3.90889E-05
505	9.61831E-05	0.00010174	2.51484E-05	8.84273E-05	3.76419E-05	9.87338E-05	0.000103863	1.72545E-05	8.84273E-05	3.90236E-05
506	9.24185E-05	9.79518E-05	2.16819E-05	8.69303E-05	3.73836E-05	9.55905E-05	0.000100728	1.39903E-05	8.69303E-05	3.87331E-05
507	9.11068E-05	9.66372E-05	2.04068E-05	8.69917E-05	3.75016E-05	9.46755E-05	9.9838E-05	1.26708E-05	8.69917E-05	3.88676E-05
508	9.26294E-05	9.82762E-05	2.0441E-05	8.9453E-05	3.83454E-05	9.65798E-05	0.000101878	1.24162E-05	8.9453E-05	3.98179E-05
509	9.7884E-05	0.000103787	2.24217E-05	9.46512E-05	3.97029E-05	0.000102057	0.00010761	1.38457E-05	9.46512E-05	4.13411E-05
510	0.000105425	0.000111671	2.5581E-05	0.000100471	4.0147E-05	0.000109403	0.00011525	1.652E-05	0.000100471	4.17872E-05
511	0.00011022	0.000116515	2.97395E-05	0.000104836	0.000130665	0.00011419	0.000120099	2.0316E-05	0.000104836	0.000126021
512	0.000110033	0.000116178	3.14716E-05	0.000105723	0.000130393	0.000114251	0.00012006	2.19748E-05	0.000105723	0.000125658
513	0.000108982	0.000114999	3.20564E-05	0.0001036	0.000130718	0.000112777	0.000118444	2.27655E-05	0.0001036	0.000126014
514	0.000106845	0.000112651	3.26236E-05	9.99038E-05	0.000130602	0.00011	0.000115432	2.3705E-05	9.99038E-05	0.000125878
515	0.000104822	0.000110442	3.29887E-05	9.63343E-05	0.000130257	0.000107358	0.000112576	2.4461E-05	9.63343E-05	0.000125486
516	0.000102237	0.000107743	3.18574E-05	9.34785E-05	0.000115163	0.000104581	0.000109673	2.3686E-05	9.34785E-05	0.000111433
517	0.000100258	0.000105645	3.13841E-05	9.12325E-05	0.000114915	0.000102416	0.000107388	2.34441E-05	9.12325E-05	0.000111155
518	9.92632E-05	0.000104658	3.03007E-05	9.09258E-05	0.000114394	0.000101621	0.000106607	2.24183E-05	9.09258E-05	0.000110572
519	0.00010065	0.000106157	3.02484E-05	9.27302E-05	0.000128416	0.000103227	0.000108328	2.22075E-05	9.27302E-05	0.000123422
520	0.000107514	0.000113421	3.19964E-05	9.90892E-05	0.000127537	0.000110294	0.000115762	2.34431E-05	9.90892E-05	0.000122437
521	0.000118775	0.00012536	3.45999E-05	0.000109039	0.000126912	0.000121755	0.000127824	2.53449E-05	0.000109039	0.000121736
522	0.000132269	0.000139391	4.12253E-05	0.000118296	0.000126395	0.000134499	0.000141002	3.1215E-05	0.000118296	0.000121159
523	0.000143957	0.00015123	5.09774E-05	0.000123723	9.62812E-05	0.000144546	0.000151108	4.03119E-05	0.000123723	9.31493E-05

524	0.000145904	0.000152992	5.5289E-05	0.000122768	6.77133E-05	0.000145518	0.000151875	4.45403E-05	0.000122768	6.69243E-05
525	0.000143307	0.000150252	5.45291E-05	0.000118086	5.22085E-05	0.000142135	0.000148308	4.40891E-05	0.000118086	5.24216E-05
526	0.000135673	0.000142413	4.95131E-05	0.000111372	3.83418E-05	0.000134518	0.000140494	3.96061E-05	0.000111372	3.98002E-05
527	0.000122696	0.000128995	4.21706E-05	0.00010335	3.78106E-05	0.000122579	0.000128222	3.29363E-05	0.00010335	3.92072E-05
528	0.000110875	0.000116915	3.36663E-05	9.72489E-05	3.77028E-05	0.000112162	0.000117646	2.5038E-05	9.72489E-05	3.90889E-05
529	9.57102E-05	0.000101237	2.50552E-05	8.7835E-05	3.72343E-05	9.81988E-05	0.000103296	1.72256E-05	8.7835E-05	3.85631E-05
530	9.29303E-05	9.84965E-05	2.17731E-05	8.74921E-05	3.75551E-05	9.6146E-05	0.000101315	1.403E-05	8.74921E-05	3.89264E-05
531	9.15634E-05	9.71237E-05	2.0482E-05	8.74418E-05	3.76319E-05	9.51559E-05	0.000100346	1.27118E-05	8.74418E-05	3.90143E-05
532	9.32167E-05	9.89015E-05	2.05435E-05	9.00797E-05	3.853E-05	9.7212E-05	0.000102547	1.24637E-05	9.00797E-05	4.0026E-05
533	9.85737E-05	0.000104521	2.25405E-05	9.53748E-05	3.99515E-05	0.000102795	0.000108391	1.39029E-05	9.53748E-05	4.16209E-05
534	0.00010607	0.000112357	2.56928E-05	0.000101152	4.04258E-05	0.000110095	0.000115982	1.65729E-05	0.000101152	4.21008E-05
535	0.000112546	0.00011901	2.99151E-05	0.000105769	0.000131037	0.000116221	0.000122252	2.04209E-05	0.000105769	0.000126439
536	0.000110819	0.000117015	3.16152E-05	0.000106614	0.000130845	0.000115113	0.000120973	2.2033E-05	0.000106614	0.000126166
537	0.000109823	0.000115894	3.22065E-05	0.000104524	0.000131204	0.00011369	0.00011941	2.28307E-05	0.000104524	0.000126559
538	0.000107514	0.000113362	3.27539E-05	0.000100728	0.000131046	0.000110752	0.000116229	2.37472E-05	0.000100728	0.000126375
539	0.000105359	0.000111011	3.31019E-05	9.70669E-05	0.00013077	0.000107983	0.000113239	2.44873E-05	9.70669E-05	0.00012606
540	0.000102791	0.000108331	3.19715E-05	9.42121E-05	0.000115636	0.000105219	0.00011035	2.37155E-05	9.42121E-05	0.000111962
541	0.000100821	0.000106243	3.15039E-05	9.20087E-05	0.000115381	0.000103074	0.000108086	2.34708E-05	9.20087E-05	0.000111675
542	9.97711E-05	0.000105197	3.0408E-05	9.16206E-05	0.000114849	0.000102213	0.000107235	2.2443E-05	9.16206E-05	0.000111081
543	0.000101219	0.000106761	3.03671E-05	9.34959E-05	0.000128843	0.000103887	0.000109027	2.22365E-05	9.34959E-05	0.0001239
544	0.000108167	0.000114115	3.21238E-05	9.98956E-05	0.000127883	0.000111029	0.00011654	2.34842E-05	9.98956E-05	0.000122823
545	0.00011964	0.00012628	3.47508E-05	0.000109962	0.000127202	0.000122685	0.000128809	2.54149E-05	0.000109962	0.00012206
546	0.000133304	0.000140493	4.14023E-05	0.000119371	0.00012667	0.000135604	0.000142171	3.13019E-05	0.000119371	0.000121466
547	0.00014507	0.000152416	5.11674E-05	0.000124874	9.65448E-05	0.000145734	0.000152364	4.0406E-05	0.000124874	9.34449E-05
548	0.000146999	0.000154158	5.54733E-05	0.00012388	6.7969E-05	0.00014668	0.000153104	4.46351E-05	0.00012388	6.72113E-05
549	0.000142578	0.000149458	5.46235E-05	0.000118786	5.24587E-05	0.000141801	0.00014795	4.41211E-05	0.000118786	5.27026E-05
550	0.000136364	0.000143148	4.96374E-05	0.00011214	3.85704E-05	0.000135271	0.00014129	3.96586E-05	0.00011214	4.00575E-05
551	0.000123325	0.000129664	4.22846E-05	0.000104056	3.79868E-05	0.000123266	0.000128949	3.29835E-05	0.000104056	3.94061E-05
552	0.000111373	0.000117444	3.37537E-05	9.77837E-05	3.77968E-05	0.000112698	0.000118214	2.50778E-05	9.77837E-05	3.91952E-05
553	9.57102E-05	0.000101237	2.50552E-05	8.7835E-05	3.72343E-05	9.81988E-05	0.000103296	1.72256E-05	8.7835E-05	3.85631E-05
554	9.29303E-05	9.84965E-05	2.17731E-05	8.74921E-05	3.75551E-05	9.6146E-05	0.000101315	1.403E-05	8.74921E-05	3.89264E-05
555	9.15634E-05	9.71237E-05	2.0482E-05	8.74418E-05	3.76319E-05	9.51559E-05	0.000100346	1.27118E-05	8.74418E-05	3.90143E-05
556	9.32167E-05	9.89015E-05	2.05435E-05	9.00797E-05	3.853E-05	9.7212E-05	0.000102547	1.24637E-05	9.00797E-05	4.0026E-05
557	9.85737E-05	0.000104521	2.25405E-05	9.53748E-05	3.99515E-05	0.000102795	0.000108391	1.39029E-05	9.53748E-05	4.16209E-05
558	0.00010607	0.000112357	2.56928E-05	0.000101152	4.04258E-05	0.000110095	0.000115982	1.65729E-05	0.000101152	4.21008E-05
559	0.000112546	0.00011901	2.99151E-05	0.000105769	0.000131037	0.000116221	0.000122252	2.04209E-05	0.000105769	0.000126439
560	0.000110819	0.000117015	3.16152E-05	0.000106614	0.000130845	0.000115113	0.000120973	2.2033E-05	0.000106614	0.000126166
561	0.000109823	0.000115894	3.22065E-05	0.000104524	0.000131204	0.00011369	0.00011941	2.28307E-05	0.000104524	0.000126559
562	0.000107514	0.000113362	3.27539E-05	0.000100728	0.000131046	0.000110752	0.000116229	2.37472E-05	0.000100728	0.000126375
563	0.000105359	0.000111011	3.31019E-05	9.70669E-05	0.00013077	0.000107983	0.000113239	2.44873E-05	9.70669E-05	0.00012606
564	0.000102791	0.000108331	3.19715E-05	9.42121E-05	0.000115636	0.000105219	0.00011035	2.37155E-05	9.42121E-05	0.000111962
565	0.000100821	0.000106243	3.15039E-05	9.20087E-05	0.000115381	0.000103074	0.000108086	2.34708E-05	9.20087E-05	0.000111675
566	9.97711E-05	0.000105197	3.0408E-05	9.16206E-05	0.000114849	0.000102213	0.000107235	2.2443E-05	9.16206E-05	0.000111081
567	0.000101219	0.000106761	3.03671E-05	9.34959E-05	0.000128843	0.000103887	0.000109027	2.22365E-05	9.34959E-05	0.0001239
568	0.000108167	0.000114115	3.21238E-05	9.98956E-05	0.000127883	0.000111029	0.00011654	2.34842E-05	9.98956E-05	0.000122823
569	0.00011964	0.00012628	3.47508E-05	0.000109962	0.000127202	0.000122685	0.000128809	2.54149E-05	0.000109962	0.00012206
570	0.000133304	0.000140493	4.14023E-05	0.000119371	0.00012667	0.000135604	0.000142171	3.13019E-05	0.000119371	0.000121466
571	0.00014507	0.000152416	5.11674E-05	0.000124874	9.65448E-05	0.000145734	0.000152364	4.0406E-05	0.000124874	9.34449E-05
572	0.000146999	0.000154158	5.54733E-05	0.00012388	6.7969E-05	0.00014668	0.000153104	4.46351E-05	0.00012388	6.72113E-05
573	0.000142578	0.000149458	5.46235E-05	0.000118786	5.24587E-05	0.000141801	0.00014795	4.41211E-05	0.000118786	5.27026E-05
574	0.000136364	0.000143148	4.96374E-05	0.00011214	3.85704E-05	0.000135271	0.00014129	3.96586E-05	0.00011214	4.00575E-05
575	0.000123325	0.000129664	4.22846E-05	0.000104056	3.79868E-05	0.000123266	0.000128949	3.29835E-05	0.000104056	3.94061E-05
576	0.000111373	0.000117444	3.37537E-05	9.77837E-05	3.77968E-05	0.000112698	0.000118214	2.50778E-05	9.77837E-05	3.91952E-05
577	9.61831E-05	0.00010174	2.51484E-05	8.84273E-05	3.76419E-05	9.87338E-05	0.000103863	1.72545E-05	8.84273E-05	3.90236E-05
578	9.24185E-05	9.79518E-05	2.16819E-05	8.69303E-05	3.73836E-05	9.55905E-05	0.000100728	1.39903E-05	8.69303E-05	3.87331E-05
579	9.11068E-05	9.66372E-05	2.04068E-05	8.69917E-05	3.75016E-05	9.46755E-05	9.9838E-05	1.26708E-05	8.69917E-05	3.88676E-05
580	9.26294E-05	9.82762E-05	2.0441E-05	8.9453E-05	3.83454E-05	9.65798E-05	0.000101878	1.24162E-05	8.9453E-05	3.98179E-05
581	9.7884E-05	0.000103787	2.24217E-05	9.46512E-05	3.97029E-05	0.000102057	0.00010761	1.38457E-05	9.46512E-05	4.13411E-05
582	0.000105425	0.000111671	2.5581E-05	0.000100471	4.0147E-05	0.000109403	0.00011525	1.652E-05	0.000100471	4.17872E-05
583	0.00011022	0.000116515	2.97395E-05	0.000104836	0.000130665	0.00011419	0.000120099	2.0316E-05	0.000104836	0.000126021
584	0.000110033	0.000116178	3.14716E-05	0.000105723	0.000130393	0.000114251	0.00012006	2.19748E-05	0.000105723	0.000125658
585	0.000108982	0.000114999	3.20564E-05	0.0001036	0.000130718	0.000112777	0.000118444	2.27655E-05	0.0001036	0.000126014
586	0.000106845	0.000112651	3.26236E-05	9.99038E-05	0.000130602	0.00011	0.000115432	2.3705E-05	9.99038E-05	0.000125878
587	0.000104822	0.000110442	3.29887E-05	9.63343E-05	0.000130257	0.000107358	0.000112576	2.4461E-05	9.63343E-05	0.000125486
588	0.000102237	0.000107743	3.18574E-05	9.34785E-05	0.000115163	0.000104581	0.000109673	2.3686E-05	9.34785E-05	0.000111433
589	0.000100258	0.000105645	3.13841E-05	9.12325E-05	0.000114915	0.000102416	0.000107388	2.34441E-05	9.12325E-05	0.000111155
590	9.92632E-05	0.000104658	3.03007E-05	9.09258E-05	0.000114394	0.000101621	0.000106607	2.24183E-05	9.09258E-05	0.000110572
591	0.00010065	0.000106157	3.02484E-05	9.27302E-05	0.000128416	0.000103227	0.000108328	2.22075E-05	9.27302E-05	0.000123422
592	0.000107514	0.000113421	3.19964E-05	9.90892E-05	0.000127537	0.000110294	0.000115762	2.34431E-05	9.90892E-05	0.000122437
593	0.000118775	0.00012536	3.45999E-05	0.000109039	0.000126912	0.000121755	0.000127824	2.53449E-05	0.000109039	0.000121736
594	0.000132269	0.000139391	4.12253E-05	0.000118296	0.000126395	0.000134499	0.000141002	3.1215E-05	0.000118296	0.000121159
595	0.000143957	0.00015123	5.09774E-05	0.000123723	9.62812E-05	0.000144546	0.000151108	4.03119E-05	0.000123723	9.31493E-05
596	0.000145904	0.000152992	5.5289E-05	0.000122768	6.77133E-05	0.000145518	0.000151875	4.45403E-05	0.000122768	6.69243E-05
597	0.000143307	0.000150252	5.45291E-05	0.000118086	5.22085E-05	0.000142135	0.000148308	4.40891E-05	0.000118086	5.24216E-05
598	0.000135673	0.000142413	4.95131E-05	0.000111372	3.83418E-05	0.000134518	0.000140494	3.96061E-05	0.000111372	3.98002E-05
599	0.000122696	0.000128995	4.21706E-05	0.00010335	3.78106E-05	0.000122579	0.000128222	3.29363E-05	0.00010335	3.92072E-05

600	0.000110875	0.000116915	3.36663E-05	9.72489E-05	3.77028E-05	0.000112162	0.000117646	2.5038E-05	9.72489E-05	3.90889E-05
601	9.61831E-05	0.00010174	2.51484E-05	8.84273E-05	3.76419E-05	9.87338E-05	0.000103863	1.72545E-05	8.84273E-05	3.90236E-05
602	9.24185E-05	9.79518E-05	2.16819E-05	8.69303E-05	3.73836E-05	9.55905E-05	0.000100728	1.39903E-05	8.69303E-05	3.87331E-05
603	9.11068E-05	9.66372E-05	2.04068E-05	8.69917E-05	3.75016E-05	9.46755E-05	9.9838E-05	1.26708E-05	8.69917E-05	3.88676E-05
604	9.26294E-05	9.82762E-05	2.0441E-05	8.9453E-05	3.83454E-05	9.65798E-05	0.000101878	1.24162E-05	8.9453E-05	3.98179E-05
605	9.7884E-05	0.000103787	2.24217E-05	9.46512E-05	3.97029E-05	0.000102057	0.00010761	1.38457E-05	9.46512E-05	4.13411E-05
606	0.000105425	0.000111671	2.5581E-05	0.000100471	4.0147E-05	0.000109403	0.00011525	1.652E-05	0.000100471	4.17872E-05
607	0.00011022	0.000116515	2.97395E-05	0.000104836	0.000130665	0.00011419	0.000120099	2.0316E-05	0.000104836	0.000126021
608	0.000110033	0.000116178	3.14716E-05	0.000105723	0.000130393	0.000114251	0.00012006	2.19748E-05	0.000105723	0.000125658
609	0.000108982	0.000114999	3.20564E-05	0.0001036	0.000130718	0.000112777	0.000118444	2.27655E-05	0.0001036	0.000126014
610	0.000106845	0.000112651	3.26236E-05	9.99038E-05	0.000130602	0.00011	0.000115432	2.3705E-05	9.99038E-05	0.000125878
611	0.000104822	0.000110442	3.29887E-05	9.63343E-05	0.000130257	0.000107358	0.000112576	2.4461E-05	9.63343E-05	0.000125486
612	0.000102237	0.000107743	3.18574E-05	9.34785E-05	0.000115163	0.000104581	0.000109673	2.3686E-05	9.34785E-05	0.000111433
613	0.000100258	0.000105645	3.13841E-05	9.12325E-05	0.000114915	0.000102416	0.000107388	2.34441E-05	9.12325E-05	0.000111155
614	9.92632E-05	0.000104658	3.03007E-05	9.09258E-05	0.000114394	0.000101621	0.000106607	2.24183E-05	9.09258E-05	0.000110572
615	0.00010065	0.000106157	3.02484E-05	9.27302E-05	0.000128416	0.000103227	0.000108328	2.22075E-05	9.27302E-05	0.000123422
616	0.000107514	0.000113421	3.19964E-05	9.90892E-05	0.000127537	0.000110294	0.000115762	2.34431E-05	9.90892E-05	0.000122437
617	0.000118775	0.00012536	3.45999E-05	0.000109039	0.000126912	0.000121755	0.000127824	2.53449E-05	0.000109039	0.000121736
618	0.000132269	0.000139391	4.12253E-05	0.000118296	0.000126395	0.000134499	0.000141002	3.1215E-05	0.000118296	0.000121159
619	0.000143957	0.00015123	5.09774E-05	0.000123723	9.62812E-05	0.000144546	0.000151108	4.03119E-05	0.000123723	9.31493E-05
620	0.000145904	0.000152992	5.5289E-05	0.000122768	6.77133E-05	0.000145518	0.000151875	4.45403E-05	0.000122768	6.69243E-05
621	0.000143307	0.000150252	5.45291E-05	0.000118086	5.22085E-05	0.000142135	0.000148308	4.40891E-05	0.000118086	5.24216E-05
622	0.000135673	0.000142413	4.95131E-05	0.000111372	3.83418E-05	0.000134518	0.000140494	3.96061E-05	0.000111372	3.98002E-05
623	0.000122696	0.000128995	4.21706E-05	0.00010335	3.78106E-05	0.000122579	0.000128222	3.29363E-05	0.00010335	3.92072E-05
624	0.000110875	0.000116915	3.36663E-05	9.72489E-05	3.77028E-05	0.000112162	0.000117646	2.5038E-05	9.72489E-05	3.90889E-05
625	9.61831E-05	0.00010174	2.51484E-05	8.84273E-05	3.76419E-05	9.87338E-05	0.000103863	1.72545E-05	8.84273E-05	3.90236E-05
626	9.24185E-05	9.79518E-05	2.16819E-05	8.69303E-05	3.73836E-05	9.55905E-05	0.000100728	1.39903E-05	8.69303E-05	3.87331E-05
627	9.11068E-05	9.66372E-05	2.04068E-05	8.69917E-05	3.75016E-05	9.46755E-05	9.9838E-05	1.26708E-05	8.69917E-05	3.88676E-05
628	9.26294E-05	9.82762E-05	2.0441E-05	8.9453E-05	3.83454E-05	9.65798E-05	0.000101878	1.24162E-05	8.9453E-05	3.98179E-05
629	9.7884E-05	0.000103787	2.24217E-05	9.46512E-05	3.97029E-05	0.000102057	0.00010761	1.38457E-05	9.46512E-05	4.13411E-05
630	0.000105425	0.000111671	2.5581E-05	0.000100471	4.0147E-05	0.000109403	0.00011525	1.652E-05	0.000100471	4.17872E-05
631	0.00011022	0.000116515	2.97395E-05	0.000104836	0.000130665	0.00011419	0.000120099	2.0316E-05	0.000104836	0.000126021
632	0.000110033	0.000116178	3.14716E-05	0.000105723	0.000130393	0.000114251	0.00012006	2.19748E-05	0.000105723	0.000125658
633	0.000108982	0.000114999	3.20564E-05	0.0001036	0.000130718	0.000112777	0.000118444	2.27655E-05	0.0001036	0.000126014
634	0.000106845	0.000112651	3.26236E-05	9.99038E-05	0.000130602	0.00011	0.000115432	2.3705E-05	9.99038E-05	0.000125878
635	0.000104822	0.000110442	3.29887E-05	9.63343E-05	0.000130257	0.000107358	0.000112576	2.4461E-05	9.63343E-05	0.000125486
636	0.000102237	0.000107743	3.18574E-05	9.34785E-05	0.000115163	0.000104581	0.000109673	2.3686E-05	9.34785E-05	0.000111433
637	0.000100258	0.000105645	3.13841E-05	9.12325E-05	0.000114915	0.000102416	0.000107388	2.34441E-05	9.12325E-05	0.000111155
638	9.92632E-05	0.000104658	3.03007E-05	9.09258E-05	0.000114394	0.000101621	0.000106607	2.24183E-05	9.09258E-05	0.000110572
639	0.00010065	0.000106157	3.02484E-05	9.27302E-05	0.000128416	0.000103227	0.000108328	2.22075E-05	9.27302E-05	0.000123422
640	0.000107514	0.000113421	3.19964E-05	9.90892E-05	0.000127537	0.000110294	0.000115762	2.34431E-05	9.90892E-05	0.000122437
641	0.000118775	0.00012536	3.45999E-05	0.000109039	0.000126912	0.000121755	0.000127824	2.53449E-05	0.000109039	0.000121736
642	0.000132269	0.000139391	4.12253E-05	0.000118296	0.000126395	0.000134499	0.000141002	3.1215E-05	0.000118296	0.000121159
643	0.000143957	0.00015123	5.09774E-05	0.000123723	9.62812E-05	0.000144546	0.000151108	4.03119E-05	0.000123723	9.31493E-05
644	0.000145904	0.000152992	5.5289E-05	0.000122768	6.77133E-05	0.000145518	0.000151875	4.45403E-05	0.000122768	6.69243E-05
645	0.000143307	0.000150252	5.45291E-05	0.000118086	5.22085E-05	0.000142135	0.000148308	4.40891E-05	0.000118086	5.24216E-05
646	0.000135673	0.000142413	4.95131E-05	0.000111372	3.83418E-05	0.000134518	0.000140494	3.96061E-05	0.000111372	3.98002E-05
647	0.000122696	0.000128995	4.21706E-05	0.00010335	3.78106E-05	0.000122579	0.000128222	3.29363E-05	0.00010335	3.92072E-05
648	0.000110875	0.000116915	3.36663E-05	9.72489E-05	3.77028E-05	0.000112162	0.000117646	2.5038E-05	9.72489E-05	3.90889E-05
649	9.61831E-05	0.00010174	2.51484E-05	8.84273E-05	3.76419E-05	9.87338E-05	0.000103863	1.72545E-05	8.84273E-05	3.90236E-05
650	9.24185E-05	9.79518E-05	2.16819E-05	8.69303E-05	3.73836E-05	9.55905E-05	0.000100728	1.39903E-05	8.69303E-05	3.87331E-05
651	9.11068E-05	9.66372E-05	2.04068E-05	8.69917E-05	3.75016E-05	9.46755E-05	9.9838E-05	1.26708E-05	8.69917E-05	3.88676E-05
652	9.26294E-05	9.82762E-05	2.0441E-05	8.9453E-05	3.83454E-05	9.65798E-05	0.000101878	1.24162E-05	8.9453E-05	3.98179E-05
653	9.7884E-05	0.000103787	2.24217E-05	9.46512E-05	3.97029E-05	0.000102057	0.00010761	1.38457E-05	9.46512E-05	4.13411E-05
654	0.000105425	0.000111671	2.5581E-05	0.000100471	4.0147E-05	0.000109403	0.00011525	1.652E-05	0.000100471	4.17872E-05
655	0.00011022	0.000116515	2.97395E-05	0.000104836	0.000130665	0.00011419	0.000120099	2.0316E-05	0.000104836	0.000126021
656	0.000110033	0.000116178	3.14716E-05	0.000105723	0.000130393	0.000114251	0.00012006	2.19748E-05	0.000105723	0.000125658
657	0.000108982	0.000114999	3.20564E-05	0.0001036	0.000130718	0.000112777	0.000118444	2.27655E-05	0.0001036	0.000126014
658	0.000106845	0.000112651	3.26236E-05	9.99038E-05	0.000130602	0.00011	0.000115432	2.3705E-05	9.99038E-05	0.000125878
659	0.000104822	0.000110442	3.29887E-05	9.63343E-05	0.000130257	0.000107358	0.000112576	2.4461E-05	9.63343E-05	0.000125486
660	0.000102237	0.000107743	3.18574E-05	9.34785E-05	0.000115163	0.000104581	0.000109673	2.3686E-05	9.34785E-05	0.000111433
661	0.000100258	0.000105645	3.13841E-05	9.12325E-05	0.000114915	0.000102416	0.000107388	2.34441E-05	9.12325E-05	0.000111155
662	9.92632E-05	0.000104658	3.03007E-05	9.09258E-05	0.000114394	0.000101621	0.000106607	2.24183E-05	9.09258E-05	0.000110572
663	0.00010065	0.000106157	3.02484E-05	9.27302E-05	0.000128416	0.000103227	0.000108328	2.22075E-05	9.27302E-05	0.000123422
664	0.000107514	0.000113421	3.19964E-05	9.90892E-05	0.000127537	0.000110294	0.000115762	2.34431E-05	9.90892E-05	0.000122437
665	0.000118775	0.00012536	3.45999E-05	0.000109039	0.000126912	0.000121755	0.000127824	2.53449E-05	0.000109039	0.000121736
666	0.000132269	0.000139391	4.12253E-05	0.000118296	0.000126395	0.000134499	0.000141002	3.1215E-05	0.000118296	0.000121159
667	0.000143957	0.00015123	5.09774E-05	0.000123723	9.62812E-05	0.000144546	0.000151108	4.03119E-05	0.000123723	9.31493E-05
668	0.000145904	0.000152992	5.5289E-05	0.000122768	6.77133E-05	0.000145518	0.000151875	4.45403E-05	0.000122768	6.69243E-05
669	0.000143307	0.000150252	5.45291E-05	0.000118086	5.22085E-05	0.000142135	0.000148308	4.40891E-05	0.000118086	5.24216E-05
670	0.000135673	0.000142413	4.95131E-05	0.000111372	3.83418E-05	0.000134518	0.000140494	3.96061E-05	0.000111372	3.98002E-05
671	0.000122696	0.000128995	4.21706E-05	0.00010335	3.78106E-05	0.000122579	0.000128222	3.29363E-05	0.00010335	3.92072E-05
672	0.000110875	0.000116915	3.36663E-05	9.72489E-05	3.77028E-05	0.000112162	0.000117646	2.5038E-05	9.72489E-05	3.90889E-05
673	9.61831E-05	0.00010174	2.51484E-05	8.84273E-05	3.76419E-05	9.87338E-05	0.000103863	1.72545E-05	8.84273E-05	3.90236E-05
674	9.24185E-05	9.79518E-05	2.16819E-05	8.69303E-05	3.73836E-05	9.55905E-05	0.000100728	1.39903E-05	8.69303E-05	3.87331E-05
675	9.11068E-05	9.66372E-05	2.04068E-05	8.69917E-05	3.75016E-05	9.46755E-05	9.9838E-05	1.26708E-05	8.69917E-05	3.88676E-05

676	9.26294E-05	9.82762E-05	2.0441E-05	8.9453E-05	3.83454E-05	9.65798E-05	0.000101878	1.24162E-05	8.9453E-05	3.98179E-05
677	9.7884E-05	0.000103787	2.24217E-05	9.46512E-05	3.97029E-05	0.000102057	0.00010761	1.38457E-05	9.46512E-05	4.13411E-05
678	0.000105425	0.000111671	2.5581E-05	0.000100471	4.0147E-05	0.000109403	0.00011525	1.652E-05	0.000100471	4.17872E-05
679	0.00011022	0.000116515	2.97395E-05	0.000104836	0.000130665	0.00011419	0.000120099	2.0316E-05	0.000104836	0.000126021
680	0.000110033	0.000116178	3.14716E-05	0.000105723	0.000130393	0.000114251	0.00012006	2.19748E-05	0.000105723	0.000125658
681	0.000108982	0.000114999	3.20564E-05	0.0001036	0.000130718	0.000112777	0.000118444	2.27655E-05	0.0001036	0.000126014
682	0.000106845	0.000112651	3.26236E-05	9.99038E-05	0.000130602	0.00011	0.000115432	2.3705E-05	9.99038E-05	0.000125878
683	0.000104822	0.000110442	3.29887E-05	9.63343E-05	0.000130257	0.000107358	0.000112576	2.4461E-05	9.63343E-05	0.000125486
684	0.000102237	0.000107743	3.18574E-05	9.34785E-05	0.000115163	0.000104581	0.000109673	2.3686E-05	9.34785E-05	0.000111433
685	0.000100258	0.000105645	3.13841E-05	9.12325E-05	0.000114915	0.000102416	0.000107388	2.34441E-05	9.12325E-05	0.000111155
686	9.92632E-05	0.000104658	3.03007E-05	9.09258E-05	0.000114394	0.000101621	0.000106607	2.24183E-05	9.09258E-05	0.000110572
687	0.00010065	0.000106157	3.02484E-05	9.27302E-05	0.000128416	0.000103227	0.000108328	2.22075E-05	9.27302E-05	0.000123422
688	0.000107514	0.000113421	3.19964E-05	9.90892E-05	0.000127537	0.000110294	0.000115762	2.34431E-05	9.90892E-05	0.000122437
689	0.000118775	0.00012536	3.45999E-05	0.000109039	0.000126912	0.000121755	0.000127824	2.53449E-05	0.000109039	0.000121736
690	0.000132269	0.000139391	4.12253E-05	0.000118296	0.000126395	0.000134499	0.000141002	3.1215E-05	0.000118296	0.000121159
691	0.000143957	0.00015123	5.09774E-05	0.000123723	9.62812E-05	0.000144546	0.000151108	4.03119E-05	0.000123723	9.31493E-05
692	0.000145904	0.000152992	5.5289E-05	0.000122768	6.77133E-05	0.000145518	0.000151875	4.45403E-05	0.000122768	6.69243E-05
693	0.000143307	0.000150252	5.45291E-05	0.000118086	5.22085E-05	0.000142135	0.000148308	4.40891E-05	0.000118086	5.24216E-05
694	0.000135673	0.000142413	4.95131E-05	0.000111372	3.83418E-05	0.000134518	0.000140494	3.96061E-05	0.000111372	3.98002E-05
695	0.000122696	0.000128995	4.21706E-05	0.00010335	3.78106E-05	0.000122579	0.000128222	3.29363E-05	0.00010335	3.92072E-05
696	0.000110875	0.000116915	3.36663E-05	9.72489E-05	3.77028E-05	0.000112162	0.000117646	2.5038E-05	9.72489E-05	3.90889E-05
697	9.57102E-05	0.000101237	2.50552E-05	8.7835E-05	3.72343E-05	9.81988E-05	0.000103296	1.72256E-05	8.7835E-05	3.85631E-05
698	9.29303E-05	9.84965E-05	2.17731E-05	8.74921E-05	3.75551E-05	9.6146E-05	0.000101315	1.403E-05	8.74921E-05	3.89264E-05
699	9.15634E-05	9.71237E-05	2.0482E-05	8.74418E-05	3.76319E-05	9.51559E-05	0.000100346	1.27118E-05	8.74418E-05	3.90143E-05
700	9.32167E-05	9.89015E-05	2.05435E-05	9.00797E-05	3.853E-05	9.7212E-05	0.000102547	1.24637E-05	9.00797E-05	4.0026E-05
701	9.85737E-05	0.000104521	2.25405E-05	9.53748E-05	3.99515E-05	0.000102795	0.000108391	1.39029E-05	9.53748E-05	4.16209E-05
702	0.00010607	0.000112357	2.56928E-05	0.000101152	4.04258E-05	0.000110095	0.000115982	1.65729E-05	0.000101152	4.21008E-05
703	0.000112546	0.00011901	2.99151E-05	0.000105769	0.000131037	0.000116221	0.000122252	2.04209E-05	0.000105769	0.000126439
704	0.000110819	0.000117015	3.16152E-05	0.000106614	0.000130845	0.000115113	0.000120973	2.2033E-05	0.000106614	0.000126166
705	0.000109823	0.000115894	3.22065E-05	0.000104524	0.000131204	0.00011369	0.00011941	2.28307E-05	0.000104524	0.000126559
706	0.000107514	0.000113362	3.27539E-05	0.000100728	0.000131046	0.000110752	0.000116229	2.37472E-05	0.000100728	0.000126375
707	0.000105359	0.000111011	3.31019E-05	9.70669E-05	0.00013077	0.000107983	0.000113239	2.44873E-05	9.70669E-05	0.00012606
708	0.000102791	0.000108331	3.19715E-05	9.42121E-05	0.000115636	0.000105219	0.00011035	2.37155E-05	9.42121E-05	0.000111962
709	0.000100821	0.000106243	3.15039E-05	9.20087E-05	0.000115381	0.000103074	0.000108086	2.34708E-05	9.20087E-05	0.000111675
710	9.97711E-05	0.000105197	3.0408E-05	9.16206E-05	0.000114849	0.000102213	0.000107235	2.2443E-05	9.16206E-05	0.000111081
711	0.000101219	0.000106761	3.03671E-05	9.34959E-05	0.000128843	0.000103887	0.000109027	2.22365E-05	9.34959E-05	0.0001239
712	0.000108167	0.000114115	3.21238E-05	9.98956E-05	0.000127883	0.000111029	0.00011654	2.34842E-05	9.98956E-05	0.000122823
713	0.00011964	0.00012628	3.47508E-05	0.000109962	0.000127202	0.000122685	0.000128809	2.54149E-05	0.000109962	0.00012206
714	0.000133304	0.000140493	4.14023E-05	0.000119371	0.00012667	0.000135604	0.000142171	3.13019E-05	0.000119371	0.000121466
715	0.00014507	0.000152416	5.11674E-05	0.000124874	9.65448E-05	0.000145734	0.000152364	4.0406E-05	0.000124874	9.34449E-05
716	0.000146999	0.000154158	5.54733E-05	0.00012388	6.7969E-05	0.00014668	0.000153104	4.46351E-05	0.00012388	6.72113E-05
717	0.000142578	0.000149458	5.46235E-05	0.000118786	5.24587E-05	0.000141801	0.00014795	4.41211E-05	0.000118786	5.27026E-05
718	0.000136364	0.000143148	4.96374E-05	0.00011214	3.85704E-05	0.000135271	0.00014129	3.96586E-05	0.00011214	4.00575E-05
719	0.000123325	0.000129664	4.22846E-05	0.000104056	3.79868E-05	0.000123266	0.000128949	3.29835E-05	0.000104056	3.94061E-05
720	0.000111373	0.000117444	3.37537E-05	9.77837E-05	3.77968E-05	0.000112698	0.000118214	2.50778E-05	9.77837E-05	3.91952E-05
721	9.57102E-05	0.000101237	2.50552E-05	8.7835E-05	3.72343E-05	9.81988E-05	0.000103296	1.72256E-05	8.7835E-05	3.85631E-05
722	9.29303E-05	9.84965E-05	2.17731E-05	8.74921E-05	3.75551E-05	9.6146E-05	0.000101315	1.403E-05	8.74921E-05	3.89264E-05
723	9.15634E-05	9.71237E-05	2.0482E-05	8.74418E-05	3.76319E-05	9.51559E-05	0.000100346	1.27118E-05	8.74418E-05	3.90143E-05
724	9.32167E-05	9.89015E-05	2.05435E-05	9.00797E-05	3.853E-05	9.7212E-05	0.000102547	1.24637E-05	9.00797E-05	4.0026E-05
725	9.85737E-05	0.000104521	2.25405E-05	9.53748E-05	3.99515E-05	0.000102795	0.000108391	1.39029E-05	9.53748E-05	4.16209E-05
726	0.00010607	0.000112357	2.56928E-05	0.000101152	4.04258E-05	0.000110095	0.000115982	1.65729E-05	0.000101152	4.21008E-05
727	0.000112546	0.00011901	2.99151E-05	0.000105769	0.000131037	0.000116221	0.000122252	2.04209E-05	0.000105769	0.000126439
728	0.000110819	0.000117015	3.16152E-05	0.000106614	0.000130845	0.000115113	0.000120973	2.2033E-05	0.000106614	0.000126166
729	0.000109823	0.000115894	3.22065E-05	0.000104524	0.000131204	0.00011369	0.00011941	2.28307E-05	0.000104524	0.000126559
730	0.000107514	0.000113362	3.27539E-05	0.000100728	0.000131046	0.000110752	0.000116229	2.37472E-05	0.000100728	0.000126375
731	0.000105359	0.000111011	3.31019E-05	9.70669E-05	0.00013077	0.000107983	0.000113239	2.44873E-05	9.70669E-05	0.00012606
732	0.000102791	0.000108331	3.19715E-05	9.42121E-05	0.000115636	0.000105219	0.00011035	2.37155E-05	9.42121E-05	0.000111962
733	0.000100821	0.000106243	3.15039E-05	9.20087E-05	0.000115381	0.000103074	0.000108086	2.34708E-05	9.20087E-05	0.000111675
734	9.97711E-05	0.000105197	3.0408E-05	9.16206E-05	0.000114849	0.000102213	0.000107235	2.2443E-05	9.16206E-05	0.000111081
735	0.000101219	0.000106761	3.03671E-05	9.34959E-05	0.000128843	0.000103887	0.000109027	2.22365E-05	9.34959E-05	0.0001239
736	0.000108167	0.000114115	3.21238E-05	9.98956E-05	0.000127883	0.000111029	0.00011654	2.34842E-05	9.98956E-05	0.000122823
737	0.00011964	0.00012628	3.47508E-05	0.000109962	0.000127202	0.000122685	0.000128809	2.54149E-05	0.000109962	0.00012206
738	0.000133304	0.000140493	4.14023E-05	0.000119371	0.00012667	0.000135604	0.000142171	3.13019E-05	0.000119371	0.000121466
739	0.00014507	0.000152416	5.11674E-05	0.000124874	9.65448E-05	0.000145734	0.000152364	4.0406E-05	0.000124874	9.34449E-05
740	0.000146999	0.000154158	5.54733E-05	0.00012388	6.7969E-05	0.00014668	0.000153104	4.46351E-05	0.00012388	6.72113E-05
741	0.000142578	0.000149458	5.46235E-05	0.000118786	5.24587E-05	0.000141801	0.00014795	4.41211E-05	0.000118786	5.27026E-05
742	0.000136364	0.000143148	4.96374E-05	0.00011214	3.85704E-05	0.000135271	0.00014129	3.96586E-05	0.00011214	4.00575E-05
743	0.000123325	0.000129664	4.22846E-05	0.000104056	3.79868E-05	0.000123266	0.000128949	3.29835E-05	0.000104056	3.94061E-05
744	0.000111373	0.000117444	3.37537E-05	9.77837E-05	3.77968E-05	0.000112698	0.000118214	2.50778E-05	9.77837E-05	3.91952E-05
745	8.81224E-05	9.31535E-05	2.38067E-05	8.04848E-05	3.79483E-05	9.02547E-05	9.48967E-05	1.65188E-05	8.04848E-05	3.93649E-05
746	8.50631E-05	9.01164E-05	2.04629E-05	7.96987E-05	3.8054E-05	8.78579E-05	9.25503E-05	1.33203E-05	7.96987E-05	3.94852E-05
747	8.37053E-05	8.87538E-05	1.91665E-05	7.95868E-05	3.85761E-05	8.68564E-05	9.15681E-05	1.20121E-05	7.95868E-05	4.00754E-05
748	8.5702E-05	9.09011E-05	1.92366E-05	8.2168E-05	3.96037E-05	8.91563E-05	9.40238E-05	1.18377E-05	8.2168E-05	4.12338E-05
749	9.16797E-05	9.71823E-05	2.13359E-05	8.80896E-05	4.1728E-05	9.53972E-05	0.000100564	1.33295E-05	8.80896E-05	4.36237E-05
750	9.98022E-05	0.000105686	2.45831E-05	9.44445E-05	4.23675E-05	0.000103344	0.000108839	1.60572E-05	9.44445E-05	4.42921E-05
751	0.000103756	0.000109634	2.86149E-05	9.81194E-05	0.000132772	0.000107287	0.000112797	1.97579E-05	9.81194E-05	0.000128422

752	0.000100058	0.000105565	2.96522E-05	9.46101E-05	0.000132529	0.000103377	0.00010855	2.11995E-05	9.46101E-05	0.000128088
753	9.82574E-05	0.000103589	3.01032E-05	9.16746E-05	0.000133152	0.000101092	0.000106076	2.19298E-05	9.16746E-05	0.000128775
754	9.72542E-05	0.00010245	3.08337E-05	8.89192E-05	0.00013357	9.94553E-05	0.000104269	2.29884E-05	8.89192E-05	0.000129239
755	9.72806E-05	0.000102421	3.15717E-05	8.76723E-05	0.000133836	9.90593E-05	0.000103791	2.38945E-05	8.76723E-05	0.000129537
756	9.42797E-05	9.92759E-05	3.04095E-05	8.47049E-05	0.000119246	9.59336E-05	0.000100522	2.30511E-05	8.47049E-05	0.000116051
757	9.20279E-05	9.68855E-05	2.99297E-05	8.25019E-05	0.000119095	9.3575E-05	9.80336E-05	2.27515E-05	8.25019E-05	0.000115883
758	8.96774E-05	9.44468E-05	2.87069E-05	8.153E-05	0.000118278	9.15529E-05	9.59608E-05	2.15332E-05	8.153E-05	0.000114966
759	9.03836E-05	9.52239E-05	2.8505E-05	8.23526E-05	0.000131595	9.23505E-05	9.68237E-05	2.12953E-05	8.23526E-05	0.000127025
760	9.56871E-05	0.000100827	2.99782E-05	8.7035E-05	0.000129782	9.77343E-05	0.000102477	2.24049E-05	8.7035E-05	0.000124987
761	0.000105684	0.000111417	3.24064E-05	9.60181E-05	0.00012829	0.000107948	0.000113223	2.41623E-05	9.60181E-05	0.000123311
762	0.000121109	0.000127506	3.9332E-05	0.000107095	0.000127389	0.0001227	0.000128522	3.02078E-05	0.000107095	0.0001223
763	0.000134798	0.000141475	4.94367E-05	0.00011479	9.72501E-05	0.000134941	0.000140953	3.94413E-05	0.00011479	9.42515E-05
764	0.000137283	0.000143813	5.38152E-05	0.000114244	6.87432E-05	0.000136443	0.00014228	4.37254E-05	0.000114244	6.80844E-05
765	0.000134917	0.000141318	5.30877E-05	0.000109743	5.32451E-05	0.000133289	0.000138954	4.33003E-05	0.000109743	5.3585E-05
766	0.000128089	0.00013434	4.81763E-05	0.000103547	3.92198E-05	0.000126437	0.000131947	3.89248E-05	0.000103547	4.07799E-05
767	0.000115779	0.000121632	4.09548E-05	9.62021E-05	3.83478E-05	0.000115205	0.000120423	3.23203E-05	9.62021E-05	3.98026E-05
768	0.000104566	0.000110197	3.25737E-05	9.07983E-05	3.78623E-05	0.000105456	0.000110554	2.44756E-05	9.07983E-05	3.92589E-05
769	8.81224E-05	9.31535E-05	2.38067E-05	8.04848E-05	3.79483E-05	9.02547E-05	9.48967E-05	1.65188E-05	8.04848E-05	3.93649E-05
770	8.50631E-05	9.01164E-05	2.04629E-05	7.96987E-05	3.8054E-05	8.78579E-05	9.25503E-05	1.33203E-05	7.96987E-05	3.94852E-05
771	8.37053E-05	8.87538E-05	1.91665E-05	7.95868E-05	3.85761E-05	8.68564E-05	9.15681E-05	1.20121E-05	7.95868E-05	4.00754E-05
772	8.5702E-05	9.09011E-05	1.92366E-05	8.2168E-05	3.96037E-05	8.91563E-05	9.40238E-05	1.18377E-05	8.2168E-05	4.12338E-05
773	9.16797E-05	9.71823E-05	2.13359E-05	8.80896E-05	4.1728E-05	9.53972E-05	0.000100564	1.33295E-05	8.80896E-05	4.36237E-05
774	9.98022E-05	0.000105686	2.45831E-05	9.44445E-05	4.23675E-05	0.000103344	0.000108839	1.60572E-05	9.44445E-05	4.42921E-05
775	0.000103756	0.000109634	2.86149E-05	9.81194E-05	0.000132772	0.000107287	0.000112797	1.97579E-05	9.81194E-05	0.000128422
776	0.000100058	0.000105565	2.96522E-05	9.46101E-05	0.000132529	0.000103377	0.00010855	2.11995E-05	9.46101E-05	0.000128088
777	9.82574E-05	0.000103589	3.01032E-05	9.16746E-05	0.000133152	0.000101092	0.000106076	2.19298E-05	9.16746E-05	0.000128775
778	9.72542E-05	0.00010245	3.08337E-05	8.89192E-05	0.00013357	9.94553E-05	0.000104269	2.29884E-05	8.89192E-05	0.000129239
779	9.72806E-05	0.000102421	3.15717E-05	8.76723E-05	0.000133836	9.90593E-05	0.000103791	2.38945E-05	8.76723E-05	0.000129537
780	9.42797E-05	9.92759E-05	3.04095E-05	8.47049E-05	0.000119246	9.59336E-05	0.000100522	2.30511E-05	8.47049E-05	0.000116051
781	9.20279E-05	9.68855E-05	2.99297E-05	8.25019E-05	0.000119095	9.3575E-05	9.80336E-05	2.27515E-05	8.25019E-05	0.000115883
782	8.96774E-05	9.44468E-05	2.87069E-05	8.153E-05	0.000118278	9.15529E-05	9.59608E-05	2.15332E-05	8.153E-05	0.000114966
783	9.03836E-05	9.52239E-05	2.8505E-05	8.23526E-05	0.000131595	9.23505E-05	9.68237E-05	2.12953E-05	8.23526E-05	0.000127025
784	9.56871E-05	0.000100827	2.99782E-05	8.7035E-05	0.000129782	9.77343E-05	0.000102477	2.24049E-05	8.7035E-05	0.000124987
785	0.000105684	0.000111417	3.24064E-05	9.60181E-05	0.00012829	0.000107948	0.000113223	2.41623E-05	9.60181E-05	0.000123311
786	0.000121109	0.000127506	3.9332E-05	0.000107095	0.000127389	0.0001227	0.000128522	3.02078E-05	0.000107095	0.0001223
787	0.000134798	0.000141475	4.94367E-05	0.00011479	9.72501E-05	0.000134941	0.000140953	3.94413E-05	0.00011479	9.42515E-05
788	0.000137283	0.000143813	5.38152E-05	0.000114244	6.87432E-05	0.000136443	0.00014228	4.37254E-05	0.000114244	6.80844E-05
789	0.000134917	0.000141318	5.30877E-05	0.000109743	5.32451E-05	0.000133289	0.000138954	4.33003E-05	0.000109743	5.3585E-05
790	0.000128089	0.00013434	4.81763E-05	0.000103547	3.92198E-05	0.000126437	0.000131947	3.89248E-05	0.000103547	4.07799E-05
791	0.000115779	0.000121632	4.09548E-05	9.62021E-05	3.83478E-05	0.000115205	0.000120423	3.23203E-05	9.62021E-05	3.98026E-05
792	0.000104566	0.000110197	3.25737E-05	9.07983E-05	3.78623E-05	0.000105456	0.000110554	2.44756E-05	9.07983E-05	3.92589E-05
793	8.81224E-05	9.31535E-05	2.38067E-05	8.04848E-05	3.79483E-05	9.02547E-05	9.48967E-05	1.65188E-05	8.04848E-05	3.93649E-05
794	8.50631E-05	9.01164E-05	2.04629E-05	7.96987E-05	3.8054E-05	8.78579E-05	9.25503E-05	1.33203E-05	7.96987E-05	3.94852E-05
795	8.37053E-05	8.87538E-05	1.91665E-05	7.95868E-05	3.85761E-05	8.68564E-05	9.15681E-05	1.20121E-05	7.95868E-05	4.00754E-05
796	8.5702E-05	9.09011E-05	1.92366E-05	8.2168E-05	3.96037E-05	8.91563E-05	9.40238E-05	1.18377E-05	8.2168E-05	4.12338E-05
797	9.16797E-05	9.71823E-05	2.13359E-05	8.80896E-05	4.1728E-05	9.53972E-05	0.000100564	1.33295E-05	8.80896E-05	4.36237E-05
798	9.98022E-05	0.000105686	2.45831E-05	9.44445E-05	4.23675E-05	0.000103344	0.000108839	1.60572E-05	9.44445E-05	4.42921E-05
799	0.000103756	0.000109634	2.86149E-05	9.81194E-05	0.000132772	0.000107287	0.000112797	1.97579E-05	9.81194E-05	0.000128422
800	0.000100058	0.000105565	2.96522E-05	9.46101E-05	0.000132529	0.000103377	0.00010855	2.11995E-05	9.46101E-05	0.000128088
801	9.82574E-05	0.000103589	3.01032E-05	9.16746E-05	0.000133152	0.000101092	0.000106076	2.19298E-05	9.16746E-05	0.000128775
802	9.72542E-05	0.00010245	3.08337E-05	8.89192E-05	0.00013357	9.94553E-05	0.000104269	2.29884E-05	8.89192E-05	0.000129239
803	9.72806E-05	0.000102421	3.15717E-05	8.76723E-05	0.000133836	9.90593E-05	0.000103791	2.38945E-05	8.76723E-05	0.000129537
804	9.42797E-05	9.92759E-05	3.04095E-05	8.47049E-05	0.000119246	9.59336E-05	0.000100522	2.30511E-05	8.47049E-05	0.000116051
805	9.20279E-05	9.68855E-05	2.99297E-05	8.25019E-05	0.000119095	9.3575E-05	9.80336E-05	2.27515E-05	8.25019E-05	0.000115883
806	8.96774E-05	9.44468E-05	2.87069E-05	8.153E-05	0.000118278	9.15529E-05	9.59608E-05	2.15332E-05	8.153E-05	0.000114966
807	9.03836E-05	9.52239E-05	2.8505E-05	8.23526E-05	0.000131595	9.23505E-05	9.68237E-05	2.12953E-05	8.23526E-05	0.000127025
808	9.56871E-05	0.000100827	2.99782E-05	8.7035E-05	0.000129782	9.77343E-05	0.000102477	2.24049E-05	8.7035E-05	0.000124987
809	0.000105684	0.000111417	3.24064E-05	9.60181E-05	0.00012829	0.000107948	0.000113223	2.41623E-05	9.60181E-05	0.000123311
810	0.000121109	0.000127506	3.9332E-05	0.000107095	0.000127389	0.0001227	0.000128522	3.02078E-05	0.000107095	0.0001223
811	0.000134798	0.000141475	4.94367E-05	0.00011479	9.72501E-05	0.000134941	0.000140953	3.94413E-05	0.00011479	9.42515E-05
812	0.000137283	0.000143813	5.38152E-05	0.000114244	6.87432E-05	0.000136443	0.00014228	4.37254E-05	0.000114244	6.80844E-05
813	0.000134917	0.000141318	5.30877E-05	0.000109743	5.32451E-05	0.000133289	0.000138954	4.33003E-05	0.000109743	5.3585E-05
814	0.000128089	0.00013434	4.81763E-05	0.000103547	3.92198E-05	0.000126437	0.000131947	3.89248E-05	0.000103547	4.07799E-05
815	0.000115779	0.000121632	4.09548E-05	9.62021E-05	3.83478E-05	0.000115205	0.000120423	3.23203E-05	9.62021E-05	3.98026E-05
816	0.000104566	0.000110197	3.25737E-05	9.07983E-05	3.78623E-05	0.000105456	0.000110554	2.44756E-05	9.07983E-05	3.92589E-05
817	8.81224E-05	9.31535E-05	2.38067E-05	8.04848E-05	3.79483E-05	9.02547E-05	9.48967E-05	1.65188E-05	8.04848E-05	3.93649E-05
818	8.50631E-05	9.01164E-05	2.04629E-05	7.96987E-05	3.8054E-05	8.78579E-05	9.25503E-05	1.33203E-05	7.96987E-05	3.94852E-05
819	8.37053E-05	8.87538E-05	1.91665E-05	7.95868E-05	3.85761E-05	8.68564E-05	9.15681E-05	1.20121E-05	7.95868E-05	4.00754E-05
820	8.5702E-05	9.09011E-05	1.92366E-05	8.2168E-05	3.96037E-05	8.91563E-05	9.40238E-05	1.18377E-05	8.2168E-05	4.12338E-05
821	9.16797E-05	9.71823E-05	2.13359E-05	8.80896E-05	4.1728E-05	9.53972E-05	0.000100564	1.33295E-05	8.80896E-05	4.36237E-05
822	9.98022E-05	0.000105686	2.45831E-05	9.44445E-05	4.23675E-05	0.000103344	0.000108839	1.60572E-05	9.44445E-05	4.42921E-05
823	0.000103756	0.000109634	2.86149E-05	9.81194E-05	0.000132772	0.000107287	0.000112797	1.97579E-05	9.81194E-05	0.000128422
824	0.000100058	0.000105565	2.96522E-05	9.46101E-05	0.000132529	0.000103377	0.00010855	2.11995E-05	9.46101E-05	0.000128088
825	9.82574E-05	0.000103589	3.01032E-05	9.16746E-05	0.000133152	0.000101092	0.000106076	2.19298E-05	9.16746E-05	0.000128775
826	9.72542E-05	0.00010245	3.08337E-05	8.89192E-05	0.00013357	9.94553E-05	0.000104269	2.29884E-05	8.89192E-05	0.000129239
827	9.72806E-05	0.000102421	3.15717E-05	8.76723E-05	0.000133836	9.90593E-05	0.000103791	2.38945E-05	8.76723E-05	0.000129537

828	9.42797E-05	9.92759E-05	3.04095E-05	8.47049E-05	0.000119246	9.59336E-05	0.000100522	2.30511E-05	8.47049E-05	0.000116051
829	9.20279E-05	9.68855E-05	2.99297E-05	8.25019E-05	0.000119095	9.3575E-05	9.80336E-05	2.27515E-05	8.25019E-05	0.000115883
830	8.96774E-05	9.44468E-05	2.87069E-05	8.153E-05	0.000118278	9.15529E-05	9.59608E-05	2.15332E-05	8.153E-05	0.000114966
831	9.03836E-05	9.52239E-05	2.8505E-05	8.23526E-05	0.000131595	9.23505E-05	9.68237E-05	2.12953E-05	8.23526E-05	0.000127025
832	9.56871E-05	0.000100827	2.99782E-05	8.7035E-05	0.000129782	9.77343E-05	0.000102477	2.24049E-05	8.7035E-05	0.000124987
833	0.000105684	0.000111417	3.24064E-05	9.60181E-05	0.00012829	0.000107948	0.000113223	2.41623E-05	9.60181E-05	0.000123311
834	0.000121109	0.000127506	3.9332E-05	0.000107095	0.000127389	0.0001227	0.000128522	3.02078E-05	0.000107095	0.0001223
835	0.000134798	0.000141475	4.94367E-05	0.00011479	9.72501E-05	0.000134941	0.000140953	3.94413E-05	0.00011479	9.42515E-05
836	0.000137283	0.000143813	5.38152E-05	0.000114244	6.87432E-05	0.000136443	0.00014228	4.37254E-05	0.000114244	6.80844E-05
837	0.000134917	0.000141318	5.30877E-05	0.000109743	5.32451E-05	0.000133289	0.000138954	4.33003E-05	0.000109743	5.3585E-05
838	0.000128089	0.00013434	4.81763E-05	0.000103547	3.92198E-05	0.000126437	0.000131947	3.89248E-05	0.000103547	4.07799E-05
839	0.000115779	0.000121632	4.09548E-05	9.62021E-05	3.83478E-05	0.000115205	0.000120423	3.23203E-05	9.62021E-05	3.98026E-05
840	0.000104566	0.000110197	3.25737E-05	9.07983E-05	3.78623E-05	0.000105456	0.000110554	2.44756E-05	9.07983E-05	3.92589E-05
841	8.81224E-05	9.31535E-05	2.38067E-05	8.04848E-05	3.79483E-05	9.02547E-05	9.48967E-05	1.65188E-05	8.04848E-05	3.93649E-05
842	8.50631E-05	9.01164E-05	2.04629E-05	7.96987E-05	3.8054E-05	8.78579E-05	9.25503E-05	1.33203E-05	7.96987E-05	3.94852E-05
843	8.37053E-05	8.87538E-05	1.91665E-05	7.95868E-05	3.85761E-05	8.68564E-05	9.15681E-05	1.20121E-05	7.95868E-05	4.00754E-05
844	8.5702E-05	9.09011E-05	1.92366E-05	8.2168E-05	3.96037E-05	8.91563E-05	9.40238E-05	1.18377E-05	8.2168E-05	4.12338E-05
845	9.16797E-05	9.71823E-05	2.13359E-05	8.80896E-05	4.1728E-05	9.53972E-05	0.000100564	1.33295E-05	8.80896E-05	4.36237E-05
846	9.98022E-05	0.000105686	2.45831E-05	9.44445E-05	4.23675E-05	0.000103344	0.000108839	1.60572E-05	9.44445E-05	4.42921E-05
847	0.000103756	0.000109634	2.86149E-05	9.81194E-05	0.000132772	0.000107287	0.000112797	1.97579E-05	9.81194E-05	0.000128422
848	0.000100058	0.000105565	2.96522E-05	9.46101E-05	0.000132529	0.000103377	0.00010855	2.11995E-05	9.46101E-05	0.000128088
849	9.82574E-05	0.000103589	3.01032E-05	9.16746E-05	0.000133152	0.000101092	0.000106076	2.19298E-05	9.16746E-05	0.000128775
850	9.72542E-05	0.00010245	3.08337E-05	8.89192E-05	0.00013357	9.94553E-05	0.000104269	2.29884E-05	8.89192E-05	0.000129239
851	9.72806E-05	0.000102421	3.15717E-05	8.76723E-05	0.000133836	9.90593E-05	0.000103791	2.38945E-05	8.76723E-05	0.000129537
852	9.42797E-05	9.92759E-05	3.04095E-05	8.47049E-05	0.000119246	9.59336E-05	0.000100522	2.30511E-05	8.47049E-05	0.000116051
853	9.20279E-05	9.68855E-05	2.99297E-05	8.25019E-05	0.000119095	9.3575E-05	9.80336E-05	2.27515E-05	8.25019E-05	0.000115883
854	8.96774E-05	9.44468E-05	2.87069E-05	8.153E-05	0.000118278	9.15529E-05	9.59608E-05	2.15332E-05	8.153E-05	0.000114966
855	9.03836E-05	9.52239E-05	2.8505E-05	8.23526E-05	0.000131595	9.23505E-05	9.68237E-05	2.12953E-05	8.23526E-05	0.000127025
856	9.56871E-05	0.000100827	2.99782E-05	8.7035E-05	0.000129782	9.77343E-05	0.000102477	2.24049E-05	8.7035E-05	0.000124987
857	0.000105684	0.000111417	3.24064E-05	9.60181E-05	0.00012829	0.000107948	0.000113223	2.41623E-05	9.60181E-05	0.000123311
858	0.000121109	0.000127506	3.9332E-05	0.000107095	0.000127389	0.0001227	0.000128522	3.02078E-05	0.000107095	0.0001223
859	0.000134798	0.000141475	4.94367E-05	0.00011479	9.72501E-05	0.000134941	0.000140953	3.94413E-05	0.00011479	9.42515E-05
860	0.000137283	0.000143813	5.38152E-05	0.000114244	6.87432E-05	0.000136443	0.00014228	4.37254E-05	0.000114244	6.80844E-05
861	0.000134917	0.000141318	5.30877E-05	0.000109743	5.32451E-05	0.000133289	0.000138954	4.33003E-05	0.000109743	5.3585E-05
862	0.000128089	0.00013434	4.81763E-05	0.000103547	3.92198E-05	0.000126437	0.000131947	3.89248E-05	0.000103547	4.07799E-05
863	0.000115779	0.000121632	4.09548E-05	9.62021E-05	3.83478E-05	0.000115205	0.000120423	3.23203E-05	9.62021E-05	3.98026E-05
864	0.000104566	0.000110197	3.25737E-05	9.07983E-05	3.78623E-05	0.000105456	0.000110554	2.44756E-05	9.07983E-05	3.92589E-05
865	8.89443E-05	9.40281E-05	2.39536E-05	8.13902E-05	3.77821E-05	9.11477E-05	9.58419E-05	1.65823E-05	8.13902E-05	3.91776E-05
866	8.55512E-05	9.06348E-05	2.05635E-05	8.03459E-05	3.80923E-05	8.84208E-05	9.3147E-05	1.33462E-05	8.03459E-05	3.95281E-05
867	8.41952E-05	8.92742E-05	1.92652E-05	8.02171E-05	3.86589E-05	8.74156E-05	9.21607E-05	1.20402E-05	8.02171E-05	4.01683E-05
868	8.62286E-05	9.14614E-05	1.93325E-05	8.27627E-05	3.97041E-05	8.97328E-05	9.46341E-05	1.18768E-05	8.27627E-05	4.13467E-05
869	9.23933E-05	9.79411E-05	2.14708E-05	8.89352E-05	4.1903E-05	9.61902E-05	0.000101403	1.33782E-05	8.89352E-05	4.38205E-05
870	0.000100675	0.000106615	2.47433E-05	9.544E-05	4.26081E-05	0.000104303	0.000109854	1.6121E-05	9.544E-05	4.45627E-05
871	0.000106218	0.000112271	2.88341E-05	9.9359E-05	0.000133041	0.000109513	0.000115158	1.98567E-05	9.9359E-05	0.000128724
872	0.000100472	0.000106005	2.97454E-05	9.5223E-05	0.000132909	0.000103874	0.000109078	2.12148E-05	9.5223E-05	0.000128515
873	9.86257E-05	0.000103979	3.0189E-05	9.22429E-05	0.000133612	0.000101541	0.000106552	2.19408E-05	9.22429E-05	0.000129291
874	9.75692E-05	0.000102785	3.08919E-05	8.92821E-05	0.000134075	9.98022E-05	0.000104637	2.3011E-05	8.92821E-05	0.000129805
875	9.76417E-05	0.000102805	3.16386E-05	8.8089E-05	0.000134318	9.94573E-05	0.000104213	2.39204E-05	8.8089E-05	0.000130076
876	9.45997E-05	9.96162E-05	3.04702E-05	8.5086E-05	0.00011974	9.62897E-05	0.000100899	2.30727E-05	8.5086E-05	0.000116605
877	9.23555E-05	9.72335E-05	2.99956E-05	8.29226E-05	0.000119576	9.39487E-05	9.84296E-05	2.27703E-05	8.29226E-05	0.000116421
878	8.98404E-05	9.46181E-05	2.87635E-05	8.1934E-05	0.000118705	9.17966E-05	9.62206E-05	2.15217E-05	8.1934E-05	0.000115444
879	9.06392E-05	9.54944E-05	2.85721E-05	8.28088E-05	0.000131931	9.26801E-05	9.7174E-05	2.12963E-05	8.28088E-05	0.000127401
880	9.60831E-05	0.000101247	3.00667E-05	8.76152E-05	0.00013002	9.82072E-05	0.000102978	2.242E-05	8.76152E-05	0.000125253
881	0.000106153	0.000111914	3.24997E-05	9.6612E-05	0.000128491	0.00010848	0.000113787	2.41901E-05	9.6612E-05	0.000123535
882	0.000121831	0.000128274	3.94705E-05	0.000107967	0.000127565	0.000123507	0.000129378	3.02554E-05	0.000107967	0.000122496
883	0.000135553	0.000142278	4.95857E-05	0.000115737	9.73697E-05	0.000135795	0.000141858	3.94872E-05	0.000115737	9.43856E-05
884	0.00013802	0.000144596	5.39555E-05	0.000115125	6.88149E-05	0.000137264	0.00014315	4.37748E-05	0.000115125	6.81644E-05
885	0.000134088	0.000140417	5.31726E-05	0.000110402	5.33164E-05	0.000132866	0.000138504	4.33168E-05	0.000110402	5.36645E-05
886	0.00012877	0.000135065	4.83019E-05	0.000104328	3.93092E-05	0.000127187	0.00013274	3.89741E-05	0.000104328	4.08798E-05
887	0.000116451	0.000122347	4.10785E-05	9.69713E-05	3.8368E-05	0.000115944	0.000121205	3.23692E-05	9.69713E-05	3.98243E-05
888	0.000105125	0.000110792	3.26828E-05	9.14884E-05	3.77786E-05	0.000106086	0.000111221	2.45109E-05	9.14884E-05	3.91633E-05
889	8.89443E-05	9.40281E-05	2.39536E-05	8.13902E-05	3.77821E-05	9.11477E-05	9.58419E-05	1.65823E-05	8.13902E-05	3.91776E-05
890	8.55512E-05	9.06348E-05	2.05635E-05	8.03459E-05	3.80923E-05	8.84208E-05	9.3147E-05	1.33462E-05	8.03459E-05	3.95281E-05
891	8.41952E-05	8.92742E-05	1.92652E-05	8.02171E-05	3.86589E-05	8.74156E-05	9.21607E-05	1.20402E-05	8.02171E-05	4.01683E-05
892	8.62286E-05	9.14614E-05	1.93325E-05	8.27627E-05	3.97041E-05	8.97328E-05	9.46341E-05	1.18768E-05	8.27627E-05	4.13467E-05
893	9.23933E-05	9.79411E-05	2.14708E-05	8.89352E-05	4.1903E-05	9.61902E-05	0.000101403	1.33782E-05	8.89352E-05	4.38205E-05
894	0.000100675	0.000106615	2.47433E-05	9.544E-05	4.26081E-05	0.000104303	0.000109854	1.6121E-05	9.544E-05	4.45627E-05
895	0.000106218	0.000112271	2.88341E-05	9.9359E-05	0.000133041	0.000109513	0.000115158	1.98567E-05	9.9359E-05	0.000128724
896	0.000100472	0.000106005	2.97454E-05	9.5223E-05	0.000132909	0.000103874	0.000109078	2.12148E-05	9.5223E-05	0.000128515
897	9.86257E-05	0.000103979	3.0189E-05	9.22429E-05	0.000133612	0.000101541	0.000106552	2.19408E-05	9.22429E-05	0.000129291
898	9.75692E-05	0.000102785	3.08919E-05	8.92821E-05	0.000134075	9.98022E-05	0.000104637	2.3011E-05	8.92821E-05	0.000129805
899	9.76417E-05	0.000102805	3.16386E-05	8.8089E-05	0.000134318	9.94573E-05	0.000104213	2.39204E-05	8.8089E-05	0.000130076
900	9.45997E-05	9.96162E-05	3.04702E-05	8.5086E-05	0.00011974	9.62897E-05	0.000100899	2.30727E-05	8.5086E-05	0.000116605
901	9.23555E-05	9.72335E-05	2.99956E-05	8.29226E-05	0.000119576	9.39487E-05	9.84296E-05	2.27703E-05	8.29226E-05	0.000116421
902	8.98404E-05	9.46181E-05	2.87635E-05	8.1934E-05	0.000118705	9.17966E-05	9.62206E-05	2.15217E-05	8.1934E-05	0.000115444
903	9.06392E-05	9.54944E-05	2.85721E-05	8.28088E-05	0.000131931	9.26801E-05	9.7174E-05	2.12963E-05	8.28088E-05	0.000127401

904	9.60831E-05	0.000101247	3.00667E-05	8.76152E-05	0.00013002	9.82072E-05	0.000102978	2.242E-05	8.76152E-05	0.000125253
905	0.000106153	0.000111914	3.24997E-05	9.6612E-05	0.000128491	0.00010848	0.000113787	2.41901E-05	9.6612E-05	0.000123535
906	0.000121831	0.000128274	3.94705E-05	0.000107967	0.000127565	0.000123507	0.000129378	3.02554E-05	0.000107967	0.000122496
907	0.000135553	0.000142278	4.95857E-05	0.000115737	9.73697E-05	0.000135795	0.000141858	3.94872E-05	0.000115737	9.43856E-05
908	0.00013802	0.000144596	5.39555E-05	0.000115125	6.88149E-05	0.000137264	0.00014315	4.37748E-05	0.000115125	6.81644E-05
909	0.000134088	0.000140417	5.31726E-05	0.000110402	5.33164E-05	0.000132866	0.000138504	4.33168E-05	0.000110402	5.36645E-05
910	0.00012877	0.000135065	4.83019E-05	0.000104328	3.93092E-05	0.000127187	0.00013274	3.89741E-05	0.000104328	4.08798E-05
911	0.000116451	0.000122347	4.10785E-05	9.69713E-05	3.8368E-05	0.000115944	0.000121205	3.23692E-05	9.69713E-05	3.98243E-05
912	0.000105125	0.000110792	3.26828E-05	9.14884E-05	3.77786E-05	0.000106086	0.000111221	2.45109E-05	9.14884E-05	3.91633E-05
913	8.81224E-05	9.31535E-05	2.38067E-05	8.04848E-05	3.79483E-05	9.02547E-05	9.48967E-05	1.65188E-05	8.04848E-05	3.93649E-05
914	8.50631E-05	9.01164E-05	2.04629E-05	7.96987E-05	3.8054E-05	8.78579E-05	9.25503E-05	1.33203E-05	7.96987E-05	3.94852E-05
915	8.37053E-05	8.87538E-05	1.91665E-05	7.95868E-05	3.85761E-05	8.68564E-05	9.15681E-05	1.20121E-05	7.95868E-05	4.00754E-05
916	8.5702E-05	9.09011E-05	1.92366E-05	8.2168E-05	3.96037E-05	8.91563E-05	9.40238E-05	1.18377E-05	8.2168E-05	4.12338E-05
917	9.16797E-05	9.71823E-05	2.13359E-05	8.80896E-05	4.1728E-05	9.53972E-05	0.000100564	1.33295E-05	8.80896E-05	4.36237E-05
918	9.98022E-05	0.000105686	2.45831E-05	9.44445E-05	4.23675E-05	0.000103344	0.000108839	1.60572E-05	9.44445E-05	4.42921E-05
919	0.000103756	0.000109634	2.86149E-05	9.81194E-05	0.000132772	0.000107287	0.000112797	1.97579E-05	9.81194E-05	0.000128422
920	0.000100058	0.000105565	2.96522E-05	9.46101E-05	0.000132529	0.000103377	0.00010855	2.11995E-05	9.46101E-05	0.000128088
921	9.82574E-05	0.000103589	3.01032E-05	9.16746E-05	0.000133152	0.000101092	0.000106076	2.19298E-05	9.16746E-05	0.000128775
922	9.72542E-05	0.00010245	3.08337E-05	8.89192E-05	0.00013357	9.94553E-05	0.000104269	2.29884E-05	8.89192E-05	0.000129239
923	9.72806E-05	0.000102421	3.15717E-05	8.76723E-05	0.000133836	9.90593E-05	0.000103791	2.38945E-05	8.76723E-05	0.000129537
924	9.42797E-05	9.92759E-05	3.04095E-05	8.47049E-05	0.000119246	9.59336E-05	0.000100522	2.30511E-05	8.47049E-05	0.000116051
925	9.20279E-05	9.68855E-05	2.99297E-05	8.25019E-05	0.000119095	9.3575E-05	9.80336E-05	2.27515E-05	8.25019E-05	0.000115883
926	8.96774E-05	9.44468E-05	2.87069E-05	8.153E-05	0.000118278	9.15529E-05	9.59608E-05	2.15332E-05	8.153E-05	0.000114966
927	9.03836E-05	9.52239E-05	2.8505E-05	8.23526E-05	0.000131595	9.23505E-05	9.68237E-05	2.12953E-05	8.23526E-05	0.000127025
928	9.56871E-05	0.000100827	2.99782E-05	8.7035E-05	0.000129782	9.77343E-05	0.000102477	2.24049E-05	8.7035E-05	0.000124987
929	0.000105684	0.000111417	3.24064E-05	9.60181E-05	0.00012829	0.000107948	0.000113223	2.41623E-05	9.60181E-05	0.000123311
930	0.000121109	0.000127506	3.9332E-05	0.000107095	0.000127389	0.0001227	0.000128522	3.02078E-05	0.000107095	0.0001223
931	0.000134798	0.000141475	4.94367E-05	0.00011479	9.72501E-05	0.000134941	0.000140953	3.94413E-05	0.00011479	9.42515E-05
932	0.000137283	0.000143813	5.38152E-05	0.000114244	6.87432E-05	0.000136443	0.00014228	4.37254E-05	0.000114244	6.80844E-05
933	0.000134917	0.000141318	5.30877E-05	0.000109743	5.32451E-05	0.000133289	0.000138954	4.33003E-05	0.000109743	5.3585E-05
934	0.000128089	0.00013434	4.81763E-05	0.000103547	3.92198E-05	0.000126437	0.000131947	3.89248E-05	0.000103547	4.07799E-05
935	0.000115779	0.000121632	4.09548E-05	9.62021E-05	3.83478E-05	0.000115205	0.000120423	3.23203E-05	9.62021E-05	3.98026E-05
936	0.000104566	0.000110197	3.25737E-05	9.07983E-05	3.78623E-05	0.000105456	0.000110554	2.44756E-05	9.07983E-05	3.92589E-05
937	8.81224E-05	9.31535E-05	2.38067E-05	8.04848E-05	3.79483E-05	9.02547E-05	9.48967E-05	1.65188E-05	8.04848E-05	3.93649E-05
938	8.50631E-05	9.01164E-05	2.04629E-05	7.96987E-05	3.8054E-05	8.78579E-05	9.25503E-05	1.33203E-05	7.96987E-05	3.94852E-05
939	8.37053E-05	8.87538E-05	1.91665E-05	7.95868E-05	3.85761E-05	8.68564E-05	9.15681E-05	1.20121E-05	7.95868E-05	4.00754E-05
940	8.5702E-05	9.09011E-05	1.92366E-05	8.2168E-05	3.96037E-05	8.91563E-05	9.40238E-05	1.18377E-05	8.2168E-05	4.12338E-05
941	9.16797E-05	9.71823E-05	2.13359E-05	8.80896E-05	4.1728E-05	9.53972E-05	0.000100564	1.33295E-05	8.80896E-05	4.36237E-05
942	9.98022E-05	0.000105686	2.45831E-05	9.44445E-05	4.23675E-05	0.000103344	0.000108839	1.60572E-05	9.44445E-05	4.42921E-05
943	0.000103756	0.000109634	2.86149E-05	9.81194E-05	0.000132772	0.000107287	0.000112797	1.97579E-05	9.81194E-05	0.000128422
944	0.000100058	0.000105565	2.96522E-05	9.46101E-05	0.000132529	0.000103377	0.00010855	2.11995E-05	9.46101E-05	0.000128088
945	9.82574E-05	0.000103589	3.01032E-05	9.16746E-05	0.000133152	0.000101092	0.000106076	2.19298E-05	9.16746E-05	0.000128775
946	9.72542E-05	0.00010245	3.08337E-05	8.89192E-05	0.00013357	9.94553E-05	0.000104269	2.29884E-05	8.89192E-05	0.000129239
947	9.72806E-05	0.000102421	3.15717E-05	8.76723E-05	0.000133836	9.90593E-05	0.000103791	2.38945E-05	8.76723E-05	0.000129537
948	9.42797E-05	9.92759E-05	3.04095E-05	8.47049E-05	0.000119246	9.59336E-05	0.000100522	2.30511E-05	8.47049E-05	0.000116051
949	9.20279E-05	9.68855E-05	2.99297E-05	8.25019E-05	0.000119095	9.3575E-05	9.80336E-05	2.27515E-05	8.25019E-05	0.000115883
950	8.96774E-05	9.44468E-05	2.87069E-05	8.153E-05	0.000118278	9.15529E-05	9.59608E-05	2.15332E-05	8.153E-05	0.000114966
951	9.03836E-05	9.52239E-05	2.8505E-05	8.23526E-05	0.000131595	9.23505E-05	9.68237E-05	2.12953E-05	8.23526E-05	0.000127025
952	9.56871E-05	0.000100827	2.99782E-05	8.7035E-05	0.000129782	9.77343E-05	0.000102477	2.24049E-05	8.7035E-05	0.000124987
953	0.000105684	0.000111417	3.24064E-05	9.60181E-05	0.00012829	0.000107948	0.000113223	2.41623E-05	9.60181E-05	0.000123311
954	0.000121109	0.000127506	3.9332E-05	0.000107095	0.000127389	0.0001227	0.000128522	3.02078E-05	0.000107095	0.0001223
955	0.000134798	0.000141475	4.94367E-05	0.00011479	9.72501E-05	0.000134941	0.000140953	3.94413E-05	0.00011479	9.42515E-05
956	0.000137283	0.000143813	5.38152E-05	0.000114244	6.87432E-05	0.000136443	0.00014228	4.37254E-05	0.000114244	6.80844E-05
957	0.000134917	0.000141318	5.30877E-05	0.000109743	5.32451E-05	0.000133289	0.000138954	4.33003E-05	0.000109743	5.3585E-05
958	0.000128089	0.00013434	4.81763E-05	0.000103547	3.92198E-05	0.000126437	0.000131947	3.89248E-05	0.000103547	4.07799E-05
959	0.000115779	0.000121632	4.09548E-05	9.62021E-05	3.83478E-05	0.000115205	0.000120423	3.23203E-05	9.62021E-05	3.98026E-05
960	0.000104566	0.000110197	3.25737E-05	9.07983E-05	3.78623E-05	0.000105456	0.000110554	2.44756E-05	9.07983E-05	3.92589E-05
961	8.81224E-05	9.31535E-05	2.38067E-05	8.04848E-05	3.79483E-05	9.02547E-05	9.48967E-05	1.65188E-05	8.04848E-05	3.93649E-05
962	8.50631E-05	9.01164E-05	2.04629E-05	7.96987E-05	3.8054E-05	8.78579E-05	9.25503E-05	1.33203E-05	7.96987E-05	3.94852E-05
963	8.37053E-05	8.87538E-05	1.91665E-05	7.95868E-05	3.85761E-05	8.68564E-05	9.15681E-05	1.20121E-05	7.95868E-05	4.00754E-05
964	8.5702E-05	9.09011E-05	1.92366E-05	8.2168E-05	3.96037E-05	8.91563E-05	9.40238E-05	1.18377E-05	8.2168E-05	4.12338E-05
965	9.16797E-05	9.71823E-05	2.13359E-05	8.80896E-05	4.1728E-05	9.53972E-05	0.000100564	1.33295E-05	8.80896E-05	4.36237E-05
966	9.98022E-05	0.000105686	2.45831E-05	9.44445E-05	4.23675E-05	0.000103344	0.000108839	1.60572E-05	9.44445E-05	4.42921E-05
967	0.000103756	0.000109634	2.86149E-05	9.81194E-05	0.000132772	0.000107287	0.000112797	1.97579E-05	9.81194E-05	0.000128422
968	0.000100058	0.000105565	2.96522E-05	9.46101E-05	0.000132529	0.000103377	0.00010855	2.11995E-05	9.46101E-05	0.000128088
969	9.82574E-05	0.000103589	3.01032E-05	9.16746E-05	0.000133152	0.000101092	0.000106076	2.19298E-05	9.16746E-05	0.000128775
970	9.72542E-05	0.00010245	3.08337E-05	8.89192E-05	0.00013357	9.94553E-05	0.000104269	2.29884E-05	8.89192E-05	0.000129239
971	9.72806E-05	0.000102421	3.15717E-05	8.76723E-05	0.000133836	9.90593E-05	0.000103791	2.38945E-05	8.76723E-05	0.000129537
972	9.42797E-05	9.92759E-05	3.04095E-05	8.47049E-05	0.000119246	9.59336E-05	0.000100522	2.30511E-05	8.47049E-05	0.000116051
973	9.20279E-05	9.68855E-05	2.99297E-05	8.25019E-05	0.000119095	9.3575E-05	9.80336E-05	2.27515E-05	8.25019E-05	0.000115883
974	8.96774E-05	9.44468E-05	2.87069E-05	8.153E-05	0.000118278	9.15529E-05	9.59608E-05	2.15332E-05	8.153E-05	0.000114966
975	9.03836E-05	9.52239E-05	2.8505E-05	8.23526E-05	0.000131595	9.23505E-05	9.68237E-05	2.12953E-05	8.23526E-05	0.000127025
976	9.56871E-05	0.000100827	2.99782E-05	8.7035E-05	0.000129782	9.77343E-05	0.000102477	2.24049E-05	8.7035E-05	0.000124987
977	0.000105684	0.000111417	3.24064E-05	9.60181E-05	0.00012829	0.000107948	0.000113223	2.41623E-05	9.60181E-05	0.000123311
978	0.000121109	0.000127506	3.9332E-05	0.000107095	0.000127389	0.0001227	0.000128522	3.02078E-05	0.000107095	0.0001223
979	0.000134798	0.000141475	4.94367E-05	0.00011479	9.72501E-05	0.000134941	0.000140953	3.94413E-05	0.00011479	9.42515E-05

980	0.000137283	0.000143813	5.38152E-05	0.000114244	6.87432E-05	0.000136443	0.00014228	4.37254E-05	0.000114244	6.80844E-05
981	0.000134917	0.000141318	5.30877E-05	0.000109743	5.32451E-05	0.000133289	0.000138954	4.33003E-05	0.000109743	5.3585E-05
982	0.000128089	0.00013434	4.81763E-05	0.000103547	3.92198E-05	0.000126437	0.000131947	3.89248E-05	0.000103547	4.07799E-05
983	0.000115779	0.000121632	4.09548E-05	9.62021E-05	3.83478E-05	0.000115205	0.000120423	3.23203E-05	9.62021E-05	3.98026E-05
984	0.000104566	0.000110197	3.25737E-05	9.07983E-05	3.78623E-05	0.000105456	0.000110554	2.44756E-05	9.07983E-05	3.92589E-05
985	8.81224E-05	9.31535E-05	2.38067E-05	8.04848E-05	3.79483E-05	9.02547E-05	9.48967E-05	1.65188E-05	8.04848E-05	3.93649E-05
986	8.50631E-05	9.01164E-05	2.04629E-05	7.96987E-05	3.8054E-05	8.78579E-05	9.25503E-05	1.33203E-05	7.96987E-05	3.94852E-05
987	8.37053E-05	8.87538E-05	1.91665E-05	7.95868E-05	3.85761E-05	8.68564E-05	9.15681E-05	1.20121E-05	7.95868E-05	4.00754E-05
988	8.5702E-05	9.09011E-05	1.92366E-05	8.2168E-05	3.96037E-05	8.91563E-05	9.40238E-05	1.18377E-05	8.2168E-05	4.12338E-05
989	9.16797E-05	9.71823E-05	2.13359E-05	8.80896E-05	4.1728E-05	9.53972E-05	0.000100564	1.33295E-05	8.80896E-05	4.36237E-05
990	9.98022E-05	0.000105686	2.45831E-05	9.44445E-05	4.23675E-05	0.000103344	0.000108839	1.60572E-05	9.44445E-05	4.42921E-05
991	0.000103756	0.000109634	2.86149E-05	9.81194E-05	0.000132772	0.000107287	0.000112797	1.97579E-05	9.81194E-05	0.000128422
992	0.000100058	0.000105565	2.96522E-05	9.46101E-05	0.000132529	0.000103377	0.00010855	2.11995E-05	9.46101E-05	0.000128088
993	9.82574E-05	0.000103589	3.01032E-05	9.16746E-05	0.000133152	0.000101092	0.000106076	2.19298E-05	9.16746E-05	0.000128775
994	9.72542E-05	0.00010245	3.08337E-05	8.89192E-05	0.00013357	9.94553E-05	0.000104269	2.29884E-05	8.89192E-05	0.000129239
995	9.72806E-05	0.000102421	3.15717E-05	8.76723E-05	0.000133836	9.90593E-05	0.000103791	2.38945E-05	8.76723E-05	0.000129537
996	9.42797E-05	9.92759E-05	3.04095E-05	8.47049E-05	0.000119246	9.59336E-05	0.000100522	2.30511E-05	8.47049E-05	0.000116051
997	9.20279E-05	9.68855E-05	2.99297E-05	8.25019E-05	0.000119095	9.3575E-05	9.80336E-05	2.27515E-05	8.25019E-05	0.000115883
998	8.96774E-05	9.44468E-05	2.87069E-05	8.153E-05	0.000118278	9.15529E-05	9.59608E-05	2.15332E-05	8.153E-05	0.000114966
999	9.03836E-05	9.52239E-05	2.8505E-05	8.23526E-05	0.000131595	9.23505E-05	9.68237E-05	2.12953E-05	8.23526E-05	0.000127025
1000	9.56871E-05	0.000100827	2.99782E-05	8.7035E-05	0.000129782	9.77343E-05	0.000102477	2.24049E-05	8.7035E-05	0.000124987
1001	0.000105684	0.000111417	3.24064E-05	9.60181E-05	0.00012829	0.000107948	0.000113223	2.41623E-05	9.60181E-05	0.000123311
1002	0.000121109	0.000127506	3.9332E-05	0.000107095	0.000127389	0.0001227	0.000128522	3.02078E-05	0.000107095	0.0001223
1003	0.000134798	0.000141475	4.94367E-05	0.00011479	9.72501E-05	0.000134941	0.000140953	3.94413E-05	0.00011479	9.42515E-05
1004	0.000137283	0.000143813	5.38152E-05	0.000114244	6.87432E-05	0.000136443	0.00014228	4.37254E-05	0.000114244	6.80844E-05
1005	0.000134917	0.000141318	5.30877E-05	0.000109743	5.32451E-05	0.000133289	0.000138954	4.33003E-05	0.000109743	5.3585E-05
1006	0.000128089	0.00013434	4.81763E-05	0.000103547	3.92198E-05	0.000126437	0.000131947	3.89248E-05	0.000103547	4.07799E-05
1007	0.000115779	0.000121632	4.09548E-05	9.62021E-05	3.83478E-05	0.000115205	0.000120423	3.23203E-05	9.62021E-05	3.98026E-05
1008	0.000104566	0.000110197	3.25737E-05	9.07983E-05	3.78623E-05	0.000105456	0.000110554	2.44756E-05	9.07983E-05	3.92589E-05
1009	8.81224E-05	9.31535E-05	2.38067E-05	8.04848E-05	3.79483E-05	9.02547E-05	9.48967E-05	1.65188E-05	8.04848E-05	3.93649E-05
1010	8.50631E-05	9.01164E-05	2.04629E-05	7.96987E-05	3.8054E-05	8.78579E-05	9.25503E-05	1.33203E-05	7.96987E-05	3.94852E-05
1011	8.37053E-05	8.87538E-05	1.91665E-05	7.95868E-05	3.85761E-05	8.68564E-05	9.15681E-05	1.20121E-05	7.95868E-05	4.00754E-05
1012	8.5702E-05	9.09011E-05	1.92366E-05	8.2168E-05	3.96037E-05	8.91563E-05	9.40238E-05	1.18377E-05	8.2168E-05	4.12338E-05
1013	9.16797E-05	9.71823E-05	2.13359E-05	8.80896E-05	4.1728E-05	9.53972E-05	0.000100564	1.33295E-05	8.80896E-05	4.36237E-05
1014	9.98022E-05	0.000105686	2.45831E-05	9.44445E-05	4.23675E-05	0.000103344	0.000108839	1.60572E-05	9.44445E-05	4.42921E-05
1015	0.000103756	0.000109634	2.86149E-05	9.81194E-05	0.000132772	0.000107287	0.000112797	1.97579E-05	9.81194E-05	0.000128422
1016	0.000100058	0.000105565	2.96522E-05	9.46101E-05	0.000132529	0.000103377	0.00010855	2.11995E-05	9.46101E-05	0.000128088
1017	9.82574E-05	0.000103589	3.01032E-05	9.16746E-05	0.000133152	0.000101092	0.000106076	2.19298E-05	9.16746E-05	0.000128775
1018	9.72542E-05	0.00010245	3.08337E-05	8.89192E-05	0.00013357	9.94553E-05	0.000104269	2.29884E-05	8.89192E-05	0.000129239
1019	9.72806E-05	0.000102421	3.15717E-05	8.76723E-05	0.000133836	9.90593E-05	0.000103791	2.38945E-05	8.76723E-05	0.000129537
1020	9.42797E-05	9.92759E-05	3.04095E-05	8.47049E-05	0.000119246	9.59336E-05	0.000100522	2.30511E-05	8.47049E-05	0.000116051
1021	9.20279E-05	9.68855E-05	2.99297E-05	8.25019E-05	0.000119095	9.3575E-05	9.80336E-05	2.27515E-05	8.25019E-05	0.000115883
1022	8.96774E-05	9.44468E-05	2.87069E-05	8.153E-05	0.000118278	9.15529E-05	9.59608E-05	2.15332E-05	8.153E-05	0.000114966
1023	9.03836E-05	9.52239E-05	2.8505E-05	8.23526E-05	0.000131595	9.23505E-05	9.68237E-05	2.12953E-05	8.23526E-05	0.000127025
1024	9.56871E-05	0.000100827	2.99782E-05	8.7035E-05	0.000129782	9.77343E-05	0.000102477	2.24049E-05	8.7035E-05	0.000124987
1025	0.000105684	0.000111417	3.24064E-05	9.60181E-05	0.00012829	0.000107948	0.000113223	2.41623E-05	9.60181E-05	0.000123311
1026	0.000121109	0.000127506	3.9332E-05	0.000107095	0.000127389	0.0001227	0.000128522	3.02078E-05	0.000107095	0.0001223
1027	0.000134798	0.000141475	4.94367E-05	0.00011479	9.72501E-05	0.000134941	0.000140953	3.94413E-05	0.00011479	9.42515E-05
1028	0.000137283	0.000143813	5.38152E-05	0.000114244	6.87432E-05	0.000136443	0.00014228	4.37254E-05	0.000114244	6.80844E-05
1029	0.000134917	0.000141318	5.30877E-05	0.000109743	5.32451E-05	0.000133289	0.000138954	4.33003E-05	0.000109743	5.3585E-05
1030	0.000128089	0.00013434	4.81763E-05	0.000103547	3.92198E-05	0.000126437	0.000131947	3.89248E-05	0.000103547	4.07799E-05
1031	0.000115779	0.000121632	4.09548E-05	9.62021E-05	3.83478E-05	0.000115205	0.000120423	3.23203E-05	9.62021E-05	3.98026E-05
1032	0.000104566	0.000110197	3.25737E-05	9.07983E-05	3.78623E-05	0.000105456	0.000110554	2.44756E-05	9.07983E-05	3.92589E-05
1033	8.89443E-05	9.40281E-05	2.39536E-05	8.13902E-05	3.77821E-05	9.11477E-05	9.58419E-05	1.65823E-05	8.13902E-05	3.91776E-05
1034	8.55512E-05	9.06348E-05	2.05635E-05	8.03459E-05	3.80923E-05	8.84208E-05	9.3147E-05	1.33462E-05	8.03459E-05	3.95281E-05
1035	8.41952E-05	8.92742E-05	1.92652E-05	8.02171E-05	3.86589E-05	8.74156E-05	9.21607E-05	1.20402E-05	8.02171E-05	4.01683E-05
1036	8.62286E-05	9.14614E-05	1.93325E-05	8.27627E-05	3.97041E-05	8.97328E-05	9.46341E-05	1.18768E-05	8.27627E-05	4.13467E-05
1037	9.23933E-05	9.79411E-05	2.14708E-05	8.89352E-05	4.1903E-05	9.61902E-05	0.000101403	1.33782E-05	8.89352E-05	4.38205E-05
1038	0.000100675	0.000106615	2.47433E-05	9.544E-05	4.26081E-05	0.000104303	0.000109854	1.6121E-05	9.544E-05	4.45627E-05
1039	0.000106218	0.000112271	2.88341E-05	9.9359E-05	0.000133041	0.000109513	0.000115158	1.98567E-05	9.9359E-05	0.000128724
1040	0.000100472	0.000106005	2.97454E-05	9.5223E-05	0.000132909	0.000103874	0.000109078	2.12148E-05	9.5223E-05	0.000128515
1041	9.86257E-05	0.000103979	3.0189E-05	9.22429E-05	0.000133612	0.000101541	0.000106552	2.19408E-05	9.22429E-05	0.000129291
1042	9.75692E-05	0.000102785	3.08919E-05	8.92821E-05	0.000134075	9.98022E-05	0.000104637	2.3011E-05	8.92821E-05	0.000129805
1043	9.76417E-05	0.000102805	3.16386E-05	8.8089E-05	0.000134318	9.94573E-05	0.000104213	2.39204E-05	8.8089E-05	0.000130076
1044	9.45997E-05	9.96162E-05	3.04702E-05	8.5086E-05	0.00011974	9.62897E-05	0.000100899	2.30727E-05	8.5086E-05	0.000116605
1045	9.23555E-05	9.72335E-05	2.99956E-05	8.29226E-05	0.000119576	9.39487E-05	9.84296E-05	2.27703E-05	8.29226E-05	0.000116421
1046	8.98404E-05	9.46181E-05	2.87635E-05	8.1934E-05	0.000118705	9.17966E-05	9.62206E-05	2.15217E-05	8.1934E-05	0.000115444
1047	9.06392E-05	9.54944E-05	2.85721E-05	8.28088E-05	0.000131931	9.26801E-05	9.7174E-05	2.12963E-05	8.28088E-05	0.000127401
1048	9.60831E-05	0.000101247	3.00667E-05	8.76152E-05	0.00013002	9.82072E-05	0.000102978	2.242E-05	8.76152E-05	0.000125253
1049	0.000106153	0.000111914	3.24997E-05	9.6612E-05	0.000128491	0.00010848	0.000113787	2.41901E-05	9.6612E-05	0.000123535
1050	0.000121831	0.000128274	3.94705E-05	0.000107967	0.000127565	0.000123507	0.000129378	3.02554E-05	0.000107967	0.000122496
1051	0.000135553	0.000142278	4.95857E-05	0.000115737	9.73697E-05	0.000135795	0.000141858	3.94872E-05	0.000115737	9.43856E-05
1052	0.00013802	0.000144596	5.39555E-05	0.000115125	6.88149E-05	0.000137264	0.00014315	4.37748E-05	0.000115125	6.81644E-05
1053	0.000134088	0.000140417	5.31726E-05	0.000110402	5.33164E-05	0.000132866	0.000138504	4.33168E-05	0.000110402	5.36645E-05
1054	0.00012877	0.000135065	4.83019E-05	0.000104328	3.93092E-05	0.000127187	0.00013274	3.89741E-05	0.000104328	4.08798E-05
1055	0.000116451	0.000122347	4.10785E-05	9.69713E-05	3.8368E-05	0.000115944	0.000121205	3.23692E-05	9.69713E-05	3.98243E-05

1056	0.000105125	0.000110792	3.26828E-05	9.14884E-05	3.77786E-05	0.000106086	0.000111221	2.45109E-05	9.14884E-05	3.91633E-05
1057	8.89443E-05	9.40281E-05	2.39536E-05	8.13902E-05	3.77821E-05	9.11477E-05	9.58419E-05	1.65823E-05	8.13902E-05	3.91776E-05
1058	8.55512E-05	9.06348E-05	2.05635E-05	8.03459E-05	3.80923E-05	8.84208E-05	9.3147E-05	1.33462E-05	8.03459E-05	3.95281E-05
1059	8.41952E-05	8.92742E-05	1.92652E-05	8.02171E-05	3.86589E-05	8.74156E-05	9.21607E-05	1.20402E-05	8.02171E-05	4.01683E-05
1060	8.62286E-05	9.14614E-05	1.93325E-05	8.27627E-05	3.97041E-05	8.97328E-05	9.46341E-05	1.18768E-05	8.27627E-05	4.13467E-05
1061	9.23933E-05	9.79411E-05	2.14708E-05	8.89352E-05	4.1903E-05	9.61902E-05	0.000101403	1.33782E-05	8.89352E-05	4.38205E-05
1062	0.000100675	0.000106615	2.47433E-05	9.544E-05	4.26081E-05	0.000104303	0.000109854	1.6121E-05	9.544E-05	4.45627E-05
1063	0.000106218	0.000112271	2.88341E-05	9.9359E-05	0.000133041	0.000109513	0.000115158	1.98567E-05	9.9359E-05	0.000128724
1064	0.000100472	0.000106005	2.97454E-05	9.5223E-05	0.000132909	0.000103874	0.000109078	2.12148E-05	9.5223E-05	0.000128515
1065	9.86257E-05	0.000103979	3.0189E-05	9.22429E-05	0.000133612	0.000101541	0.000106552	2.19408E-05	9.22429E-05	0.000129291
1066	9.75692E-05	0.000102785	3.08919E-05	8.92821E-05	0.000134075	9.98022E-05	0.000104637	2.3011E-05	8.92821E-05	0.000129805
1067	9.76417E-05	0.000102805	3.16386E-05	8.8089E-05	0.000134318	9.94573E-05	0.000104213	2.39204E-05	8.8089E-05	0.000130076
1068	9.45997E-05	9.96162E-05	3.04702E-05	8.5086E-05	0.00011974	9.62897E-05	0.000100899	2.30727E-05	8.5086E-05	0.000116605
1069	9.23555E-05	9.72335E-05	2.99956E-05	8.29226E-05	0.000119576	9.39487E-05	9.84296E-05	2.27703E-05	8.29226E-05	0.000116421
1070	8.98404E-05	9.46181E-05	2.87635E-05	8.1934E-05	0.000118705	9.17966E-05	9.62206E-05	2.15217E-05	8.1934E-05	0.000115444
1071	9.06392E-05	9.54944E-05	2.85721E-05	8.28088E-05	0.000131931	9.26801E-05	9.7174E-05	2.12963E-05	8.28088E-05	0.000127401
1072	9.60831E-05	0.000101247	3.00667E-05	8.76152E-05	0.00013002	9.82072E-05	0.000102978	2.242E-05	8.76152E-05	0.000125253
1073	0.000106153	0.000111914	3.24997E-05	9.6612E-05	0.000128491	0.00010848	0.000113787	2.41901E-05	9.6612E-05	0.000123535
1074	0.000121831	0.000128274	3.94705E-05	0.000107967	0.000127565	0.000123507	0.000129378	3.02554E-05	0.000107967	0.000122496
1075	0.000135553	0.000142278	4.95857E-05	0.000115737	9.73697E-05	0.000135795	0.000141858	3.94872E-05	0.000115737	9.43856E-05
1076	0.00013802	0.000144596	5.39555E-05	0.000115125	6.88149E-05	0.000137264	0.00014315	4.37748E-05	0.000115125	6.81644E-05
1077	0.000134088	0.000140417	5.31726E-05	0.000110402	5.33164E-05	0.000132866	0.000138504	4.33168E-05	0.000110402	5.36645E-05
1078	0.00012877	0.000135065	4.83019E-05	0.000104328	3.93092E-05	0.000127187	0.00013274	3.89741E-05	0.000104328	4.08798E-05
1079	0.000116451	0.000122347	4.10785E-05	9.69713E-05	3.8368E-05	0.000115944	0.000121205	3.23692E-05	9.69713E-05	3.98243E-05
1080	0.000105125	0.000110792	3.26828E-05	9.14884E-05	3.77786E-05	0.000106086	0.000111221	2.45109E-05	9.14884E-05	3.91633E-05
1081	8.89443E-05	9.40281E-05	2.39536E-05	8.13902E-05	3.77821E-05	9.11477E-05	9.58419E-05	1.65823E-05	8.13902E-05	3.91776E-05
1082	8.55512E-05	9.06348E-05	2.05635E-05	8.03459E-05	3.80923E-05	8.84208E-05	9.3147E-05	1.33462E-05	8.03459E-05	3.95281E-05
1083	8.41952E-05	8.92742E-05	1.92652E-05	8.02171E-05	3.86589E-05	8.74156E-05	9.21607E-05	1.20402E-05	8.02171E-05	4.01683E-05
1084	8.62286E-05	9.14614E-05	1.93325E-05	8.27627E-05	3.97041E-05	8.97328E-05	9.46341E-05	1.18768E-05	8.27627E-05	4.13467E-05
1085	9.23933E-05	9.79411E-05	2.14708E-05	8.89352E-05	4.1903E-05	9.61902E-05	0.000101403	1.33782E-05	8.89352E-05	4.38205E-05
1086	0.000100675	0.000106615	2.47433E-05	9.544E-05	4.26081E-05	0.000104303	0.000109854	1.6121E-05	9.544E-05	4.45627E-05
1087	0.000106218	0.000112271	2.88341E-05	9.9359E-05	0.000133041	0.000109513	0.000115158	1.98567E-05	9.9359E-05	0.000128724
1088	0.000100472	0.000106005	2.97454E-05	9.5223E-05	0.000132909	0.000103874	0.000109078	2.12148E-05	9.5223E-05	0.000128515
1089	9.86257E-05	0.000103979	3.0189E-05	9.22429E-05	0.000133612	0.000101541	0.000106552	2.19408E-05	9.22429E-05	0.000129291
1090	9.75692E-05	0.000102785	3.08919E-05	8.92821E-05	0.000134075	9.98022E-05	0.000104637	2.3011E-05	8.92821E-05	0.000129805
1091	9.76417E-05	0.000102805	3.16386E-05	8.8089E-05	0.000134318	9.94573E-05	0.000104213	2.39204E-05	8.8089E-05	0.000130076
1092	9.45997E-05	9.96162E-05	3.04702E-05	8.5086E-05	0.00011974	9.62897E-05	0.000100899	2.30727E-05	8.5086E-05	0.000116605
1093	9.23555E-05	9.72335E-05	2.99956E-05	8.29226E-05	0.000119576	9.39487E-05	9.84296E-05	2.27703E-05	8.29226E-05	0.000116421
1094	8.98404E-05	9.46181E-05	2.87635E-05	8.1934E-05	0.000118705	9.17966E-05	9.62206E-05	2.15217E-05	8.1934E-05	0.000115444
1095	9.06392E-05	9.54944E-05	2.85721E-05	8.28088E-05	0.000131931	9.26801E-05	9.7174E-05	2.12963E-05	8.28088E-05	0.000127401
1096	9.60831E-05	0.000101247	3.00667E-05	8.76152E-05	0.00013002	9.82072E-05	0.000102978	2.242E-05	8.76152E-05	0.000125253
1097	0.000106153	0.000111914	3.24997E-05	9.6612E-05	0.000128491	0.00010848	0.000113787	2.41901E-05	9.6612E-05	0.000123535
1098	0.000121831	0.000128274	3.94705E-05	0.000107967	0.000127565	0.000123507	0.000129378	3.02554E-05	0.000107967	0.000122496
1099	0.000135553	0.000142278	4.95857E-05	0.000115737	9.73697E-05	0.000135795	0.000141858	3.94872E-05	0.000115737	9.43856E-05
1100	0.00013802	0.000144596	5.39555E-05	0.000115125	6.88149E-05	0.000137264	0.00014315	4.37748E-05	0.000115125	6.81644E-05
1101	0.000134088	0.000140417	5.31726E-05	0.000110402	5.33164E-05	0.000132866	0.000138504	4.33168E-05	0.000110402	5.36645E-05
1102	0.00012877	0.000135065	4.83019E-05	0.000104328	3.93092E-05	0.000127187	0.00013274	3.89741E-05	0.000104328	4.08798E-05
1103	0.000116451	0.000122347	4.10785E-05	9.69713E-05	3.8368E-05	0.000115944	0.000121205	3.23692E-05	9.69713E-05	3.98243E-05
1104	0.000105125	0.000110792	3.26828E-05	9.14884E-05	3.77786E-05	0.000106086	0.000111221	2.45109E-05	9.14884E-05	3.91633E-05
1105	8.81224E-05	9.31535E-05	2.38067E-05	8.04848E-05	3.79483E-05	9.02547E-05	9.48967E-05	1.65188E-05	8.04848E-05	3.93649E-05
1106	8.50631E-05	9.01164E-05	2.04629E-05	7.96987E-05	3.8054E-05	8.78579E-05	9.25503E-05	1.33203E-05	7.96987E-05	3.94852E-05
1107	8.37053E-05	8.87538E-05	1.91665E-05	7.95868E-05	3.85761E-05	8.68564E-05	9.15681E-05	1.20121E-05	7.95868E-05	4.00754E-05
1108	8.5702E-05	9.09011E-05	1.92366E-05	8.2168E-05	3.96037E-05	8.91563E-05	9.40238E-05	1.18377E-05	8.2168E-05	4.12338E-05
1109	9.16797E-05	9.71823E-05	2.13359E-05	8.80896E-05	4.1728E-05	9.53972E-05	0.000100564	1.33295E-05	8.80896E-05	4.36237E-05
1110	9.98022E-05	0.000105686	2.45831E-05	9.44445E-05	4.23675E-05	0.000103344	0.000108839	1.60572E-05	9.44445E-05	4.42921E-05
1111	0.000103756	0.000109634	2.86149E-05	9.81194E-05	0.000132772	0.000107287	0.000112797	1.97579E-05	9.81194E-05	0.000128422
1112	0.000100058	0.000105565	2.96522E-05	9.46101E-05	0.000132529	0.000103377	0.00010855	2.11995E-05	9.46101E-05	0.000128088
1113	9.82574E-05	0.000103589	3.01032E-05	9.16746E-05	0.000133152	0.000101092	0.000106076	2.19298E-05	9.16746E-05	0.000128775
1114	9.72542E-05	0.00010245	3.08337E-05	8.89192E-05	0.00013357	9.94553E-05	0.000104269	2.29884E-05	8.89192E-05	0.000129239
1115	9.72806E-05	0.000102421	3.15717E-05	8.76723E-05	0.000133836	9.90593E-05	0.000103791	2.38945E-05	8.76723E-05	0.000129537
1116	9.42797E-05	9.92759E-05	3.04095E-05	8.47049E-05	0.000119246	9.59336E-05	0.000100522	2.30511E-05	8.47049E-05	0.000116051
1117	9.20279E-05	9.68855E-05	2.99297E-05	8.25019E-05	0.000119095	9.3575E-05	9.80336E-05	2.27515E-05	8.25019E-05	0.000115883
1118	8.96774E-05	9.44468E-05	2.87069E-05	8.153E-05	0.000118278	9.15529E-05	9.59608E-05	2.15332E-05	8.153E-05	0.000114966
1119	9.03836E-05	9.52239E-05	2.8505E-05	8.23526E-05	0.000131595	9.23505E-05	9.68237E-05	2.12953E-05	8.23526E-05	0.000127025
1120	9.56871E-05	0.000100827	2.99782E-05	8.7035E-05	0.000129782	9.77343E-05	0.000102477	2.24049E-05	8.7035E-05	0.000124987
1121	0.000105684	0.000111417	3.24064E-05	9.60181E-05	0.00012829	0.000107948	0.000113223	2.41623E-05	9.60181E-05	0.000123311
1122	0.000121109	0.000127506	3.9332E-05	0.000107095	0.000127389	0.0001227	0.000128522	3.02078E-05	0.000107095	0.0001223
1123	0.000134798	0.000141475	4.94367E-05	0.00011479	9.72501E-05	0.000134941	0.000140953	3.94413E-05	0.00011479	9.42515E-05
1124	0.000137283	0.000143813	5.38152E-05	0.000114244	6.87432E-05	0.000136443	0.00014228	4.37254E-05	0.000114244	6.80844E-05
1125	0.000134917	0.000141318	5.30877E-05	0.000109743	5.32451E-05	0.000133289	0.000138954	4.33003E-05	0.000109743	5.3585E-05
1126	0.000128089	0.00013434	4.81763E-05	0.000103547	3.92198E-05	0.000126437	0.000131947	3.89248E-05	0.000103547	4.07799E-05
1127	0.000115779	0.000121632	4.09548E-05	9.62021E-05	3.83478E-05	0.000115205	0.000120423	3.23203E-05	9.62021E-05	3.98026E-05
1128	0.000104566	0.000110197	3.25737E-05	9.07983E-05	3.78623E-05	0.000105456	0.000110554	2.44756E-05	9.07983E-05	3.92589E-05
1129	8.81224E-05	9.31535E-05	2.38067E-05	8.04848E-05	3.79483E-05	9.02547E-05	9.48967E-05	1.65188E-05	8.04848E-05	3.93649E-05
1130	8.50631E-05	9.01164E-05	2.04629E-05	7.96987E-05	3.8054E-05	8.78579E-05	9.25503E-05	1.33203E-05	7.96987E-05	3.94852E-05
1131	8.37053E-05	8.87538E-05	1.91665E-05	7.95868E-05	3.85761E-05	8.68564E-05	9.15681E-05	1.20121E-05	7.95868E-05	4.00754E-05

1132	8.5702E-05	9.09011E-05	1.92366E-05	8.2168E-05	3.96037E-05	8.91563E-05	9.40238E-05	1.18377E-05	8.2168E-05	4.12338E-05
1133	9.16797E-05	9.71823E-05	2.13359E-05	8.80896E-05	4.1728E-05	9.53972E-05	0.000100564	1.33295E-05	8.80896E-05	4.36237E-05
1134	9.98022E-05	0.000105686	2.45831E-05	9.44445E-05	4.23675E-05	0.000103344	0.000108839	1.60572E-05	9.44445E-05	4.42921E-05
1135	0.000103756	0.000109634	2.86149E-05	9.81194E-05	0.000132772	0.000107287	0.000112797	1.97579E-05	9.81194E-05	0.000128422
1136	0.000100058	0.000105565	2.96522E-05	9.46101E-05	0.000132529	0.000103377	0.00010855	2.11995E-05	9.46101E-05	0.000128088
1137	9.82574E-05	0.000103589	3.01032E-05	9.16746E-05	0.000133152	0.000101092	0.000106076	2.19298E-05	9.16746E-05	0.000128775
1138	9.72542E-05	0.00010245	3.08337E-05	8.89192E-05	0.00013357	9.94553E-05	0.000104269	2.29884E-05	8.89192E-05	0.000129239
1139	9.72806E-05	0.000102421	3.15717E-05	8.76723E-05	0.000133836	9.90593E-05	0.000103791	2.38945E-05	8.76723E-05	0.000129537
1140	9.42797E-05	9.92759E-05	3.04095E-05	8.47049E-05	0.000119246	9.59336E-05	0.000100522	2.30511E-05	8.47049E-05	0.000116051
1141	9.20279E-05	9.68855E-05	2.99297E-05	8.25019E-05	0.000119095	9.3575E-05	9.80336E-05	2.27515E-05	8.25019E-05	0.000115883
1142	8.96774E-05	9.44468E-05	2.87069E-05	8.153E-05	0.000118278	9.15529E-05	9.59608E-05	2.15332E-05	8.153E-05	0.000114966
1143	9.03836E-05	9.52239E-05	2.8505E-05	8.23526E-05	0.000131595	9.23505E-05	9.68237E-05	2.12953E-05	8.23526E-05	0.000127025
1144	9.56871E-05	0.000100827	2.99782E-05	8.7035E-05	0.000129782	9.77343E-05	0.000102477	2.24049E-05	8.7035E-05	0.000124987
1145	0.000105684	0.000111417	3.24064E-05	9.60181E-05	0.00012829	0.000107948	0.000113223	2.41623E-05	9.60181E-05	0.000123311
1146	0.000121109	0.000127506	3.9332E-05	0.000107095	0.000127389	0.0001227	0.000128522	3.02078E-05	0.000107095	0.0001223
1147	0.000134798	0.000141475	4.94367E-05	0.00011479	9.72501E-05	0.000134941	0.000140953	3.94413E-05	0.00011479	9.42515E-05
1148	0.000137283	0.000143813	5.38152E-05	0.000114244	6.87432E-05	0.000136443	0.00014228	4.37254E-05	0.000114244	6.80844E-05
1149	0.000134917	0.000141318	5.30877E-05	0.000109743	5.32451E-05	0.000133289	0.000138954	4.33003E-05	0.000109743	5.3585E-05
1150	0.000128089	0.00013434	4.81763E-05	0.000103547	3.92198E-05	0.000126437	0.000131947	3.89248E-05	0.000103547	4.07799E-05
1151	0.000115779	0.000121632	4.09548E-05	9.62021E-05	3.83478E-05	0.000115205	0.000120423	3.23203E-05	9.62021E-05	3.98026E-05
1152	0.000104566	0.000110197	3.25737E-05	9.07983E-05	3.78623E-05	0.000105456	0.000110554	2.44756E-05	9.07983E-05	3.92589E-05
1153	8.81224E-05	9.31535E-05	2.38067E-05	8.04848E-05	3.79483E-05	9.02547E-05	9.48967E-05	1.65188E-05	8.04848E-05	3.93649E-05
1154	8.50631E-05	9.01164E-05	2.04629E-05	7.96987E-05	3.8054E-05	8.78579E-05	9.25503E-05	1.33203E-05	7.96987E-05	3.94852E-05
1155	8.37053E-05	8.87538E-05	1.91665E-05	7.95868E-05	3.85761E-05	8.68564E-05	9.15681E-05	1.20121E-05	7.95868E-05	4.00754E-05
1156	8.5702E-05	9.09011E-05	1.92366E-05	8.2168E-05	3.96037E-05	8.91563E-05	9.40238E-05	1.18377E-05	8.2168E-05	4.12338E-05
1157	9.16797E-05	9.71823E-05	2.13359E-05	8.80896E-05	4.1728E-05	9.53972E-05	0.000100564	1.33295E-05	8.80896E-05	4.36237E-05
1158	9.98022E-05	0.000105686	2.45831E-05	9.44445E-05	4.23675E-05	0.000103344	0.000108839	1.60572E-05	9.44445E-05	4.42921E-05
1159	0.000103756	0.000109634	2.86149E-05	9.81194E-05	0.000132772	0.000107287	0.000112797	1.97579E-05	9.81194E-05	0.000128422
1160	0.000100058	0.000105565	2.96522E-05	9.46101E-05	0.000132529	0.000103377	0.00010855	2.11995E-05	9.46101E-05	0.000128088
1161	9.82574E-05	0.000103589	3.01032E-05	9.16746E-05	0.000133152	0.000101092	0.000106076	2.19298E-05	9.16746E-05	0.000128775
1162	9.72542E-05	0.00010245	3.08337E-05	8.89192E-05	0.00013357	9.94553E-05	0.000104269	2.29884E-05	8.89192E-05	0.000129239
1163	9.72806E-05	0.000102421	3.15717E-05	8.76723E-05	0.000133836	9.90593E-05	0.000103791	2.38945E-05	8.76723E-05	0.000129537
1164	9.42797E-05	9.92759E-05	3.04095E-05	8.47049E-05	0.000119246	9.59336E-05	0.000100522	2.30511E-05	8.47049E-05	0.000116051
1165	9.20279E-05	9.68855E-05	2.99297E-05	8.25019E-05	0.000119095	9.3575E-05	9.80336E-05	2.27515E-05	8.25019E-05	0.000115883
1166	8.96774E-05	9.44468E-05	2.87069E-05	8.153E-05	0.000118278	9.15529E-05	9.59608E-05	2.15332E-05	8.153E-05	0.000114966
1167	9.03836E-05	9.52239E-05	2.8505E-05	8.23526E-05	0.000131595	9.23505E-05	9.68237E-05	2.12953E-05	8.23526E-05	0.000127025
1168	9.56871E-05	0.000100827	2.99782E-05	8.7035E-05	0.000129782	9.77343E-05	0.000102477	2.24049E-05	8.7035E-05	0.000124987
1169	0.000105684	0.000111417	3.24064E-05	9.60181E-05	0.00012829	0.000107948	0.000113223	2.41623E-05	9.60181E-05	0.000123311
1170	0.000121109	0.000127506	3.9332E-05	0.000107095	0.000127389	0.0001227	0.000128522	3.02078E-05	0.000107095	0.0001223
1171	0.000134798	0.000141475	4.94367E-05	0.00011479	9.72501E-05	0.000134941	0.000140953	3.94413E-05	0.00011479	9.42515E-05
1172	0.000137283	0.000143813	5.38152E-05	0.000114244	6.87432E-05	0.000136443	0.00014228	4.37254E-05	0.000114244	6.80844E-05
1173	0.000134917	0.000141318	5.30877E-05	0.000109743	5.32451E-05	0.000133289	0.000138954	4.33003E-05	0.000109743	5.3585E-05
1174	0.000128089	0.00013434	4.81763E-05	0.000103547	3.92198E-05	0.000126437	0.000131947	3.89248E-05	0.000103547	4.07799E-05
1175	0.000115779	0.000121632	4.09548E-05	9.62021E-05	3.83478E-05	0.000115205	0.000120423	3.23203E-05	9.62021E-05	3.98026E-05
1176	0.000104566	0.000110197	3.25737E-05	9.07983E-05	3.78623E-05	0.000105456	0.000110554	2.44756E-05	9.07983E-05	3.92589E-05
1177	8.81224E-05	9.31535E-05	2.38067E-05	8.04848E-05	3.79483E-05	9.02547E-05	9.48967E-05	1.65188E-05	8.04848E-05	3.93649E-05
1178	8.50631E-05	9.01164E-05	2.04629E-05	7.96987E-05	3.8054E-05	8.78579E-05	9.25503E-05	1.33203E-05	7.96987E-05	3.94852E-05
1179	8.37053E-05	8.87538E-05	1.91665E-05	7.95868E-05	3.85761E-05	8.68564E-05	9.15681E-05	1.20121E-05	7.95868E-05	4.00754E-05
1180	8.5702E-05	9.09011E-05	1.92366E-05	8.2168E-05	3.96037E-05	8.91563E-05	9.40238E-05	1.18377E-05	8.2168E-05	4.12338E-05
1181	9.16797E-05	9.71823E-05	2.13359E-05	8.80896E-05	4.1728E-05	9.53972E-05	0.000100564	1.33295E-05	8.80896E-05	4.36237E-05
1182	9.98022E-05	0.000105686	2.45831E-05	9.44445E-05	4.23675E-05	0.000103344	0.000108839	1.60572E-05	9.44445E-05	4.42921E-05
1183	0.000103756	0.000109634	2.86149E-05	9.81194E-05	0.000132772	0.000107287	0.000112797	1.97579E-05	9.81194E-05	0.000128422
1184	0.000100058	0.000105565	2.96522E-05	9.46101E-05	0.000132529	0.000103377	0.00010855	2.11995E-05	9.46101E-05	0.000128088
1185	9.82574E-05	0.000103589	3.01032E-05	9.16746E-05	0.000133152	0.000101092	0.000106076	2.19298E-05	9.16746E-05	0.000128775
1186	9.72542E-05	0.00010245	3.08337E-05	8.89192E-05	0.00013357	9.94553E-05	0.000104269	2.29884E-05	8.89192E-05	0.000129239
1187	9.72806E-05	0.000102421	3.15717E-05	8.76723E-05	0.000133836	9.90593E-05	0.000103791	2.38945E-05	8.76723E-05	0.000129537
1188	9.42797E-05	9.92759E-05	3.04095E-05	8.47049E-05	0.000119246	9.59336E-05	0.000100522	2.30511E-05	8.47049E-05	0.000116051
1189	9.20279E-05	9.68855E-05	2.99297E-05	8.25019E-05	0.000119095	9.3575E-05	9.80336E-05	2.27515E-05	8.25019E-05	0.000115883
1190	8.96774E-05	9.44468E-05	2.87069E-05	8.153E-05	0.000118278	9.15529E-05	9.59608E-05	2.15332E-05	8.153E-05	0.000114966
1191	9.03836E-05	9.52239E-05	2.8505E-05	8.23526E-05	0.000131595	9.23505E-05	9.68237E-05	2.12953E-05	8.23526E-05	0.000127025
1192	9.56871E-05	0.000100827	2.99782E-05	8.7035E-05	0.000129782	9.77343E-05	0.000102477	2.24049E-05	8.7035E-05	0.000124987
1193	0.000105684	0.000111417	3.24064E-05	9.60181E-05	0.00012829	0.000107948	0.000113223	2.41623E-05	9.60181E-05	0.000123311
1194	0.000121109	0.000127506	3.9332E-05	0.000107095	0.000127389	0.0001227	0.000128522	3.02078E-05	0.000107095	0.0001223
1195	0.000134798	0.000141475	4.94367E-05	0.00011479	9.72501E-05	0.000134941	0.000140953	3.94413E-05	0.00011479	9.42515E-05
1196	0.000137283	0.000143813	5.38152E-05	0.000114244	6.87432E-05	0.000136443	0.00014228	4.37254E-05	0.000114244	6.80844E-05
1197	0.000134917	0.000141318	5.30877E-05	0.000109743	5.32451E-05	0.000133289	0.000138954	4.33003E-05	0.000109743	5.3585E-05
1198	0.000128089	0.00013434	4.81763E-05	0.000103547	3.92198E-05	0.000126437	0.000131947	3.89248E-05	0.000103547	4.07799E-05
1199	0.000115779	0.000121632	4.09548E-05	9.62021E-05	3.83478E-05	0.000115205	0.000120423	3.23203E-05	9.62021E-05	3.98026E-05
1200	0.000104566	0.000110197	3.25737E-05	9.07983E-05	3.78623E-05	0.000105456	0.000110554	2.44756E-05	9.07983E-05	3.92589E-05
1201	8.89443E-05	9.40281E-05	2.39536E-05	8.13902E-05	3.77821E-05	9.11477E-05	9.58419E-05	1.65823E-05	8.13902E-05	3.91776E-05
1202	8.55512E-05	9.06348E-05	2.05635E-05	8.03459E-05	3.80923E-05	8.84208E-05	9.3147E-05	1.33462E-05	8.03459E-05	3.95281E-05
1203	8.41952E-05	8.92742E-05	1.92652E-05	8.02171E-05	3.86589E-05	8.74156E-05	9.21607E-05	1.20402E-05	8.02171E-05	4.01683E-05
1204	8.62286E-05	9.14614E-05	1.93325E-05	8.27627E-05	3.97041E-05	8.97328E-05	9.46341E-05	1.18768E-05	8.27627E-05	4.13467E-05
1205	9.23933E-05	9.79411E-05	2.14708E-05	8.89352E-05	4.1903E-05	9.61902E-05	0.000101403	1.33782E-05	8.89352E-05	4.38205E-05
1206	0.000100675	0.000106615	2.47433E-05	9.544E-05	4.26081E-05	0.000104303	0.000109854	1.6121E-05	9.544E-05	4.45627E-05
1207	0.000106218	0.000112271	2.88341E-05	9.9359E-05	0.000133041	0.000109513	0.000115158	1.98567E-05	9.9359E-05	0.000128724

1208	0.000100472	0.000106005	2.97454E-05	9.5223E-05	0.000132909	0.000103874	0.000109078	2.12148E-05	9.5223E-05	0.000128515
1209	9.86257E-05	0.000103979	3.0189E-05	9.22429E-05	0.000133612	0.000101541	0.000106552	2.19408E-05	9.22429E-05	0.000129291
1210	9.75692E-05	0.000102785	3.08919E-05	8.92821E-05	0.000134075	9.98022E-05	0.000104637	2.3011E-05	8.92821E-05	0.000129805
1211	9.76417E-05	0.000102805	3.16386E-05	8.8089E-05	0.000134318	9.94573E-05	0.000104213	2.39204E-05	8.8089E-05	0.000130076
1212	9.45997E-05	9.96162E-05	3.04702E-05	8.5086E-05	0.00011974	9.62897E-05	0.000100899	2.30727E-05	8.5086E-05	0.000116605
1213	9.23555E-05	9.72335E-05	2.99956E-05	8.29226E-05	0.000119576	9.39487E-05	9.84296E-05	2.27703E-05	8.29226E-05	0.000116421
1214	8.98404E-05	9.46181E-05	2.87635E-05	8.1934E-05	0.000118705	9.17966E-05	9.62206E-05	2.15217E-05	8.1934E-05	0.000115444
1215	9.06392E-05	9.54944E-05	2.85721E-05	8.28088E-05	0.000131931	9.26801E-05	9.7174E-05	2.12963E-05	8.28088E-05	0.000127401
1216	9.60831E-05	0.000101247	3.00667E-05	8.76152E-05	0.00013002	9.82072E-05	0.000102978	2.242E-05	8.76152E-05	0.000125253
1217	0.000106153	0.000111914	3.24997E-05	9.6612E-05	0.000128491	0.00010848	0.000113787	2.41901E-05	9.6612E-05	0.000123535
1218	0.000121831	0.000128274	3.94705E-05	0.000107967	0.000127565	0.000123507	0.000129378	3.02554E-05	0.000107967	0.000122496
1219	0.000135553	0.000142278	4.95857E-05	0.000115737	9.73697E-05	0.000135795	0.000141858	3.94872E-05	0.000115737	9.43856E-05
1220	0.00013802	0.000144596	5.39555E-05	0.000115125	6.88149E-05	0.000137264	0.00014315	4.37748E-05	0.000115125	6.81644E-05
1221	0.000134088	0.000140417	5.31726E-05	0.000110402	5.33164E-05	0.000132866	0.000138504	4.33168E-05	0.000110402	5.36645E-05
1222	0.00012877	0.000135065	4.83019E-05	0.000104328	3.93092E-05	0.000127187	0.00013274	3.89741E-05	0.000104328	4.08798E-05
1223	0.000116451	0.000122347	4.10785E-05	9.69713E-05	3.8368E-05	0.000115944	0.000121205	3.23692E-05	9.69713E-05	3.98243E-05
1224	0.000105125	0.000110792	3.26828E-05	9.14884E-05	3.77786E-05	0.000106086	0.000111221	2.45109E-05	9.14884E-05	3.91633E-05
1225	8.89443E-05	9.40281E-05	2.39536E-05	8.13902E-05	3.77821E-05	9.11477E-05	9.58419E-05	1.65823E-05	8.13902E-05	3.91776E-05
1226	8.55512E-05	9.06348E-05	2.05635E-05	8.03459E-05	3.80923E-05	8.84208E-05	9.3147E-05	1.33462E-05	8.03459E-05	3.95281E-05
1227	8.41952E-05	8.92742E-05	1.92652E-05	8.02171E-05	3.86589E-05	8.74156E-05	9.21607E-05	1.20402E-05	8.02171E-05	4.01683E-05
1228	8.62286E-05	9.14614E-05	1.93325E-05	8.27627E-05	3.97041E-05	8.97328E-05	9.46341E-05	1.18768E-05	8.27627E-05	4.13467E-05
1229	9.23933E-05	9.79411E-05	2.14708E-05	8.89352E-05	4.1903E-05	9.61902E-05	0.000101403	1.33782E-05	8.89352E-05	4.38205E-05
1230	0.000100675	0.000106615	2.47433E-05	9.544E-05	4.26081E-05	0.000104303	0.000109854	1.6121E-05	9.544E-05	4.45627E-05
1231	0.000106218	0.000112271	2.88341E-05	9.9359E-05	0.000133041	0.000109513	0.000115158	1.98567E-05	9.9359E-05	0.000128724
1232	0.000100472	0.000106005	2.97454E-05	9.5223E-05	0.000132909	0.000103874	0.000109078	2.12148E-05	9.5223E-05	0.000128515
1233	9.86257E-05	0.000103979	3.0189E-05	9.22429E-05	0.000133612	0.000101541	0.000106552	2.19408E-05	9.22429E-05	0.000129291
1234	9.75692E-05	0.000102785	3.08919E-05	8.92821E-05	0.000134075	9.98022E-05	0.000104637	2.3011E-05	8.92821E-05	0.000129805
1235	9.76417E-05	0.000102805	3.16386E-05	8.8089E-05	0.000134318	9.94573E-05	0.000104213	2.39204E-05	8.8089E-05	0.000130076
1236	9.45997E-05	9.96162E-05	3.04702E-05	8.5086E-05	0.00011974	9.62897E-05	0.000100899	2.30727E-05	8.5086E-05	0.000116605
1237	9.23555E-05	9.72335E-05	2.99956E-05	8.29226E-05	0.000119576	9.39487E-05	9.84296E-05	2.27703E-05	8.29226E-05	0.000116421
1238	8.98404E-05	9.46181E-05	2.87635E-05	8.1934E-05	0.000118705	9.17966E-05	9.62206E-05	2.15217E-05	8.1934E-05	0.000115444
1239	9.06392E-05	9.54944E-05	2.85721E-05	8.28088E-05	0.000131931	9.26801E-05	9.7174E-05	2.12963E-05	8.28088E-05	0.000127401
1240	9.60831E-05	0.000101247	3.00667E-05	8.76152E-05	0.00013002	9.82072E-05	0.000102978	2.242E-05	8.76152E-05	0.000125253
1241	0.000106153	0.000111914	3.24997E-05	9.6612E-05	0.000128491	0.00010848	0.000113787	2.41901E-05	9.6612E-05	0.000123535
1242	0.000121831	0.000128274	3.94705E-05	0.000107967	0.000127565	0.000123507	0.000129378	3.02554E-05	0.000107967	0.000122496
1243	0.000135553	0.000142278	4.95857E-05	0.000115737	9.73697E-05	0.000135795	0.000141858	3.94872E-05	0.000115737	9.43856E-05
1244	0.00013802	0.000144596	5.39555E-05	0.000115125	6.88149E-05	0.000137264	0.00014315	4.37748E-05	0.000115125	6.81644E-05
1245	0.000134088	0.000140417	5.31726E-05	0.000110402	5.33164E-05	0.000132866	0.000138504	4.33168E-05	0.000110402	5.36645E-05
1246	0.00012877	0.000135065	4.83019E-05	0.000104328	3.93092E-05	0.000127187	0.00013274	3.89741E-05	0.000104328	4.08798E-05
1247	0.000116451	0.000122347	4.10785E-05	9.69713E-05	3.8368E-05	0.000115944	0.000121205	3.23692E-05	9.69713E-05	3.98243E-05
1248	0.000105125	0.000110792	3.26828E-05	9.14884E-05	3.77786E-05	0.000106086	0.000111221	2.45109E-05	9.14884E-05	3.91633E-05
1249	8.81224E-05	9.31535E-05	2.38067E-05	8.04848E-05	3.79483E-05	9.02547E-05	9.48967E-05	1.65188E-05	8.04848E-05	3.93649E-05
1250	8.50631E-05	9.01164E-05	2.04629E-05	7.96987E-05	3.8054E-05	8.78579E-05	9.25503E-05	1.33203E-05	7.96987E-05	3.94852E-05
1251	8.37053E-05	8.87538E-05	1.91665E-05	7.95868E-05	3.85761E-05	8.68564E-05	9.15681E-05	1.20121E-05	7.95868E-05	4.00754E-05
1252	8.5702E-05	9.09011E-05	1.92366E-05	8.2168E-05	3.96037E-05	8.91563E-05	9.40238E-05	1.18377E-05	8.2168E-05	4.12338E-05
1253	9.16797E-05	9.71823E-05	2.13359E-05	8.80896E-05	4.1728E-05	9.53972E-05	0.000100564	1.33295E-05	8.80896E-05	4.36237E-05
1254	9.98022E-05	0.000105686	2.45831E-05	9.44445E-05	4.23675E-05	0.000103344	0.000108839	1.60572E-05	9.44445E-05	4.42921E-05
1255	0.000103756	0.000109634	2.86149E-05	9.81194E-05	0.000132772	0.000107287	0.000112797	1.97579E-05	9.81194E-05	0.000128422
1256	0.000100058	0.000105565	2.96522E-05	9.46101E-05	0.000132529	0.000103377	0.00010855	2.11995E-05	9.46101E-05	0.000128088
1257	9.82574E-05	0.000103589	3.01032E-05	9.16746E-05	0.000133152	0.000101092	0.000106076	2.19298E-05	9.16746E-05	0.000128775
1258	9.72542E-05	0.00010245	3.08337E-05	8.89192E-05	0.00013357	9.94553E-05	0.000104269	2.29884E-05	8.89192E-05	0.000129239
1259	9.72806E-05	0.000102421	3.15717E-05	8.76723E-05	0.000133836	9.90593E-05	0.000103791	2.38945E-05	8.76723E-05	0.000129537
1260	9.42797E-05	9.92759E-05	3.04095E-05	8.47049E-05	0.000119246	9.59336E-05	0.000100522	2.30511E-05	8.47049E-05	0.000116051
1261	9.20279E-05	9.68855E-05	2.99297E-05	8.25019E-05	0.000119095	9.3575E-05	9.80336E-05	2.27515E-05	8.25019E-05	0.000115883
1262	8.96774E-05	9.44468E-05	2.87069E-05	8.153E-05	0.000118278	9.15529E-05	9.59608E-05	2.15332E-05	8.153E-05	0.000114966
1263	9.03836E-05	9.52239E-05	2.8505E-05	8.23526E-05	0.000131595	9.23505E-05	9.68237E-05	2.12953E-05	8.23526E-05	0.000127025
1264	9.56871E-05	0.000100827	2.99782E-05	8.7035E-05	0.000129782	9.77343E-05	0.000102477	2.24049E-05	8.7035E-05	0.000124987
1265	0.000105684	0.000111417	3.24064E-05	9.60181E-05	0.00012829	0.000107948	0.000113223	2.41623E-05	9.60181E-05	0.000123311
1266	0.000121109	0.000127506	3.9332E-05	0.000107095	0.000127389	0.0001227	0.000128522	3.02078E-05	0.000107095	0.0001223
1267	0.000134798	0.000141475	4.94367E-05	0.00011479	9.72501E-05	0.000134941	0.000140953	3.94413E-05	0.00011479	9.42515E-05
1268	0.000137283	0.000143813	5.38152E-05	0.000114244	6.87432E-05	0.000136443	0.00014228	4.37254E-05	0.000114244	6.80844E-05
1269	0.000134917	0.000141318	5.30877E-05	0.000109743	5.32451E-05	0.000133289	0.000138954	4.33003E-05	0.000109743	5.3585E-05
1270	0.000128089	0.00013434	4.81763E-05	0.000103547	3.92198E-05	0.000126437	0.000131947	3.89248E-05	0.000103547	4.07799E-05
1271	0.000115779	0.000121632	4.09548E-05	9.62021E-05	3.83478E-05	0.000115205	0.000120423	3.23203E-05	9.62021E-05	3.98026E-05
1272	0.000104566	0.000110197	3.25737E-05	9.07983E-05	3.78623E-05	0.000105456	0.000110554	2.44756E-05	9.07983E-05	3.92589E-05
1273	8.81224E-05	9.31535E-05	2.38067E-05	8.04848E-05	3.79483E-05	9.02547E-05	9.48967E-05	1.65188E-05	8.04848E-05	3.93649E-05
1274	8.50631E-05	9.01164E-05	2.04629E-05	7.96987E-05	3.8054E-05	8.78579E-05	9.25503E-05	1.33203E-05	7.96987E-05	3.94852E-05
1275	8.37053E-05	8.87538E-05	1.91665E-05	7.95868E-05	3.85761E-05	8.68564E-05	9.15681E-05	1.20121E-05	7.95868E-05	4.00754E-05
1276	8.5702E-05	9.09011E-05	1.92366E-05	8.2168E-05	3.96037E-05	8.91563E-05	9.40238E-05	1.18377E-05	8.2168E-05	4.12338E-05
1277	9.16797E-05	9.71823E-05	2.13359E-05	8.80896E-05	4.1728E-05	9.53972E-05	0.000100564	1.33295E-05	8.80896E-05	4.36237E-05
1278	9.98022E-05	0.000105686	2.45831E-05	9.44445E-05	4.23675E-05	0.000103344	0.000108839	1.60572E-05	9.44445E-05	4.42921E-05
1279	0.000103756	0.000109634	2.86149E-05	9.81194E-05	0.000132772	0.000107287	0.000112797	1.97579E-05	9.81194E-05	0.000128422
1280	0.000100058	0.000105565	2.96522E-05	9.46101E-05	0.000132529	0.000103377	0.00010855	2.11995E-05	9.46101E-05	0.000128088
1281	9.82574E-05	0.000103589	3.01032E-05	9.16746E-05	0.000133152	0.000101092	0.000106076	2.19298E-05	9.16746E-05	0.000128775
1282	9.72542E-05	0.00010245	3.08337E-05	8.89192E-05	0.00013357	9.94553E-05	0.000104269	2.29884E-05	8.89192E-05	0.000129239
1283	9.72806E-05	0.000102421	3.15717E-05	8.76723E-05	0.000133836	9.90593E-05	0.000103791	2.38945E-05	8.76723E-05	0.000129537

1284	9.42797E-05	9.92759E-05	3.04095E-05	8.47049E-05	0.000119246	9.59336E-05	0.000100522	2.30511E-05	8.47049E-05	0.000116051
1285	9.20279E-05	9.68855E-05	2.99297E-05	8.25019E-05	0.000119095	9.3575E-05	9.80336E-05	2.27515E-05	8.25019E-05	0.000115883
1286	8.96774E-05	9.44468E-05	2.87069E-05	8.153E-05	0.000118278	9.15529E-05	9.59608E-05	2.15332E-05	8.153E-05	0.000114966
1287	9.03836E-05	9.52239E-05	2.8505E-05	8.23526E-05	0.000131595	9.23505E-05	9.68237E-05	2.12953E-05	8.23526E-05	0.000127025
1288	9.56871E-05	0.000100827	2.99782E-05	8.7035E-05	0.000129782	9.77343E-05	0.000102477	2.24049E-05	8.7035E-05	0.000124987
1289	0.000105684	0.000111417	3.24064E-05	9.60181E-05	0.00012829	0.000107948	0.000113223	2.41623E-05	9.60181E-05	0.000123311
1290	0.000121109	0.000127506	3.9332E-05	0.000107095	0.000127389	0.0001227	0.000128522	3.02078E-05	0.000107095	0.0001223
1291	0.000134798	0.000141475	4.94367E-05	0.00011479	9.72501E-05	0.000134941	0.000140953	3.94413E-05	0.00011479	9.42515E-05
1292	0.000137283	0.000143813	5.38152E-05	0.000114244	6.87432E-05	0.000136443	0.00014228	4.37254E-05	0.000114244	6.80844E-05
1293	0.000134917	0.000141318	5.30877E-05	0.000109743	5.32451E-05	0.000133289	0.000138954	4.33003E-05	0.000109743	5.3585E-05
1294	0.000128089	0.00013434	4.81763E-05	0.000103547	3.92198E-05	0.000126437	0.000131947	3.89248E-05	0.000103547	4.07799E-05
1295	0.000115779	0.000121632	4.09548E-05	9.62021E-05	3.83478E-05	0.000115205	0.000120423	3.23203E-05	9.62021E-05	3.98026E-05
1296	0.000104566	0.000110197	3.25737E-05	9.07983E-05	3.78623E-05	0.000105456	0.000110554	2.44756E-05	9.07983E-05	3.92589E-05
1297	8.81224E-05	9.31535E-05	2.38067E-05	8.04848E-05	3.79483E-05	9.02547E-05	9.48967E-05	1.65188E-05	8.04848E-05	3.93649E-05
1298	8.50631E-05	9.01164E-05	2.04629E-05	7.96987E-05	3.8054E-05	8.78579E-05	9.25503E-05	1.33203E-05	7.96987E-05	3.94852E-05
1299	8.37053E-05	8.87538E-05	1.91665E-05	7.95868E-05	3.85761E-05	8.68564E-05	9.15681E-05	1.20121E-05	7.95868E-05	4.00754E-05
1300	8.5702E-05	9.09011E-05	1.92366E-05	8.2168E-05	3.96037E-05	8.91563E-05	9.40238E-05	1.18377E-05	8.2168E-05	4.12338E-05
1301	9.16797E-05	9.71823E-05	2.13359E-05	8.80896E-05	4.1728E-05	9.53972E-05	0.000100564	1.33295E-05	8.80896E-05	4.36237E-05
1302	9.98022E-05	0.000105686	2.45831E-05	9.44445E-05	4.23675E-05	0.000103344	0.000108839	1.60572E-05	9.44445E-05	4.42921E-05
1303	0.000103756	0.000109634	2.86149E-05	9.81194E-05	0.000132772	0.000107287	0.000112797	1.97579E-05	9.81194E-05	0.000128422
1304	0.000100058	0.000105565	2.96522E-05	9.46101E-05	0.000132529	0.000103377	0.00010855	2.11995E-05	9.46101E-05	0.000128088
1305	9.82574E-05	0.000103589	3.01032E-05	9.16746E-05	0.000133152	0.000101092	0.000106076	2.19298E-05	9.16746E-05	0.000128775
1306	9.72542E-05	0.00010245	3.08337E-05	8.89192E-05	0.00013357	9.94553E-05	0.000104269	2.29884E-05	8.89192E-05	0.000129239
1307	9.72806E-05	0.000102421	3.15717E-05	8.76723E-05	0.000133836	9.90593E-05	0.000103791	2.38945E-05	8.76723E-05	0.000129537
1308	9.42797E-05	9.92759E-05	3.04095E-05	8.47049E-05	0.000119246	9.59336E-05	0.000100522	2.30511E-05	8.47049E-05	0.000116051
1309	9.20279E-05	9.68855E-05	2.99297E-05	8.25019E-05	0.000119095	9.3575E-05	9.80336E-05	2.27515E-05	8.25019E-05	0.000115883
1310	8.96774E-05	9.44468E-05	2.87069E-05	8.153E-05	0.000118278	9.15529E-05	9.59608E-05	2.15332E-05	8.153E-05	0.000114966
1311	9.03836E-05	9.52239E-05	2.8505E-05	8.23526E-05	0.000131595	9.23505E-05	9.68237E-05	2.12953E-05	8.23526E-05	0.000127025
1312	9.56871E-05	0.000100827	2.99782E-05	8.7035E-05	0.000129782	9.77343E-05	0.000102477	2.24049E-05	8.7035E-05	0.000124987
1313	0.000105684	0.000111417	3.24064E-05	9.60181E-05	0.00012829	0.000107948	0.000113223	2.41623E-05	9.60181E-05	0.000123311
1314	0.000121109	0.000127506	3.9332E-05	0.000107095	0.000127389	0.0001227	0.000128522	3.02078E-05	0.000107095	0.0001223
1315	0.000134798	0.000141475	4.94367E-05	0.00011479	9.72501E-05	0.000134941	0.000140953	3.94413E-05	0.00011479	9.42515E-05
1316	0.000137283	0.000143813	5.38152E-05	0.000114244	6.87432E-05	0.000136443	0.00014228	4.37254E-05	0.000114244	6.80844E-05
1317	0.000134917	0.000141318	5.30877E-05	0.000109743	5.32451E-05	0.000133289	0.000138954	4.33003E-05	0.000109743	5.3585E-05
1318	0.000128089	0.00013434	4.81763E-05	0.000103547	3.92198E-05	0.000126437	0.000131947	3.89248E-05	0.000103547	4.07799E-05
1319	0.000115779	0.000121632	4.09548E-05	9.62021E-05	3.83478E-05	0.000115205	0.000120423	3.23203E-05	9.62021E-05	3.98026E-05
1320	0.000104566	0.000110197	3.25737E-05	9.07983E-05	3.78623E-05	0.000105456	0.000110554	2.44756E-05	9.07983E-05	3.92589E-05
1321	8.81224E-05	9.31535E-05	2.38067E-05	8.04848E-05	3.79483E-05	9.02547E-05	9.48967E-05	1.65188E-05	8.04848E-05	3.93649E-05
1322	8.50631E-05	9.01164E-05	2.04629E-05	7.96987E-05	3.8054E-05	8.78579E-05	9.25503E-05	1.33203E-05	7.96987E-05	3.94852E-05
1323	8.37053E-05	8.87538E-05	1.91665E-05	7.95868E-05	3.85761E-05	8.68564E-05	9.15681E-05	1.20121E-05	7.95868E-05	4.00754E-05
1324	8.5702E-05	9.09011E-05	1.92366E-05	8.2168E-05	3.96037E-05	8.91563E-05	9.40238E-05	1.18377E-05	8.2168E-05	4.12338E-05
1325	9.16797E-05	9.71823E-05	2.13359E-05	8.80896E-05	4.1728E-05	9.53972E-05	0.000100564	1.33295E-05	8.80896E-05	4.36237E-05
1326	9.98022E-05	0.000105686	2.45831E-05	9.44445E-05	4.23675E-05	0.000103344	0.000108839	1.60572E-05	9.44445E-05	4.42921E-05
1327	0.000103756	0.000109634	2.86149E-05	9.81194E-05	0.000132772	0.000107287	0.000112797	1.97579E-05	9.81194E-05	0.000128422
1328	0.000100058	0.000105565	2.96522E-05	9.46101E-05	0.000132529	0.000103377	0.00010855	2.11995E-05	9.46101E-05	0.000128088
1329	9.82574E-05	0.000103589	3.01032E-05	9.16746E-05	0.000133152	0.000101092	0.000106076	2.19298E-05	9.16746E-05	0.000128775
1330	9.72542E-05	0.00010245	3.08337E-05	8.89192E-05	0.00013357	9.94553E-05	0.000104269	2.29884E-05	8.89192E-05	0.000129239
1331	9.72806E-05	0.000102421	3.15717E-05	8.76723E-05	0.000133836	9.90593E-05	0.000103791	2.38945E-05	8.76723E-05	0.000129537
1332	9.42797E-05	9.92759E-05	3.04095E-05	8.47049E-05	0.000119246	9.59336E-05	0.000100522	2.30511E-05	8.47049E-05	0.000116051
1333	9.20279E-05	9.68855E-05	2.99297E-05	8.25019E-05	0.000119095	9.3575E-05	9.80336E-05	2.27515E-05	8.25019E-05	0.000115883
1334	8.96774E-05	9.44468E-05	2.87069E-05	8.153E-05	0.000118278	9.15529E-05	9.59608E-05	2.15332E-05	8.153E-05	0.000114966
1335	9.03836E-05	9.52239E-05	2.8505E-05	8.23526E-05	0.000131595	9.23505E-05	9.68237E-05	2.12953E-05	8.23526E-05	0.000127025
1336	9.56871E-05	0.000100827	2.99782E-05	8.7035E-05	0.000129782	9.77343E-05	0.000102477	2.24049E-05	8.7035E-05	0.000124987
1337	0.000105684	0.000111417	3.24064E-05	9.60181E-05	0.00012829	0.000107948	0.000113223	2.41623E-05	9.60181E-05	0.000123311
1338	0.000121109	0.000127506	3.9332E-05	0.000107095	0.000127389	0.0001227	0.000128522	3.02078E-05	0.000107095	0.0001223
1339	0.000134798	0.000141475	4.94367E-05	0.00011479	9.72501E-05	0.000134941	0.000140953	3.94413E-05	0.00011479	9.42515E-05
1340	0.000137283	0.000143813	5.38152E-05	0.000114244	6.87432E-05	0.000136443	0.00014228	4.37254E-05	0.000114244	6.80844E-05
1341	0.000134917	0.000141318	5.30877E-05	0.000109743	5.32451E-05	0.000133289	0.000138954	4.33003E-05	0.000109743	5.3585E-05
1342	0.000128089	0.00013434	4.81763E-05	0.000103547	3.92198E-05	0.000126437	0.000131947	3.89248E-05	0.000103547	4.07799E-05
1343	0.000115779	0.000121632	4.09548E-05	9.62021E-05	3.83478E-05	0.000115205	0.000120423	3.23203E-05	9.62021E-05	3.98026E-05
1344	0.000104566	0.000110197	3.25737E-05	9.07983E-05	3.78623E-05	0.000105456	0.000110554	2.44756E-05	9.07983E-05	3.92589E-05
1345	8.81224E-05	9.31535E-05	2.38067E-05	8.04848E-05	3.79483E-05	9.02547E-05	9.48967E-05	1.65188E-05	8.04848E-05	3.93649E-05
1346	8.50631E-05	9.01164E-05	2.04629E-05	7.96987E-05	3.8054E-05	8.78579E-05	9.25503E-05	1.33203E-05	7.96987E-05	3.94852E-05
1347	8.37053E-05	8.87538E-05	1.91665E-05	7.95868E-05	3.85761E-05	8.68564E-05	9.15681E-05	1.20121E-05	7.95868E-05	4.00754E-05
1348	8.5702E-05	9.09011E-05	1.92366E-05	8.2168E-05	3.96037E-05	8.91563E-05	9.40238E-05	1.18377E-05	8.2168E-05	4.12338E-05
1349	9.16797E-05	9.71823E-05	2.13359E-05	8.80896E-05	4.1728E-05	9.53972E-05	0.000100564	1.33295E-05	8.80896E-05	4.36237E-05
1350	9.98022E-05	0.000105686	2.45831E-05	9.44445E-05	4.23675E-05	0.000103344	0.000108839	1.60572E-05	9.44445E-05	4.42921E-05
1351	0.000103756	0.000109634	2.86149E-05	9.81194E-05	0.000132772	0.000107287	0.000112797	1.97579E-05	9.81194E-05	0.000128422
1352	0.000100058	0.000105565	2.96522E-05	9.46101E-05	0.000132529	0.000103377	0.00010855	2.11995E-05	9.46101E-05	0.000128088
1353	9.82574E-05	0.000103589	3.01032E-05	9.16746E-05	0.000133152	0.000101092	0.000106076	2.19298E-05	9.16746E-05	0.000128775
1354	9.72542E-05	0.00010245	3.08337E-05	8.89192E-05	0.00013357	9.94553E-05	0.000104269	2.29884E-05	8.89192E-05	0.000129239
1355	9.72806E-05	0.000102421	3.15717E-05	8.76723E-05	0.000133836	9.90593E-05	0.000103791	2.38945E-05	8.76723E-05	0.000129537
1356	9.42797E-05	9.92759E-05	3.04095E-05	8.47049E-05	0.000119246	9.59336E-05	0.000100522	2.30511E-05	8.47049E-05	0.000116051
1357	9.20279E-05	9.68855E-05	2.99297E-05	8.25019E-05	0.000119095	9.3575E-05	9.80336E-05	2.27515E-05	8.25019E-05	0.000115883
1358	8.96774E-05	9.44468E-05	2.87069E-05	8.153E-05	0.000118278	9.15529E-05	9.59608E-05	2.15332E-05	8.153E-05	0.000114966
1359	9.03836E-05	9.52239E-05	2.8505E-05	8.23526E-05	0.000131595	9.23505E-05	9.68237E-05	2.12953E-05	8.23526E-05	0.000127025

1360	9.56871E-05	0.000100827	2.99782E-05	8.7035E-05	0.000129782	9.77343E-05	0.000102477	2.24049E-05	8.7035E-05	0.000124987
1361	0.000105684	0.000111417	3.24064E-05	9.60181E-05	0.00012829	0.000107948	0.000113223	2.41623E-05	9.60181E-05	0.000123311
1362	0.000121109	0.000127506	3.9332E-05	0.000107095	0.000127389	0.0001227	0.000128522	3.02078E-05	0.000107095	0.0001223
1363	0.000134798	0.000141475	4.94367E-05	0.00011479	9.72501E-05	0.000134941	0.000140953	3.94413E-05	0.00011479	9.42515E-05
1364	0.000137283	0.000143813	5.38152E-05	0.000114244	6.87432E-05	0.000136443	0.00014228	4.37254E-05	0.000114244	6.80844E-05
1365	0.000134917	0.000141318	5.30877E-05	0.000109743	5.32451E-05	0.000133289	0.000138954	4.33003E-05	0.000109743	5.3585E-05
1366	0.000128089	0.00013434	4.81763E-05	0.000103547	3.92198E-05	0.000126437	0.000131947	3.89248E-05	0.000103547	4.07799E-05
1367	0.000115779	0.000121632	4.09548E-05	9.62021E-05	3.83478E-05	0.000115205	0.000120423	3.23203E-05	9.62021E-05	3.98026E-05
1368	0.000104566	0.000110197	3.25737E-05	9.07983E-05	3.78623E-05	0.000105456	0.000110554	2.44756E-05	9.07983E-05	3.92589E-05
1369	8.89443E-05	9.40281E-05	2.39536E-05	8.13902E-05	3.77821E-05	9.11477E-05	9.58419E-05	1.65823E-05	8.13902E-05	3.91776E-05
1370	8.55512E-05	9.06348E-05	2.05635E-05	8.03459E-05	3.80923E-05	8.84208E-05	9.3147E-05	1.33462E-05	8.03459E-05	3.95281E-05
1371	8.41952E-05	8.92742E-05	1.92652E-05	8.02171E-05	3.86589E-05	8.74156E-05	9.21607E-05	1.20402E-05	8.02171E-05	4.01683E-05
1372	8.62286E-05	9.14614E-05	1.93325E-05	8.27627E-05	3.97041E-05	8.97328E-05	9.46341E-05	1.18768E-05	8.27627E-05	4.13467E-05
1373	9.23933E-05	9.79411E-05	2.14708E-05	8.89352E-05	4.1903E-05	9.61902E-05	0.000101403	1.33782E-05	8.89352E-05	4.38205E-05
1374	0.000100675	0.000106615	2.47433E-05	9.544E-05	4.26081E-05	0.000104303	0.000109854	1.6121E-05	9.544E-05	4.45627E-05
1375	0.000106218	0.000112271	2.88341E-05	9.9359E-05	0.000133041	0.000109513	0.000115158	1.98567E-05	9.9359E-05	0.000128724
1376	0.000100472	0.000106005	2.97454E-05	9.5223E-05	0.000132909	0.000103874	0.000109078	2.12148E-05	9.5223E-05	0.000128515
1377	9.86257E-05	0.000103979	3.0189E-05	9.22429E-05	0.000133612	0.000101541	0.000106552	2.19408E-05	9.22429E-05	0.000129291
1378	9.75692E-05	0.000102785	3.08919E-05	8.92821E-05	0.000134075	9.98022E-05	0.000104637	2.3011E-05	8.92821E-05	0.000129805
1379	9.76417E-05	0.000102805	3.16386E-05	8.8089E-05	0.000134318	9.94573E-05	0.000104213	2.39204E-05	8.8089E-05	0.000130076
1380	9.45997E-05	9.96162E-05	3.04702E-05	8.5086E-05	0.00011974	9.62897E-05	0.000100899	2.30727E-05	8.5086E-05	0.000116605
1381	9.23555E-05	9.72335E-05	2.99956E-05	8.29226E-05	0.000119576	9.39487E-05	9.84296E-05	2.27703E-05	8.29226E-05	0.000116421
1382	8.98404E-05	9.46181E-05	2.87635E-05	8.1934E-05	0.000118705	9.17966E-05	9.62206E-05	2.15217E-05	8.1934E-05	0.000115444
1383	9.06392E-05	9.54944E-05	2.85721E-05	8.28088E-05	0.000131931	9.26801E-05	9.7174E-05	2.12963E-05	8.28088E-05	0.000127401
1384	9.60831E-05	0.000101247	3.00667E-05	8.76152E-05	0.00013002	9.82072E-05	0.000102978	2.242E-05	8.76152E-05	0.000125253
1385	0.000106153	0.000111914	3.24997E-05	9.6612E-05	0.000128491	0.00010848	0.000113787	2.41901E-05	9.6612E-05	0.000123535
1386	0.000121831	0.000128274	3.94705E-05	0.000107967	0.000127565	0.000123507	0.000129378	3.02554E-05	0.000107967	0.000122496
1387	0.000135553	0.000142278	4.95857E-05	0.000115737	9.73697E-05	0.000135795	0.000141858	3.94872E-05	0.000115737	9.43856E-05
1388	0.00013802	0.000144596	5.39555E-05	0.000115125	6.88149E-05	0.000137264	0.00014315	4.37748E-05	0.000115125	6.81644E-05
1389	0.000134088	0.000140417	5.31726E-05	0.000110402	5.33164E-05	0.000132866	0.000138504	4.33168E-05	0.000110402	5.36645E-05
1390	0.00012877	0.000135065	4.83019E-05	0.000104328	3.93092E-05	0.000127187	0.00013274	3.89741E-05	0.000104328	4.08798E-05
1391	0.000116451	0.000122347	4.10785E-05	9.69713E-05	3.8368E-05	0.000115944	0.000121205	3.23692E-05	9.69713E-05	3.98243E-05
1392	0.000105125	0.000110792	3.26828E-05	9.14884E-05	3.77786E-05	0.000106086	0.000111221	2.45109E-05	9.14884E-05	3.91633E-05
1393	8.89443E-05	9.40281E-05	2.39536E-05	8.13902E-05	3.77821E-05	9.11477E-05	9.58419E-05	1.65823E-05	8.13902E-05	3.91776E-05
1394	8.55512E-05	9.06348E-05	2.05635E-05	8.03459E-05	3.80923E-05	8.84208E-05	9.3147E-05	1.33462E-05	8.03459E-05	3.95281E-05
1395	8.41952E-05	8.92742E-05	1.92652E-05	8.02171E-05	3.86589E-05	8.74156E-05	9.21607E-05	1.20402E-05	8.02171E-05	4.01683E-05
1396	8.62286E-05	9.14614E-05	1.93325E-05	8.27627E-05	3.97041E-05	8.97328E-05	9.46341E-05	1.18768E-05	8.27627E-05	4.13467E-05
1397	9.23933E-05	9.79411E-05	2.14708E-05	8.89352E-05	4.1903E-05	9.61902E-05	0.000101403	1.33782E-05	8.89352E-05	4.38205E-05
1398	0.000100675	0.000106615	2.47433E-05	9.544E-05	4.26081E-05	0.000104303	0.000109854	1.6121E-05	9.544E-05	4.45627E-05
1399	0.000106218	0.000112271	2.88341E-05	9.9359E-05	0.000133041	0.000109513	0.000115158	1.98567E-05	9.9359E-05	0.000128724
1400	0.000100472	0.000106005	2.97454E-05	9.5223E-05	0.000132909	0.000103874	0.000109078	2.12148E-05	9.5223E-05	0.000128515
1401	9.86257E-05	0.000103979	3.0189E-05	9.22429E-05	0.000133612	0.000101541	0.000106552	2.19408E-05	9.22429E-05	0.000129291
1402	9.75692E-05	0.000102785	3.08919E-05	8.92821E-05	0.000134075	9.98022E-05	0.000104637	2.3011E-05	8.92821E-05	0.000129805
1403	9.76417E-05	0.000102805	3.16386E-05	8.8089E-05	0.000134318	9.94573E-05	0.000104213	2.39204E-05	8.8089E-05	0.000130076
1404	9.45997E-05	9.96162E-05	3.04702E-05	8.5086E-05	0.00011974	9.62897E-05	0.000100899	2.30727E-05	8.5086E-05	0.000116605
1405	9.23555E-05	9.72335E-05	2.99956E-05	8.29226E-05	0.000119576	9.39487E-05	9.84296E-05	2.27703E-05	8.29226E-05	0.000116421
1406	8.98404E-05	9.46181E-05	2.87635E-05	8.1934E-05	0.000118705	9.17966E-05	9.62206E-05	2.15217E-05	8.1934E-05	0.000115444
1407	9.06392E-05	9.54944E-05	2.85721E-05	8.28088E-05	0.000131931	9.26801E-05	9.7174E-05	2.12963E-05	8.28088E-05	0.000127401
1408	9.60831E-05	0.000101247	3.00667E-05	8.76152E-05	0.00013002	9.82072E-05	0.000102978	2.242E-05	8.76152E-05	0.000125253
1409	0.000106153	0.000111914	3.24997E-05	9.6612E-05	0.000128491	0.00010848	0.000113787	2.41901E-05	9.6612E-05	0.000123535
1410	0.000121831	0.000128274	3.94705E-05	0.000107967	0.000127565	0.000123507	0.000129378	3.02554E-05	0.000107967	0.000122496
1411	0.000135553	0.000142278	4.95857E-05	0.000115737	9.73697E-05	0.000135795	0.000141858	3.94872E-05	0.000115737	9.43856E-05
1412	0.00013802	0.000144596	5.39555E-05	0.000115125	6.88149E-05	0.000137264	0.00014315	4.37748E-05	0.000115125	6.81644E-05
1413	0.000134088	0.000140417	5.31726E-05	0.000110402	5.33164E-05	0.000132866	0.000138504	4.33168E-05	0.000110402	5.36645E-05
1414	0.00012877	0.000135065	4.83019E-05	0.000104328	3.93092E-05	0.000127187	0.00013274	3.89741E-05	0.000104328	4.08798E-05
1415	0.000116451	0.000122347	4.10785E-05	9.69713E-05	3.8368E-05	0.000115944	0.000121205	3.23692E-05	9.69713E-05	3.98243E-05
1416	0.000105125	0.000110792	3.26828E-05	9.14884E-05	3.77786E-05	0.000106086	0.000111221	2.45109E-05	9.14884E-05	3.91633E-05
1417	2.26946E-05	2.40048E-05	5.94554E-06	2.0242E-05	3.79483E-05	2.28697E-05	2.40514E-05	4.09826E-06	2.0242E-05	3.93649E-05
1418	2.19356E-05	2.32513E-05	5.11586E-06	2.00469E-05	3.8054E-05	2.22765E-05	2.34706E-05	3.30809E-06	2.00469E-05	3.94852E-05
1419	2.15907E-05	2.29046E-05	4.79435E-06	2.00185E-05	3.85761E-05	2.20229E-05	2.32214E-05	2.98478E-06	2.00185E-05	4.00754E-05
1420	2.21097E-05	2.34627E-05	4.81299E-06	2.06675E-05	3.96037E-05	2.26069E-05	2.38449E-05	2.94211E-06	2.06675E-05	4.12338E-05
1421	2.36417E-05	2.50736E-05	5.33651E-06	2.21547E-05	4.1728E-05	2.41822E-05	2.5496E-05	3.31149E-06	2.21547E-05	4.36237E-05
1422	2.57372E-05	2.72698E-05	6.14473E-06	2.3754E-05	4.23675E-05	2.62015E-05	2.76E-05	3.98668E-06	2.3754E-05	4.42921E-05
1423	2.67694E-05	2.83045E-05	7.14461E-06	2.46769E-05	0.000132772	2.72115E-05	2.86161E-05	4.90009E-06	2.46769E-05	0.000128422
1424	2.58426E-05	2.72854E-05	7.39835E-06	2.37955E-05	0.000132529	2.62398E-05	2.75609E-05	5.2544E-06	2.37955E-05	0.000128088
1425	2.53704E-05	2.67676E-05	7.50878E-06	2.30573E-05	0.000133152	2.56585E-05	2.69317E-05	5.43436E-06	2.30573E-05	0.000128775
1426	2.51111E-05	2.64739E-05	7.68852E-06	2.23661E-05	0.00013357	2.52479E-05	2.64788E-05	5.69566E-06	2.23661E-05	0.000129239
1427	2.51176E-05	2.64667E-05	7.87086E-06	2.20538E-05	0.000133836	2.51508E-05	2.63615E-05	5.9195E-06	2.20538E-05	0.000129537
1428	2.43512E-05	2.5663E-05	7.58118E-06	2.13089E-05	0.000119246	2.43636E-05	2.55379E-05	5.71075E-06	2.13089E-05	0.000116051
1429	2.37659E-05	2.50413E-05	7.46118E-06	2.07543E-05	0.000119095	2.37627E-05	2.49038E-05	5.63628E-06	2.07543E-05	0.000115883
1430	2.31544E-05	2.44057E-05	7.15757E-06	2.05079E-05	0.000118278	2.32429E-05	2.43702E-05	5.33487E-06	2.05079E-05	0.000114966
1431	2.33448E-05	2.4615E-05	7.10785E-06	2.07159E-05	0.000131595	2.34504E-05	2.45945E-05	5.27635E-06	2.07159E-05	0.000127025
1432	2.47218E-05	2.60709E-05	7.47536E-06	2.1895E-05	0.000129782	2.48227E-05	2.60359E-05	5.55148E-06	2.1895E-05	0.000124987
1433	2.73238E-05	2.8829E-05	8.08163E-06	2.4158E-05	0.00012829	2.743E-05	2.87799E-05	5.98765E-06	2.4158E-05	0.000123311
1434	3.12982E-05	3.29796E-05	9.8042E-06	2.69461E-05	0.000127389	3.11779E-05	3.26696E-05	7.48361E-06	2.69461E-05	0.0001223
1435	3.47567E-05	3.65123E-05	1.23139E-05	2.88749E-05	9.72501E-05	3.42477E-05	3.5789E-05	9.7657E-06	2.88749E-05	9.42515E-05

1436	3.53485E-05	3.70654E-05	1.33996E-05	2.87327E-05	6.87432E-05	3.46033E-05	3.61004E-05	1.08236E-05	2.87327E-05	6.80844E-05
1437	3.46884E-05	3.63678E-05	1.32189E-05	2.75987E-05	5.32451E-05	3.37745E-05	3.5226E-05	1.07191E-05	2.75987E-05	5.3585E-05
1438	3.29117E-05	3.45475E-05	1.19997E-05	2.60411E-05	3.92198E-05	3.20242E-05	3.34335E-05	9.63842E-06	2.60411E-05	4.07799E-05
1439	2.97609E-05	3.12906E-05	1.02054E-05	2.41939E-05	3.83478E-05	2.91803E-05	3.05134E-05	8.00526E-06	2.41939E-05	3.98026E-05
1440	2.6918E-05	2.83881E-05	8.12441E-06	2.28377E-05	3.78623E-05	2.67271E-05	2.80278E-05	6.06628E-06	2.28377E-05	3.92589E-05
1441	7.57317E-05	7.99811E-05	2.14089E-05	6.52175E-05	3.75899E-05	7.63106E-05	8.01233E-05	1.57478E-05	6.52175E-05	3.89498E-05
1442	7.30273E-05	7.73204E-05	1.81445E-05	6.49918E-05	3.77435E-05	7.43499E-05	7.82402E-05	1.25543E-05	6.49918E-05	3.91251E-05
1443	7.29774E-05	7.73518E-05	1.70551E-05	6.61167E-05	3.84433E-05	7.4709E-05	7.86966E-05	1.13675E-05	6.61167E-05	3.99161E-05
1444	7.6501E-05	8.11257E-05	1.73794E-05	7.02305E-05	4.00953E-05	7.86236E-05	8.28602E-05	1.13266E-05	7.02305E-05	4.17761E-05
1445	8.33632E-05	8.83521E-05	1.95864E-05	7.67007E-05	4.23223E-05	8.5699E-05	9.02798E-05	1.2934E-05	7.67007E-05	4.4276E-05
1446	9.04876E-05	9.57899E-05	2.27042E-05	8.23303E-05	4.291E-05	9.26724E-05	9.75277E-05	1.55472E-05	8.23303E-05	4.48838E-05
1447	9.21437E-05	9.72899E-05	2.63557E-05	8.36803E-05	0.000133365	9.41798E-05	9.89093E-05	1.90532E-05	8.36803E-05	0.000129048
1448	8.78924E-05	9.26306E-05	2.73203E-05	7.97555E-05	0.000132723	8.97263E-05	9.40885E-05	2.0434E-05	7.97555E-05	0.000128268
1449	8.45297E-05	8.89927E-05	2.74746E-05	7.49455E-05	0.000133295	8.56986E-05	8.97677E-05	2.10612E-05	7.49455E-05	0.0001289
1450	8.33065E-05	8.76166E-05	2.82068E-05	7.22686E-05	0.000133601	8.39176E-05	8.78111E-05	2.20698E-05	7.22686E-05	0.000129234
1451	8.2727E-05	8.69421E-05	2.88417E-05	7.03862E-05	0.000134048	8.28728E-05	8.66466E-05	2.29269E-05	7.03862E-05	0.000129732
1452	8.07197E-05	8.48564E-05	2.78369E-05	6.83559E-05	0.00011951	8.07798E-05	8.44691E-05	2.21762E-05	6.83559E-05	0.000116306
1453	7.99092E-05	8.40022E-05	2.75858E-05	6.75059E-05	0.000119765	7.99176E-05	8.35629E-05	2.2013E-05	6.75059E-05	0.000116593
1454	7.77063E-05	8.17215E-05	2.63765E-05	6.66038E-05	0.000119307	7.80283E-05	8.16301E-05	2.08148E-05	6.66038E-05	0.00011608
1455	7.8537E-05	8.2625E-05	2.62767E-05	6.82193E-05	0.000132742	7.9156E-05	8.28476E-05	2.05157E-05	6.82193E-05	0.000128269
1456	8.26319E-05	8.69376E-05	2.75898E-05	7.20189E-05	0.000130661	8.33598E-05	8.7255E-05	2.14846E-05	7.20189E-05	0.000125934
1457	8.96407E-05	9.43446E-05	2.95075E-05	7.78927E-05	0.000128623	9.03807E-05	9.46231E-05	2.29926E-05	7.78927E-05	0.000123645
1458	0.000101131	0.00010624	3.58206E-05	8.53164E-05	0.000127403	0.000101059	0.000105617	2.86676E-05	8.53164E-05	0.000122276
1459	0.000113457	0.000118759	4.56828E-05	9.14132E-05	9.71757E-05	0.00011179	0.000116447	3.78175E-05	9.14132E-05	9.41399E-05
1460	0.000117701	0.000122968	5.03748E-05	9.2742E-05	6.87441E-05	0.000115185	0.000119776	4.22498E-05	9.2742E-05	6.80657E-05
1461	0.000116666	0.00012189	4.98825E-05	8.96865E-05	5.31573E-05	0.000113471	0.000117974	4.19293E-05	8.96865E-05	5.34709E-05
1462	0.00011032	0.000115427	4.50333E-05	8.38738E-05	3.89707E-05	0.000107099	0.000111474	3.76012E-05	8.38738E-05	4.04876E-05
1463	9.93702E-05	0.000104172	3.79904E-05	7.75718E-05	3.80758E-05	9.72098E-05	0.000101369	3.11433E-05	7.75718E-05	3.94855E-05
1464	8.89156E-05	9.35468E-05	2.97112E-05	7.28182E-05	3.76203E-05	8.82307E-05	9.2314E-05	2.33675E-05	7.28182E-05	3.89764E-05
1465	7.57317E-05	7.99811E-05	2.14089E-05	6.52175E-05	3.75899E-05	7.63106E-05	8.01233E-05	1.57478E-05	6.52175E-05	3.89498E-05
1466	7.30273E-05	7.73204E-05	1.81445E-05	6.49918E-05	3.77435E-05	7.43499E-05	7.82402E-05	1.25543E-05	6.49918E-05	3.91251E-05
1467	7.29774E-05	7.73518E-05	1.70551E-05	6.61167E-05	3.84433E-05	7.4709E-05	7.86966E-05	1.13675E-05	6.61167E-05	3.99161E-05
1468	7.6501E-05	8.11257E-05	1.73794E-05	7.02305E-05	4.00953E-05	7.86236E-05	8.28602E-05	1.13266E-05	7.02305E-05	4.17761E-05
1469	8.33632E-05	8.83521E-05	1.95864E-05	7.67007E-05	4.23223E-05	8.5699E-05	9.02798E-05	1.2934E-05	7.67007E-05	4.4276E-05
1470	9.04876E-05	9.57899E-05	2.27042E-05	8.23303E-05	4.291E-05	9.26724E-05	9.75277E-05	1.55472E-05	8.23303E-05	4.48838E-05
1471	9.21437E-05	9.72899E-05	2.63557E-05	8.36803E-05	0.000133365	9.41798E-05	9.89093E-05	1.90532E-05	8.36803E-05	0.000129048
1472	8.78924E-05	9.26306E-05	2.73203E-05	7.97555E-05	0.000132723	8.97263E-05	9.40885E-05	2.0434E-05	7.97555E-05	0.000128268
1473	8.45297E-05	8.89927E-05	2.74746E-05	7.49455E-05	0.000133295	8.56986E-05	8.97677E-05	2.10612E-05	7.49455E-05	0.0001289
1474	8.33065E-05	8.76166E-05	2.82068E-05	7.22686E-05	0.000133601	8.39176E-05	8.78111E-05	2.20698E-05	7.22686E-05	0.000129234
1475	8.2727E-05	8.69421E-05	2.88417E-05	7.03862E-05	0.000134048	8.28728E-05	8.66466E-05	2.29269E-05	7.03862E-05	0.000129732
1476	8.07197E-05	8.48564E-05	2.78369E-05	6.83559E-05	0.00011951	8.07798E-05	8.44691E-05	2.21762E-05	6.83559E-05	0.000116306
1477	7.99092E-05	8.40022E-05	2.75858E-05	6.75059E-05	0.000119765	7.99176E-05	8.35629E-05	2.2013E-05	6.75059E-05	0.000116593
1478	7.77063E-05	8.17215E-05	2.63765E-05	6.66038E-05	0.000119307	7.80283E-05	8.16301E-05	2.08148E-05	6.66038E-05	0.00011608
1479	7.8537E-05	8.2625E-05	2.62767E-05	6.82193E-05	0.000132742	7.9156E-05	8.28476E-05	2.05157E-05	6.82193E-05	0.000128269
1480	8.26319E-05	8.69376E-05	2.75898E-05	7.20189E-05	0.000130661	8.33598E-05	8.7255E-05	2.14846E-05	7.20189E-05	0.000125934
1481	8.96407E-05	9.43446E-05	2.95075E-05	7.78927E-05	0.000128623	9.03807E-05	9.46231E-05	2.29926E-05	7.78927E-05	0.000123645
1482	0.000101131	0.00010624	3.58206E-05	8.53164E-05	0.000127403	0.000101059	0.000105617	2.86676E-05	8.53164E-05	0.000122276
1483	0.000113457	0.000118759	4.56828E-05	9.14132E-05	9.71757E-05	0.00011179	0.000116447	3.78175E-05	9.14132E-05	9.41399E-05
1484	0.000117701	0.000122968	5.03748E-05	9.2742E-05	6.87441E-05	0.000115185	0.000119776	4.22498E-05	9.2742E-05	6.80657E-05
1485	0.000116666	0.00012189	4.98825E-05	8.96865E-05	5.31573E-05	0.000113471	0.000117974	4.19293E-05	8.96865E-05	5.34709E-05
1486	0.00011032	0.000115427	4.50333E-05	8.38738E-05	3.89707E-05	0.000107099	0.000111474	3.76012E-05	8.38738E-05	4.04876E-05
1487	9.93702E-05	0.000104172	3.79904E-05	7.75718E-05	3.80758E-05	9.72098E-05	0.000101369	3.11433E-05	7.75718E-05	3.94855E-05
1488	8.89156E-05	9.35468E-05	2.97112E-05	7.28182E-05	3.76203E-05	8.82307E-05	9.2314E-05	2.33675E-05	7.28182E-05	3.89764E-05
1489	7.57317E-05	7.99811E-05	2.14089E-05	6.52175E-05	3.75899E-05	7.63106E-05	8.01233E-05	1.57478E-05	6.52175E-05	3.89498E-05
1490	7.30273E-05	7.73204E-05	1.81445E-05	6.49918E-05	3.77435E-05	7.43499E-05	7.82402E-05	1.25543E-05	6.49918E-05	3.91251E-05
1491	7.29774E-05	7.73518E-05	1.70551E-05	6.61167E-05	3.84433E-05	7.4709E-05	7.86966E-05	1.13675E-05	6.61167E-05	3.99161E-05
1492	7.6501E-05	8.11257E-05	1.73794E-05	7.02305E-05	4.00953E-05	7.86236E-05	8.28602E-05	1.13266E-05	7.02305E-05	4.17761E-05
1493	8.33632E-05	8.83521E-05	1.95864E-05	7.67007E-05	4.23223E-05	8.5699E-05	9.02798E-05	1.2934E-05	7.67007E-05	4.4276E-05
1494	9.04876E-05	9.57899E-05	2.27042E-05	8.23303E-05	4.291E-05	9.26724E-05	9.75277E-05	1.55472E-05	8.23303E-05	4.48838E-05
1495	9.21437E-05	9.72899E-05	2.63557E-05	8.36803E-05	0.000133365	9.41798E-05	9.89093E-05	1.90532E-05	8.36803E-05	0.000129048
1496	8.78924E-05	9.26306E-05	2.73203E-05	7.97555E-05	0.000132723	8.97263E-05	9.40885E-05	2.0434E-05	7.97555E-05	0.000128268
1497	8.45297E-05	8.89927E-05	2.74746E-05	7.49455E-05	0.000133295	8.56986E-05	8.97677E-05	2.10612E-05	7.49455E-05	0.0001289
1498	8.33065E-05	8.76166E-05	2.82068E-05	7.22686E-05	0.000133601	8.39176E-05	8.78111E-05	2.20698E-05	7.22686E-05	0.000129234
1499	8.2727E-05	8.69421E-05	2.88417E-05	7.03862E-05	0.000134048	8.28728E-05	8.66466E-05	2.29269E-05	7.03862E-05	0.000129732
1500	8.07197E-05	8.48564E-05	2.78369E-05	6.83559E-05	0.00011951	8.07798E-05	8.44691E-05	2.21762E-05	6.83559E-05	0.000116306
1501	7.99092E-05	8.40022E-05	2.75858E-05	6.75059E-05	0.000119765	7.99176E-05	8.35629E-05	2.2013E-05	6.75059E-05	0.000116593
1502	7.77063E-05	8.17215E-05	2.63765E-05	6.66038E-05	0.000119307	7.80283E-05	8.16301E-05	2.08148E-05	6.66038E-05	0.00011608
1503	7.8537E-05	8.2625E-05	2.62767E-05	6.82193E-05	0.000132742	7.9156E-05	8.28476E-05	2.05157E-05	6.82193E-05	0.000128269
1504	8.26319E-05	8.69376E-05	2.75898E-05	7.20189E-05	0.000130661	8.33598E-05	8.7255E-05	2.14846E-05	7.20189E-05	0.000125934
1505	8.96407E-05	9.43446E-05	2.95075E-05	7.78927E-05	0.000128623	9.03807E-05	9.46231E-05	2.29926E-05	7.78927E-05	0.000123645
1506	0.000101131	0.00010624	3.58206E-05	8.53164E-05	0.000127403	0.000101059	0.000105617	2.86676E-05	8.53164E-05	0.000122276
1507	0.000113457	0.000118759	4.56828E-05	9.14132E-05	9.71757E-05	0.00011179	0.000116447	3.78175E-05	9.14132E-05	9.41399E-05
1508	0.000117701	0.000122968	5.03748E-05	9.2742E-05	6.87441E-05	0.000115185	0.000119776	4.22498E-05	9.2742E-05	6.80657E-05
1509	0.000116666	0.00012189	4.98825E-05	8.96865E-05	5.31573E-05	0.000113471	0.000117974	4.19293E-05	8.96865E-05	5.34709E-05
1510	0.00011032	0.000115427	4.50333E-05	8.38738E-05	3.89707E-05	0.000107099	0.000111474	3.76012E-05	8.38738E-05	4.04876E-05
1511	9.93702E-05	0.000104172	3.79904E-05	7.75718E-05	3.80758E-05	9.72098E-05	0.000101369	3.11433E-05	7.75718E-05	3.94855E-05

1512	8.89156E-05	9.35468E-05	2.97112E-05	7.28182E-05	3.76203E-05	8.82307E-05	9.2314E-05	2.33675E-05	7.28182E-05	3.89764E-05
1513	7.57317E-05	7.99811E-05	2.14089E-05	6.52175E-05	3.75899E-05	7.63106E-05	8.01233E-05	1.57478E-05	6.52175E-05	3.89498E-05
1514	7.30273E-05	7.73204E-05	1.81445E-05	6.49918E-05	3.77435E-05	7.43499E-05	7.82402E-05	1.25543E-05	6.49918E-05	3.91251E-05
1515	7.29774E-05	7.73518E-05	1.70551E-05	6.61167E-05	3.84433E-05	7.4709E-05	7.86966E-05	1.13675E-05	6.61167E-05	3.99161E-05
1516	7.6501E-05	8.11257E-05	1.73794E-05	7.02305E-05	4.00953E-05	7.86236E-05	8.28602E-05	1.13266E-05	7.02305E-05	4.17761E-05
1517	8.33632E-05	8.83521E-05	1.95864E-05	7.67007E-05	4.23223E-05	8.5699E-05	9.02798E-05	1.2934E-05	7.67007E-05	4.4276E-05
1518	9.04876E-05	9.57899E-05	2.27042E-05	8.23303E-05	4.291E-05	9.26724E-05	9.75277E-05	1.55472E-05	8.23303E-05	4.48838E-05
1519	9.21437E-05	9.72899E-05	2.63557E-05	8.36803E-05	0.000133365	9.41798E-05	9.89093E-05	1.90532E-05	8.36803E-05	0.000129048
1520	8.78924E-05	9.26306E-05	2.73203E-05	7.97555E-05	0.000132723	8.97263E-05	9.40885E-05	2.0434E-05	7.97555E-05	0.000128268
1521	8.45297E-05	8.89927E-05	2.74746E-05	7.49455E-05	0.000133295	8.56986E-05	8.97677E-05	2.10612E-05	7.49455E-05	0.0001289
1522	8.33065E-05	8.76166E-05	2.82068E-05	7.22686E-05	0.000133601	8.39176E-05	8.78111E-05	2.20698E-05	7.22686E-05	0.000129234
1523	8.2727E-05	8.69421E-05	2.88417E-05	7.03862E-05	0.000134048	8.28728E-05	8.66466E-05	2.29269E-05	7.03862E-05	0.000129732
1524	8.07197E-05	8.48564E-05	2.78369E-05	6.83559E-05	0.00011951	8.07798E-05	8.44691E-05	2.21762E-05	6.83559E-05	0.000116306
1525	7.99092E-05	8.40022E-05	2.75858E-05	6.75059E-05	0.000119765	7.99176E-05	8.35629E-05	2.2013E-05	6.75059E-05	0.000116593
1526	7.77063E-05	8.17215E-05	2.63765E-05	6.66038E-05	0.000119307	7.80283E-05	8.16301E-05	2.08148E-05	6.66038E-05	0.00011608
1527	7.8537E-05	8.2625E-05	2.62767E-05	6.82193E-05	0.000132742	7.9156E-05	8.28476E-05	2.05157E-05	6.82193E-05	0.000128269
1528	8.26319E-05	8.69376E-05	2.75898E-05	7.20189E-05	0.000130661	8.33598E-05	8.7255E-05	2.14846E-05	7.20189E-05	0.000125934
1529	8.96407E-05	9.43446E-05	2.95075E-05	7.78927E-05	0.000128623	9.03807E-05	9.46231E-05	2.29926E-05	7.78927E-05	0.000123645
1530	0.000101131	0.00010624	3.58206E-05	8.53164E-05	0.000127403	0.000101059	0.000105617	2.86676E-05	8.53164E-05	0.000122276
1531	0.000113457	0.000118759	4.56828E-05	9.14132E-05	9.71757E-05	0.00011179	0.000116447	3.78175E-05	9.14132E-05	9.41399E-05
1532	0.000117701	0.000122968	5.03748E-05	9.2742E-05	6.87441E-05	0.000115185	0.000119776	4.22498E-05	9.2742E-05	6.80657E-05
1533	0.000116666	0.00012189	4.98825E-05	8.96865E-05	5.31573E-05	0.000113471	0.000117974	4.19293E-05	8.96865E-05	5.34709E-05
1534	0.00011032	0.000115427	4.50333E-05	8.38738E-05	3.89707E-05	0.000107099	0.000111474	3.76012E-05	8.38738E-05	4.04876E-05
1535	9.93702E-05	0.000104172	3.79904E-05	7.75718E-05	3.80758E-05	9.72098E-05	0.000101369	3.11433E-05	7.75718E-05	3.94855E-05
1536	8.89156E-05	9.35468E-05	2.97112E-05	7.28182E-05	3.76203E-05	8.82307E-05	9.2314E-05	2.33675E-05	7.28182E-05	3.89764E-05
1537	7.56953E-05	7.99423E-05	2.14018E-05	6.51725E-05	3.75325E-05	7.62696E-05	8.00798E-05	1.57455E-05	6.51725E-05	3.88869E-05
1538	7.3318E-05	7.76295E-05	1.82003E-05	6.53429E-05	3.7719E-05	7.46749E-05	7.85845E-05	1.25735E-05	6.53429E-05	3.90984E-05
1539	7.32834E-05	7.76772E-05	1.71131E-05	6.64804E-05	3.84352E-05	7.50494E-05	7.90571E-05	1.13882E-05	6.64804E-05	3.99083E-05
1540	7.68372E-05	8.14834E-05	1.74417E-05	7.06187E-05	4.00782E-05	7.89942E-05	8.32527E-05	1.13507E-05	7.06187E-05	4.17583E-05
1541	8.3746E-05	8.87592E-05	1.96582E-05	7.71497E-05	4.23025E-05	8.6123E-05	9.07289E-05	1.29606E-05	7.71497E-05	4.42553E-05
1542	9.07929E-05	9.61146E-05	2.27616E-05	8.26893E-05	4.28841E-05	9.30108E-05	9.78861E-05	1.55683E-05	8.26893E-05	4.48562E-05
1543	9.40783E-05	9.93667E-05	2.64735E-05	8.42807E-05	0.000133343	9.58158E-05	0.000100644	1.91172E-05	8.42807E-05	0.000129025
1544	8.8341E-05	9.31076E-05	2.74059E-05	8.02942E-05	0.000132703	9.0227E-05	9.46188E-05	2.04639E-05	8.02942E-05	0.000128248
1545	8.50362E-05	8.95311E-05	2.75741E-05	7.55761E-05	0.000133288	8.62705E-05	9.03737E-05	2.10925E-05	7.55761E-05	0.000128893
1546	8.38128E-05	8.8155E-05	2.83036E-05	7.28782E-05	0.0001336	8.44831E-05	8.84101E-05	2.21034E-05	7.28782E-05	0.000129233
1547	8.31622E-05	8.74048E-05	2.89254E-05	7.09137E-05	0.000134044	8.33599E-05	8.71626E-05	2.29553E-05	7.09137E-05	0.000129729
1548	8.11278E-05	8.52902E-05	2.79165E-05	6.88602E-05	0.000119506	8.12394E-05	8.49561E-05	2.22019E-05	6.88602E-05	0.000116301
1549	8.03881E-05	8.45115E-05	2.76758E-05	6.80692E-05	0.000119777	8.04486E-05	8.41252E-05	2.20461E-05	6.80692E-05	0.000116606
1550	7.81026E-05	8.21431E-05	2.64493E-05	6.70563E-05	0.000119337	7.84637E-05	8.2091E-05	2.08437E-05	6.70563E-05	0.000116114
1551	7.884E-05	8.29471E-05	2.63356E-05	6.85919E-05	0.000132765	7.94968E-05	8.32087E-05	2.05349E-05	6.85919E-05	0.000128296
1552	8.29339E-05	8.72582E-05	2.76532E-05	7.24283E-05	0.000130668	8.37107E-05	8.76271E-05	2.14996E-05	7.24283E-05	0.000125942
1553	8.99822E-05	9.47071E-05	2.95789E-05	7.83539E-05	0.000128621	9.0777E-05	9.50432E-05	2.30098E-05	7.83539E-05	0.000123644
1554	0.000101501	0.000106633	3.58973E-05	8.58101E-05	0.0001274	0.000101487	0.00010607	2.8687E-05	8.58101E-05	0.000122272
1555	0.000113848	0.000119174	4.5761E-05	9.1912E-05	9.71712E-05	0.000112235	0.000116918	3.78403E-05	9.1912E-05	9.41355E-05
1556	0.000118158	0.000123453	5.04668E-05	9.33297E-05	6.87338E-05	0.000115706	0.000120328	4.2276E-05	9.33297E-05	6.8055E-05
1557	0.000115618	0.000120756	4.99417E-05	9.02132E-05	5.31374E-05	0.000112843	0.000117308	4.19175E-05	9.02132E-05	5.34499E-05
1558	0.00011094	0.000116086	4.51556E-05	8.46498E-05	3.89419E-05	0.0001078	0.000112217	3.76392E-05	8.46498E-05	4.04568E-05
1559	0.000100152	0.000105004	3.81369E-05	7.84875E-05	3.80436E-05	9.80758E-05	0.000102286	3.11979E-05	7.84875E-05	3.94509E-05
1560	8.92996E-05	9.3955E-05	2.97861E-05	7.32925E-05	3.753E-05	8.86632E-05	9.27723E-05	2.33916E-05	7.32925E-05	3.88772E-05
1561	7.56953E-05	7.99423E-05	2.14018E-05	6.51725E-05	3.75325E-05	7.62696E-05	8.00798E-05	1.57455E-05	6.51725E-05	3.88869E-05
1562	7.3318E-05	7.76295E-05	1.82003E-05	6.53429E-05	3.7719E-05	7.46749E-05	7.85845E-05	1.25735E-05	6.53429E-05	3.90984E-05
1563	7.32834E-05	7.76772E-05	1.71131E-05	6.64804E-05	3.84352E-05	7.50494E-05	7.90571E-05	1.13882E-05	6.64804E-05	3.99083E-05
1564	7.68372E-05	8.14834E-05	1.74417E-05	7.06187E-05	4.00782E-05	7.89942E-05	8.32527E-05	1.13507E-05	7.06187E-05	4.17583E-05
1565	8.3746E-05	8.87592E-05	1.96582E-05	7.71497E-05	4.23025E-05	8.6123E-05	9.07289E-05	1.29606E-05	7.71497E-05	4.42553E-05
1566	9.07929E-05	9.61146E-05	2.27616E-05	8.26893E-05	4.28841E-05	9.30108E-05	9.78861E-05	1.55683E-05	8.26893E-05	4.48562E-05
1567	9.40783E-05	9.93667E-05	2.64735E-05	8.42807E-05	0.000133343	9.58158E-05	0.000100644	1.91172E-05	8.42807E-05	0.000129025
1568	8.8341E-05	9.31076E-05	2.74059E-05	8.02942E-05	0.000132703	9.0227E-05	9.46188E-05	2.04639E-05	8.02942E-05	0.000128248
1569	8.50362E-05	8.95311E-05	2.75741E-05	7.55761E-05	0.000133288	8.62705E-05	9.03737E-05	2.10925E-05	7.55761E-05	0.000128893
1570	8.38128E-05	8.8155E-05	2.83036E-05	7.28782E-05	0.0001336	8.44831E-05	8.84101E-05	2.21034E-05	7.28782E-05	0.000129233
1571	8.31622E-05	8.74048E-05	2.89254E-05	7.09137E-05	0.000134044	8.33599E-05	8.71626E-05	2.29553E-05	7.09137E-05	0.000129729
1572	8.11278E-05	8.52902E-05	2.79165E-05	6.88602E-05	0.000119506	8.12394E-05	8.49561E-05	2.22019E-05	6.88602E-05	0.000116301
1573	8.03881E-05	8.45115E-05	2.76758E-05	6.80692E-05	0.000119777	8.04486E-05	8.41252E-05	2.20461E-05	6.80692E-05	0.000116606
1574	7.81026E-05	8.21431E-05	2.64493E-05	6.70563E-05	0.000119337	7.84637E-05	8.2091E-05	2.08437E-05	6.70563E-05	0.000116114
1575	7.884E-05	8.29471E-05	2.63356E-05	6.85919E-05	0.000132765	7.94968E-05	8.32087E-05	2.05349E-05	6.85919E-05	0.000128296
1576	8.29339E-05	8.72582E-05	2.76532E-05	7.24283E-05	0.000130668	8.37107E-05	8.76271E-05	2.14996E-05	7.24283E-05	0.000125942
1577	8.99822E-05	9.47071E-05	2.95789E-05	7.83539E-05	0.000128621	9.0777E-05	9.50432E-05	2.30098E-05	7.83539E-05	0.000123644
1578	0.000101501	0.000106633	3.58973E-05	8.58101E-05	0.0001274	0.000101487	0.00010607	2.8687E-05	8.58101E-05	0.000122272
1579	0.000113848	0.000119174	4.5761E-05	9.1912E-05	9.71712E-05	0.000112235	0.000116918	3.78403E-05	9.1912E-05	9.41355E-05
1580	0.000118158	0.000123453	5.04668E-05	9.33297E-05	6.87338E-05	0.000115706	0.000120328	4.2276E-05	9.33297E-05	6.8055E-05
1581	0.000115618	0.000120756	4.99417E-05	9.02132E-05	5.31374E-05	0.000112843	0.000117308	4.19175E-05	9.02132E-05	5.34499E-05
1582	0.00011094	0.000116086	4.51556E-05	8.46498E-05	3.89419E-05	0.0001078	0.000112217	3.76392E-05	8.46498E-05	4.04568E-05
1583	0.000100152	0.000105004	3.81369E-05	7.84875E-05	3.80436E-05	9.80758E-05	0.000102286	3.11979E-05	7.84875E-05	3.94509E-05
1584	8.92996E-05	9.3955E-05	2.97861E-05	7.32925E-05	3.753E-05	8.86632E-05	9.27723E-05	2.33916E-05	7.32925E-05	3.88772E-05
1585	7.57317E-05	7.99811E-05	2.14089E-05	6.52175E-05	3.75899E-05	7.63106E-05	8.01233E-05	1.57478E-05	6.52175E-05	3.89498E-05
1586	7.30273E-05	7.73204E-05	1.81445E-05	6.49918E-05	3.77435E-05	7.43499E-05	7.82402E-05	1.25543E-05	6.49918E-05	3.91251E-05
1587	7.29774E-05	7.73518E-05	1.70551E-05	6.61167E-05	3.84433E-05	7.4709E-05	7.86966E-05	1.13675E-05	6.61167E-05	3.99161E-05

1588	7.6501E-05	8.11257E-05	1.73794E-05	7.02305E-05	4.00953E-05	7.86236E-05	8.28602E-05	1.13266E-05	7.02305E-05	4.17761E-05
1589	8.33632E-05	8.83521E-05	1.95864E-05	7.67007E-05	4.23223E-05	8.5699E-05	9.02798E-05	1.2934E-05	7.67007E-05	4.4276E-05
1590	9.04876E-05	9.57899E-05	2.27042E-05	8.23303E-05	4.291E-05	9.26724E-05	9.75277E-05	1.55472E-05	8.23303E-05	4.48838E-05
1591	9.21437E-05	9.72899E-05	2.63557E-05	8.36803E-05	0.000133365	9.41798E-05	9.89093E-05	1.90532E-05	8.36803E-05	0.000129048
1592	8.78924E-05	9.26306E-05	2.73203E-05	7.97555E-05	0.000132723	8.97263E-05	9.40885E-05	2.0434E-05	7.97555E-05	0.000128268
1593	8.45297E-05	8.89927E-05	2.74746E-05	7.49455E-05	0.000133295	8.56986E-05	8.97677E-05	2.10612E-05	7.49455E-05	0.0001289
1594	8.33065E-05	8.76166E-05	2.82068E-05	7.22686E-05	0.000133601	8.39176E-05	8.78111E-05	2.20698E-05	7.22686E-05	0.000129234
1595	8.2727E-05	8.69421E-05	2.88417E-05	7.03862E-05	0.000134048	8.28728E-05	8.66466E-05	2.29269E-05	7.03862E-05	0.000129732
1596	8.07197E-05	8.48564E-05	2.78369E-05	6.83559E-05	0.00011951	8.07798E-05	8.44691E-05	2.21762E-05	6.83559E-05	0.000116306
1597	7.99092E-05	8.40022E-05	2.75858E-05	6.75059E-05	0.000119765	7.99176E-05	8.35629E-05	2.2013E-05	6.75059E-05	0.000116593
1598	7.77063E-05	8.17215E-05	2.63765E-05	6.66038E-05	0.000119307	7.80283E-05	8.16301E-05	2.08148E-05	6.66038E-05	0.00011608
1599	7.8537E-05	8.2625E-05	2.62767E-05	6.82193E-05	0.000132742	7.9156E-05	8.28476E-05	2.05157E-05	6.82193E-05	0.000128269
1600	8.26319E-05	8.69376E-05	2.75898E-05	7.20189E-05	0.000130661	8.33598E-05	8.7255E-05	2.14846E-05	7.20189E-05	0.000125934
1601	8.96407E-05	9.43446E-05	2.95075E-05	7.78927E-05	0.000128623	9.03807E-05	9.46231E-05	2.29926E-05	7.78927E-05	0.000123645
1602	0.000101131	0.00010624	3.58206E-05	8.53164E-05	0.000127403	0.000101059	0.000105617	2.86676E-05	8.53164E-05	0.000122276
1603	0.000113457	0.000118759	4.56828E-05	9.14132E-05	9.71757E-05	0.00011179	0.000116447	3.78175E-05	9.14132E-05	9.41399E-05
1604	0.000117701	0.000122968	5.03748E-05	9.2742E-05	6.87441E-05	0.000115185	0.000119776	4.22498E-05	9.2742E-05	6.80657E-05
1605	0.000116666	0.00012189	4.98825E-05	8.96865E-05	5.31573E-05	0.000113471	0.000117974	4.19293E-05	8.96865E-05	5.34709E-05
1606	0.00011032	0.000115427	4.50333E-05	8.38738E-05	3.89707E-05	0.000107099	0.000111474	3.76012E-05	8.38738E-05	4.04876E-05
1607	9.93702E-05	0.000104172	3.79904E-05	7.75718E-05	3.80758E-05	9.72098E-05	0.000101369	3.11433E-05	7.75718E-05	3.94855E-05
1608	8.89156E-05	9.35468E-05	2.97112E-05	7.28182E-05	3.76203E-05	8.82307E-05	9.2314E-05	2.33675E-05	7.28182E-05	3.89764E-05
1609	7.57317E-05	7.99811E-05	2.14089E-05	6.52175E-05	3.75899E-05	7.63106E-05	8.01233E-05	1.57478E-05	6.52175E-05	3.89498E-05
1610	7.30273E-05	7.73204E-05	1.81445E-05	6.49918E-05	3.77435E-05	7.43499E-05	7.82402E-05	1.25543E-05	6.49918E-05	3.91251E-05
1611	7.29774E-05	7.73518E-05	1.70551E-05	6.61167E-05	3.84433E-05	7.4709E-05	7.86966E-05	1.13675E-05	6.61167E-05	3.99161E-05
1612	7.6501E-05	8.11257E-05	1.73794E-05	7.02305E-05	4.00953E-05	7.86236E-05	8.28602E-05	1.13266E-05	7.02305E-05	4.17761E-05
1613	8.33632E-05	8.83521E-05	1.95864E-05	7.67007E-05	4.23223E-05	8.5699E-05	9.02798E-05	1.2934E-05	7.67007E-05	4.4276E-05
1614	9.04876E-05	9.57899E-05	2.27042E-05	8.23303E-05	4.291E-05	9.26724E-05	9.75277E-05	1.55472E-05	8.23303E-05	4.48838E-05
1615	9.21437E-05	9.72899E-05	2.63557E-05	8.36803E-05	0.000133365	9.41798E-05	9.89093E-05	1.90532E-05	8.36803E-05	0.000129048
1616	8.78924E-05	9.26306E-05	2.73203E-05	7.97555E-05	0.000132723	8.97263E-05	9.40885E-05	2.0434E-05	7.97555E-05	0.000128268
1617	8.45297E-05	8.89927E-05	2.74746E-05	7.49455E-05	0.000133295	8.56986E-05	8.97677E-05	2.10612E-05	7.49455E-05	0.0001289
1618	8.33065E-05	8.76166E-05	2.82068E-05	7.22686E-05	0.000133601	8.39176E-05	8.78111E-05	2.20698E-05	7.22686E-05	0.000129234
1619	8.2727E-05	8.69421E-05	2.88417E-05	7.03862E-05	0.000134048	8.28728E-05	8.66466E-05	2.29269E-05	7.03862E-05	0.000129732
1620	8.07197E-05	8.48564E-05	2.78369E-05	6.83559E-05	0.00011951	8.07798E-05	8.44691E-05	2.21762E-05	6.83559E-05	0.000116306
1621	7.99092E-05	8.40022E-05	2.75858E-05	6.75059E-05	0.000119765	7.99176E-05	8.35629E-05	2.2013E-05	6.75059E-05	0.000116593
1622	7.77063E-05	8.17215E-05	2.63765E-05	6.66038E-05	0.000119307	7.80283E-05	8.16301E-05	2.08148E-05	6.66038E-05	0.00011608
1623	7.8537E-05	8.2625E-05	2.62767E-05	6.82193E-05	0.000132742	7.9156E-05	8.28476E-05	2.05157E-05	6.82193E-05	0.000128269
1624	8.26319E-05	8.69376E-05	2.75898E-05	7.20189E-05	0.000130661	8.33598E-05	8.7255E-05	2.14846E-05	7.20189E-05	0.000125934
1625	8.96407E-05	9.43446E-05	2.95075E-05	7.78927E-05	0.000128623	9.03807E-05	9.46231E-05	2.29926E-05	7.78927E-05	0.000123645
1626	0.000101131	0.00010624	3.58206E-05	8.53164E-05	0.000127403	0.000101059	0.000105617	2.86676E-05	8.53164E-05	0.000122276
1627	0.000113457	0.000118759	4.56828E-05	9.14132E-05	9.71757E-05	0.00011179	0.000116447	3.78175E-05	9.14132E-05	9.41399E-05
1628	0.000117701	0.000122968	5.03748E-05	9.2742E-05	6.87441E-05	0.000115185	0.000119776	4.22498E-05	9.2742E-05	6.80657E-05
1629	0.000116666	0.00012189	4.98825E-05	8.96865E-05	5.31573E-05	0.000113471	0.000117974	4.19293E-05	8.96865E-05	5.34709E-05
1630	0.00011032	0.000115427	4.50333E-05	8.38738E-05	3.89707E-05	0.000107099	0.000111474	3.76012E-05	8.38738E-05	4.04876E-05
1631	9.93702E-05	0.000104172	3.79904E-05	7.75718E-05	3.80758E-05	9.72098E-05	0.000101369	3.11433E-05	7.75718E-05	3.94855E-05
1632	8.89156E-05	9.35468E-05	2.97112E-05	7.28182E-05	3.76203E-05	8.82307E-05	9.2314E-05	2.33675E-05	7.28182E-05	3.89764E-05
1633	7.57317E-05	7.99811E-05	2.14089E-05	6.52175E-05	3.75899E-05	7.63106E-05	8.01233E-05	1.57478E-05	6.52175E-05	3.89498E-05
1634	7.30273E-05	7.73204E-05	1.81445E-05	6.49918E-05	3.77435E-05	7.43499E-05	7.82402E-05	1.25543E-05	6.49918E-05	3.91251E-05
1635	7.29774E-05	7.73518E-05	1.70551E-05	6.61167E-05	3.84433E-05	7.4709E-05	7.86966E-05	1.13675E-05	6.61167E-05	3.99161E-05
1636	7.6501E-05	8.11257E-05	1.73794E-05	7.02305E-05	4.00953E-05	7.86236E-05	8.28602E-05	1.13266E-05	7.02305E-05	4.17761E-05
1637	8.33632E-05	8.83521E-05	1.95864E-05	7.67007E-05	4.23223E-05	8.5699E-05	9.02798E-05	1.2934E-05	7.67007E-05	4.4276E-05
1638	9.04876E-05	9.57899E-05	2.27042E-05	8.23303E-05	4.291E-05	9.26724E-05	9.75277E-05	1.55472E-05	8.23303E-05	4.48838E-05
1639	9.21437E-05	9.72899E-05	2.63557E-05	8.36803E-05	0.000133365	9.41798E-05	9.89093E-05	1.90532E-05	8.36803E-05	0.000129048
1640	8.78924E-05	9.26306E-05	2.73203E-05	7.97555E-05	0.000132723	8.97263E-05	9.40885E-05	2.0434E-05	7.97555E-05	0.000128268
1641	8.45297E-05	8.89927E-05	2.74746E-05	7.49455E-05	0.000133295	8.56986E-05	8.97677E-05	2.10612E-05	7.49455E-05	0.0001289
1642	8.33065E-05	8.76166E-05	2.82068E-05	7.22686E-05	0.000133601	8.39176E-05	8.78111E-05	2.20698E-05	7.22686E-05	0.000129234
1643	8.2727E-05	8.69421E-05	2.88417E-05	7.03862E-05	0.000134048	8.28728E-05	8.66466E-05	2.29269E-05	7.03862E-05	0.000129732
1644	8.07197E-05	8.48564E-05	2.78369E-05	6.83559E-05	0.00011951	8.07798E-05	8.44691E-05	2.21762E-05	6.83559E-05	0.000116306
1645	7.99092E-05	8.40022E-05	2.75858E-05	6.75059E-05	0.000119765	7.99176E-05	8.35629E-05	2.2013E-05	6.75059E-05	0.000116593
1646	7.77063E-05	8.17215E-05	2.63765E-05	6.66038E-05	0.000119307	7.80283E-05	8.16301E-05	2.08148E-05	6.66038E-05	0.00011608
1647	7.8537E-05	8.2625E-05	2.62767E-05	6.82193E-05	0.000132742	7.9156E-05	8.28476E-05	2.05157E-05	6.82193E-05	0.000128269
1648	8.26319E-05	8.69376E-05	2.75898E-05	7.20189E-05	0.000130661	8.33598E-05	8.7255E-05	2.14846E-05	7.20189E-05	0.000125934
1649	8.96407E-05	9.43446E-05	2.95075E-05	7.78927E-05	0.000128623	9.03807E-05	9.46231E-05	2.29926E-05	7.78927E-05	0.000123645
1650	0.000101131	0.00010624	3.58206E-05	8.53164E-05	0.000127403	0.000101059	0.000105617	2.86676E-05	8.53164E-05	0.000122276
1651	0.000113457	0.000118759	4.56828E-05	9.14132E-05	9.71757E-05	0.00011179	0.000116447	3.78175E-05	9.14132E-05	9.41399E-05
1652	0.000117701	0.000122968	5.03748E-05	9.2742E-05	6.87441E-05	0.000115185	0.000119776	4.22498E-05	9.2742E-05	6.80657E-05
1653	0.000116666	0.00012189	4.98825E-05	8.96865E-05	5.31573E-05	0.000113471	0.000117974	4.19293E-05	8.96865E-05	5.34709E-05
1654	0.00011032	0.000115427	4.50333E-05	8.38738E-05	3.89707E-05	0.000107099	0.000111474	3.76012E-05	8.38738E-05	4.04876E-05
1655	9.93702E-05	0.000104172	3.79904E-05	7.75718E-05	3.80758E-05	9.72098E-05	0.000101369	3.11433E-05	7.75718E-05	3.94855E-05
1656	8.89156E-05	9.35468E-05	2.97112E-05	7.28182E-05	3.76203E-05	8.82307E-05	9.2314E-05	2.33675E-05	7.28182E-05	3.89764E-05
1657	7.57317E-05	7.99811E-05	2.14089E-05	6.52175E-05	3.75899E-05	7.63106E-05	8.01233E-05	1.57478E-05	6.52175E-05	3.89498E-05
1658	7.30273E-05	7.73204E-05	1.81445E-05	6.49918E-05	3.77435E-05	7.43499E-05	7.82402E-05	1.25543E-05	6.49918E-05	3.91251E-05
1659	7.29774E-05	7.73518E-05	1.70551E-05	6.61167E-05	3.84433E-05	7.4709E-05	7.86966E-05	1.13675E-05	6.61167E-05	3.99161E-05
1660	7.6501E-05	8.11257E-05	1.73794E-05	7.02305E-05	4.00953E-05	7.86236E-05	8.28602E-05	1.13266E-05	7.02305E-05	4.17761E-05
1661	8.33632E-05	8.83521E-05	1.95864E-05	7.67007E-05	4.23223E-05	8.5699E-05	9.02798E-05	1.2934E-05	7.67007E-05	4.4276E-05
1662	9.04876E-05	9.57899E-05	2.27042E-05	8.23303E-05	4.291E-05	9.26724E-05	9.75277E-05	1.55472E-05	8.23303E-05	4.48838E-05
1663	9.21437E-05	9.72899E-05	2.63557E-05	8.36803E-05	0.000133365	9.41798E-05	9.89093E-05	1.90532E-05	8.36803E-05	0.000129048

1664	8.78924E-05	9.26306E-05	2.73203E-05	7.97555E-05	0.000132723	8.97263E-05	9.40885E-05	2.0434E-05	7.97555E-05	0.000128268
1665	8.45297E-05	8.89927E-05	2.74746E-05	7.49455E-05	0.000133295	8.56986E-05	8.97677E-05	2.10612E-05	7.49455E-05	0.0001289
1666	8.33065E-05	8.76166E-05	2.82068E-05	7.22686E-05	0.000133601	8.39176E-05	8.78111E-05	2.20698E-05	7.22686E-05	0.000129234
1667	8.2727E-05	8.69421E-05	2.88417E-05	7.03862E-05	0.000134048	8.28728E-05	8.66466E-05	2.29269E-05	7.03862E-05	0.000129732
1668	8.07197E-05	8.48564E-05	2.78369E-05	6.83559E-05	0.00011951	8.07798E-05	8.44691E-05	2.21762E-05	6.83559E-05	0.000116306
1669	7.99092E-05	8.40022E-05	2.75858E-05	6.75059E-05	0.000119765	7.99176E-05	8.35629E-05	2.2013E-05	6.75059E-05	0.000116593
1670	7.77063E-05	8.17215E-05	2.63765E-05	6.66038E-05	0.000119307	7.80283E-05	8.16301E-05	2.08148E-05	6.66038E-05	0.00011608
1671	7.8537E-05	8.2625E-05	2.62767E-05	6.82193E-05	0.000132742	7.9156E-05	8.28476E-05	2.05157E-05	6.82193E-05	0.000128269
1672	8.26319E-05	8.69376E-05	2.75898E-05	7.20189E-05	0.000130661	8.33598E-05	8.7255E-05	2.14846E-05	7.20189E-05	0.000125934
1673	8.96407E-05	9.43446E-05	2.95075E-05	7.78927E-05	0.000128623	9.03807E-05	9.46231E-05	2.29926E-05	7.78927E-05	0.000123645
1674	0.000101131	0.00010624	3.58206E-05	8.53164E-05	0.000127403	0.000101059	0.000105617	2.86676E-05	8.53164E-05	0.000122276
1675	0.000113457	0.000118759	4.56828E-05	9.14132E-05	9.71757E-05	0.00011179	0.000116447	3.78175E-05	9.14132E-05	9.41399E-05
1676	0.000117701	0.000122968	5.03748E-05	9.2742E-05	6.87441E-05	0.000115185	0.000119776	4.22498E-05	9.2742E-05	6.80657E-05
1677	0.000116666	0.00012189	4.98825E-05	8.96865E-05	5.31573E-05	0.000113471	0.000117974	4.19293E-05	8.96865E-05	5.34709E-05
1678	0.00011032	0.000115427	4.50333E-05	8.38738E-05	3.89707E-05	0.000107099	0.000111474	3.76012E-05	8.38738E-05	4.04876E-05
1679	9.93702E-05	0.000104172	3.79904E-05	7.75718E-05	3.80758E-05	9.72098E-05	0.000101369	3.11433E-05	7.75718E-05	3.94855E-05
1680	8.89156E-05	9.35468E-05	2.97112E-05	7.28182E-05	3.76203E-05	8.82307E-05	9.2314E-05	2.33675E-05	7.28182E-05	3.89764E-05
1681	7.57317E-05	7.99811E-05	2.14089E-05	6.52175E-05	3.75899E-05	7.63106E-05	8.01233E-05	1.57478E-05	6.52175E-05	3.89498E-05
1682	7.30273E-05	7.73204E-05	1.81445E-05	6.49918E-05	3.77435E-05	7.43499E-05	7.82402E-05	1.25543E-05	6.49918E-05	3.91251E-05
1683	7.29774E-05	7.73518E-05	1.70551E-05	6.61167E-05	3.84433E-05	7.4709E-05	7.86966E-05	1.13675E-05	6.61167E-05	3.99161E-05
1684	7.6501E-05	8.11257E-05	1.73794E-05	7.02305E-05	4.00953E-05	7.86236E-05	8.28602E-05	1.13266E-05	7.02305E-05	4.17761E-05
1685	8.33632E-05	8.83521E-05	1.95864E-05	7.67007E-05	4.23223E-05	8.5699E-05	9.02798E-05	1.2934E-05	7.67007E-05	4.4276E-05
1686	9.04876E-05	9.57899E-05	2.27042E-05	8.23303E-05	4.291E-05	9.26724E-05	9.75277E-05	1.55472E-05	8.23303E-05	4.48838E-05
1687	9.21437E-05	9.72899E-05	2.63557E-05	8.36803E-05	0.000133365	9.41798E-05	9.89093E-05	1.90532E-05	8.36803E-05	0.000129048
1688	8.78924E-05	9.26306E-05	2.73203E-05	7.97555E-05	0.000132723	8.97263E-05	9.40885E-05	2.0434E-05	7.97555E-05	0.000128268
1689	8.45297E-05	8.89927E-05	2.74746E-05	7.49455E-05	0.000133295	8.56986E-05	8.97677E-05	2.10612E-05	7.49455E-05	0.0001289
1690	8.33065E-05	8.76166E-05	2.82068E-05	7.22686E-05	0.000133601	8.39176E-05	8.78111E-05	2.20698E-05	7.22686E-05	0.000129234
1691	8.2727E-05	8.69421E-05	2.88417E-05	7.03862E-05	0.000134048	8.28728E-05	8.66466E-05	2.29269E-05	7.03862E-05	0.000129732
1692	8.07197E-05	8.48564E-05	2.78369E-05	6.83559E-05	0.00011951	8.07798E-05	8.44691E-05	2.21762E-05	6.83559E-05	0.000116306
1693	7.99092E-05	8.40022E-05	2.75858E-05	6.75059E-05	0.000119765	7.99176E-05	8.35629E-05	2.2013E-05	6.75059E-05	0.000116593
1694	7.77063E-05	8.17215E-05	2.63765E-05	6.66038E-05	0.000119307	7.80283E-05	8.16301E-05	2.08148E-05	6.66038E-05	0.00011608
1695	7.8537E-05	8.2625E-05	2.62767E-05	6.82193E-05	0.000132742	7.9156E-05	8.28476E-05	2.05157E-05	6.82193E-05	0.000128269
1696	8.26319E-05	8.69376E-05	2.75898E-05	7.20189E-05	0.000130661	8.33598E-05	8.7255E-05	2.14846E-05	7.20189E-05	0.000125934
1697	8.96407E-05	9.43446E-05	2.95075E-05	7.78927E-05	0.000128623	9.03807E-05	9.46231E-05	2.29926E-05	7.78927E-05	0.000123645
1698	0.000101131	0.00010624	3.58206E-05	8.53164E-05	0.000127403	0.000101059	0.000105617	2.86676E-05	8.53164E-05	0.000122276
1699	0.000113457	0.000118759	4.56828E-05	9.14132E-05	9.71757E-05	0.00011179	0.000116447	3.78175E-05	9.14132E-05	9.41399E-05
1700	0.000117701	0.000122968	5.03748E-05	9.2742E-05	6.87441E-05	0.000115185	0.000119776	4.22498E-05	9.2742E-05	6.80657E-05
1701	0.000116666	0.00012189	4.98825E-05	8.96865E-05	5.31573E-05	0.000113471	0.000117974	4.19293E-05	8.96865E-05	5.34709E-05
1702	0.00011032	0.000115427	4.50333E-05	8.38738E-05	3.89707E-05	0.000107099	0.000111474	3.76012E-05	8.38738E-05	4.04876E-05
1703	9.93702E-05	0.000104172	3.79904E-05	7.75718E-05	3.80758E-05	9.72098E-05	0.000101369	3.11433E-05	7.75718E-05	3.94855E-05
1704	8.89156E-05	9.35468E-05	2.97112E-05	7.28182E-05	3.76203E-05	8.82307E-05	9.2314E-05	2.33675E-05	7.28182E-05	3.89764E-05
1705	7.56953E-05	7.99423E-05	2.14018E-05	6.51725E-05	3.75325E-05	7.62696E-05	8.00798E-05	1.57455E-05	6.51725E-05	3.88869E-05
1706	7.3318E-05	7.76295E-05	1.82003E-05	6.53429E-05	3.7719E-05	7.46749E-05	7.85845E-05	1.25735E-05	6.53429E-05	3.90984E-05
1707	7.32834E-05	7.76772E-05	1.71131E-05	6.64804E-05	3.84352E-05	7.50494E-05	7.90571E-05	1.13882E-05	6.64804E-05	3.99083E-05
1708	7.68372E-05	8.14834E-05	1.74417E-05	7.06187E-05	4.00782E-05	7.89942E-05	8.32527E-05	1.13507E-05	7.06187E-05	4.17583E-05
1709	8.3746E-05	8.87592E-05	1.96582E-05	7.71497E-05	4.23025E-05	8.6123E-05	9.07289E-05	1.29606E-05	7.71497E-05	4.42553E-05
1710	9.07929E-05	9.61146E-05	2.27616E-05	8.26893E-05	4.28841E-05	9.30108E-05	9.78861E-05	1.55683E-05	8.26893E-05	4.48562E-05
1711	9.40783E-05	9.93667E-05	2.64735E-05	8.42807E-05	0.000133343	9.58158E-05	0.000100644	1.91172E-05	8.42807E-05	0.000129025
1712	8.8341E-05	9.31076E-05	2.74059E-05	8.02942E-05	0.000132703	9.0227E-05	9.46188E-05	2.04639E-05	8.02942E-05	0.000128248
1713	8.50362E-05	8.95311E-05	2.75741E-05	7.55761E-05	0.000133288	8.62705E-05	9.03737E-05	2.10925E-05	7.55761E-05	0.000128893
1714	8.38128E-05	8.8155E-05	2.83036E-05	7.28782E-05	0.0001336	8.44831E-05	8.84101E-05	2.21034E-05	7.28782E-05	0.000129233
1715	8.31622E-05	8.74048E-05	2.89254E-05	7.09137E-05	0.000134044	8.33599E-05	8.71626E-05	2.29553E-05	7.09137E-05	0.000129729
1716	8.11278E-05	8.52902E-05	2.79165E-05	6.88602E-05	0.000119506	8.12394E-05	8.49561E-05	2.22019E-05	6.88602E-05	0.000116301
1717	8.03881E-05	8.45115E-05	2.76758E-05	6.80692E-05	0.000119777	8.04486E-05	8.41252E-05	2.20461E-05	6.80692E-05	0.000116606
1718	7.81026E-05	8.21431E-05	2.64493E-05	6.70563E-05	0.000119337	7.84637E-05	8.2091E-05	2.08437E-05	6.70563E-05	0.000116114
1719	7.884E-05	8.29471E-05	2.63356E-05	6.85919E-05	0.000132765	7.94968E-05	8.32087E-05	2.05349E-05	6.85919E-05	0.000128296
1720	8.29339E-05	8.72582E-05	2.76532E-05	7.24283E-05	0.000130668	8.37107E-05	8.76271E-05	2.14996E-05	7.24283E-05	0.000125942
1721	8.99822E-05	9.47071E-05	2.95789E-05	7.83539E-05	0.000128621	9.0777E-05	9.50432E-05	2.30098E-05	7.83539E-05	0.000123644
1722	0.000101501	0.000106633	3.58973E-05	8.58101E-05	0.0001274	0.000101487	0.00010607	2.8687E-05	8.58101E-05	0.000122272
1723	0.000113848	0.000119174	4.5761E-05	9.1912E-05	9.71712E-05	0.000112235	0.000116918	3.78403E-05	9.1912E-05	9.41355E-05
1724	0.000118158	0.000123453	5.04668E-05	9.33297E-05	6.87338E-05	0.000115706	0.000120328	4.2276E-05	9.33297E-05	6.8055E-05
1725	0.000115618	0.000120756	4.99417E-05	9.02132E-05	5.31374E-05	0.000112843	0.000117308	4.19175E-05	9.02132E-05	5.34499E-05
1726	0.00011094	0.000116086	4.51556E-05	8.46498E-05	3.89419E-05	0.0001078	0.000112217	3.76392E-05	8.46498E-05	4.04568E-05
1727	0.000100152	0.000105004	3.81369E-05	7.84875E-05	3.80436E-05	9.80758E-05	0.000102286	3.11979E-05	7.84875E-05	3.94509E-05
1728	8.92996E-05	9.3955E-05	2.97861E-05	7.32925E-05	3.753E-05	8.86632E-05	9.27723E-05	2.33916E-05	7.32925E-05	3.88772E-05
1729	7.56953E-05	7.99423E-05	2.14018E-05	6.51725E-05	3.75325E-05	7.62696E-05	8.00798E-05	1.57455E-05	6.51725E-05	3.88869E-05
1730	7.3318E-05	7.76295E-05	1.82003E-05	6.53429E-05	3.7719E-05	7.46749E-05	7.85845E-05	1.25735E-05	6.53429E-05	3.90984E-05
1731	7.32834E-05	7.76772E-05	1.71131E-05	6.64804E-05	3.84352E-05	7.50494E-05	7.90571E-05	1.13882E-05	6.64804E-05	3.99083E-05
1732	7.68372E-05	8.14834E-05	1.74417E-05	7.06187E-05	4.00782E-05	7.89942E-05	8.32527E-05	1.13507E-05	7.06187E-05	4.17583E-05
1733	8.3746E-05	8.87592E-05	1.96582E-05	7.71497E-05	4.23025E-05	8.6123E-05	9.07289E-05	1.29606E-05	7.71497E-05	4.42553E-05
1734	9.07929E-05	9.61146E-05	2.27616E-05	8.26893E-05	4.28841E-05	9.30108E-05	9.78861E-05	1.55683E-05	8.26893E-05	4.48562E-05
1735	9.40783E-05	9.93667E-05	2.64735E-05	8.42807E-05	0.000133343	9.58158E-05	0.000100644	1.91172E-05	8.42807E-05	0.000129025
1736	8.8341E-05	9.31076E-05	2.74059E-05	8.02942E-05	0.000132703	9.0227E-05	9.46188E-05	2.04639E-05	8.02942E-05	0.000128248
1737	8.50362E-05	8.95311E-05	2.75741E-05	7.55761E-05	0.000133288	8.62705E-05	9.03737E-05	2.10925E-05	7.55761E-05	0.000128893
1738	8.38128E-05	8.8155E-05	2.83036E-05	7.28782E-05	0.0001336	8.44831E-05	8.84101E-05	2.21034E-05	7.28782E-05	0.000129233
1739	8.31622E-05	8.74048E-05	2.89254E-05	7.09137E-05	0.000134044	8.33599E-05	8.71626E-05	2.29553E-05	7.09137E-05	0.000129729

1740	8.11278E-05	8.52902E-05	2.79165E-05	6.88602E-05	0.000119506	8.12394E-05	8.49561E-05	2.22019E-05	6.88602E-05	0.000116301
1741	8.03881E-05	8.45115E-05	2.76758E-05	6.80692E-05	0.000119777	8.04486E-05	8.41252E-05	2.20461E-05	6.80692E-05	0.000116606
1742	7.81026E-05	8.21431E-05	2.64493E-05	6.70563E-05	0.000119337	7.84637E-05	8.2091E-05	2.08437E-05	6.70563E-05	0.000116114
1743	7.884E-05	8.29471E-05	2.63356E-05	6.85919E-05	0.000132765	7.94968E-05	8.32087E-05	2.05349E-05	6.85919E-05	0.000128296
1744	8.29339E-05	8.72582E-05	2.76532E-05	7.24283E-05	0.000130668	8.37107E-05	8.76271E-05	2.14996E-05	7.24283E-05	0.000125942
1745	8.99822E-05	9.47071E-05	2.95789E-05	7.83539E-05	0.000128621	9.0777E-05	9.50432E-05	2.30098E-05	7.83539E-05	0.000123644
1746	0.000101501	0.000106633	3.58973E-05	8.58101E-05	0.0001274	0.000101487	0.00010607	2.8687E-05	8.58101E-05	0.000122272
1747	0.000113848	0.000119174	4.5761E-05	9.1912E-05	9.71712E-05	0.000112235	0.000116918	3.78403E-05	9.1912E-05	9.41355E-05
1748	0.000118158	0.000123453	5.04668E-05	9.33297E-05	6.87338E-05	0.000115706	0.000120328	4.2276E-05	9.33297E-05	6.8055E-05
1749	0.000115618	0.000120756	4.99417E-05	9.02132E-05	5.31374E-05	0.000112843	0.000117308	4.19175E-05	9.02132E-05	5.34499E-05
1750	0.00011094	0.000116086	4.51556E-05	8.46498E-05	3.89419E-05	0.0001078	0.000112217	3.76392E-05	8.46498E-05	4.04568E-05
1751	0.000100152	0.000105004	3.81369E-05	7.84875E-05	3.80436E-05	9.80758E-05	0.000102286	3.11979E-05	7.84875E-05	3.94509E-05
1752	8.92996E-05	9.3955E-05	2.97861E-05	7.32925E-05	3.753E-05	8.86632E-05	9.27723E-05	2.33916E-05	7.32925E-05	3.88772E-05
1753	7.57317E-05	7.99811E-05	2.14089E-05	6.52175E-05	3.75899E-05	7.63106E-05	8.01233E-05	1.57478E-05	6.52175E-05	3.89498E-05
1754	7.30273E-05	7.73204E-05	1.81445E-05	6.49918E-05	3.77435E-05	7.43499E-05	7.82402E-05	1.25543E-05	6.49918E-05	3.91251E-05
1755	7.29774E-05	7.73518E-05	1.70551E-05	6.61167E-05	3.84433E-05	7.4709E-05	7.86966E-05	1.13675E-05	6.61167E-05	3.99161E-05
1756	7.6501E-05	8.11257E-05	1.73794E-05	7.02305E-05	4.00953E-05	7.86236E-05	8.28602E-05	1.13266E-05	7.02305E-05	4.17761E-05
1757	8.33632E-05	8.83521E-05	1.95864E-05	7.67007E-05	4.23223E-05	8.5699E-05	9.02798E-05	1.2934E-05	7.67007E-05	4.4276E-05
1758	9.04876E-05	9.57899E-05	2.27042E-05	8.23303E-05	4.291E-05	9.26724E-05	9.75277E-05	1.55472E-05	8.23303E-05	4.48838E-05
1759	9.21437E-05	9.72899E-05	2.63557E-05	8.36803E-05	0.000133365	9.41798E-05	9.89093E-05	1.90532E-05	8.36803E-05	0.000129048
1760	8.78924E-05	9.26306E-05	2.73203E-05	7.97555E-05	0.000132723	8.97263E-05	9.40885E-05	2.0434E-05	7.97555E-05	0.000128268
1761	8.45297E-05	8.89927E-05	2.74746E-05	7.49455E-05	0.000133295	8.56986E-05	8.97677E-05	2.10612E-05	7.49455E-05	0.0001289
1762	8.33065E-05	8.76166E-05	2.82068E-05	7.22686E-05	0.000133601	8.39176E-05	8.78111E-05	2.20698E-05	7.22686E-05	0.000129234
1763	8.2727E-05	8.69421E-05	2.88417E-05	7.03862E-05	0.000134048	8.28728E-05	8.66466E-05	2.29269E-05	7.03862E-05	0.000129732
1764	8.07197E-05	8.48564E-05	2.78369E-05	6.83559E-05	0.00011951	8.07798E-05	8.44691E-05	2.21762E-05	6.83559E-05	0.000116306
1765	7.99092E-05	8.40022E-05	2.75858E-05	6.75059E-05	0.000119765	7.99176E-05	8.35629E-05	2.2013E-05	6.75059E-05	0.000116593
1766	7.77063E-05	8.17215E-05	2.63765E-05	6.66038E-05	0.000119307	7.80283E-05	8.16301E-05	2.08148E-05	6.66038E-05	0.00011608
1767	7.8537E-05	8.2625E-05	2.62767E-05	6.82193E-05	0.000132742	7.9156E-05	8.28476E-05	2.05157E-05	6.82193E-05	0.000128269
1768	8.26319E-05	8.69376E-05	2.75898E-05	7.20189E-05	0.000130661	8.33598E-05	8.7255E-05	2.14846E-05	7.20189E-05	0.000125934
1769	8.96407E-05	9.43446E-05	2.95075E-05	7.78927E-05	0.000128623	9.03807E-05	9.46231E-05	2.29926E-05	7.78927E-05	0.000123645
1770	0.000101131	0.00010624	3.58206E-05	8.53164E-05	0.000127403	0.000101059	0.000105617	2.86676E-05	8.53164E-05	0.000122276
1771	0.000113457	0.000118759	4.56828E-05	9.14132E-05	9.71757E-05	0.00011179	0.000116447	3.78175E-05	9.14132E-05	9.41399E-05
1772	0.000117701	0.000122968	5.03748E-05	9.2742E-05	6.87441E-05	0.000115185	0.000119776	4.22498E-05	9.2742E-05	6.80657E-05
1773	0.000116666	0.00012189	4.98825E-05	8.96865E-05	5.31573E-05	0.000113471	0.000117974	4.19293E-05	8.96865E-05	5.34709E-05
1774	0.00011032	0.000115427	4.50333E-05	8.38738E-05	3.89707E-05	0.000107099	0.000111474	3.76012E-05	8.38738E-05	4.04876E-05
1775	9.93702E-05	0.000104172	3.79904E-05	7.75718E-05	3.80758E-05	9.72098E-05	0.000101369	3.11433E-05	7.75718E-05	3.94855E-05
1776	8.89156E-05	9.35468E-05	2.97112E-05	7.28182E-05	3.76203E-05	8.82307E-05	9.2314E-05	2.33675E-05	7.28182E-05	3.89764E-05
1777	7.57317E-05	7.99811E-05	2.14089E-05	6.52175E-05	3.75899E-05	7.63106E-05	8.01233E-05	1.57478E-05	6.52175E-05	3.89498E-05
1778	7.30273E-05	7.73204E-05	1.81445E-05	6.49918E-05	3.77435E-05	7.43499E-05	7.82402E-05	1.25543E-05	6.49918E-05	3.91251E-05
1779	7.29774E-05	7.73518E-05	1.70551E-05	6.61167E-05	3.84433E-05	7.4709E-05	7.86966E-05	1.13675E-05	6.61167E-05	3.99161E-05
1780	7.6501E-05	8.11257E-05	1.73794E-05	7.02305E-05	4.00953E-05	7.86236E-05	8.28602E-05	1.13266E-05	7.02305E-05	4.17761E-05
1781	8.33632E-05	8.83521E-05	1.95864E-05	7.67007E-05	4.23223E-05	8.5699E-05	9.02798E-05	1.2934E-05	7.67007E-05	4.4276E-05
1782	9.04876E-05	9.57899E-05	2.27042E-05	8.23303E-05	4.291E-05	9.26724E-05	9.75277E-05	1.55472E-05	8.23303E-05	4.48838E-05
1783	9.21437E-05	9.72899E-05	2.63557E-05	8.36803E-05	0.000133365	9.41798E-05	9.89093E-05	1.90532E-05	8.36803E-05	0.000129048
1784	8.78924E-05	9.26306E-05	2.73203E-05	7.97555E-05	0.000132723	8.97263E-05	9.40885E-05	2.0434E-05	7.97555E-05	0.000128268
1785	8.45297E-05	8.89927E-05	2.74746E-05	7.49455E-05	0.000133295	8.56986E-05	8.97677E-05	2.10612E-05	7.49455E-05	0.0001289
1786	8.33065E-05	8.76166E-05	2.82068E-05	7.22686E-05	0.000133601	8.39176E-05	8.78111E-05	2.20698E-05	7.22686E-05	0.000129234
1787	8.2727E-05	8.69421E-05	2.88417E-05	7.03862E-05	0.000134048	8.28728E-05	8.66466E-05	2.29269E-05	7.03862E-05	0.000129732
1788	8.07197E-05	8.48564E-05	2.78369E-05	6.83559E-05	0.00011951	8.07798E-05	8.44691E-05	2.21762E-05	6.83559E-05	0.000116306
1789	7.99092E-05	8.40022E-05	2.75858E-05	6.75059E-05	0.000119765	7.99176E-05	8.35629E-05	2.2013E-05	6.75059E-05	0.000116593
1790	7.77063E-05	8.17215E-05	2.63765E-05	6.66038E-05	0.000119307	7.80283E-05	8.16301E-05	2.08148E-05	6.66038E-05	0.00011608
1791	7.8537E-05	8.2625E-05	2.62767E-05	6.82193E-05	0.000132742	7.9156E-05	8.28476E-05	2.05157E-05	6.82193E-05	0.000128269
1792	8.26319E-05	8.69376E-05	2.75898E-05	7.20189E-05	0.000130661	8.33598E-05	8.7255E-05	2.14846E-05	7.20189E-05	0.000125934
1793	8.96407E-05	9.43446E-05	2.95075E-05	7.78927E-05	0.000128623	9.03807E-05	9.46231E-05	2.29926E-05	7.78927E-05	0.000123645
1794	0.000101131	0.00010624	3.58206E-05	8.53164E-05	0.000127403	0.000101059	0.000105617	2.86676E-05	8.53164E-05	0.000122276
1795	0.000113457	0.000118759	4.56828E-05	9.14132E-05	9.71757E-05	0.00011179	0.000116447	3.78175E-05	9.14132E-05	9.41399E-05
1796	0.000117701	0.000122968	5.03748E-05	9.2742E-05	6.87441E-05	0.000115185	0.000119776	4.22498E-05	9.2742E-05	6.80657E-05
1797	0.000116666	0.00012189	4.98825E-05	8.96865E-05	5.31573E-05	0.000113471	0.000117974	4.19293E-05	8.96865E-05	5.34709E-05
1798	0.00011032	0.000115427	4.50333E-05	8.38738E-05	3.89707E-05	0.000107099	0.000111474	3.76012E-05	8.38738E-05	4.04876E-05
1799	9.93702E-05	0.000104172	3.79904E-05	7.75718E-05	3.80758E-05	9.72098E-05	0.000101369	3.11433E-05	7.75718E-05	3.94855E-05
1800	8.89156E-05	9.35468E-05	2.97112E-05	7.28182E-05	3.76203E-05	8.82307E-05	9.2314E-05	2.33675E-05	7.28182E-05	3.89764E-05
1801	7.57317E-05	7.99811E-05	2.14089E-05	6.52175E-05	3.75899E-05	7.63106E-05	8.01233E-05	1.57478E-05	6.52175E-05	3.89498E-05
1802	7.30273E-05	7.73204E-05	1.81445E-05	6.49918E-05	3.77435E-05	7.43499E-05	7.82402E-05	1.25543E-05	6.49918E-05	3.91251E-05
1803	7.29774E-05	7.73518E-05	1.70551E-05	6.61167E-05	3.84433E-05	7.4709E-05	7.86966E-05	1.13675E-05	6.61167E-05	3.99161E-05
1804	7.6501E-05	8.11257E-05	1.73794E-05	7.02305E-05	4.00953E-05	7.86236E-05	8.28602E-05	1.13266E-05	7.02305E-05	4.17761E-05
1805	8.33632E-05	8.83521E-05	1.95864E-05	7.67007E-05	4.23223E-05	8.5699E-05	9.02798E-05	1.2934E-05	7.67007E-05	4.4276E-05
1806	9.04876E-05	9.57899E-05	2.27042E-05	8.23303E-05	4.291E-05	9.26724E-05	9.75277E-05	1.55472E-05	8.23303E-05	4.48838E-05
1807	9.21437E-05	9.72899E-05	2.63557E-05	8.36803E-05	0.000133365	9.41798E-05	9.89093E-05	1.90532E-05	8.36803E-05	0.000129048
1808	8.78924E-05	9.26306E-05	2.73203E-05	7.97555E-05	0.000132723	8.97263E-05	9.40885E-05	2.0434E-05	7.97555E-05	0.000128268
1809	8.45297E-05	8.89927E-05	2.74746E-05	7.49455E-05	0.000133295	8.56986E-05	8.97677E-05	2.10612E-05	7.49455E-05	0.0001289
1810	8.33065E-05	8.76166E-05	2.82068E-05	7.22686E-05	0.000133601	8.39176E-05	8.78111E-05	2.20698E-05	7.22686E-05	0.000129234
1811	8.2727E-05	8.69421E-05	2.88417E-05	7.03862E-05	0.000134048	8.28728E-05	8.66466E-05	2.29269E-05	7.03862E-05	0.000129732
1812	8.07197E-05	8.48564E-05	2.78369E-05	6.83559E-05	0.00011951	8.07798E-05	8.44691E-05	2.21762E-05	6.83559E-05	0.000116306
1813	7.99092E-05	8.40022E-05	2.75858E-05	6.75059E-05	0.000119765	7.99176E-05	8.35629E-05	2.2013E-05	6.75059E-05	0.000116593
1814	7.77063E-05	8.17215E-05	2.63765E-05	6.66038E-05	0.000119307	7.80283E-05	8.16301E-05	2.08148E-05	6.66038E-05	0.00011608
1815	7.8537E-05	8.2625E-05	2.62767E-05	6.82193E-05	0.000132742	7.9156E-05	8.28476E-05	2.05157E-05	6.82193E-05	0.000128269

1816	8.26319E-05	8.69376E-05	2.75898E-05	7.20189E-05	0.000130661	8.33598E-05	8.7255E-05	2.14846E-05	7.20189E-05	0.000125934
1817	8.96407E-05	9.43446E-05	2.95075E-05	7.78927E-05	0.000128623	9.03807E-05	9.46231E-05	2.29926E-05	7.78927E-05	0.000123645
1818	0.000101131	0.00010624	3.58206E-05	8.53164E-05	0.000127403	0.000101059	0.000105617	2.86676E-05	8.53164E-05	0.000122276
1819	0.000113457	0.000118759	4.56828E-05	9.14132E-05	9.71757E-05	0.00011179	0.000116447	3.78175E-05	9.14132E-05	9.41399E-05
1820	0.000117701	0.000122968	5.03748E-05	9.2742E-05	6.87441E-05	0.000115185	0.000119776	4.22498E-05	9.2742E-05	6.80657E-05
1821	0.000116666	0.00012189	4.98825E-05	8.96865E-05	5.31573E-05	0.000113471	0.000117974	4.19293E-05	8.96865E-05	5.34709E-05
1822	0.00011032	0.000115427	4.50333E-05	8.38738E-05	3.89707E-05	0.000107099	0.000111474	3.76012E-05	8.38738E-05	4.04876E-05
1823	9.93702E-05	0.000104172	3.79904E-05	7.75718E-05	3.80758E-05	9.72098E-05	0.000101369	3.11433E-05	7.75718E-05	3.94855E-05
1824	8.89156E-05	9.35468E-05	2.97112E-05	7.28182E-05	3.76203E-05	8.82307E-05	9.2314E-05	2.33675E-05	7.28182E-05	3.89764E-05
1825	7.57317E-05	7.99811E-05	2.14089E-05	6.52175E-05	3.75899E-05	7.63106E-05	8.01233E-05	1.57478E-05	6.52175E-05	3.89498E-05
1826	7.30273E-05	7.73204E-05	1.81445E-05	6.49918E-05	3.77435E-05	7.43499E-05	7.82402E-05	1.25543E-05	6.49918E-05	3.91251E-05
1827	7.29774E-05	7.73518E-05	1.70551E-05	6.61167E-05	3.84433E-05	7.4709E-05	7.86966E-05	1.13675E-05	6.61167E-05	3.99161E-05
1828	7.6501E-05	8.11257E-05	1.73794E-05	7.02305E-05	4.00953E-05	7.86236E-05	8.28602E-05	1.13266E-05	7.02305E-05	4.17761E-05
1829	8.33632E-05	8.83521E-05	1.95864E-05	7.67007E-05	4.23223E-05	8.5699E-05	9.02798E-05	1.2934E-05	7.67007E-05	4.4276E-05
1830	9.04876E-05	9.57899E-05	2.27042E-05	8.23303E-05	4.291E-05	9.26724E-05	9.75277E-05	1.55472E-05	8.23303E-05	4.48838E-05
1831	9.21437E-05	9.72899E-05	2.63557E-05	8.36803E-05	0.000133365	9.41798E-05	9.89093E-05	1.90532E-05	8.36803E-05	0.000129048
1832	8.78924E-05	9.26306E-05	2.73203E-05	7.97555E-05	0.000132723	8.97263E-05	9.40885E-05	2.0434E-05	7.97555E-05	0.000128268
1833	8.45297E-05	8.89927E-05	2.74746E-05	7.49455E-05	0.000133295	8.56986E-05	8.97677E-05	2.10612E-05	7.49455E-05	0.0001289
1834	8.33065E-05	8.76166E-05	2.82068E-05	7.22686E-05	0.000133601	8.39176E-05	8.78111E-05	2.20698E-05	7.22686E-05	0.000129234
1835	8.2727E-05	8.69421E-05	2.88417E-05	7.03862E-05	0.000134048	8.28728E-05	8.66466E-05	2.29269E-05	7.03862E-05	0.000129732
1836	8.07197E-05	8.48564E-05	2.78369E-05	6.83559E-05	0.00011951	8.07798E-05	8.44691E-05	2.21762E-05	6.83559E-05	0.000116306
1837	7.99092E-05	8.40022E-05	2.75858E-05	6.75059E-05	0.000119765	7.99176E-05	8.35629E-05	2.2013E-05	6.75059E-05	0.000116593
1838	7.77063E-05	8.17215E-05	2.63765E-05	6.66038E-05	0.000119307	7.80283E-05	8.16301E-05	2.08148E-05	6.66038E-05	0.00011608
1839	7.8537E-05	8.2625E-05	2.62767E-05	6.82193E-05	0.000132742	7.9156E-05	8.28476E-05	2.05157E-05	6.82193E-05	0.000128269
1840	8.26319E-05	8.69376E-05	2.75898E-05	7.20189E-05	0.000130661	8.33598E-05	8.7255E-05	2.14846E-05	7.20189E-05	0.000125934
1841	8.96407E-05	9.43446E-05	2.95075E-05	7.78927E-05	0.000128623	9.03807E-05	9.46231E-05	2.29926E-05	7.78927E-05	0.000123645
1842	0.000101131	0.00010624	3.58206E-05	8.53164E-05	0.000127403	0.000101059	0.000105617	2.86676E-05	8.53164E-05	0.000122276
1843	0.000113457	0.000118759	4.56828E-05	9.14132E-05	9.71757E-05	0.00011179	0.000116447	3.78175E-05	9.14132E-05	9.41399E-05
1844	0.000117701	0.000122968	5.03748E-05	9.2742E-05	6.87441E-05	0.000115185	0.000119776	4.22498E-05	9.2742E-05	6.80657E-05
1845	0.000116666	0.00012189	4.98825E-05	8.96865E-05	5.31573E-05	0.000113471	0.000117974	4.19293E-05	8.96865E-05	5.34709E-05
1846	0.00011032	0.000115427	4.50333E-05	8.38738E-05	3.89707E-05	0.000107099	0.000111474	3.76012E-05	8.38738E-05	4.04876E-05
1847	9.93702E-05	0.000104172	3.79904E-05	7.75718E-05	3.80758E-05	9.72098E-05	0.000101369	3.11433E-05	7.75718E-05	3.94855E-05
1848	8.89156E-05	9.35468E-05	2.97112E-05	7.28182E-05	3.76203E-05	8.82307E-05	9.2314E-05	2.33675E-05	7.28182E-05	3.89764E-05
1849	7.57317E-05	7.99811E-05	2.14089E-05	6.52175E-05	3.75899E-05	7.63106E-05	8.01233E-05	1.57478E-05	6.52175E-05	3.89498E-05
1850	7.30273E-05	7.73204E-05	1.81445E-05	6.49918E-05	3.77435E-05	7.43499E-05	7.82402E-05	1.25543E-05	6.49918E-05	3.91251E-05
1851	7.29774E-05	7.73518E-05	1.70551E-05	6.61167E-05	3.84433E-05	7.4709E-05	7.86966E-05	1.13675E-05	6.61167E-05	3.99161E-05
1852	7.6501E-05	8.11257E-05	1.73794E-05	7.02305E-05	4.00953E-05	7.86236E-05	8.28602E-05	1.13266E-05	7.02305E-05	4.17761E-05
1853	8.33632E-05	8.83521E-05	1.95864E-05	7.67007E-05	4.23223E-05	8.5699E-05	9.02798E-05	1.2934E-05	7.67007E-05	4.4276E-05
1854	9.04876E-05	9.57899E-05	2.27042E-05	8.23303E-05	4.291E-05	9.26724E-05	9.75277E-05	1.55472E-05	8.23303E-05	4.48838E-05
1855	9.21437E-05	9.72899E-05	2.63557E-05	8.36803E-05	0.000133365	9.41798E-05	9.89093E-05	1.90532E-05	8.36803E-05	0.000129048
1856	8.78924E-05	9.26306E-05	2.73203E-05	7.97555E-05	0.000132723	8.97263E-05	9.40885E-05	2.0434E-05	7.97555E-05	0.000128268
1857	8.45297E-05	8.89927E-05	2.74746E-05	7.49455E-05	0.000133295	8.56986E-05	8.97677E-05	2.10612E-05	7.49455E-05	0.0001289
1858	8.33065E-05	8.76166E-05	2.82068E-05	7.22686E-05	0.000133601	8.39176E-05	8.78111E-05	2.20698E-05	7.22686E-05	0.000129234
1859	8.2727E-05	8.69421E-05	2.88417E-05	7.03862E-05	0.000134048	8.28728E-05	8.66466E-05	2.29269E-05	7.03862E-05	0.000129732
1860	8.07197E-05	8.48564E-05	2.78369E-05	6.83559E-05	0.00011951	8.07798E-05	8.44691E-05	2.21762E-05	6.83559E-05	0.000116306
1861	7.99092E-05	8.40022E-05	2.75858E-05	6.75059E-05	0.000119765	7.99176E-05	8.35629E-05	2.2013E-05	6.75059E-05	0.000116593
1862	7.77063E-05	8.17215E-05	2.63765E-05	6.66038E-05	0.000119307	7.80283E-05	8.16301E-05	2.08148E-05	6.66038E-05	0.00011608
1863	7.8537E-05	8.2625E-05	2.62767E-05	6.82193E-05	0.000132742	7.9156E-05	8.28476E-05	2.05157E-05	6.82193E-05	0.000128269
1864	8.26319E-05	8.69376E-05	2.75898E-05	7.20189E-05	0.000130661	8.33598E-05	8.7255E-05	2.14846E-05	7.20189E-05	0.000125934
1865	8.96407E-05	9.43446E-05	2.95075E-05	7.78927E-05	0.000128623	9.03807E-05	9.46231E-05	2.29926E-05	7.78927E-05	0.000123645
1866	0.000101131	0.00010624	3.58206E-05	8.53164E-05	0.000127403	0.000101059	0.000105617	2.86676E-05	8.53164E-05	0.000122276
1867	0.000113457	0.000118759	4.56828E-05	9.14132E-05	9.71757E-05	0.00011179	0.000116447	3.78175E-05	9.14132E-05	9.41399E-05
1868	0.000117701	0.000122968	5.03748E-05	9.2742E-05	6.87441E-05	0.000115185	0.000119776	4.22498E-05	9.2742E-05	6.80657E-05
1869	0.000116666	0.00012189	4.98825E-05	8.96865E-05	5.31573E-05	0.000113471	0.000117974	4.19293E-05	8.96865E-05	5.34709E-05
1870	0.00011032	0.000115427	4.50333E-05	8.38738E-05	3.89707E-05	0.000107099	0.000111474	3.76012E-05	8.38738E-05	4.04876E-05
1871	9.93702E-05	0.000104172	3.79904E-05	7.75718E-05	3.80758E-05	9.72098E-05	0.000101369	3.11433E-05	7.75718E-05	3.94855E-05
1872	8.89156E-05	9.35468E-05	2.97112E-05	7.28182E-05	3.76203E-05	8.82307E-05	9.2314E-05	2.33675E-05	7.28182E-05	3.89764E-05
1873	7.56953E-05	7.99423E-05	2.14018E-05	6.51725E-05	3.75325E-05	7.62696E-05	8.00798E-05	1.57455E-05	6.51725E-05	3.88869E-05
1874	7.3318E-05	7.76295E-05	1.82003E-05	6.53429E-05	3.7719E-05	7.46749E-05	7.85845E-05	1.25735E-05	6.53429E-05	3.90984E-05
1875	7.32834E-05	7.76772E-05	1.71131E-05	6.64804E-05	3.84352E-05	7.50494E-05	7.90571E-05	1.13882E-05	6.64804E-05	3.99083E-05
1876	7.68372E-05	8.14834E-05	1.74417E-05	7.06187E-05	4.00782E-05	7.89942E-05	8.32527E-05	1.13507E-05	7.06187E-05	4.17583E-05
1877	8.3746E-05	8.87592E-05	1.96582E-05	7.71497E-05	4.23025E-05	8.6123E-05	9.07289E-05	1.29606E-05	7.71497E-05	4.42553E-05
1878	9.07929E-05	9.61146E-05	2.27616E-05	8.26893E-05	4.28841E-05	9.30108E-05	9.78861E-05	1.55683E-05	8.26893E-05	4.48562E-05
1879	9.40783E-05	9.93667E-05	2.64735E-05	8.42807E-05	0.000133343	9.58158E-05	0.000100644	1.91172E-05	8.42807E-05	0.000129025
1880	8.8341E-05	9.31076E-05	2.74059E-05	8.02942E-05	0.000132703	9.0227E-05	9.46188E-05	2.04639E-05	8.02942E-05	0.000128248
1881	8.50362E-05	8.95311E-05	2.75741E-05	7.55761E-05	0.000133288	8.62705E-05	9.03737E-05	2.10925E-05	7.55761E-05	0.000128893
1882	8.38128E-05	8.8155E-05	2.83036E-05	7.28782E-05	0.0001336	8.44831E-05	8.84101E-05	2.21034E-05	7.28782E-05	0.000129233
1883	8.31622E-05	8.74048E-05	2.89254E-05	7.09137E-05	0.000134044	8.33599E-05	8.71626E-05	2.29553E-05	7.09137E-05	0.000129729
1884	8.11278E-05	8.52902E-05	2.79165E-05	6.88602E-05	0.000119506	8.12394E-05	8.49561E-05	2.22019E-05	6.88602E-05	0.000116301
1885	8.03881E-05	8.45115E-05	2.76758E-05	6.80692E-05	0.000119777	8.04486E-05	8.41252E-05	2.20461E-05	6.80692E-05	0.000116606
1886	7.81026E-05	8.21431E-05	2.64493E-05	6.70563E-05	0.000119337	7.84637E-05	8.2091E-05	2.08437E-05	6.70563E-05	0.000116114
1887	7.884E-05	8.29471E-05	2.63356E-05	6.85919E-05	0.000132765	7.94968E-05	8.32087E-05	2.05349E-05	6.85919E-05	0.000128296
1888	8.29339E-05	8.72582E-05	2.76532E-05	7.24283E-05	0.000130668	8.37107E-05	8.76271E-05	2.14996E-05	7.24283E-05	0.000125942
1889	8.99822E-05	9.47071E-05	2.95789E-05	7.83539E-05	0.000128621	9.0777E-05	9.50432E-05	2.30098E-05	7.83539E-05	0.000123644
1890	0.000101501	0.000106633	3.58973E-05	8.58101E-05	0.0001274	0.000101487	0.00010607	2.8687E-05	8.58101E-05	0.000122272
1891	0.000113848	0.000119174	4.5761E-05	9.1912E-05	9.71712E-05	0.000112235	0.000116918	3.78403E-05	9.1912E-05	9.41355E-05

1892	0.000118158	0.000123453	5.04668E-05	9.33297E-05	6.87338E-05	0.000115706	0.000120328	4.2276E-05	9.33297E-05	6.8055E-05
1893	0.000115618	0.000120756	4.99417E-05	9.02132E-05	5.31374E-05	0.000112843	0.000117308	4.19175E-05	9.02132E-05	5.34499E-05
1894	0.00011094	0.000116086	4.51556E-05	8.46498E-05	3.89419E-05	0.0001078	0.000112217	3.76392E-05	8.46498E-05	4.04568E-05
1895	0.000100152	0.000105004	3.81369E-05	7.84875E-05	3.80436E-05	9.80758E-05	0.000102286	3.11979E-05	7.84875E-05	3.94509E-05
1896	8.92996E-05	9.3955E-05	2.97861E-05	7.32925E-05	3.753E-05	8.86632E-05	9.27723E-05	2.33916E-05	7.32925E-05	3.88772E-05
1897	7.56953E-05	7.99423E-05	2.14018E-05	6.51725E-05	3.75325E-05	7.62696E-05	8.00798E-05	1.57455E-05	6.51725E-05	3.88869E-05
1898	7.3318E-05	7.76295E-05	1.82003E-05	6.53429E-05	3.7719E-05	7.46749E-05	7.85845E-05	1.25735E-05	6.53429E-05	3.90984E-05
1899	7.32834E-05	7.76772E-05	1.71131E-05	6.64804E-05	3.84352E-05	7.50494E-05	7.90571E-05	1.13882E-05	6.64804E-05	3.99083E-05
1900	7.68372E-05	8.14834E-05	1.74417E-05	7.06187E-05	4.00782E-05	7.89942E-05	8.32527E-05	1.13507E-05	7.06187E-05	4.17583E-05
1901	8.3746E-05	8.87592E-05	1.96582E-05	7.71497E-05	4.23025E-05	8.6123E-05	9.07289E-05	1.29606E-05	7.71497E-05	4.42553E-05
1902	9.07929E-05	9.61146E-05	2.27616E-05	8.26893E-05	4.28841E-05	9.30108E-05	9.78861E-05	1.55683E-05	8.26893E-05	4.48562E-05
1903	9.40783E-05	9.93667E-05	2.64735E-05	8.42807E-05	0.000133343	9.58158E-05	0.000100644	1.91172E-05	8.42807E-05	0.000129025
1904	8.8341E-05	9.31076E-05	2.74059E-05	8.02942E-05	0.000132703	9.0227E-05	9.46188E-05	2.04639E-05	8.02942E-05	0.000128248
1905	8.50362E-05	8.95311E-05	2.75741E-05	7.55761E-05	0.000133288	8.62705E-05	9.03737E-05	2.10925E-05	7.55761E-05	0.000128893
1906	8.38128E-05	8.8155E-05	2.83036E-05	7.28782E-05	0.0001336	8.44831E-05	8.84101E-05	2.21034E-05	7.28782E-05	0.000129233
1907	8.31622E-05	8.74048E-05	2.89254E-05	7.09137E-05	0.000134044	8.33599E-05	8.71626E-05	2.29553E-05	7.09137E-05	0.000129729
1908	8.11278E-05	8.52902E-05	2.79165E-05	6.88602E-05	0.000119506	8.12394E-05	8.49561E-05	2.22019E-05	6.88602E-05	0.000116301
1909	8.03881E-05	8.45115E-05	2.76758E-05	6.80692E-05	0.000119777	8.04486E-05	8.41252E-05	2.20461E-05	6.80692E-05	0.000116606
1910	7.81026E-05	8.21431E-05	2.64493E-05	6.70563E-05	0.000119337	7.84637E-05	8.2091E-05	2.08437E-05	6.70563E-05	0.000116114
1911	7.884E-05	8.29471E-05	2.63356E-05	6.85919E-05	0.000132765	7.94968E-05	8.32087E-05	2.05349E-05	6.85919E-05	0.000128296
1912	8.29339E-05	8.72582E-05	2.76532E-05	7.24283E-05	0.000130668	8.37107E-05	8.76271E-05	2.14996E-05	7.24283E-05	0.000125942
1913	8.99822E-05	9.47071E-05	2.95789E-05	7.83539E-05	0.000128621	9.0777E-05	9.50432E-05	2.30098E-05	7.83539E-05	0.000123644
1914	0.000101501	0.000106633	3.58973E-05	8.58101E-05	0.0001274	0.000101487	0.00010607	2.8687E-05	8.58101E-05	0.000122272
1915	0.000113848	0.000119174	4.5761E-05	9.1912E-05	9.71712E-05	0.000112235	0.000116918	3.78403E-05	9.1912E-05	9.41355E-05
1916	0.000118158	0.000123453	5.04668E-05	9.33297E-05	6.87338E-05	0.000115706	0.000120328	4.2276E-05	9.33297E-05	6.8055E-05
1917	0.000115618	0.000120756	4.99417E-05	9.02132E-05	5.31374E-05	0.000112843	0.000117308	4.19175E-05	9.02132E-05	5.34499E-05
1918	0.00011094	0.000116086	4.51556E-05	8.46498E-05	3.89419E-05	0.0001078	0.000112217	3.76392E-05	8.46498E-05	4.04568E-05
1919	0.000100152	0.000105004	3.81369E-05	7.84875E-05	3.80436E-05	9.80758E-05	0.000102286	3.11979E-05	7.84875E-05	3.94509E-05
1920	8.92996E-05	9.3955E-05	2.97861E-05	7.32925E-05	3.753E-05	8.86632E-05	9.27723E-05	2.33916E-05	7.32925E-05	3.88772E-05
1921	7.57317E-05	7.99811E-05	2.14089E-05	6.52175E-05	3.75899E-05	7.63106E-05	8.01233E-05	1.57478E-05	6.52175E-05	3.89498E-05
1922	7.30273E-05	7.73204E-05	1.81445E-05	6.49918E-05	3.77435E-05	7.43499E-05	7.82402E-05	1.25543E-05	6.49918E-05	3.91251E-05
1923	7.29774E-05	7.73518E-05	1.70551E-05	6.61167E-05	3.84433E-05	7.4709E-05	7.86966E-05	1.13675E-05	6.61167E-05	3.99161E-05
1924	7.6501E-05	8.11257E-05	1.73794E-05	7.02305E-05	4.00953E-05	7.86236E-05	8.28602E-05	1.13266E-05	7.02305E-05	4.17761E-05
1925	8.33632E-05	8.83521E-05	1.95864E-05	7.67007E-05	4.23223E-05	8.5699E-05	9.02798E-05	1.2934E-05	7.67007E-05	4.4276E-05
1926	9.04876E-05	9.57899E-05	2.27042E-05	8.23303E-05	4.291E-05	9.26724E-05	9.75277E-05	1.55472E-05	8.23303E-05	4.48838E-05
1927	9.21437E-05	9.72899E-05	2.63557E-05	8.36803E-05	0.000133365	9.41798E-05	9.89093E-05	1.90532E-05	8.36803E-05	0.000129048
1928	8.78924E-05	9.26306E-05	2.73203E-05	7.97555E-05	0.000132723	8.97263E-05	9.40885E-05	2.0434E-05	7.97555E-05	0.000128268
1929	8.45297E-05	8.89927E-05	2.74746E-05	7.49455E-05	0.000133295	8.56986E-05	8.97677E-05	2.10612E-05	7.49455E-05	0.0001289
1930	8.33065E-05	8.76166E-05	2.82068E-05	7.22686E-05	0.000133601	8.39176E-05	8.78111E-05	2.20698E-05	7.22686E-05	0.000129234
1931	8.2727E-05	8.69421E-05	2.88417E-05	7.03862E-05	0.000134048	8.28728E-05	8.66466E-05	2.29269E-05	7.03862E-05	0.000129732
1932	8.07197E-05	8.48564E-05	2.78369E-05	6.83559E-05	0.00011951	8.07798E-05	8.44691E-05	2.21762E-05	6.83559E-05	0.000116306
1933	7.99092E-05	8.40022E-05	2.75858E-05	6.75059E-05	0.000119765	7.99176E-05	8.35629E-05	2.2013E-05	6.75059E-05	0.000116593
1934	7.77063E-05	8.17215E-05	2.63765E-05	6.66038E-05	0.000119307	7.80283E-05	8.16301E-05	2.08148E-05	6.66038E-05	0.00011608
1935	7.8537E-05	8.2625E-05	2.62767E-05	6.82193E-05	0.000132742	7.9156E-05	8.28476E-05	2.05157E-05	6.82193E-05	0.000128269
1936	8.26319E-05	8.69376E-05	2.75898E-05	7.20189E-05	0.000130661	8.33598E-05	8.7255E-05	2.14846E-05	7.20189E-05	0.000125934
1937	8.96407E-05	9.43446E-05	2.95075E-05	7.78927E-05	0.000128623	9.03807E-05	9.46231E-05	2.29926E-05	7.78927E-05	0.000123645
1938	0.000101131	0.00010624	3.58206E-05	8.53164E-05	0.000127403	0.000101059	0.000105617	2.86676E-05	8.53164E-05	0.000122276
1939	0.000113457	0.000118759	4.56828E-05	9.14132E-05	9.71757E-05	0.00011179	0.000116447	3.78175E-05	9.14132E-05	9.41399E-05
1940	0.000117701	0.000122968	5.03748E-05	9.2742E-05	6.87441E-05	0.000115185	0.000119776	4.22498E-05	9.2742E-05	6.80657E-05
1941	0.000116666	0.00012189	4.98825E-05	8.96865E-05	5.31573E-05	0.000113471	0.000117974	4.19293E-05	8.96865E-05	5.34709E-05
1942	0.00011032	0.000115427	4.50333E-05	8.38738E-05	3.89707E-05	0.000107099	0.000111474	3.76012E-05	8.38738E-05	4.04876E-05
1943	9.93702E-05	0.000104172	3.79904E-05	7.75718E-05	3.80758E-05	9.72098E-05	0.000101369	3.11433E-05	7.75718E-05	3.94855E-05
1944	8.89156E-05	9.35468E-05	2.97112E-05	7.28182E-05	3.76203E-05	8.82307E-05	9.2314E-05	2.33675E-05	7.28182E-05	3.89764E-05
1945	7.57317E-05	7.99811E-05	2.14089E-05	6.52175E-05	3.75899E-05	7.63106E-05	8.01233E-05	1.57478E-05	6.52175E-05	3.89498E-05
1946	7.30273E-05	7.73204E-05	1.81445E-05	6.49918E-05	3.77435E-05	7.43499E-05	7.82402E-05	1.25543E-05	6.49918E-05	3.91251E-05
1947	7.29774E-05	7.73518E-05	1.70551E-05	6.61167E-05	3.84433E-05	7.4709E-05	7.86966E-05	1.13675E-05	6.61167E-05	3.99161E-05
1948	7.6501E-05	8.11257E-05	1.73794E-05	7.02305E-05	4.00953E-05	7.86236E-05	8.28602E-05	1.13266E-05	7.02305E-05	4.17761E-05
1949	8.33632E-05	8.83521E-05	1.95864E-05	7.67007E-05	4.23223E-05	8.5699E-05	9.02798E-05	1.2934E-05	7.67007E-05	4.4276E-05
1950	9.04876E-05	9.57899E-05	2.27042E-05	8.23303E-05	4.291E-05	9.26724E-05	9.75277E-05	1.55472E-05	8.23303E-05	4.48838E-05
1951	9.21437E-05	9.72899E-05	2.63557E-05	8.36803E-05	0.000133365	9.41798E-05	9.89093E-05	1.90532E-05	8.36803E-05	0.000129048
1952	8.78924E-05	9.26306E-05	2.73203E-05	7.97555E-05	0.000132723	8.97263E-05	9.40885E-05	2.0434E-05	7.97555E-05	0.000128268
1953	8.45297E-05	8.89927E-05	2.74746E-05	7.49455E-05	0.000133295	8.56986E-05	8.97677E-05	2.10612E-05	7.49455E-05	0.0001289
1954	8.33065E-05	8.76166E-05	2.82068E-05	7.22686E-05	0.000133601	8.39176E-05	8.78111E-05	2.20698E-05	7.22686E-05	0.000129234
1955	8.2727E-05	8.69421E-05	2.88417E-05	7.03862E-05	0.000134048	8.28728E-05	8.66466E-05	2.29269E-05	7.03862E-05	0.000129732
1956	8.07197E-05	8.48564E-05	2.78369E-05	6.83559E-05	0.00011951	8.07798E-05	8.44691E-05	2.21762E-05	6.83559E-05	0.000116306
1957	7.99092E-05	8.40022E-05	2.75858E-05	6.75059E-05	0.000119765	7.99176E-05	8.35629E-05	2.2013E-05	6.75059E-05	0.000116593
1958	7.77063E-05	8.17215E-05	2.63765E-05	6.66038E-05	0.000119307	7.80283E-05	8.16301E-05	2.08148E-05	6.66038E-05	0.00011608
1959	7.8537E-05	8.2625E-05	2.62767E-05	6.82193E-05	0.000132742	7.9156E-05	8.28476E-05	2.05157E-05	6.82193E-05	0.000128269
1960	8.26319E-05	8.69376E-05	2.75898E-05	7.20189E-05	0.000130661	8.33598E-05	8.7255E-05	2.14846E-05	7.20189E-05	0.000125934
1961	8.96407E-05	9.43446E-05	2.95075E-05	7.78927E-05	0.000128623	9.03807E-05	9.46231E-05	2.29926E-05	7.78927E-05	0.000123645
1962	0.000101131	0.00010624	3.58206E-05	8.53164E-05	0.000127403	0.000101059	0.000105617	2.86676E-05	8.53164E-05	0.000122276
1963	0.000113457	0.000118759	4.56828E-05	9.14132E-05	9.71757E-05	0.00011179	0.000116447	3.78175E-05	9.14132E-05	9.41399E-05
1964	0.000117701	0.000122968	5.03748E-05	9.2742E-05	6.87441E-05	0.000115185	0.000119776	4.22498E-05	9.2742E-05	6.80657E-05
1965	0.000116666	0.00012189	4.98825E-05	8.96865E-05	5.31573E-05	0.000113471	0.000117974	4.19293E-05	8.96865E-05	5.34709E-05
1966	0.00011032	0.000115427	4.50333E-05	8.38738E-05	3.89707E-05	0.000107099	0.000111474	3.76012E-05	8.38738E-05	4.04876E-05
1967	9.93702E-05	0.000104172	3.79904E-05	7.75718E-05	3.80758E-05	9.72098E-05	0.000101369	3.11433E-05	7.75718E-05	3.94855E-05

1968	8.89156E-05	9.35468E-05	2.97112E-05	7.28182E-05	3.76203E-05	8.82307E-05	9.2314E-05	2.33675E-05	7.28182E-05	3.89764E-05
1969	7.57317E-05	7.99811E-05	2.14089E-05	6.52175E-05	3.75899E-05	7.63106E-05	8.01233E-05	1.57478E-05	6.52175E-05	3.89498E-05
1970	7.30273E-05	7.73204E-05	1.81445E-05	6.49918E-05	3.77435E-05	7.43499E-05	7.82402E-05	1.25543E-05	6.49918E-05	3.91251E-05
1971	7.29774E-05	7.73518E-05	1.70551E-05	6.61167E-05	3.84433E-05	7.4709E-05	7.86966E-05	1.13675E-05	6.61167E-05	3.99161E-05
1972	7.6501E-05	8.11257E-05	1.73794E-05	7.02305E-05	4.00953E-05	7.86236E-05	8.28602E-05	1.13266E-05	7.02305E-05	4.17761E-05
1973	8.33632E-05	8.83521E-05	1.95864E-05	7.67007E-05	4.23223E-05	8.5699E-05	9.02798E-05	1.2934E-05	7.67007E-05	4.4276E-05
1974	9.04876E-05	9.57899E-05	2.27042E-05	8.23303E-05	4.291E-05	9.26724E-05	9.75277E-05	1.55472E-05	8.23303E-05	4.48838E-05
1975	9.21437E-05	9.72899E-05	2.63557E-05	8.36803E-05	0.000133365	9.41798E-05	9.89093E-05	1.90532E-05	8.36803E-05	0.000129048
1976	8.78924E-05	9.26306E-05	2.73203E-05	7.97555E-05	0.000132723	8.97263E-05	9.40885E-05	2.0434E-05	7.97555E-05	0.000128268
1977	8.45297E-05	8.89927E-05	2.74746E-05	7.49455E-05	0.000133295	8.56986E-05	8.97677E-05	2.10612E-05	7.49455E-05	0.0001289
1978	8.33065E-05	8.76166E-05	2.82068E-05	7.22686E-05	0.000133601	8.39176E-05	8.78111E-05	2.20698E-05	7.22686E-05	0.000129234
1979	8.2727E-05	8.69421E-05	2.88417E-05	7.03862E-05	0.000134048	8.28728E-05	8.66466E-05	2.29269E-05	7.03862E-05	0.000129732
1980	8.07197E-05	8.48564E-05	2.78369E-05	6.83559E-05	0.00011951	8.07798E-05	8.44691E-05	2.21762E-05	6.83559E-05	0.000116306
1981	7.99092E-05	8.40022E-05	2.75858E-05	6.75059E-05	0.000119765	7.99176E-05	8.35629E-05	2.2013E-05	6.75059E-05	0.000116593
1982	7.77063E-05	8.17215E-05	2.63765E-05	6.66038E-05	0.000119307	7.80283E-05	8.16301E-05	2.08148E-05	6.66038E-05	0.00011608
1983	7.8537E-05	8.2625E-05	2.62767E-05	6.82193E-05	0.000132742	7.9156E-05	8.28476E-05	2.05157E-05	6.82193E-05	0.000128269
1984	8.26319E-05	8.69376E-05	2.75898E-05	7.20189E-05	0.000130661	8.33598E-05	8.7255E-05	2.14846E-05	7.20189E-05	0.000125934
1985	8.96407E-05	9.43446E-05	2.95075E-05	7.78927E-05	0.000128623	9.03807E-05	9.46231E-05	2.29926E-05	7.78927E-05	0.000123645
1986	0.000101131	0.00010624	3.58206E-05	8.53164E-05	0.000127403	0.000101059	0.000105617	2.86676E-05	8.53164E-05	0.000122276
1987	0.000113457	0.000118759	4.56828E-05	9.14132E-05	9.71757E-05	0.00011179	0.000116447	3.78175E-05	9.14132E-05	9.41399E-05
1988	0.000117701	0.000122968	5.03748E-05	9.2742E-05	6.87441E-05	0.000115185	0.000119776	4.22498E-05	9.2742E-05	6.80657E-05
1989	0.000116666	0.00012189	4.98825E-05	8.96865E-05	5.31573E-05	0.000113471	0.000117974	4.19293E-05	8.96865E-05	5.34709E-05
1990	0.00011032	0.000115427	4.50333E-05	8.38738E-05	3.89707E-05	0.000107099	0.000111474	3.76012E-05	8.38738E-05	4.04876E-05
1991	9.93702E-05	0.000104172	3.79904E-05	7.75718E-05	3.80758E-05	9.72098E-05	0.000101369	3.11433E-05	7.75718E-05	3.94855E-05
1992	8.89156E-05	9.35468E-05	2.97112E-05	7.28182E-05	3.76203E-05	8.82307E-05	9.2314E-05	2.33675E-05	7.28182E-05	3.89764E-05
1993	7.57317E-05	7.99811E-05	2.14089E-05	6.52175E-05	3.75899E-05	7.63106E-05	8.01233E-05	1.57478E-05	6.52175E-05	3.89498E-05
1994	7.30273E-05	7.73204E-05	1.81445E-05	6.49918E-05	3.77435E-05	7.43499E-05	7.82402E-05	1.25543E-05	6.49918E-05	3.91251E-05
1995	7.29774E-05	7.73518E-05	1.70551E-05	6.61167E-05	3.84433E-05	7.4709E-05	7.86966E-05	1.13675E-05	6.61167E-05	3.99161E-05
1996	7.6501E-05	8.11257E-05	1.73794E-05	7.02305E-05	4.00953E-05	7.86236E-05	8.28602E-05	1.13266E-05	7.02305E-05	4.17761E-05
1997	8.33632E-05	8.83521E-05	1.95864E-05	7.67007E-05	4.23223E-05	8.5699E-05	9.02798E-05	1.2934E-05	7.67007E-05	4.4276E-05
1998	9.04876E-05	9.57899E-05	2.27042E-05	8.23303E-05	4.291E-05	9.26724E-05	9.75277E-05	1.55472E-05	8.23303E-05	4.48838E-05
1999	9.21437E-05	9.72899E-05	2.63557E-05	8.36803E-05	0.000133365	9.41798E-05	9.89093E-05	1.90532E-05	8.36803E-05	0.000129048
2000	8.78924E-05	9.26306E-05	2.73203E-05	7.97555E-05	0.000132723	8.97263E-05	9.40885E-05	2.0434E-05	7.97555E-05	0.000128268
2001	8.45297E-05	8.89927E-05	2.74746E-05	7.49455E-05	0.000133295	8.56986E-05	8.97677E-05	2.10612E-05	7.49455E-05	0.0001289
2002	8.33065E-05	8.76166E-05	2.82068E-05	7.22686E-05	0.000133601	8.39176E-05	8.78111E-05	2.20698E-05	7.22686E-05	0.000129234
2003	8.2727E-05	8.69421E-05	2.88417E-05	7.03862E-05	0.000134048	8.28728E-05	8.66466E-05	2.29269E-05	7.03862E-05	0.000129732
2004	8.07197E-05	8.48564E-05	2.78369E-05	6.83559E-05	0.00011951	8.07798E-05	8.44691E-05	2.21762E-05	6.83559E-05	0.000116306
2005	7.99092E-05	8.40022E-05	2.75858E-05	6.75059E-05	0.000119765	7.99176E-05	8.35629E-05	2.2013E-05	6.75059E-05	0.000116593
2006	7.77063E-05	8.17215E-05	2.63765E-05	6.66038E-05	0.000119307	7.80283E-05	8.16301E-05	2.08148E-05	6.66038E-05	0.00011608
2007	7.8537E-05	8.2625E-05	2.62767E-05	6.82193E-05	0.000132742	7.9156E-05	8.28476E-05	2.05157E-05	6.82193E-05	0.000128269
2008	8.26319E-05	8.69376E-05	2.75898E-05	7.20189E-05	0.000130661	8.33598E-05	8.7255E-05	2.14846E-05	7.20189E-05	0.000125934
2009	8.96407E-05	9.43446E-05	2.95075E-05	7.78927E-05	0.000128623	9.03807E-05	9.46231E-05	2.29926E-05	7.78927E-05	0.000123645
2010	0.000101131	0.00010624	3.58206E-05	8.53164E-05	0.000127403	0.000101059	0.000105617	2.86676E-05	8.53164E-05	0.000122276
2011	0.000113457	0.000118759	4.56828E-05	9.14132E-05	9.71757E-05	0.00011179	0.000116447	3.78175E-05	9.14132E-05	9.41399E-05
2012	0.000117701	0.000122968	5.03748E-05	9.2742E-05	6.87441E-05	0.000115185	0.000119776	4.22498E-05	9.2742E-05	6.80657E-05
2013	0.000116666	0.00012189	4.98825E-05	8.96865E-05	5.31573E-05	0.000113471	0.000117974	4.19293E-05	8.96865E-05	5.34709E-05
2014	0.00011032	0.000115427	4.50333E-05	8.38738E-05	3.89707E-05	0.000107099	0.000111474	3.76012E-05	8.38738E-05	4.04876E-05
2015	9.93702E-05	0.000104172	3.79904E-05	7.75718E-05	3.80758E-05	9.72098E-05	0.000101369	3.11433E-05	7.75718E-05	3.94855E-05
2016	8.89156E-05	9.35468E-05	2.97112E-05	7.28182E-05	3.76203E-05	8.82307E-05	9.2314E-05	2.33675E-05	7.28182E-05	3.89764E-05
2017	7.57317E-05	7.99811E-05	2.14089E-05	6.52175E-05	3.75899E-05	7.63106E-05	8.01233E-05	1.57478E-05	6.52175E-05	3.89498E-05
2018	7.30273E-05	7.73204E-05	1.81445E-05	6.49918E-05	3.77435E-05	7.43499E-05	7.82402E-05	1.25543E-05	6.49918E-05	3.91251E-05
2019	7.29774E-05	7.73518E-05	1.70551E-05	6.61167E-05	3.84433E-05	7.4709E-05	7.86966E-05	1.13675E-05	6.61167E-05	3.99161E-05
2020	7.6501E-05	8.11257E-05	1.73794E-05	7.02305E-05	4.00953E-05	7.86236E-05	8.28602E-05	1.13266E-05	7.02305E-05	4.17761E-05
2021	8.33632E-05	8.83521E-05	1.95864E-05	7.67007E-05	4.23223E-05	8.5699E-05	9.02798E-05	1.2934E-05	7.67007E-05	4.4276E-05
2022	9.04876E-05	9.57899E-05	2.27042E-05	8.23303E-05	4.291E-05	9.26724E-05	9.75277E-05	1.55472E-05	8.23303E-05	4.48838E-05
2023	9.21437E-05	9.72899E-05	2.63557E-05	8.36803E-05	0.000133365	9.41798E-05	9.89093E-05	1.90532E-05	8.36803E-05	0.000129048
2024	8.78924E-05	9.26306E-05	2.73203E-05	7.97555E-05	0.000132723	8.97263E-05	9.40885E-05	2.0434E-05	7.97555E-05	0.000128268
2025	8.45297E-05	8.89927E-05	2.74746E-05	7.49455E-05	0.000133295	8.56986E-05	8.97677E-05	2.10612E-05	7.49455E-05	0.0001289
2026	8.33065E-05	8.76166E-05	2.82068E-05	7.22686E-05	0.000133601	8.39176E-05	8.78111E-05	2.20698E-05	7.22686E-05	0.000129234
2027	8.2727E-05	8.69421E-05	2.88417E-05	7.03862E-05	0.000134048	8.28728E-05	8.66466E-05	2.29269E-05	7.03862E-05	0.000129732
2028	8.07197E-05	8.48564E-05	2.78369E-05	6.83559E-05	0.00011951	8.07798E-05	8.44691E-05	2.21762E-05	6.83559E-05	0.000116306
2029	7.99092E-05	8.40022E-05	2.75858E-05	6.75059E-05	0.000119765	7.99176E-05	8.35629E-05	2.2013E-05	6.75059E-05	0.000116593
2030	7.77063E-05	8.17215E-05	2.63765E-05	6.66038E-05	0.000119307	7.80283E-05	8.16301E-05	2.08148E-05	6.66038E-05	0.00011608
2031	7.8537E-05	8.2625E-05	2.62767E-05	6.82193E-05	0.000132742	7.9156E-05	8.28476E-05	2.05157E-05	6.82193E-05	0.000128269
2032	8.26319E-05	8.69376E-05	2.75898E-05	7.20189E-05	0.000130661	8.33598E-05	8.7255E-05	2.14846E-05	7.20189E-05	0.000125934
2033	8.96407E-05	9.43446E-05	2.95075E-05	7.78927E-05	0.000128623	9.03807E-05	9.46231E-05	2.29926E-05	7.78927E-05	0.000123645
2034	0.000101131	0.00010624	3.58206E-05	8.53164E-05	0.000127403	0.000101059	0.000105617	2.86676E-05	8.53164E-05	0.000122276
2035	0.000113457	0.000118759	4.56828E-05	9.14132E-05	9.71757E-05	0.00011179	0.000116447	3.78175E-05	9.14132E-05	9.41399E-05
2036	0.000117701	0.000122968	5.03748E-05	9.2742E-05	6.87441E-05	0.000115185	0.000119776	4.22498E-05	9.2742E-05	6.80657E-05
2037	0.000116666	0.00012189	4.98825E-05	8.96865E-05	5.31573E-05	0.000113471	0.000117974	4.19293E-05	8.96865E-05	5.34709E-05
2038	0.00011032	0.000115427	4.50333E-05	8.38738E-05	3.89707E-05	0.000107099	0.000111474	3.76012E-05	8.38738E-05	4.04876E-05
2039	9.93702E-05	0.000104172	3.79904E-05	7.75718E-05	3.80758E-05	9.72098E-05	0.000101369	3.11433E-05	7.75718E-05	3.94855E-05
2040	8.89156E-05	9.35468E-05	2.97112E-05	7.28182E-05	3.76203E-05	8.82307E-05	9.2314E-05	2.33675E-05	7.28182E-05	3.89764E-05
2041	7.56953E-05	7.99423E-05	2.14018E-05	6.51725E-05	3.75325E-05	7.62696E-05	8.00798E-05	1.57455E-05	6.51725E-05	3.88869E-05
2042	7.3318E-05	7.76295E-05	1.82003E-05	6.53429E-05	3.7719E-05	7.46749E-05	7.85845E-05	1.25735E-05	6.53429E-05	3.90984E-05
2043	7.32834E-05	7.76772E-05	1.71131E-05	6.64804E-05	3.84352E-05	7.50494E-05	7.90571E-05	1.13882E-05	6.64804E-05	3.99083E-05

2044	7.68372E-05	8.14834E-05	1.74417E-05	7.06187E-05	4.00782E-05	7.89942E-05	8.32527E-05	1.13507E-05	7.06187E-05	4.17583E-05
2045	8.3746E-05	8.87592E-05	1.96582E-05	7.71497E-05	4.23025E-05	8.6123E-05	9.07289E-05	1.29606E-05	7.71497E-05	4.42553E-05
2046	9.07929E-05	9.61146E-05	2.27616E-05	8.26893E-05	4.28841E-05	9.30108E-05	9.78861E-05	1.55683E-05	8.26893E-05	4.48562E-05
2047	9.40783E-05	9.93667E-05	2.64735E-05	8.42807E-05	0.000133343	9.58158E-05	0.000100644	1.91172E-05	8.42807E-05	0.000129025
2048	8.8341E-05	9.31076E-05	2.74059E-05	8.02942E-05	0.000132703	9.0227E-05	9.46188E-05	2.04639E-05	8.02942E-05	0.000128248
2049	8.50362E-05	8.95311E-05	2.75741E-05	7.55761E-05	0.000133288	8.62705E-05	9.03737E-05	2.10925E-05	7.55761E-05	0.000128893
2050	8.38128E-05	8.8155E-05	2.83036E-05	7.28782E-05	0.0001336	8.44831E-05	8.84101E-05	2.21034E-05	7.28782E-05	0.000129233
2051	8.31622E-05	8.74048E-05	2.89254E-05	7.09137E-05	0.000134044	8.33599E-05	8.71626E-05	2.29553E-05	7.09137E-05	0.000129729
2052	8.11278E-05	8.52902E-05	2.79165E-05	6.88602E-05	0.000119506	8.12394E-05	8.49561E-05	2.22019E-05	6.88602E-05	0.000116301
2053	8.03881E-05	8.45115E-05	2.76758E-05	6.80692E-05	0.000119777	8.04486E-05	8.41252E-05	2.20461E-05	6.80692E-05	0.000116606
2054	7.81026E-05	8.21431E-05	2.64493E-05	6.70563E-05	0.000119337	7.84637E-05	8.2091E-05	2.08437E-05	6.70563E-05	0.000116114
2055	7.884E-05	8.29471E-05	2.63356E-05	6.85919E-05	0.000132765	7.94968E-05	8.32087E-05	2.05349E-05	6.85919E-05	0.000128296
2056	8.29339E-05	8.72582E-05	2.76532E-05	7.24283E-05	0.000130668	8.37107E-05	8.76271E-05	2.14996E-05	7.24283E-05	0.000125942
2057	8.99822E-05	9.47071E-05	2.95789E-05	7.83539E-05	0.000128621	9.0777E-05	9.50432E-05	2.30098E-05	7.83539E-05	0.000123644
2058	0.000101501	0.000106633	3.58973E-05	8.58101E-05	0.0001274	0.000101487	0.00010607	2.8687E-05	8.58101E-05	0.000122272
2059	0.000113848	0.000119174	4.5761E-05	9.1912E-05	9.71712E-05	0.000112235	0.000116918	3.78403E-05	9.1912E-05	9.41355E-05
2060	0.000118158	0.000123453	5.04668E-05	9.33297E-05	6.87338E-05	0.000115706	0.000120328	4.2276E-05	9.33297E-05	6.8055E-05
2061	0.000115618	0.000120756	4.99417E-05	9.02132E-05	5.31374E-05	0.000112843	0.000117308	4.19175E-05	9.02132E-05	5.34499E-05
2062	0.00011094	0.000116086	4.51556E-05	8.46498E-05	3.89419E-05	0.0001078	0.000112217	3.76392E-05	8.46498E-05	4.04568E-05
2063	0.000100152	0.000105004	3.81369E-05	7.84875E-05	3.80436E-05	9.80758E-05	0.000102286	3.11979E-05	7.84875E-05	3.94509E-05
2064	8.92996E-05	9.3955E-05	2.97861E-05	7.32925E-05	3.753E-05	8.86632E-05	9.27723E-05	2.33916E-05	7.32925E-05	3.88772E-05
2065	7.56953E-05	7.99423E-05	2.14018E-05	6.51725E-05	3.75325E-05	7.62696E-05	8.00798E-05	1.57455E-05	6.51725E-05	3.88869E-05
2066	7.3318E-05	7.76295E-05	1.82003E-05	6.53429E-05	3.7719E-05	7.46749E-05	7.85845E-05	1.25735E-05	6.53429E-05	3.90984E-05
2067	7.32834E-05	7.76772E-05	1.71131E-05	6.64804E-05	3.84352E-05	7.50494E-05	7.90571E-05	1.13882E-05	6.64804E-05	3.99083E-05
2068	7.68372E-05	8.14834E-05	1.74417E-05	7.06187E-05	4.00782E-05	7.89942E-05	8.32527E-05	1.13507E-05	7.06187E-05	4.17583E-05
2069	8.3746E-05	8.87592E-05	1.96582E-05	7.71497E-05	4.23025E-05	8.6123E-05	9.07289E-05	1.29606E-05	7.71497E-05	4.42553E-05
2070	9.07929E-05	9.61146E-05	2.27616E-05	8.26893E-05	4.28841E-05	9.30108E-05	9.78861E-05	1.55683E-05	8.26893E-05	4.48562E-05
2071	9.40783E-05	9.93667E-05	2.64735E-05	8.42807E-05	0.000133343	9.58158E-05	0.000100644	1.91172E-05	8.42807E-05	0.000129025
2072	8.8341E-05	9.31076E-05	2.74059E-05	8.02942E-05	0.000132703	9.0227E-05	9.46188E-05	2.04639E-05	8.02942E-05	0.000128248
2073	8.50362E-05	8.95311E-05	2.75741E-05	7.55761E-05	0.000133288	8.62705E-05	9.03737E-05	2.10925E-05	7.55761E-05	0.000128893
2074	8.38128E-05	8.8155E-05	2.83036E-05	7.28782E-05	0.0001336	8.44831E-05	8.84101E-05	2.21034E-05	7.28782E-05	0.000129233
2075	8.31622E-05	8.74048E-05	2.89254E-05	7.09137E-05	0.000134044	8.33599E-05	8.71626E-05	2.29553E-05	7.09137E-05	0.000129729
2076	8.11278E-05	8.52902E-05	2.79165E-05	6.88602E-05	0.000119506	8.12394E-05	8.49561E-05	2.22019E-05	6.88602E-05	0.000116301
2077	8.03881E-05	8.45115E-05	2.76758E-05	6.80692E-05	0.000119777	8.04486E-05	8.41252E-05	2.20461E-05	6.80692E-05	0.000116606
2078	7.81026E-05	8.21431E-05	2.64493E-05	6.70563E-05	0.000119337	7.84637E-05	8.2091E-05	2.08437E-05	6.70563E-05	0.000116114
2079	7.884E-05	8.29471E-05	2.63356E-05	6.85919E-05	0.000132765	7.94968E-05	8.32087E-05	2.05349E-05	6.85919E-05	0.000128296
2080	8.29339E-05	8.72582E-05	2.76532E-05	7.24283E-05	0.000130668	8.37107E-05	8.76271E-05	2.14996E-05	7.24283E-05	0.000125942
2081	8.99822E-05	9.47071E-05	2.95789E-05	7.83539E-05	0.000128621	9.0777E-05	9.50432E-05	2.30098E-05	7.83539E-05	0.000123644
2082	0.000101501	0.000106633	3.58973E-05	8.58101E-05	0.0001274	0.000101487	0.00010607	2.8687E-05	8.58101E-05	0.000122272
2083	0.000113848	0.000119174	4.5761E-05	9.1912E-05	9.71712E-05	0.000112235	0.000116918	3.78403E-05	9.1912E-05	9.41355E-05
2084	0.000118158	0.000123453	5.04668E-05	9.33297E-05	6.87338E-05	0.000115706	0.000120328	4.2276E-05	9.33297E-05	6.8055E-05
2085	0.000115618	0.000120756	4.99417E-05	9.02132E-05	5.31374E-05	0.000112843	0.000117308	4.19175E-05	9.02132E-05	5.34499E-05
2086	0.00011094	0.000116086	4.51556E-05	8.46498E-05	3.89419E-05	0.0001078	0.000112217	3.76392E-05	8.46498E-05	4.04568E-05
2087	0.000100152	0.000105004	3.81369E-05	7.84875E-05	3.80436E-05	9.80758E-05	0.000102286	3.11979E-05	7.84875E-05	3.94509E-05
2088	8.92996E-05	9.3955E-05	2.97861E-05	7.32925E-05	3.753E-05	8.86632E-05	9.27723E-05	2.33916E-05	7.32925E-05	3.88772E-05
2089	7.57317E-05	7.99811E-05	2.14089E-05	6.52175E-05	3.75899E-05	7.63106E-05	8.01233E-05	1.57478E-05	6.52175E-05	3.89498E-05
2090	7.30273E-05	7.73204E-05	1.81445E-05	6.49918E-05	3.77435E-05	7.43499E-05	7.82402E-05	1.25543E-05	6.49918E-05	3.91251E-05
2091	7.29774E-05	7.73518E-05	1.70551E-05	6.61167E-05	3.84433E-05	7.4709E-05	7.86966E-05	1.13675E-05	6.61167E-05	3.99161E-05
2092	7.6501E-05	8.11257E-05	1.73794E-05	7.02305E-05	4.00953E-05	7.86236E-05	8.28602E-05	1.13266E-05	7.02305E-05	4.17761E-05
2093	8.33632E-05	8.83521E-05	1.95864E-05	7.67007E-05	4.23223E-05	8.5699E-05	9.02798E-05	1.2934E-05	7.67007E-05	4.4276E-05
2094	9.04876E-05	9.57899E-05	2.27042E-05	8.23303E-05	4.291E-05	9.26724E-05	9.75277E-05	1.55472E-05	8.23303E-05	4.48838E-05
2095	9.21437E-05	9.72899E-05	2.63557E-05	8.36803E-05	0.000133365	9.41798E-05	9.89093E-05	1.90532E-05	8.36803E-05	0.000129048
2096	8.78924E-05	9.26306E-05	2.73203E-05	7.97555E-05	0.000132723	8.97263E-05	9.40885E-05	2.0434E-05	7.97555E-05	0.000128268
2097	8.45297E-05	8.89927E-05	2.74746E-05	7.49455E-05	0.000133295	8.56986E-05	8.97677E-05	2.10612E-05	7.49455E-05	0.0001289
2098	8.33065E-05	8.76166E-05	2.82068E-05	7.22686E-05	0.000133601	8.39176E-05	8.78111E-05	2.20698E-05	7.22686E-05	0.000129234
2099	8.2727E-05	8.69421E-05	2.88417E-05	7.03862E-05	0.000134048	8.28728E-05	8.66466E-05	2.29269E-05	7.03862E-05	0.000129732
2100	8.07197E-05	8.48564E-05	2.78369E-05	6.83559E-05	0.00011951	8.07798E-05	8.44691E-05	2.21762E-05	6.83559E-05	0.000116306
2101	7.99092E-05	8.40022E-05	2.75858E-05	6.75059E-05	0.000119765	7.99176E-05	8.35629E-05	2.2013E-05	6.75059E-05	0.000116593
2102	7.77063E-05	8.17215E-05	2.63765E-05	6.66038E-05	0.000119307	7.80283E-05	8.16301E-05	2.08148E-05	6.66038E-05	0.00011608
2103	7.8537E-05	8.2625E-05	2.62767E-05	6.82193E-05	0.000132742	7.9156E-05	8.28476E-05	2.05157E-05	6.82193E-05	0.000128269
2104	8.26319E-05	8.69376E-05	2.75898E-05	7.20189E-05	0.000130661	8.33598E-05	8.7255E-05	2.14846E-05	7.20189E-05	0.000125934
2105	8.96407E-05	9.43446E-05	2.95075E-05	7.78927E-05	0.000128623	9.03807E-05	9.46231E-05	2.29926E-05	7.78927E-05	0.000123645
2106	0.000101131	0.00010624	3.58206E-05	8.53164E-05	0.000127403	0.000101059	0.000105617	2.86676E-05	8.53164E-05	0.000122276
2107	0.000113457	0.000118759	4.56828E-05	9.14132E-05	9.71757E-05	0.00011179	0.000116447	3.78175E-05	9.14132E-05	9.41399E-05
2108	0.000117701	0.000122968	5.03748E-05	9.2742E-05	6.87441E-05	0.000115185	0.000119776	4.22498E-05	9.2742E-05	6.80657E-05
2109	0.000116666	0.00012189	4.98825E-05	8.96865E-05	5.31573E-05	0.000113471	0.000117974	4.19293E-05	8.96865E-05	5.34709E-05
2110	0.00011032	0.000115427	4.50333E-05	8.38738E-05	3.89707E-05	0.000107099	0.000111474	3.76012E-05	8.38738E-05	4.04876E-05
2111	9.93702E-05	0.000104172	3.79904E-05	7.75718E-05	3.80758E-05	9.72098E-05	0.000101369	3.11433E-05	7.75718E-05	3.94855E-05
2112	8.89156E-05	9.35468E-05	2.97112E-05	7.28182E-05	3.76203E-05	8.82307E-05	9.2314E-05	2.33675E-05	7.28182E-05	3.89764E-05
2113	7.57317E-05	7.99811E-05	2.14089E-05	6.52175E-05	3.75899E-05	7.63106E-05	8.01233E-05	1.57478E-05	6.52175E-05	3.89498E-05
2114	7.30273E-05	7.73204E-05	1.81445E-05	6.49918E-05	3.77435E-05	7.43499E-05	7.82402E-05	1.25543E-05	6.49918E-05	3.91251E-05
2115	7.29774E-05	7.73518E-05	1.70551E-05	6.61167E-05	3.84433E-05	7.4709E-05	7.86966E-05	1.13675E-05	6.61167E-05	3.99161E-05
2116	7.6501E-05	8.11257E-05	1.73794E-05	7.02305E-05	4.00953E-05	7.86236E-05	8.28602E-05	1.13266E-05	7.02305E-05	4.17761E-05
2117	8.33632E-05	8.83521E-05	1.95864E-05	7.67007E-05	4.23223E-05	8.5699E-05	9.02798E-05	1.2934E-05	7.67007E-05	4.4276E-05
2118	9.04876E-05	9.57899E-05	2.27042E-05	8.23303E-05	4.291E-05	9.26724E-05	9.75277E-05	1.55472E-05	8.23303E-05	4.48838E-05
2119	9.21437E-05	9.72899E-05	2.63557E-05	8.36803E-05	0.000133365	9.41798E-05	9.89093E-05	1.90532E-05	8.36803E-05	0.000129048

2120	8.78924E-05	9.26306E-05	2.73203E-05	7.97555E-05	0.000132723	8.97263E-05	9.40885E-05	2.0434E-05	7.97555E-05	0.000128268
2121	8.45297E-05	8.89927E-05	2.74746E-05	7.49455E-05	0.000133295	8.56986E-05	8.97677E-05	2.10612E-05	7.49455E-05	0.0001289
2122	8.33065E-05	8.76166E-05	2.82068E-05	7.22686E-05	0.000133601	8.39176E-05	8.78111E-05	2.20698E-05	7.22686E-05	0.000129234
2123	8.2727E-05	8.69421E-05	2.88417E-05	7.03862E-05	0.000134048	8.28728E-05	8.66466E-05	2.29269E-05	7.03862E-05	0.000129732
2124	8.07197E-05	8.48564E-05	2.78369E-05	6.83559E-05	0.00011951	8.07798E-05	8.44691E-05	2.21762E-05	6.83559E-05	0.000116306
2125	7.99092E-05	8.40022E-05	2.75858E-05	6.75059E-05	0.000119765	7.99176E-05	8.35629E-05	2.2013E-05	6.75059E-05	0.000116593
2126	7.77063E-05	8.17215E-05	2.63765E-05	6.66038E-05	0.000119307	7.80283E-05	8.16301E-05	2.08148E-05	6.66038E-05	0.00011608
2127	7.8537E-05	8.2625E-05	2.62767E-05	6.82193E-05	0.000132742	7.9156E-05	8.28476E-05	2.05157E-05	6.82193E-05	0.000128269
2128	8.26319E-05	8.69376E-05	2.75898E-05	7.20189E-05	0.000130661	8.33598E-05	8.7255E-05	2.14846E-05	7.20189E-05	0.000125934
2129	8.96407E-05	9.43446E-05	2.95075E-05	7.78927E-05	0.000128623	9.03807E-05	9.46231E-05	2.29926E-05	7.78927E-05	0.000123645
2130	0.000101131	0.00010624	3.58206E-05	8.53164E-05	0.000127403	0.000101059	0.000105617	2.86676E-05	8.53164E-05	0.000122276
2131	0.000113457	0.000118759	4.56828E-05	9.14132E-05	9.71757E-05	0.00011179	0.000116447	3.78175E-05	9.14132E-05	9.41399E-05
2132	0.000117701	0.000122968	5.03748E-05	9.2742E-05	6.87441E-05	0.000115185	0.000119776	4.22498E-05	9.2742E-05	6.80657E-05
2133	0.000116666	0.00012189	4.98825E-05	8.96865E-05	5.31573E-05	0.000113471	0.000117974	4.19293E-05	8.96865E-05	5.34709E-05
2134	0.00011032	0.000115427	4.50333E-05	8.38738E-05	3.89707E-05	0.000107099	0.000111474	3.76012E-05	8.38738E-05	4.04876E-05
2135	9.93702E-05	0.000104172	3.79904E-05	7.75718E-05	3.80758E-05	9.72098E-05	0.000101369	3.11433E-05	7.75718E-05	3.94855E-05
2136	8.89156E-05	9.35468E-05	2.97112E-05	7.28182E-05	3.76203E-05	8.82307E-05	9.2314E-05	2.33675E-05	7.28182E-05	3.89764E-05
2137	7.57317E-05	7.99811E-05	2.14089E-05	6.52175E-05	3.75899E-05	7.63106E-05	8.01233E-05	1.57478E-05	6.52175E-05	3.89498E-05
2138	7.30273E-05	7.73204E-05	1.81445E-05	6.49918E-05	3.77435E-05	7.43499E-05	7.82402E-05	1.25543E-05	6.49918E-05	3.91251E-05
2139	7.29774E-05	7.73518E-05	1.70551E-05	6.61167E-05	3.84433E-05	7.4709E-05	7.86966E-05	1.13675E-05	6.61167E-05	3.99161E-05
2140	7.6501E-05	8.11257E-05	1.73794E-05	7.02305E-05	4.00953E-05	7.86236E-05	8.28602E-05	1.13266E-05	7.02305E-05	4.17761E-05
2141	8.33632E-05	8.83521E-05	1.95864E-05	7.67007E-05	4.23223E-05	8.5699E-05	9.02798E-05	1.2934E-05	7.67007E-05	4.4276E-05
2142	9.04876E-05	9.57899E-05	2.27042E-05	8.23303E-05	4.291E-05	9.26724E-05	9.75277E-05	1.55472E-05	8.23303E-05	4.48838E-05
2143	9.21437E-05	9.72899E-05	2.63557E-05	8.36803E-05	0.000133365	9.41798E-05	9.89093E-05	1.90532E-05	8.36803E-05	0.000129048
2144	8.78924E-05	9.26306E-05	2.73203E-05	7.97555E-05	0.000132723	8.97263E-05	9.40885E-05	2.0434E-05	7.97555E-05	0.000128268
2145	8.45297E-05	8.89927E-05	2.74746E-05	7.49455E-05	0.000133295	8.56986E-05	8.97677E-05	2.10612E-05	7.49455E-05	0.0001289
2146	8.33065E-05	8.76166E-05	2.82068E-05	7.22686E-05	0.000133601	8.39176E-05	8.78111E-05	2.20698E-05	7.22686E-05	0.000129234
2147	8.2727E-05	8.69421E-05	2.88417E-05	7.03862E-05	0.000134048	8.28728E-05	8.66466E-05	2.29269E-05	7.03862E-05	0.000129732
2148	8.07197E-05	8.48564E-05	2.78369E-05	6.83559E-05	0.00011951	8.07798E-05	8.44691E-05	2.21762E-05	6.83559E-05	0.000116306
2149	7.99092E-05	8.40022E-05	2.75858E-05	6.75059E-05	0.000119765	7.99176E-05	8.35629E-05	2.2013E-05	6.75059E-05	0.000116593
2150	7.77063E-05	8.17215E-05	2.63765E-05	6.66038E-05	0.000119307	7.80283E-05	8.16301E-05	2.08148E-05	6.66038E-05	0.00011608
2151	7.8537E-05	8.2625E-05	2.62767E-05	6.82193E-05	0.000132742	7.9156E-05	8.28476E-05	2.05157E-05	6.82193E-05	0.000128269
2152	8.26319E-05	8.69376E-05	2.75898E-05	7.20189E-05	0.000130661	8.33598E-05	8.7255E-05	2.14846E-05	7.20189E-05	0.000125934
2153	8.96407E-05	9.43446E-05	2.95075E-05	7.78927E-05	0.000128623	9.03807E-05	9.46231E-05	2.29926E-05	7.78927E-05	0.000123645
2154	0.000101131	0.00010624	3.58206E-05	8.53164E-05	0.000127403	0.000101059	0.000105617	2.86676E-05	8.53164E-05	0.000122276
2155	0.000113457	0.000118759	4.56828E-05	9.14132E-05	9.71757E-05	0.00011179	0.000116447	3.78175E-05	9.14132E-05	9.41399E-05
2156	0.000117701	0.000122968	5.03748E-05	9.2742E-05	6.87441E-05	0.000115185	0.000119776	4.22498E-05	9.2742E-05	6.80657E-05
2157	0.000116666	0.00012189	4.98825E-05	8.96865E-05	5.31573E-05	0.000113471	0.000117974	4.19293E-05	8.96865E-05	5.34709E-05
2158	0.00011032	0.000115427	4.50333E-05	8.38738E-05	3.89707E-05	0.000107099	0.000111474	3.76012E-05	8.38738E-05	4.04876E-05
2159	9.93702E-05	0.000104172	3.79904E-05	7.75718E-05	3.80758E-05	9.72098E-05	0.000101369	3.11433E-05	7.75718E-05	3.94855E-05
2160	8.89156E-05	9.35468E-05	2.97112E-05	7.28182E-05	3.76203E-05	8.82307E-05	9.2314E-05	2.33675E-05	7.28182E-05	3.89764E-05
2161	7.57317E-05	7.99811E-05	2.14089E-05	6.52175E-05	3.75899E-05	7.63106E-05	8.01233E-05	1.57478E-05	6.52175E-05	3.89498E-05
2162	7.30273E-05	7.73204E-05	1.81445E-05	6.49918E-05	3.77435E-05	7.43499E-05	7.82402E-05	1.25543E-05	6.49918E-05	3.91251E-05
2163	7.29774E-05	7.73518E-05	1.70551E-05	6.61167E-05	3.84433E-05	7.4709E-05	7.86966E-05	1.13675E-05	6.61167E-05	3.99161E-05
2164	7.6501E-05	8.11257E-05	1.73794E-05	7.02305E-05	4.00953E-05	7.86236E-05	8.28602E-05	1.13266E-05	7.02305E-05	4.17761E-05
2165	8.33632E-05	8.83521E-05	1.95864E-05	7.67007E-05	4.23223E-05	8.5699E-05	9.02798E-05	1.2934E-05	7.67007E-05	4.4276E-05
2166	9.04876E-05	9.57899E-05	2.27042E-05	8.23303E-05	4.291E-05	9.26724E-05	9.75277E-05	1.55472E-05	8.23303E-05	4.48838E-05
2167	9.21437E-05	9.72899E-05	2.63557E-05	8.36803E-05	0.000133365	9.41798E-05	9.89093E-05	1.90532E-05	8.36803E-05	0.000129048
2168	8.78924E-05	9.26306E-05	2.73203E-05	7.97555E-05	0.000132723	8.97263E-05	9.40885E-05	2.0434E-05	7.97555E-05	0.000128268
2169	8.45297E-05	8.89927E-05	2.74746E-05	7.49455E-05	0.000133295	8.56986E-05	8.97677E-05	2.10612E-05	7.49455E-05	0.0001289
2170	8.33065E-05	8.76166E-05	2.82068E-05	7.22686E-05	0.000133601	8.39176E-05	8.78111E-05	2.20698E-05	7.22686E-05	0.000129234
2171	8.2727E-05	8.69421E-05	2.88417E-05	7.03862E-05	0.000134048	8.28728E-05	8.66466E-05	2.29269E-05	7.03862E-05	0.000129732
2172	8.07197E-05	8.48564E-05	2.78369E-05	6.83559E-05	0.00011951	8.07798E-05	8.44691E-05	2.21762E-05	6.83559E-05	0.000116306
2173	7.99092E-05	8.40022E-05	2.75858E-05	6.75059E-05	0.000119765	7.99176E-05	8.35629E-05	2.2013E-05	6.75059E-05	0.000116593
2174	7.77063E-05	8.17215E-05	2.63765E-05	6.66038E-05	0.000119307	7.80283E-05	8.16301E-05	2.08148E-05	6.66038E-05	0.00011608
2175	7.8537E-05	8.2625E-05	2.62767E-05	6.82193E-05	0.000132742	7.9156E-05	8.28476E-05	2.05157E-05	6.82193E-05	0.000128269
2176	8.26319E-05	8.69376E-05	2.75898E-05	7.20189E-05	0.000130661	8.33598E-05	8.7255E-05	2.14846E-05	7.20189E-05	0.000125934
2177	8.96407E-05	9.43446E-05	2.95075E-05	7.78927E-05	0.000128623	9.03807E-05	9.46231E-05	2.29926E-05	7.78927E-05	0.000123645
2178	0.000101131	0.00010624	3.58206E-05	8.53164E-05	0.000127403	0.000101059	0.000105617	2.86676E-05	8.53164E-05	0.000122276
2179	0.000113457	0.000118759	4.56828E-05	9.14132E-05	9.71757E-05	0.00011179	0.000116447	3.78175E-05	9.14132E-05	9.41399E-05
2180	0.000117701	0.000122968	5.03748E-05	9.2742E-05	6.87441E-05	0.000115185	0.000119776	4.22498E-05	9.2742E-05	6.80657E-05
2181	0.000116666	0.00012189	4.98825E-05	8.96865E-05	5.31573E-05	0.000113471	0.000117974	4.19293E-05	8.96865E-05	5.34709E-05
2182	0.00011032	0.000115427	4.50333E-05	8.38738E-05	3.89707E-05	0.000107099	0.000111474	3.76012E-05	8.38738E-05	4.04876E-05
2183	9.93702E-05	0.000104172	3.79904E-05	7.75718E-05	3.80758E-05	9.72098E-05	0.000101369	3.11433E-05	7.75718E-05	3.94855E-05
2184	8.89156E-05	9.35468E-05	2.97112E-05	7.28182E-05	3.76203E-05	8.82307E-05	9.2314E-05	2.33675E-05	7.28182E-05	3.89764E-05
2185	6.39694E-05	6.74785E-05	1.91102E-05	5.066E-05	3.75553E-05	6.30553E-05	6.60799E-05	1.50111E-05	5.066E-05	3.88975E-05
2186	6.13577E-05	6.49178E-05	1.58466E-05	5.04077E-05	3.79106E-05	6.11572E-05	6.42619E-05	1.18386E-05	5.04077E-05	3.93032E-05
2187	6.19756E-05	6.56586E-05	1.48923E-05	5.23965E-05	3.89749E-05	6.22799E-05	6.55277E-05	1.06895E-05	5.23965E-05	4.05062E-05
2188	6.65593E-05	7.0561E-05	1.54013E-05	5.76387E-05	4.10903E-05	6.73346E-05	7.08978E-05	1.07348E-05	5.76387E-05	4.28863E-05
2189	7.32061E-05	7.75658E-05	1.74728E-05	6.30799E-05	4.32778E-05	7.39409E-05	7.78144E-05	1.24106E-05	6.30799E-05	4.534E-05
2190	7.8367E-05	8.29196E-05	2.0168E-05	6.59612E-05	4.36808E-05	7.8607E-05	8.26154E-05	1.4935E-05	6.59612E-05	4.57357E-05
2191	7.81338E-05	8.24085E-05	2.34872E-05	6.52753E-05	0.000134237	7.80752E-05	8.18389E-05	1.82902E-05	6.52753E-05	0.000130015
2192	7.39186E-05	7.77769E-05	2.45946E-05	6.25037E-05	0.000133401	7.39916E-05	7.74186E-05	1.95542E-05	6.25037E-05	0.000129022
2193	7.17774E-05	7.54354E-05	2.5014E-05	5.94203E-05	0.000133802	7.14041E-05	7.46254E-05	2.02348E-05	5.94203E-05	0.00012946
2194	7.14867E-05	7.50503E-05	2.59304E-05	5.79143E-05	0.000134019	7.0679E-05	7.37875E-05	2.13E-05	5.79143E-05	0.000129694
2195	7.14685E-05	7.497E-05	2.67067E-05	5.69849E-05	0.000134194	7.03434E-05	7.33764E-05	2.21645E-05	5.69849E-05	0.000129885

2196	6.95111E-05	7.29324E-05	2.57746E-05	5.55309E-05	0.000119755	6.84595E-05	7.14245E-05	2.13617E-05	5.55309E-05	0.000116566
2197	6.79293E-05	7.12557E-05	2.54062E-05	5.39991E-05	0.000119575	6.68091E-05	6.96854E-05	2.11209E-05	5.39991E-05	0.000116362
2198	6.77267E-05	7.11139E-05	2.44255E-05	5.4247E-05	0.000118606	6.67803E-05	6.97133E-05	2.01904E-05	5.4247E-05	0.000115273
2199	7.10313E-05	7.46608E-05	2.46327E-05	5.74837E-05	0.000131567	7.02681E-05	7.342E-05	2.02009E-05	5.74837E-05	0.00012693
2200	7.66336E-05	8.05839E-05	2.61335E-05	6.22757E-05	0.000129599	7.59113E-05	7.93456E-05	2.1358E-05	6.22757E-05	0.000124725
2201	8.18378E-05	8.60694E-05	2.77415E-05	6.6267E-05	0.000127992	8.10029E-05	8.46723E-05	2.27153E-05	6.6267E-05	0.000122928
2202	9.00701E-05	9.44925E-05	3.35361E-05	7.06238E-05	0.000127045	8.82967E-05	9.20874E-05	2.80826E-05	7.06238E-05	0.000121871
2203	0.000100861	0.000105376	4.31483E-05	7.52292E-05	9.68702E-05	9.74187E-05	0.000101216	3.70924E-05	7.52292E-05	9.37936E-05
2204	0.000104767	0.000109221	4.78268E-05	7.65684E-05	6.83987E-05	0.00010056	0.00010428	4.14576E-05	7.65684E-05	6.76685E-05
2205	0.000103107	0.000107477	4.72364E-05	7.29361E-05	5.27441E-05	9.81993E-05	0.000101795	4.10766E-05	7.29361E-05	5.29919E-05
2206	9.58405E-05	0.000100027	4.23254E-05	6.69484E-05	3.85143E-05	9.10773E-05	9.45076E-05	3.65875E-05	6.69484E-05	3.99602E-05
2207	8.41594E-05	8.79912E-05	3.51738E-05	6.00207E-05	3.791E-05	8.04468E-05	8.36192E-05	3.00537E-05	6.00207E-05	3.92852E-05
2208	7.42293E-05	7.79271E-05	2.69572E-05	5.5591E-05	3.76468E-05	7.19621E-05	7.50857E-05	2.23456E-05	5.5591E-05	3.89946E-05
2209	6.36896E-05	6.71813E-05	1.90512E-05	5.02788E-05	3.75639E-05	6.27295E-05	6.57345E-05	1.49973E-05	5.02788E-05	3.89062E-05
2210	6.11069E-05	6.46517E-05	1.57918E-05	5.00498E-05	3.79235E-05	6.08604E-05	6.39472E-05	1.1828E-05	5.00498E-05	3.93164E-05
2211	6.17728E-05	6.54437E-05	1.48455E-05	5.20873E-05	3.89842E-05	6.20341E-05	6.52668E-05	1.06831E-05	5.20873E-05	4.05156E-05
2212	6.63785E-05	7.03701E-05	1.53515E-05	5.72971E-05	4.11018E-05	6.70959E-05	7.0644E-05	1.07362E-05	5.72971E-05	4.28989E-05
2213	7.31223E-05	7.7478E-05	1.74399E-05	6.28409E-05	4.33121E-05	7.38062E-05	7.76707E-05	1.24199E-05	6.28409E-05	4.53781E-05
2214	7.82657E-05	8.28128E-05	2.01358E-05	6.57348E-05	4.37342E-05	7.84628E-05	8.24618E-05	1.49395E-05	6.57348E-05	4.57949E-05
2215	7.95813E-05	8.39679E-05	2.35033E-05	6.52205E-05	0.000134282	7.91466E-05	8.29753E-05	1.83293E-05	6.52205E-05	0.000130065
2216	7.36739E-05	7.75169E-05	2.45455E-05	6.21902E-05	0.000133483	7.37126E-05	7.7123E-05	1.954E-05	6.21902E-05	0.000129113
2217	7.14982E-05	7.51388E-05	2.49577E-05	5.90607E-05	0.000133937	7.10853E-05	7.42875E-05	2.02188E-05	5.90607E-05	0.00012961
2218	7.12715E-05	7.48217E-05	2.58867E-05	5.76348E-05	0.000134162	7.04326E-05	7.35264E-05	2.1288E-05	5.76348E-05	0.000129852
2219	7.12593E-05	7.47477E-05	2.66645E-05	5.67157E-05	0.000134351	7.01046E-05	7.31234E-05	2.21525E-05	5.67157E-05	0.000130059
2220	6.93629E-05	7.27751E-05	2.57413E-05	5.53123E-05	0.000119848	6.8282E-05	7.12361E-05	2.13562E-05	5.53123E-05	0.000116667
2221	6.77901E-05	7.11081E-05	2.53739E-05	5.37852E-05	0.000119661	6.66399E-05	6.95057E-05	2.11166E-05	5.37852E-05	0.000116456
2222	6.76314E-05	7.1013E-05	2.44022E-05	5.40912E-05	0.000118687	6.66617E-05	6.95874E-05	2.01885E-05	5.40912E-05	0.000115362
2223	7.08824E-05	7.45026E-05	2.46023E-05	5.72886E-05	0.000131627	7.00971E-05	7.32388E-05	2.01927E-05	5.72886E-05	0.000126995
2224	7.65502E-05	8.04955E-05	2.6114E-05	6.21465E-05	0.000129627	7.58096E-05	7.92376E-05	2.13556E-05	6.21465E-05	0.000124756
2225	8.19118E-05	8.61479E-05	2.77587E-05	6.6381E-05	0.000127995	8.10929E-05	8.47678E-05	2.27175E-05	6.6381E-05	0.000122931
2226	9.01309E-05	9.45569E-05	3.35502E-05	7.07169E-05	0.000127041	8.83705E-05	9.21657E-05	2.80845E-05	7.07169E-05	0.000121867
2227	0.000100912	0.00010543	4.31544E-05	7.5261E-05	9.68558E-05	9.74669E-05	0.000101267	3.7099E-05	7.5261E-05	9.37776E-05
2228	0.000104837	0.000109297	4.78297E-05	7.65676E-05	6.8397E-05	0.000100613	0.000104336	4.14714E-05	7.65676E-05	6.76673E-05
2229	0.000101511	0.000105761	4.71833E-05	7.27422E-05	5.27227E-05	9.69416E-05	0.000100461	4.10352E-05	7.27422E-05	5.29687E-05
2230	9.5854E-05	0.000100041	4.23237E-05	6.69292E-05	3.84968E-05	9.10819E-05	9.45122E-05	3.65922E-05	6.69292E-05	3.99413E-05
2231	8.42164E-05	8.80521E-05	3.51806E-05	6.00559E-05	3.78905E-05	8.05005E-05	8.36758E-05	3.0061E-05	6.00559E-05	3.92641E-05
2232	7.42654E-05	7.79657E-05	2.69625E-05	5.56208E-05	3.76157E-05	7.19984E-05	7.5124E-05	2.23495E-05	5.56208E-05	3.89605E-05
2233	6.36896E-05	6.71813E-05	1.90512E-05	5.02788E-05	3.75639E-05	6.27295E-05	6.57345E-05	1.49973E-05	5.02788E-05	3.89062E-05
2234	6.11069E-05	6.46517E-05	1.57918E-05	5.00498E-05	3.79235E-05	6.08604E-05	6.39472E-05	1.1828E-05	5.00498E-05	3.93164E-05
2235	6.17728E-05	6.54437E-05	1.48455E-05	5.20873E-05	3.89842E-05	6.20341E-05	6.52668E-05	1.06831E-05	5.20873E-05	4.05156E-05
2236	6.63785E-05	7.03701E-05	1.53515E-05	5.72971E-05	4.11018E-05	6.70959E-05	7.0644E-05	1.07362E-05	5.72971E-05	4.28989E-05
2237	7.31223E-05	7.7478E-05	1.74399E-05	6.28409E-05	4.33121E-05	7.38062E-05	7.76707E-05	1.24199E-05	6.28409E-05	4.53781E-05
2238	7.82657E-05	8.28128E-05	2.01358E-05	6.57348E-05	4.37342E-05	7.84628E-05	8.24618E-05	1.49395E-05	6.57348E-05	4.57949E-05
2239	7.95813E-05	8.39679E-05	2.35033E-05	6.52205E-05	0.000134282	7.91466E-05	8.29753E-05	1.83293E-05	6.52205E-05	0.000130065
2240	7.36739E-05	7.75169E-05	2.45455E-05	6.21902E-05	0.000133483	7.37126E-05	7.7123E-05	1.954E-05	6.21902E-05	0.000129113
2241	7.14982E-05	7.51388E-05	2.49577E-05	5.90607E-05	0.000133937	7.10853E-05	7.42875E-05	2.02188E-05	5.90607E-05	0.00012961
2242	7.12715E-05	7.48217E-05	2.58867E-05	5.76348E-05	0.000134162	7.04326E-05	7.35264E-05	2.1288E-05	5.76348E-05	0.000129852
2243	7.12593E-05	7.47477E-05	2.66645E-05	5.67157E-05	0.000134351	7.01046E-05	7.31234E-05	2.21525E-05	5.67157E-05	0.000130059
2244	6.93629E-05	7.27751E-05	2.57413E-05	5.53123E-05	0.000119848	6.8282E-05	7.12361E-05	2.13562E-05	5.53123E-05	0.000116667
2245	6.77901E-05	7.11081E-05	2.53739E-05	5.37852E-05	0.000119661	6.66399E-05	6.95057E-05	2.11166E-05	5.37852E-05	0.000116456
2246	6.76314E-05	7.1013E-05	2.44022E-05	5.40912E-05	0.000118687	6.66617E-05	6.95874E-05	2.01885E-05	5.40912E-05	0.000115362
2247	7.08824E-05	7.45026E-05	2.46023E-05	5.72886E-05	0.000131627	7.00971E-05	7.32388E-05	2.01927E-05	5.72886E-05	0.000126995
2248	7.65502E-05	8.04955E-05	2.6114E-05	6.21465E-05	0.000129627	7.58096E-05	7.92376E-05	2.13556E-05	6.21465E-05	0.000124756
2249	8.19118E-05	8.61479E-05	2.77587E-05	6.6381E-05	0.000127995	8.10929E-05	8.47678E-05	2.27175E-05	6.6381E-05	0.000122931
2250	9.01309E-05	9.45569E-05	3.35502E-05	7.07169E-05	0.000127041	8.83705E-05	9.21657E-05	2.80845E-05	7.07169E-05	0.000121867
2251	0.000100912	0.00010543	4.31544E-05	7.5261E-05	9.68558E-05	9.74669E-05	0.000101267	3.7099E-05	7.5261E-05	9.37776E-05
2252	0.000104837	0.000109297	4.78297E-05	7.65676E-05	6.8397E-05	0.000100613	0.000104336	4.14714E-05	7.65676E-05	6.76673E-05
2253	0.000101511	0.000105761	4.71833E-05	7.27422E-05	5.27227E-05	9.69416E-05	0.000100461	4.10352E-05	7.27422E-05	5.29687E-05
2254	9.5854E-05	0.000100041	4.23237E-05	6.69292E-05	3.84968E-05	9.10819E-05	9.45122E-05	3.65922E-05	6.69292E-05	3.99413E-05
2255	8.42164E-05	8.80521E-05	3.51806E-05	6.00559E-05	3.78905E-05	8.05005E-05	8.36758E-05	3.0061E-05	6.00559E-05	3.92641E-05
2256	7.42654E-05	7.79657E-05	2.69625E-05	5.56208E-05	3.76157E-05	7.19984E-05	7.5124E-05	2.23495E-05	5.56208E-05	3.89605E-05
2257	6.39694E-05	6.74785E-05	1.91102E-05	5.066E-05	3.75553E-05	6.30553E-05	6.60799E-05	1.50111E-05	5.066E-05	3.88975E-05
2258	6.13577E-05	6.49178E-05	1.58466E-05	5.04077E-05	3.79106E-05	6.11572E-05	6.42619E-05	1.18386E-05	5.04077E-05	3.93032E-05
2259	6.19756E-05	6.56586E-05	1.48923E-05	5.23965E-05	3.89749E-05	6.22799E-05	6.55277E-05	1.06895E-05	5.23965E-05	4.05062E-05
2260	6.65593E-05	7.0561E-05	1.54013E-05	5.76387E-05	4.10903E-05	6.73346E-05	7.08978E-05	1.07348E-05	5.76387E-05	4.28863E-05
2261	7.32061E-05	7.75658E-05	1.74728E-05	6.30799E-05	4.32778E-05	7.39409E-05	7.78144E-05	1.24106E-05	6.30799E-05	4.534E-05
2262	7.8367E-05	8.29196E-05	2.0168E-05	6.59612E-05	4.36808E-05	7.8607E-05	8.26154E-05	1.4935E-05	6.59612E-05	4.57357E-05
2263	7.81338E-05	8.24085E-05	2.34872E-05	6.52753E-05	0.000134237	7.80752E-05	8.18389E-05	1.82902E-05	6.52753E-05	0.000130015
2264	7.39186E-05	7.77769E-05	2.45946E-05	6.25037E-05	0.000133401	7.39916E-05	7.74186E-05	1.95542E-05	6.25037E-05	0.000129022
2265	7.17774E-05	7.54354E-05	2.5014E-05	5.94203E-05	0.000133802	7.14041E-05	7.46254E-05	2.02348E-05	5.94203E-05	0.00012946
2266	7.14867E-05	7.50503E-05	2.59304E-05	5.79143E-05	0.000134019	7.0679E-05	7.37875E-05	2.13E-05	5.79143E-05	0.000129694
2267	7.14685E-05	7.497E-05	2.67067E-05	5.69849E-05	0.000134194	7.03434E-05	7.33764E-05	2.21645E-05	5.69849E-05	0.000129885
2268	6.95111E-05	7.29324E-05	2.57746E-05	5.55309E-05	0.000119755	6.84595E-05	7.14245E-05	2.13617E-05	5.55309E-05	0.000116566
2269	6.79293E-05	7.12557E-05	2.54062E-05	5.39991E-05	0.000119575	6.68091E-05	6.96854E-05	2.11209E-05	5.39991E-05	0.000116362
2270	6.77267E-05	7.11139E-05	2.44255E-05	5.4247E-05	0.000118606	6.67803E-05	6.97133E-05	2.01904E-05	5.4247E-05	0.000115273
2271	7.10313E-05	7.46608E-05	2.46327E-05	5.74837E-05	0.000131567	7.02681E-05	7.342E-05	2.02009E-05	5.74837E-05	0.00012693

2272	7.66336E-05	8.05839E-05	2.61335E-05	6.22757E-05	0.000129599	7.59113E-05	7.93456E-05	2.1358E-05	6.22757E-05	0.000124725
2273	8.18378E-05	8.60694E-05	2.77415E-05	6.6267E-05	0.000127992	8.10029E-05	8.46723E-05	2.27153E-05	6.6267E-05	0.000122928
2274	9.00701E-05	9.44925E-05	3.35361E-05	7.06238E-05	0.000127045	8.82967E-05	9.20874E-05	2.80826E-05	7.06238E-05	0.000121871
2275	0.000100861	0.000105376	4.31483E-05	7.52292E-05	9.68702E-05	9.74187E-05	0.000101216	3.70924E-05	7.52292E-05	9.37936E-05
2276	0.000104767	0.000109221	4.78268E-05	7.65684E-05	6.83987E-05	0.00010056	0.00010428	4.14576E-05	7.65684E-05	6.76685E-05
2277	0.000103107	0.000107477	4.72364E-05	7.29361E-05	5.27441E-05	9.81993E-05	0.000101795	4.10766E-05	7.29361E-05	5.29919E-05
2278	9.58405E-05	0.000100027	4.23254E-05	6.69484E-05	3.85143E-05	9.10773E-05	9.45076E-05	3.65875E-05	6.69484E-05	3.99602E-05
2279	8.41594E-05	8.79912E-05	3.51738E-05	6.00207E-05	3.791E-05	8.04468E-05	8.36192E-05	3.00537E-05	6.00207E-05	3.92852E-05
2280	7.42293E-05	7.79271E-05	2.69572E-05	5.5591E-05	3.76468E-05	7.19621E-05	7.50857E-05	2.23456E-05	5.5591E-05	3.89946E-05
2281	6.39694E-05	6.74785E-05	1.91102E-05	5.066E-05	3.75553E-05	6.30553E-05	6.60799E-05	1.50111E-05	5.066E-05	3.88975E-05
2282	6.13577E-05	6.49178E-05	1.58466E-05	5.04077E-05	3.79106E-05	6.11572E-05	6.42619E-05	1.18386E-05	5.04077E-05	3.93032E-05
2283	6.19756E-05	6.56586E-05	1.48923E-05	5.23965E-05	3.89749E-05	6.22799E-05	6.55277E-05	1.06895E-05	5.23965E-05	4.05062E-05
2284	6.65593E-05	7.0561E-05	1.54013E-05	5.76387E-05	4.10903E-05	6.73346E-05	7.08978E-05	1.07348E-05	5.76387E-05	4.28863E-05
2285	7.32061E-05	7.75658E-05	1.74728E-05	6.30799E-05	4.32778E-05	7.39409E-05	7.78144E-05	1.24106E-05	6.30799E-05	4.534E-05
2286	7.8367E-05	8.29196E-05	2.0168E-05	6.59612E-05	4.36808E-05	7.8607E-05	8.26154E-05	1.4935E-05	6.59612E-05	4.57357E-05
2287	7.81338E-05	8.24085E-05	2.34872E-05	6.52753E-05	0.000134237	7.80752E-05	8.18389E-05	1.82902E-05	6.52753E-05	0.000130015
2288	7.39186E-05	7.77769E-05	2.45946E-05	6.25037E-05	0.000133401	7.39916E-05	7.74186E-05	1.95542E-05	6.25037E-05	0.000129022
2289	7.17774E-05	7.54354E-05	2.5014E-05	5.94203E-05	0.000133802	7.14041E-05	7.46254E-05	2.02348E-05	5.94203E-05	0.00012946
2290	7.14867E-05	7.50503E-05	2.59304E-05	5.79143E-05	0.000134019	7.0679E-05	7.37875E-05	2.13E-05	5.79143E-05	0.000129694
2291	7.14685E-05	7.497E-05	2.67067E-05	5.69849E-05	0.000134194	7.03434E-05	7.33764E-05	2.21645E-05	5.69849E-05	0.000129885
2292	6.95111E-05	7.29324E-05	2.57746E-05	5.55309E-05	0.000119755	6.84595E-05	7.14245E-05	2.13617E-05	5.55309E-05	0.000116566
2293	6.79293E-05	7.12557E-05	2.54062E-05	5.39991E-05	0.000119575	6.68091E-05	6.96854E-05	2.11209E-05	5.39991E-05	0.000116362
2294	6.77267E-05	7.11139E-05	2.44255E-05	5.4247E-05	0.000118606	6.67803E-05	6.97133E-05	2.01904E-05	5.4247E-05	0.000115273
2295	7.10313E-05	7.46608E-05	2.46327E-05	5.74837E-05	0.000131567	7.02681E-05	7.342E-05	2.02009E-05	5.74837E-05	0.00012693
2296	7.66336E-05	8.05839E-05	2.61335E-05	6.22757E-05	0.000129599	7.59113E-05	7.93456E-05	2.1358E-05	6.22757E-05	0.000124725
2297	8.18378E-05	8.60694E-05	2.77415E-05	6.6267E-05	0.000127992	8.10029E-05	8.46723E-05	2.27153E-05	6.6267E-05	0.000122928
2298	9.00701E-05	9.44925E-05	3.35361E-05	7.06238E-05	0.000127045	8.82967E-05	9.20874E-05	2.80826E-05	7.06238E-05	0.000121871
2299	0.000100861	0.000105376	4.31483E-05	7.52292E-05	9.68702E-05	9.74187E-05	0.000101216	3.70924E-05	7.52292E-05	9.37936E-05
2300	0.000104767	0.000109221	4.78268E-05	7.65684E-05	6.83987E-05	0.00010056	0.00010428	4.14576E-05	7.65684E-05	6.76685E-05
2301	0.000103107	0.000107477	4.72364E-05	7.29361E-05	5.27441E-05	9.81993E-05	0.000101795	4.10766E-05	7.29361E-05	5.29919E-05
2302	9.58405E-05	0.000100027	4.23254E-05	6.69484E-05	3.85143E-05	9.10773E-05	9.45076E-05	3.65875E-05	6.69484E-05	3.99602E-05
2303	8.41594E-05	8.79912E-05	3.51738E-05	6.00207E-05	3.791E-05	8.04468E-05	8.36192E-05	3.00537E-05	6.00207E-05	3.92852E-05
2304	7.42293E-05	7.79271E-05	2.69572E-05	5.5591E-05	3.76468E-05	7.19621E-05	7.50857E-05	2.23456E-05	5.5591E-05	3.89946E-05
2305	6.39694E-05	6.74785E-05	1.91102E-05	5.066E-05	3.75553E-05	6.30553E-05	6.60799E-05	1.50111E-05	5.066E-05	3.88975E-05
2306	6.13577E-05	6.49178E-05	1.58466E-05	5.04077E-05	3.79106E-05	6.11572E-05	6.42619E-05	1.18386E-05	5.04077E-05	3.93032E-05
2307	6.19756E-05	6.56586E-05	1.48923E-05	5.23965E-05	3.89749E-05	6.22799E-05	6.55277E-05	1.06895E-05	5.23965E-05	4.05062E-05
2308	6.65593E-05	7.0561E-05	1.54013E-05	5.76387E-05	4.10903E-05	6.73346E-05	7.08978E-05	1.07348E-05	5.76387E-05	4.28863E-05
2309	7.32061E-05	7.75658E-05	1.74728E-05	6.30799E-05	4.32778E-05	7.39409E-05	7.78144E-05	1.24106E-05	6.30799E-05	4.534E-05
2310	7.8367E-05	8.29196E-05	2.0168E-05	6.59612E-05	4.36808E-05	7.8607E-05	8.26154E-05	1.4935E-05	6.59612E-05	4.57357E-05
2311	7.81338E-05	8.24085E-05	2.34872E-05	6.52753E-05	0.000134237	7.80752E-05	8.18389E-05	1.82902E-05	6.52753E-05	0.000130015
2312	7.39186E-05	7.77769E-05	2.45946E-05	6.25037E-05	0.000133401	7.39916E-05	7.74186E-05	1.95542E-05	6.25037E-05	0.000129022
2313	7.17774E-05	7.54354E-05	2.5014E-05	5.94203E-05	0.000133802	7.14041E-05	7.46254E-05	2.02348E-05	5.94203E-05	0.00012946
2314	7.14867E-05	7.50503E-05	2.59304E-05	5.79143E-05	0.000134019	7.0679E-05	7.37875E-05	2.13E-05	5.79143E-05	0.000129694
2315	7.14685E-05	7.497E-05	2.67067E-05	5.69849E-05	0.000134194	7.03434E-05	7.33764E-05	2.21645E-05	5.69849E-05	0.000129885
2316	6.95111E-05	7.29324E-05	2.57746E-05	5.55309E-05	0.000119755	6.84595E-05	7.14245E-05	2.13617E-05	5.55309E-05	0.000116566
2317	6.79293E-05	7.12557E-05	2.54062E-05	5.39991E-05	0.000119575	6.68091E-05	6.96854E-05	2.11209E-05	5.39991E-05	0.000116362
2318	6.77267E-05	7.11139E-05	2.44255E-05	5.4247E-05	0.000118606	6.67803E-05	6.97133E-05	2.01904E-05	5.4247E-05	0.000115273
2319	7.10313E-05	7.46608E-05	2.46327E-05	5.74837E-05	0.000131567	7.02681E-05	7.342E-05	2.02009E-05	5.74837E-05	0.00012693
2320	7.66336E-05	8.05839E-05	2.61335E-05	6.22757E-05	0.000129599	7.59113E-05	7.93456E-05	2.1358E-05	6.22757E-05	0.000124725
2321	8.18378E-05	8.60694E-05	2.77415E-05	6.6267E-05	0.000127992	8.10029E-05	8.46723E-05	2.27153E-05	6.6267E-05	0.000122928
2322	9.00701E-05	9.44925E-05	3.35361E-05	7.06238E-05	0.000127045	8.82967E-05	9.20874E-05	2.80826E-05	7.06238E-05	0.000121871
2323	0.000100861	0.000105376	4.31483E-05	7.52292E-05	9.68702E-05	9.74187E-05	0.000101216	3.70924E-05	7.52292E-05	9.37936E-05
2324	0.000104767	0.000109221	4.78268E-05	7.65684E-05	6.83987E-05	0.00010056	0.00010428	4.14576E-05	7.65684E-05	6.76685E-05
2325	0.000103107	0.000107477	4.72364E-05	7.29361E-05	5.27441E-05	9.81993E-05	0.000101795	4.10766E-05	7.29361E-05	5.29919E-05
2326	9.58405E-05	0.000100027	4.23254E-05	6.69484E-05	3.85143E-05	9.10773E-05	9.45076E-05	3.65875E-05	6.69484E-05	3.99602E-05
2327	8.41594E-05	8.79912E-05	3.51738E-05	6.00207E-05	3.791E-05	8.04468E-05	8.36192E-05	3.00537E-05	6.00207E-05	3.92852E-05
2328	7.42293E-05	7.79271E-05	2.69572E-05	5.5591E-05	3.76468E-05	7.19621E-05	7.50857E-05	2.23456E-05	5.5591E-05	3.89946E-05
2329	6.39694E-05	6.74785E-05	1.91102E-05	5.066E-05	3.75553E-05	6.30553E-05	6.60799E-05	1.50111E-05	5.066E-05	3.88975E-05
2330	6.13577E-05	6.49178E-05	1.58466E-05	5.04077E-05	3.79106E-05	6.11572E-05	6.42619E-05	1.18386E-05	5.04077E-05	3.93032E-05
2331	6.19756E-05	6.56586E-05	1.48923E-05	5.23965E-05	3.89749E-05	6.22799E-05	6.55277E-05	1.06895E-05	5.23965E-05	4.05062E-05
2332	6.65593E-05	7.0561E-05	1.54013E-05	5.76387E-05	4.10903E-05	6.73346E-05	7.08978E-05	1.07348E-05	5.76387E-05	4.28863E-05
2333	7.32061E-05	7.75658E-05	1.74728E-05	6.30799E-05	4.32778E-05	7.39409E-05	7.78144E-05	1.24106E-05	6.30799E-05	4.534E-05
2334	7.8367E-05	8.29196E-05	2.0168E-05	6.59612E-05	4.36808E-05	7.8607E-05	8.26154E-05	1.4935E-05	6.59612E-05	4.57357E-05
2335	7.81338E-05	8.24085E-05	2.34872E-05	6.52753E-05	0.000134237	7.80752E-05	8.18389E-05	1.82902E-05	6.52753E-05	0.000130015
2336	7.39186E-05	7.77769E-05	2.45946E-05	6.25037E-05	0.000133401	7.39916E-05	7.74186E-05	1.95542E-05	6.25037E-05	0.000129022
2337	7.17774E-05	7.54354E-05	2.5014E-05	5.94203E-05	0.000133802	7.14041E-05	7.46254E-05	2.02348E-05	5.94203E-05	0.00012946
2338	7.14867E-05	7.50503E-05	2.59304E-05	5.79143E-05	0.000134019	7.0679E-05	7.37875E-05	2.13E-05	5.79143E-05	0.000129694
2339	7.14685E-05	7.497E-05	2.67067E-05	5.69849E-05	0.000134194	7.03434E-05	7.33764E-05	2.21645E-05	5.69849E-05	0.000129885
2340	6.95111E-05	7.29324E-05	2.57746E-05	5.55309E-05	0.000119755	6.84595E-05	7.14245E-05	2.13617E-05	5.55309E-05	0.000116566
2341	6.79293E-05	7.12557E-05	2.54062E-05	5.39991E-05	0.000119575	6.68091E-05	6.96854E-05	2.11209E-05	5.39991E-05	0.000116362
2342	6.77267E-05	7.11139E-05	2.44255E-05	5.4247E-05	0.000118606	6.67803E-05	6.97133E-05	2.01904E-05	5.4247E-05	0.000115273
2343	7.10313E-05	7.46608E-05	2.46327E-05	5.74837E-05	0.000131567	7.02681E-05	7.342E-05	2.02009E-05	5.74837E-05	0.00012693
2344	7.66336E-05	8.05839E-05	2.61335E-05	6.22757E-05	0.000129599	7.59113E-05	7.93456E-05	2.1358E-05	6.22757E-05	0.000124725
2345	8.18378E-05	8.60694E-05	2.77415E-05	6.6267E-05	0.000127992	8.10029E-05	8.46723E-05	2.27153E-05	6.6267E-05	0.000122928
2346	9.00701E-05	9.44925E-05	3.35361E-05	7.06238E-05	0.000127045	8.82967E-05	9.20874E-05	2.80826E-05	7.06238E-05	0.000121871
2347	0.000100861	0.000105376	4.31483E-05	7.52292E-05	9.68702E-05	9.74187E-05	0.000101216	3.70924E-05	7.52292E-05	9.37936E-05

2348	0.000104767	0.000109221	4.78268E-05	7.65684E-05	6.83987E-05	0.00010056	0.00010428	4.14576E-05	7.65684E-05	6.76685E-05
2349	0.000103107	0.000107477	4.72364E-05	7.29361E-05	5.27441E-05	9.81993E-05	0.000101795	4.10766E-05	7.29361E-05	5.29919E-05
2350	9.58405E-05	0.000100027	4.23254E-05	6.69484E-05	3.85143E-05	9.10773E-05	9.45076E-05	3.65875E-05	6.69484E-05	3.99602E-05
2351	8.41594E-05	8.79912E-05	3.51738E-05	6.00207E-05	3.791E-05	8.04468E-05	8.36192E-05	3.00537E-05	6.00207E-05	3.92852E-05
2352	7.42293E-05	7.79271E-05	2.69572E-05	5.5591E-05	3.76468E-05	7.19621E-05	7.50857E-05	2.23456E-05	5.5591E-05	3.89946E-05
2353	6.39694E-05	6.74785E-05	1.91102E-05	5.066E-05	3.75553E-05	6.30553E-05	6.60799E-05	1.50111E-05	5.066E-05	3.88975E-05
2354	6.13577E-05	6.49178E-05	1.58466E-05	5.04077E-05	3.79106E-05	6.11572E-05	6.42619E-05	1.18386E-05	5.04077E-05	3.93032E-05
2355	6.19756E-05	6.56586E-05	1.48923E-05	5.23965E-05	3.89749E-05	6.22799E-05	6.55277E-05	1.06895E-05	5.23965E-05	4.05062E-05
2356	6.65593E-05	7.0561E-05	1.54013E-05	5.76387E-05	4.10903E-05	6.73346E-05	7.08978E-05	1.07348E-05	5.76387E-05	4.28863E-05
2357	7.32061E-05	7.75658E-05	1.74728E-05	6.30799E-05	4.32778E-05	7.39409E-05	7.78144E-05	1.24106E-05	6.30799E-05	4.534E-05
2358	7.8367E-05	8.29196E-05	2.0168E-05	6.59612E-05	4.36808E-05	7.8607E-05	8.26154E-05	1.4935E-05	6.59612E-05	4.57357E-05
2359	7.81338E-05	8.24085E-05	2.34872E-05	6.52753E-05	0.000134237	7.80752E-05	8.18389E-05	1.82902E-05	6.52753E-05	0.000130015
2360	7.39186E-05	7.77769E-05	2.45946E-05	6.25037E-05	0.000133401	7.39916E-05	7.74186E-05	1.95542E-05	6.25037E-05	0.000129022
2361	7.17774E-05	7.54354E-05	2.5014E-05	5.94203E-05	0.000133802	7.14041E-05	7.46254E-05	2.02348E-05	5.94203E-05	0.00012946
2362	7.14867E-05	7.50503E-05	2.59304E-05	5.79143E-05	0.000134019	7.0679E-05	7.37875E-05	2.13E-05	5.79143E-05	0.000129694
2363	7.14685E-05	7.497E-05	2.67067E-05	5.69849E-05	0.000134194	7.03434E-05	7.33764E-05	2.21645E-05	5.69849E-05	0.000129885
2364	6.95111E-05	7.29324E-05	2.57746E-05	5.55309E-05	0.000119755	6.84595E-05	7.14245E-05	2.13617E-05	5.55309E-05	0.000116566
2365	6.79293E-05	7.12557E-05	2.54062E-05	5.39991E-05	0.000119575	6.68091E-05	6.96854E-05	2.11209E-05	5.39991E-05	0.000116362
2366	6.77267E-05	7.11139E-05	2.44255E-05	5.4247E-05	0.000118606	6.67803E-05	6.97133E-05	2.01904E-05	5.4247E-05	0.000115273
2367	7.10313E-05	7.46608E-05	2.46327E-05	5.74837E-05	0.000131567	7.02681E-05	7.342E-05	2.02009E-05	5.74837E-05	0.00012693
2368	7.66336E-05	8.05839E-05	2.61335E-05	6.22757E-05	0.000129599	7.59113E-05	7.93456E-05	2.1358E-05	6.22757E-05	0.000124725
2369	8.18378E-05	8.60694E-05	2.77415E-05	6.6267E-05	0.000127992	8.10029E-05	8.46723E-05	2.27153E-05	6.6267E-05	0.000122928
2370	9.00701E-05	9.44925E-05	3.35361E-05	7.06238E-05	0.000127045	8.82967E-05	9.20874E-05	2.80826E-05	7.06238E-05	0.000121871
2371	0.000100861	0.000105376	4.31483E-05	7.52292E-05	9.68702E-05	9.74187E-05	0.000101216	3.70924E-05	7.52292E-05	9.37936E-05
2372	0.000104767	0.000109221	4.78268E-05	7.65684E-05	6.83987E-05	0.00010056	0.00010428	4.14576E-05	7.65684E-05	6.76685E-05
2373	0.000103107	0.000107477	4.72364E-05	7.29361E-05	5.27441E-05	9.81993E-05	0.000101795	4.10766E-05	7.29361E-05	5.29919E-05
2374	9.58405E-05	0.000100027	4.23254E-05	6.69484E-05	3.85143E-05	9.10773E-05	9.45076E-05	3.65875E-05	6.69484E-05	3.99602E-05
2375	8.41594E-05	8.79912E-05	3.51738E-05	6.00207E-05	3.791E-05	8.04468E-05	8.36192E-05	3.00537E-05	6.00207E-05	3.92852E-05
2376	7.42293E-05	7.79271E-05	2.69572E-05	5.5591E-05	3.76468E-05	7.19621E-05	7.50857E-05	2.23456E-05	5.5591E-05	3.89946E-05
2377	6.36896E-05	6.71813E-05	1.90512E-05	5.02788E-05	3.75639E-05	6.27295E-05	6.57345E-05	1.49973E-05	5.02788E-05	3.89062E-05
2378	6.11069E-05	6.46517E-05	1.57918E-05	5.00498E-05	3.79235E-05	6.08604E-05	6.39472E-05	1.1828E-05	5.00498E-05	3.93164E-05
2379	6.17728E-05	6.54437E-05	1.48455E-05	5.20873E-05	3.89842E-05	6.20341E-05	6.52668E-05	1.06831E-05	5.20873E-05	4.05156E-05
2380	6.63785E-05	7.03701E-05	1.53515E-05	5.72971E-05	4.11018E-05	6.70959E-05	7.0644E-05	1.07362E-05	5.72971E-05	4.28989E-05
2381	7.31223E-05	7.7478E-05	1.74399E-05	6.28409E-05	4.33121E-05	7.38062E-05	7.76707E-05	1.24199E-05	6.28409E-05	4.53781E-05
2382	7.82657E-05	8.28128E-05	2.01358E-05	6.57348E-05	4.37342E-05	7.84628E-05	8.24618E-05	1.49395E-05	6.57348E-05	4.57949E-05
2383	7.95813E-05	8.39679E-05	2.35033E-05	6.52205E-05	0.000134282	7.91466E-05	8.29753E-05	1.83293E-05	6.52205E-05	0.000130065
2384	7.36739E-05	7.75169E-05	2.45455E-05	6.21902E-05	0.000133483	7.37126E-05	7.7123E-05	1.954E-05	6.21902E-05	0.000129113
2385	7.14982E-05	7.51388E-05	2.49577E-05	5.90607E-05	0.000133937	7.10853E-05	7.42875E-05	2.02188E-05	5.90607E-05	0.00012961
2386	7.12715E-05	7.48217E-05	2.58867E-05	5.76348E-05	0.000134162	7.04326E-05	7.35264E-05	2.1288E-05	5.76348E-05	0.000129852
2387	7.12593E-05	7.47477E-05	2.66645E-05	5.67157E-05	0.000134351	7.01046E-05	7.31234E-05	2.21525E-05	5.67157E-05	0.000130059
2388	6.93629E-05	7.27751E-05	2.57413E-05	5.53123E-05	0.000119848	6.8282E-05	7.12361E-05	2.13562E-05	5.53123E-05	0.000116667
2389	6.77901E-05	7.11081E-05	2.53739E-05	5.37852E-05	0.000119661	6.66399E-05	6.95057E-05	2.11166E-05	5.37852E-05	0.000116456
2390	6.76314E-05	7.1013E-05	2.44022E-05	5.40912E-05	0.000118687	6.66617E-05	6.95874E-05	2.01885E-05	5.40912E-05	0.000115362
2391	7.08824E-05	7.45026E-05	2.46023E-05	5.72886E-05	0.000131627	7.00971E-05	7.32388E-05	2.01927E-05	5.72886E-05	0.000126995
2392	7.65502E-05	8.04955E-05	2.6114E-05	6.21465E-05	0.000129627	7.58096E-05	7.92376E-05	2.13556E-05	6.21465E-05	0.000124756
2393	8.19118E-05	8.61479E-05	2.77587E-05	6.6381E-05	0.000127995	8.10929E-05	8.47678E-05	2.27175E-05	6.6381E-05	0.000122931
2394	9.01309E-05	9.45569E-05	3.35502E-05	7.07169E-05	0.000127041	8.83705E-05	9.21657E-05	2.80845E-05	7.07169E-05	0.000121867
2395	0.000100912	0.00010543	4.31544E-05	7.5261E-05	9.68558E-05	9.74669E-05	0.000101267	3.7099E-05	7.5261E-05	9.37776E-05
2396	0.000104837	0.000109297	4.78297E-05	7.65676E-05	6.8397E-05	0.000100613	0.000104336	4.14714E-05	7.65676E-05	6.76673E-05
2397	0.000101511	0.000105761	4.71833E-05	7.27422E-05	5.27227E-05	9.69416E-05	0.000100461	4.10352E-05	7.27422E-05	5.29687E-05
2398	9.5854E-05	0.000100041	4.23237E-05	6.69292E-05	3.84968E-05	9.10819E-05	9.45122E-05	3.65922E-05	6.69292E-05	3.99413E-05
2399	8.42164E-05	8.80521E-05	3.51806E-05	6.00559E-05	3.78905E-05	8.05005E-05	8.36758E-05	3.0061E-05	6.00559E-05	3.92641E-05
2400	7.42654E-05	7.79657E-05	2.69625E-05	5.56208E-05	3.76157E-05	7.19984E-05	7.5124E-05	2.23495E-05	5.56208E-05	3.89605E-05
2401	6.36896E-05	6.71813E-05	1.90512E-05	5.02788E-05	3.75639E-05	6.27295E-05	6.57345E-05	1.49973E-05	5.02788E-05	3.89062E-05
2402	6.11069E-05	6.46517E-05	1.57918E-05	5.00498E-05	3.79235E-05	6.08604E-05	6.39472E-05	1.1828E-05	5.00498E-05	3.93164E-05
2403	6.17728E-05	6.54437E-05	1.48455E-05	5.20873E-05	3.89842E-05	6.20341E-05	6.52668E-05	1.06831E-05	5.20873E-05	4.05156E-05
2404	6.63785E-05	7.03701E-05	1.53515E-05	5.72971E-05	4.11018E-05	6.70959E-05	7.0644E-05	1.07362E-05	5.72971E-05	4.28989E-05
2405	7.31223E-05	7.7478E-05	1.74399E-05	6.28409E-05	4.33121E-05	7.38062E-05	7.76707E-05	1.24199E-05	6.28409E-05	4.53781E-05
2406	7.82657E-05	8.28128E-05	2.01358E-05	6.57348E-05	4.37342E-05	7.84628E-05	8.24618E-05	1.49395E-05	6.57348E-05	4.57949E-05
2407	7.95813E-05	8.39679E-05	2.35033E-05	6.52205E-05	0.000134282	7.91466E-05	8.29753E-05	1.83293E-05	6.52205E-05	0.000130065
2408	7.36739E-05	7.75169E-05	2.45455E-05	6.21902E-05	0.000133483	7.37126E-05	7.7123E-05	1.954E-05	6.21902E-05	0.000129113
2409	7.14982E-05	7.51388E-05	2.49577E-05	5.90607E-05	0.000133937	7.10853E-05	7.42875E-05	2.02188E-05	5.90607E-05	0.00012961
2410	7.12715E-05	7.48217E-05	2.58867E-05	5.76348E-05	0.000134162	7.04326E-05	7.35264E-05	2.1288E-05	5.76348E-05	0.000129852
2411	7.12593E-05	7.47477E-05	2.66645E-05	5.67157E-05	0.000134351	7.01046E-05	7.31234E-05	2.21525E-05	5.67157E-05	0.000130059
2412	6.93629E-05	7.27751E-05	2.57413E-05	5.53123E-05	0.000119848	6.8282E-05	7.12361E-05	2.13562E-05	5.53123E-05	0.000116667
2413	6.77901E-05	7.11081E-05	2.53739E-05	5.37852E-05	0.000119661	6.66399E-05	6.95057E-05	2.11166E-05	5.37852E-05	0.000116456
2414	6.76314E-05	7.1013E-05	2.44022E-05	5.40912E-05	0.000118687	6.66617E-05	6.95874E-05	2.01885E-05	5.40912E-05	0.000115362
2415	7.08824E-05	7.45026E-05	2.46023E-05	5.72886E-05	0.000131627	7.00971E-05	7.32388E-05	2.01927E-05	5.72886E-05	0.000126995
2416	7.65502E-05	8.04955E-05	2.6114E-05	6.21465E-05	0.000129627	7.58096E-05	7.92376E-05	2.13556E-05	6.21465E-05	0.000124756
2417	8.19118E-05	8.61479E-05	2.77587E-05	6.6381E-05	0.000127995	8.10929E-05	8.47678E-05	2.27175E-05	6.6381E-05	0.000122931
2418	9.01309E-05	9.45569E-05	3.35502E-05	7.07169E-05	0.000127041	8.83705E-05	9.21657E-05	2.80845E-05	7.07169E-05	0.000121867
2419	0.000100912	0.00010543	4.31544E-05	7.5261E-05	9.68558E-05	9.74669E-05	0.000101267	3.7099E-05	7.5261E-05	9.37776E-05
2420	0.000104837	0.000109297	4.78297E-05	7.65676E-05	6.8397E-05	0.000100613	0.000104336	4.14714E-05	7.65676E-05	6.76673E-05
2421	0.000101511	0.000105761	4.71833E-05	7.27422E-05	5.27227E-05	9.69416E-05	0.000100461	4.10352E-05	7.27422E-05	5.29687E-05
2422	9.5854E-05	0.000100041	4.23237E-05	6.69292E-05	3.84968E-05	9.10819E-05	9.45122E-05	3.65922E-05	6.69292E-05	3.99413E-05
2423	8.42164E-05	8.80521E-05	3.51806E-05	6.00559E-05	3.78905E-05	8.05005E-05	8.36758E-05	3.0061E-05	6.00559E-05	3.92641E-05

2424	7.42654E-05	7.79657E-05	2.69625E-05	5.56208E-05	3.76157E-05	7.19984E-05	7.5124E-05	2.23495E-05	5.56208E-05	3.89605E-05
2425	6.39694E-05	6.74785E-05	1.91102E-05	5.066E-05	3.75553E-05	6.30553E-05	6.60799E-05	1.50111E-05	5.066E-05	3.88975E-05
2426	6.13577E-05	6.49178E-05	1.58466E-05	5.04077E-05	3.79106E-05	6.11572E-05	6.42619E-05	1.18386E-05	5.04077E-05	3.93032E-05
2427	6.19756E-05	6.56586E-05	1.48923E-05	5.23965E-05	3.89749E-05	6.22799E-05	6.55277E-05	1.06895E-05	5.23965E-05	4.05062E-05
2428	6.65593E-05	7.0561E-05	1.54013E-05	5.76387E-05	4.10903E-05	6.73346E-05	7.08978E-05	1.07348E-05	5.76387E-05	4.28863E-05
2429	7.32061E-05	7.75658E-05	1.74728E-05	6.30799E-05	4.32778E-05	7.39409E-05	7.78144E-05	1.24106E-05	6.30799E-05	4.534E-05
2430	7.8367E-05	8.29196E-05	2.0168E-05	6.59612E-05	4.36808E-05	7.8607E-05	8.26154E-05	1.4935E-05	6.59612E-05	4.57357E-05
2431	7.81338E-05	8.24085E-05	2.34872E-05	6.52753E-05	0.000134237	7.80752E-05	8.18389E-05	1.82902E-05	6.52753E-05	0.000130015
2432	7.39186E-05	7.77769E-05	2.45946E-05	6.25037E-05	0.000133401	7.39916E-05	7.74186E-05	1.95542E-05	6.25037E-05	0.000129022
2433	7.17774E-05	7.54354E-05	2.5014E-05	5.94203E-05	0.000133802	7.14041E-05	7.46254E-05	2.02348E-05	5.94203E-05	0.00012946
2434	7.14867E-05	7.50503E-05	2.59304E-05	5.79143E-05	0.000134019	7.0679E-05	7.37875E-05	2.13E-05	5.79143E-05	0.000129694
2435	7.14685E-05	7.497E-05	2.67067E-05	5.69849E-05	0.000134194	7.03434E-05	7.33764E-05	2.21645E-05	5.69849E-05	0.000129885
2436	6.95111E-05	7.29324E-05	2.57746E-05	5.55309E-05	0.000119755	6.84595E-05	7.14245E-05	2.13617E-05	5.55309E-05	0.000116566
2437	6.79293E-05	7.12557E-05	2.54062E-05	5.39991E-05	0.000119575	6.68091E-05	6.96854E-05	2.11209E-05	5.39991E-05	0.000116362
2438	6.77267E-05	7.11139E-05	2.44255E-05	5.4247E-05	0.000118606	6.67803E-05	6.97133E-05	2.01904E-05	5.4247E-05	0.000115273
2439	7.10313E-05	7.46608E-05	2.46327E-05	5.74837E-05	0.000131567	7.02681E-05	7.342E-05	2.02009E-05	5.74837E-05	0.00012693
2440	7.66336E-05	8.05839E-05	2.61335E-05	6.22757E-05	0.000129599	7.59113E-05	7.93456E-05	2.1358E-05	6.22757E-05	0.000124725
2441	8.18378E-05	8.60694E-05	2.77415E-05	6.6267E-05	0.000127992	8.10029E-05	8.46723E-05	2.27153E-05	6.6267E-05	0.000122928
2442	9.00701E-05	9.44925E-05	3.35361E-05	7.06238E-05	0.000127045	8.82967E-05	9.20874E-05	2.80826E-05	7.06238E-05	0.000121871
2443	0.000100861	0.000105376	4.31483E-05	7.52292E-05	9.68702E-05	9.74187E-05	0.000101216	3.70924E-05	7.52292E-05	9.37936E-05
2444	0.000104767	0.000109221	4.78268E-05	7.65684E-05	6.83987E-05	0.00010056	0.00010428	4.14576E-05	7.65684E-05	6.76685E-05
2445	0.000103107	0.000107477	4.72364E-05	7.29361E-05	5.27441E-05	9.81993E-05	0.000101795	4.10766E-05	7.29361E-05	5.29919E-05
2446	9.58405E-05	0.000100027	4.23254E-05	6.69484E-05	3.85143E-05	9.10773E-05	9.45076E-05	3.65875E-05	6.69484E-05	3.99602E-05
2447	8.41594E-05	8.79912E-05	3.51738E-05	6.00207E-05	3.791E-05	8.04468E-05	8.36192E-05	3.00537E-05	6.00207E-05	3.92852E-05
2448	7.42293E-05	7.79271E-05	2.69572E-05	5.5591E-05	3.76468E-05	7.19621E-05	7.50857E-05	2.23456E-05	5.5591E-05	3.89946E-05
2449	6.39694E-05	6.74785E-05	1.91102E-05	5.066E-05	3.75553E-05	6.30553E-05	6.60799E-05	1.50111E-05	5.066E-05	3.88975E-05
2450	6.13577E-05	6.49178E-05	1.58466E-05	5.04077E-05	3.79106E-05	6.11572E-05	6.42619E-05	1.18386E-05	5.04077E-05	3.93032E-05
2451	6.19756E-05	6.56586E-05	1.48923E-05	5.23965E-05	3.89749E-05	6.22799E-05	6.55277E-05	1.06895E-05	5.23965E-05	4.05062E-05
2452	6.65593E-05	7.0561E-05	1.54013E-05	5.76387E-05	4.10903E-05	6.73346E-05	7.08978E-05	1.07348E-05	5.76387E-05	4.28863E-05
2453	7.32061E-05	7.75658E-05	1.74728E-05	6.30799E-05	4.32778E-05	7.39409E-05	7.78144E-05	1.24106E-05	6.30799E-05	4.534E-05
2454	7.8367E-05	8.29196E-05	2.0168E-05	6.59612E-05	4.36808E-05	7.8607E-05	8.26154E-05	1.4935E-05	6.59612E-05	4.57357E-05
2455	7.81338E-05	8.24085E-05	2.34872E-05	6.52753E-05	0.000134237	7.80752E-05	8.18389E-05	1.82902E-05	6.52753E-05	0.000130015
2456	7.39186E-05	7.77769E-05	2.45946E-05	6.25037E-05	0.000133401	7.39916E-05	7.74186E-05	1.95542E-05	6.25037E-05	0.000129022
2457	7.17774E-05	7.54354E-05	2.5014E-05	5.94203E-05	0.000133802	7.14041E-05	7.46254E-05	2.02348E-05	5.94203E-05	0.00012946
2458	7.14867E-05	7.50503E-05	2.59304E-05	5.79143E-05	0.000134019	7.0679E-05	7.37875E-05	2.13E-05	5.79143E-05	0.000129694
2459	7.14685E-05	7.497E-05	2.67067E-05	5.69849E-05	0.000134194	7.03434E-05	7.33764E-05	2.21645E-05	5.69849E-05	0.000129885
2460	6.95111E-05	7.29324E-05	2.57746E-05	5.55309E-05	0.000119755	6.84595E-05	7.14245E-05	2.13617E-05	5.55309E-05	0.000116566
2461	6.79293E-05	7.12557E-05	2.54062E-05	5.39991E-05	0.000119575	6.68091E-05	6.96854E-05	2.11209E-05	5.39991E-05	0.000116362
2462	6.77267E-05	7.11139E-05	2.44255E-05	5.4247E-05	0.000118606	6.67803E-05	6.97133E-05	2.01904E-05	5.4247E-05	0.000115273
2463	7.10313E-05	7.46608E-05	2.46327E-05	5.74837E-05	0.000131567	7.02681E-05	7.342E-05	2.02009E-05	5.74837E-05	0.00012693
2464	7.66336E-05	8.05839E-05	2.61335E-05	6.22757E-05	0.000129599	7.59113E-05	7.93456E-05	2.1358E-05	6.22757E-05	0.000124725
2465	8.18378E-05	8.60694E-05	2.77415E-05	6.6267E-05	0.000127992	8.10029E-05	8.46723E-05	2.27153E-05	6.6267E-05	0.000122928
2466	9.00701E-05	9.44925E-05	3.35361E-05	7.06238E-05	0.000127045	8.82967E-05	9.20874E-05	2.80826E-05	7.06238E-05	0.000121871
2467	0.000100861	0.000105376	4.31483E-05	7.52292E-05	9.68702E-05	9.74187E-05	0.000101216	3.70924E-05	7.52292E-05	9.37936E-05
2468	0.000104767	0.000109221	4.78268E-05	7.65684E-05	6.83987E-05	0.00010056	0.00010428	4.14576E-05	7.65684E-05	6.76685E-05
2469	0.000103107	0.000107477	4.72364E-05	7.29361E-05	5.27441E-05	9.81993E-05	0.000101795	4.10766E-05	7.29361E-05	5.29919E-05
2470	9.58405E-05	0.000100027	4.23254E-05	6.69484E-05	3.85143E-05	9.10773E-05	9.45076E-05	3.65875E-05	6.69484E-05	3.99602E-05
2471	8.41594E-05	8.79912E-05	3.51738E-05	6.00207E-05	3.791E-05	8.04468E-05	8.36192E-05	3.00537E-05	6.00207E-05	3.92852E-05
2472	7.42293E-05	7.79271E-05	2.69572E-05	5.5591E-05	3.76468E-05	7.19621E-05	7.50857E-05	2.23456E-05	5.5591E-05	3.89946E-05
2473	6.39694E-05	6.74785E-05	1.91102E-05	5.066E-05	3.75553E-05	6.30553E-05	6.60799E-05	1.50111E-05	5.066E-05	3.88975E-05
2474	6.13577E-05	6.49178E-05	1.58466E-05	5.04077E-05	3.79106E-05	6.11572E-05	6.42619E-05	1.18386E-05	5.04077E-05	3.93032E-05
2475	6.19756E-05	6.56586E-05	1.48923E-05	5.23965E-05	3.89749E-05	6.22799E-05	6.55277E-05	1.06895E-05	5.23965E-05	4.05062E-05
2476	6.65593E-05	7.0561E-05	1.54013E-05	5.76387E-05	4.10903E-05	6.73346E-05	7.08978E-05	1.07348E-05	5.76387E-05	4.28863E-05
2477	7.32061E-05	7.75658E-05	1.74728E-05	6.30799E-05	4.32778E-05	7.39409E-05	7.78144E-05	1.24106E-05	6.30799E-05	4.534E-05
2478	7.8367E-05	8.29196E-05	2.0168E-05	6.59612E-05	4.36808E-05	7.8607E-05	8.26154E-05	1.4935E-05	6.59612E-05	4.57357E-05
2479	7.81338E-05	8.24085E-05	2.34872E-05	6.52753E-05	0.000134237	7.80752E-05	8.18389E-05	1.82902E-05	6.52753E-05	0.000130015
2480	7.39186E-05	7.77769E-05	2.45946E-05	6.25037E-05	0.000133401	7.39916E-05	7.74186E-05	1.95542E-05	6.25037E-05	0.000129022
2481	7.17774E-05	7.54354E-05	2.5014E-05	5.94203E-05	0.000133802	7.14041E-05	7.46254E-05	2.02348E-05	5.94203E-05	0.00012946
2482	7.14867E-05	7.50503E-05	2.59304E-05	5.79143E-05	0.000134019	7.0679E-05	7.37875E-05	2.13E-05	5.79143E-05	0.000129694
2483	7.14685E-05	7.497E-05	2.67067E-05	5.69849E-05	0.000134194	7.03434E-05	7.33764E-05	2.21645E-05	5.69849E-05	0.000129885
2484	6.95111E-05	7.29324E-05	2.57746E-05	5.55309E-05	0.000119755	6.84595E-05	7.14245E-05	2.13617E-05	5.55309E-05	0.000116566
2485	6.79293E-05	7.12557E-05	2.54062E-05	5.39991E-05	0.000119575	6.68091E-05	6.96854E-05	2.11209E-05	5.39991E-05	0.000116362
2486	6.77267E-05	7.11139E-05	2.44255E-05	5.4247E-05	0.000118606	6.67803E-05	6.97133E-05	2.01904E-05	5.4247E-05	0.000115273
2487	7.10313E-05	7.46608E-05	2.46327E-05	5.74837E-05	0.000131567	7.02681E-05	7.342E-05	2.02009E-05	5.74837E-05	0.00012693
2488	7.66336E-05	8.05839E-05	2.61335E-05	6.22757E-05	0.000129599	7.59113E-05	7.93456E-05	2.1358E-05	6.22757E-05	0.000124725
2489	8.18378E-05	8.60694E-05	2.77415E-05	6.6267E-05	0.000127992	8.10029E-05	8.46723E-05	2.27153E-05	6.6267E-05	0.000122928
2490	9.00701E-05	9.44925E-05	3.35361E-05	7.06238E-05	0.000127045	8.82967E-05	9.20874E-05	2.80826E-05	7.06238E-05	0.000121871
2491	0.000100861	0.000105376	4.31483E-05	7.52292E-05	9.68702E-05	9.74187E-05	0.000101216	3.70924E-05	7.52292E-05	9.37936E-05
2492	0.000104767	0.000109221	4.78268E-05	7.65684E-05	6.83987E-05	0.00010056	0.00010428	4.14576E-05	7.65684E-05	6.76685E-05
2493	0.000103107	0.000107477	4.72364E-05	7.29361E-05	5.27441E-05	9.81993E-05	0.000101795	4.10766E-05	7.29361E-05	5.29919E-05
2494	9.58405E-05	0.000100027	4.23254E-05	6.69484E-05	3.85143E-05	9.10773E-05	9.45076E-05	3.65875E-05	6.69484E-05	3.99602E-05
2495	8.41594E-05	8.79912E-05	3.51738E-05	6.00207E-05	3.791E-05	8.04468E-05	8.36192E-05	3.00537E-05	6.00207E-05	3.92852E-05
2496	7.42293E-05	7.79271E-05	2.69572E-05	5.5591E-05	3.76468E-05	7.19621E-05	7.50857E-05	2.23456E-05	5.5591E-05	3.89946E-05
2497	6.39694E-05	6.74785E-05	1.91102E-05	5.066E-05	3.75553E-05	6.30553E-05	6.60799E-05	1.50111E-05	5.066E-05	3.88975E-05
2498	6.13577E-05	6.49178E-05	1.58466E-05	5.04077E-05	3.79106E-05	6.11572E-05	6.42619E-05	1.18386E-05	5.04077E-05	3.93032E-05
2499	6.19756E-05	6.56586E-05	1.48923E-05	5.23965E-05	3.89749E-05	6.22799E-05	6.55277E-05	1.06895E-05	5.23965E-05	4.05062E-05

2500	6.65593E-05	7.0561E-05	1.54013E-05	5.76387E-05	4.10903E-05	6.73346E-05	7.08978E-05	1.07348E-05	5.76387E-05	4.28863E-05
2501	7.32061E-05	7.75658E-05	1.74728E-05	6.30799E-05	4.32778E-05	7.39409E-05	7.78144E-05	1.24106E-05	6.30799E-05	4.534E-05
2502	7.8367E-05	8.29196E-05	2.0168E-05	6.59612E-05	4.36808E-05	7.8607E-05	8.26154E-05	1.4935E-05	6.59612E-05	4.57357E-05
2503	7.81338E-05	8.24085E-05	2.34872E-05	6.52753E-05	0.000134237	7.80752E-05	8.18389E-05	1.82902E-05	6.52753E-05	0.000130015
2504	7.39186E-05	7.77769E-05	2.45946E-05	6.25037E-05	0.000133401	7.39916E-05	7.74186E-05	1.95542E-05	6.25037E-05	0.000129022
2505	7.17774E-05	7.54354E-05	2.5014E-05	5.94203E-05	0.000133802	7.14041E-05	7.46254E-05	2.02348E-05	5.94203E-05	0.00012946
2506	7.14867E-05	7.50503E-05	2.59304E-05	5.79143E-05	0.000134019	7.0679E-05	7.37875E-05	2.13E-05	5.79143E-05	0.000129694
2507	7.14685E-05	7.497E-05	2.67067E-05	5.69849E-05	0.000134194	7.03434E-05	7.33764E-05	2.21645E-05	5.69849E-05	0.000129885
2508	6.95111E-05	7.29324E-05	2.57746E-05	5.55309E-05	0.000119755	6.84595E-05	7.14245E-05	2.13617E-05	5.55309E-05	0.000116566
2509	6.79293E-05	7.12557E-05	2.54062E-05	5.39991E-05	0.000119575	6.68091E-05	6.96854E-05	2.11209E-05	5.39991E-05	0.000116362
2510	6.77267E-05	7.11139E-05	2.44255E-05	5.4247E-05	0.000118606	6.67803E-05	6.97133E-05	2.01904E-05	5.4247E-05	0.000115273
2511	7.10313E-05	7.46608E-05	2.46327E-05	5.74837E-05	0.000131567	7.02681E-05	7.342E-05	2.02009E-05	5.74837E-05	0.00012693
2512	7.66336E-05	8.05839E-05	2.61335E-05	6.22757E-05	0.000129599	7.59113E-05	7.93456E-05	2.1358E-05	6.22757E-05	0.000124725
2513	8.18378E-05	8.60694E-05	2.77415E-05	6.6267E-05	0.000127992	8.10029E-05	8.46723E-05	2.27153E-05	6.6267E-05	0.000122928
2514	9.00701E-05	9.44925E-05	3.35361E-05	7.06238E-05	0.000127045	8.82967E-05	9.20874E-05	2.80826E-05	7.06238E-05	0.000121871
2515	0.000100861	0.000105376	4.31483E-05	7.52292E-05	9.68702E-05	9.74187E-05	0.000101216	3.70924E-05	7.52292E-05	9.37936E-05
2516	0.000104767	0.000109221	4.78268E-05	7.65684E-05	6.83987E-05	0.00010056	0.00010428	4.14576E-05	7.65684E-05	6.76685E-05
2517	0.000103107	0.000107477	4.72364E-05	7.29361E-05	5.27441E-05	9.81993E-05	0.000101795	4.10766E-05	7.29361E-05	5.29919E-05
2518	9.58405E-05	0.000100027	4.23254E-05	6.69484E-05	3.85143E-05	9.10773E-05	9.45076E-05	3.65875E-05	6.69484E-05	3.99602E-05
2519	8.41594E-05	8.79912E-05	3.51738E-05	6.00207E-05	3.791E-05	8.04468E-05	8.36192E-05	3.00537E-05	6.00207E-05	3.92852E-05
2520	7.42293E-05	7.79271E-05	2.69572E-05	5.5591E-05	3.76468E-05	7.19621E-05	7.50857E-05	2.23456E-05	5.5591E-05	3.89946E-05
2521	6.39694E-05	6.74785E-05	1.91102E-05	5.066E-05	3.75553E-05	6.30553E-05	6.60799E-05	1.50111E-05	5.066E-05	3.88975E-05
2522	6.13577E-05	6.49178E-05	1.58466E-05	5.04077E-05	3.79106E-05	6.11572E-05	6.42619E-05	1.18386E-05	5.04077E-05	3.93032E-05
2523	6.19756E-05	6.56586E-05	1.48923E-05	5.23965E-05	3.89749E-05	6.22799E-05	6.55277E-05	1.06895E-05	5.23965E-05	4.05062E-05
2524	6.65593E-05	7.0561E-05	1.54013E-05	5.76387E-05	4.10903E-05	6.73346E-05	7.08978E-05	1.07348E-05	5.76387E-05	4.28863E-05
2525	7.32061E-05	7.75658E-05	1.74728E-05	6.30799E-05	4.32778E-05	7.39409E-05	7.78144E-05	1.24106E-05	6.30799E-05	4.534E-05
2526	7.8367E-05	8.29196E-05	2.0168E-05	6.59612E-05	4.36808E-05	7.8607E-05	8.26154E-05	1.4935E-05	6.59612E-05	4.57357E-05
2527	7.81338E-05	8.24085E-05	2.34872E-05	6.52753E-05	0.000134237	7.80752E-05	8.18389E-05	1.82902E-05	6.52753E-05	0.000130015
2528	7.39186E-05	7.77769E-05	2.45946E-05	6.25037E-05	0.000133401	7.39916E-05	7.74186E-05	1.95542E-05	6.25037E-05	0.000129022
2529	7.17774E-05	7.54354E-05	2.5014E-05	5.94203E-05	0.000133802	7.14041E-05	7.46254E-05	2.02348E-05	5.94203E-05	0.00012946
2530	7.14867E-05	7.50503E-05	2.59304E-05	5.79143E-05	0.000134019	7.0679E-05	7.37875E-05	2.13E-05	5.79143E-05	0.000129694
2531	7.14685E-05	7.497E-05	2.67067E-05	5.69849E-05	0.000134194	7.03434E-05	7.33764E-05	2.21645E-05	5.69849E-05	0.000129885
2532	6.95111E-05	7.29324E-05	2.57746E-05	5.55309E-05	0.000119755	6.84595E-05	7.14245E-05	2.13617E-05	5.55309E-05	0.000116566
2533	6.79293E-05	7.12557E-05	2.54062E-05	5.39991E-05	0.000119575	6.68091E-05	6.96854E-05	2.11209E-05	5.39991E-05	0.000116362
2534	6.77267E-05	7.11139E-05	2.44255E-05	5.4247E-05	0.000118606	6.67803E-05	6.97133E-05	2.01904E-05	5.4247E-05	0.000115273
2535	7.10313E-05	7.46608E-05	2.46327E-05	5.74837E-05	0.000131567	7.02681E-05	7.342E-05	2.02009E-05	5.74837E-05	0.00012693
2536	7.66336E-05	8.05839E-05	2.61335E-05	6.22757E-05	0.000129599	7.59113E-05	7.93456E-05	2.1358E-05	6.22757E-05	0.000124725
2537	8.18378E-05	8.60694E-05	2.77415E-05	6.6267E-05	0.000127992	8.10029E-05	8.46723E-05	2.27153E-05	6.6267E-05	0.000122928
2538	9.00701E-05	9.44925E-05	3.35361E-05	7.06238E-05	0.000127045	8.82967E-05	9.20874E-05	2.80826E-05	7.06238E-05	0.000121871
2539	0.000100861	0.000105376	4.31483E-05	7.52292E-05	9.68702E-05	9.74187E-05	0.000101216	3.70924E-05	7.52292E-05	9.37936E-05
2540	0.000104767	0.000109221	4.78268E-05	7.65684E-05	6.83987E-05	0.00010056	0.00010428	4.14576E-05	7.65684E-05	6.76685E-05
2541	0.000103107	0.000107477	4.72364E-05	7.29361E-05	5.27441E-05	9.81993E-05	0.000101795	4.10766E-05	7.29361E-05	5.29919E-05
2542	9.58405E-05	0.000100027	4.23254E-05	6.69484E-05	3.85143E-05	9.10773E-05	9.45076E-05	3.65875E-05	6.69484E-05	3.99602E-05
2543	8.41594E-05	8.79912E-05	3.51738E-05	6.00207E-05	3.791E-05	8.04468E-05	8.36192E-05	3.00537E-05	6.00207E-05	3.92852E-05
2544	7.42293E-05	7.79271E-05	2.69572E-05	5.5591E-05	3.76468E-05	7.19621E-05	7.50857E-05	2.23456E-05	5.5591E-05	3.89946E-05
2545	6.36896E-05	6.71813E-05	1.90512E-05	5.02788E-05	3.75639E-05	6.27295E-05	6.57345E-05	1.49973E-05	5.02788E-05	3.89062E-05
2546	6.11069E-05	6.46517E-05	1.57918E-05	5.00498E-05	3.79235E-05	6.08604E-05	6.39472E-05	1.1828E-05	5.00498E-05	3.93164E-05
2547	6.17728E-05	6.54437E-05	1.48455E-05	5.20873E-05	3.89842E-05	6.20341E-05	6.52668E-05	1.06831E-05	5.20873E-05	4.05156E-05
2548	6.63785E-05	7.03701E-05	1.53515E-05	5.72971E-05	4.11018E-05	6.70959E-05	7.0644E-05	1.07362E-05	5.72971E-05	4.28989E-05
2549	7.31223E-05	7.7478E-05	1.74399E-05	6.28409E-05	4.33121E-05	7.38062E-05	7.76707E-05	1.24199E-05	6.28409E-05	4.53781E-05
2550	7.82657E-05	8.28128E-05	2.01358E-05	6.57348E-05	4.37342E-05	7.84628E-05	8.24618E-05	1.49395E-05	6.57348E-05	4.57949E-05
2551	7.95813E-05	8.39679E-05	2.35033E-05	6.52205E-05	0.000134282	7.91466E-05	8.29753E-05	1.83293E-05	6.52205E-05	0.000130065
2552	7.36739E-05	7.75169E-05	2.45455E-05	6.21902E-05	0.000133483	7.37126E-05	7.7123E-05	1.954E-05	6.21902E-05	0.000129113
2553	7.14982E-05	7.51388E-05	2.49577E-05	5.90607E-05	0.000133937	7.10853E-05	7.42875E-05	2.02188E-05	5.90607E-05	0.00012961
2554	7.12715E-05	7.48217E-05	2.58867E-05	5.76348E-05	0.000134162	7.04326E-05	7.35264E-05	2.1288E-05	5.76348E-05	0.000129852
2555	7.12593E-05	7.47477E-05	2.66645E-05	5.67157E-05	0.000134351	7.01046E-05	7.31234E-05	2.21525E-05	5.67157E-05	0.000130059
2556	6.93629E-05	7.27751E-05	2.57413E-05	5.53123E-05	0.000119848	6.8282E-05	7.12361E-05	2.13562E-05	5.53123E-05	0.000116667
2557	6.77901E-05	7.11081E-05	2.53739E-05	5.37852E-05	0.000119661	6.66399E-05	6.95057E-05	2.11166E-05	5.37852E-05	0.000116456
2558	6.76314E-05	7.1013E-05	2.44022E-05	5.40912E-05	0.000118687	6.66617E-05	6.95874E-05	2.01885E-05	5.40912E-05	0.000115362
2559	7.08824E-05	7.45026E-05	2.46023E-05	5.72886E-05	0.000131627	7.00971E-05	7.32388E-05	2.01927E-05	5.72886E-05	0.000126995
2560	7.65502E-05	8.04955E-05	2.6114E-05	6.21465E-05	0.000129627	7.58096E-05	7.92376E-05	2.13556E-05	6.21465E-05	0.000124756
2561	8.19118E-05	8.61479E-05	2.77587E-05	6.6381E-05	0.000127995	8.10929E-05	8.47678E-05	2.27175E-05	6.6381E-05	0.000122931
2562	9.01309E-05	9.45569E-05	3.35502E-05	7.07169E-05	0.000127041	8.83705E-05	9.21657E-05	2.80845E-05	7.07169E-05	0.000121867
2563	0.000100912	0.00010543	4.31544E-05	7.5261E-05	9.68558E-05	9.74669E-05	0.000101267	3.7099E-05	7.5261E-05	9.37776E-05
2564	0.000104837	0.000109297	4.78297E-05	7.65676E-05	6.8397E-05	0.000100613	0.000104336	4.14714E-05	7.65676E-05	6.76673E-05
2565	0.000101511	0.000105761	4.71833E-05	7.27422E-05	5.27227E-05	9.69416E-05	0.000100461	4.10352E-05	7.27422E-05	5.29687E-05
2566	9.5854E-05	0.000100041	4.23237E-05	6.69292E-05	3.84968E-05	9.10819E-05	9.45122E-05	3.65922E-05	6.69292E-05	3.99413E-05
2567	8.42164E-05	8.80521E-05	3.51806E-05	6.00559E-05	3.78905E-05	8.05005E-05	8.36758E-05	3.0061E-05	6.00559E-05	3.92641E-05
2568	7.42654E-05	7.79657E-05	2.69625E-05	5.56208E-05	3.76157E-05	7.19984E-05	7.5124E-05	2.23495E-05	5.56208E-05	3.89605E-05
2569	6.36896E-05	6.71813E-05	1.90512E-05	5.02788E-05	3.75639E-05	6.27295E-05	6.57345E-05	1.49973E-05	5.02788E-05	3.89062E-05
2570	6.11069E-05	6.46517E-05	1.57918E-05	5.00498E-05	3.79235E-05	6.08604E-05	6.39472E-05	1.1828E-05	5.00498E-05	3.93164E-05
2571	6.17728E-05	6.54437E-05	1.48455E-05	5.20873E-05	3.89842E-05	6.20341E-05	6.52668E-05	1.06831E-05	5.20873E-05	4.05156E-05
2572	6.63785E-05	7.03701E-05	1.53515E-05	5.72971E-05	4.11018E-05	6.70959E-05	7.0644E-05	1.07362E-05	5.72971E-05	4.28989E-05
2573	7.31223E-05	7.7478E-05	1.74399E-05	6.28409E-05	4.33121E-05	7.38062E-05	7.76707E-05	1.24199E-05	6.28409E-05	4.53781E-05
2574	7.82657E-05	8.28128E-05	2.01358E-05	6.57348E-05	4.37342E-05	7.84628E-05	8.24618E-05	1.49395E-05	6.57348E-05	4.57949E-05
2575	7.95813E-05	8.39679E-05	2.35033E-05	6.52205E-05	0.000134282	7.91466E-05	8.29753E-05	1.83293E-05	6.52205E-05	0.000130065

2576	7.36739E-05	7.75169E-05	2.45455E-05	6.21902E-05	0.000133483	7.37126E-05	7.7123E-05	1.954E-05	6.21902E-05	0.000129113
2577	7.14982E-05	7.51388E-05	2.49577E-05	5.90607E-05	0.000133937	7.10853E-05	7.42875E-05	2.02188E-05	5.90607E-05	0.00012961
2578	7.12715E-05	7.48217E-05	2.58867E-05	5.76348E-05	0.000134162	7.04326E-05	7.35264E-05	2.1288E-05	5.76348E-05	0.000129852
2579	7.12593E-05	7.47477E-05	2.66645E-05	5.67157E-05	0.000134351	7.01046E-05	7.31234E-05	2.21525E-05	5.67157E-05	0.000130059
2580	6.93629E-05	7.27751E-05	2.57413E-05	5.53123E-05	0.000119848	6.8282E-05	7.12361E-05	2.13562E-05	5.53123E-05	0.000116667
2581	6.77901E-05	7.11081E-05	2.53739E-05	5.37852E-05	0.000119661	6.66399E-05	6.95057E-05	2.11166E-05	5.37852E-05	0.000116456
2582	6.76314E-05	7.1013E-05	2.44022E-05	5.40912E-05	0.000118687	6.66617E-05	6.95874E-05	2.01885E-05	5.40912E-05	0.000115362
2583	7.08824E-05	7.45026E-05	2.46023E-05	5.72886E-05	0.000131627	7.00971E-05	7.32388E-05	2.01927E-05	5.72886E-05	0.000126995
2584	7.65502E-05	8.04955E-05	2.6114E-05	6.21465E-05	0.000129627	7.58096E-05	7.92376E-05	2.13556E-05	6.21465E-05	0.000124756
2585	8.19118E-05	8.61479E-05	2.77587E-05	6.6381E-05	0.000127995	8.10929E-05	8.47678E-05	2.27175E-05	6.6381E-05	0.000122931
2586	9.01309E-05	9.45569E-05	3.35502E-05	7.07169E-05	0.000127041	8.83705E-05	9.21657E-05	2.80845E-05	7.07169E-05	0.000121867
2587	0.000100912	0.00010543	4.31544E-05	7.5261E-05	9.68558E-05	9.74669E-05	0.000101267	3.7099E-05	7.5261E-05	9.37776E-05
2588	0.000104837	0.000109297	4.78297E-05	7.65676E-05	6.8397E-05	0.000100613	0.000104336	4.14714E-05	7.65676E-05	6.76673E-05
2589	0.000101511	0.000105761	4.71833E-05	7.27422E-05	5.27227E-05	9.69416E-05	0.000100461	4.10352E-05	7.27422E-05	5.29687E-05
2590	9.5854E-05	0.000100041	4.23237E-05	6.69292E-05	3.84968E-05	9.10819E-05	9.45122E-05	3.65922E-05	6.69292E-05	3.99413E-05
2591	8.42164E-05	8.80521E-05	3.51806E-05	6.00559E-05	3.78905E-05	8.05005E-05	8.36758E-05	3.0061E-05	6.00559E-05	3.92641E-05
2592	7.42654E-05	7.79657E-05	2.69625E-05	5.56208E-05	3.76157E-05	7.19984E-05	7.5124E-05	2.23495E-05	5.56208E-05	3.89605E-05
2593	6.39694E-05	6.74785E-05	1.91102E-05	5.066E-05	3.75553E-05	6.30553E-05	6.60799E-05	1.50111E-05	5.066E-05	3.88975E-05
2594	6.13577E-05	6.49178E-05	1.58466E-05	5.04077E-05	3.79106E-05	6.11572E-05	6.42619E-05	1.18386E-05	5.04077E-05	3.93032E-05
2595	6.19756E-05	6.56586E-05	1.48923E-05	5.23965E-05	3.89749E-05	6.22799E-05	6.55277E-05	1.06895E-05	5.23965E-05	4.05062E-05
2596	6.65593E-05	7.0561E-05	1.54013E-05	5.76387E-05	4.10903E-05	6.73346E-05	7.08978E-05	1.07348E-05	5.76387E-05	4.28863E-05
2597	7.32061E-05	7.75658E-05	1.74728E-05	6.30799E-05	4.32778E-05	7.39409E-05	7.78144E-05	1.24106E-05	6.30799E-05	4.534E-05
2598	7.8367E-05	8.29196E-05	2.0168E-05	6.59612E-05	4.36808E-05	7.8607E-05	8.26154E-05	1.4935E-05	6.59612E-05	4.57357E-05
2599	7.81338E-05	8.24085E-05	2.34872E-05	6.52753E-05	0.000134237	7.80752E-05	8.18389E-05	1.82902E-05	6.52753E-05	0.000130015
2600	7.39186E-05	7.77769E-05	2.45946E-05	6.25037E-05	0.000133401	7.39916E-05	7.74186E-05	1.95542E-05	6.25037E-05	0.000129022
2601	7.17774E-05	7.54354E-05	2.5014E-05	5.94203E-05	0.000133802	7.14041E-05	7.46254E-05	2.02348E-05	5.94203E-05	0.00012946
2602	7.14867E-05	7.50503E-05	2.59304E-05	5.79143E-05	0.000134019	7.0679E-05	7.37875E-05	2.13E-05	5.79143E-05	0.000129694
2603	7.14685E-05	7.497E-05	2.67067E-05	5.69849E-05	0.000134194	7.03434E-05	7.33764E-05	2.21645E-05	5.69849E-05	0.000129885
2604	6.95111E-05	7.29324E-05	2.57746E-05	5.55309E-05	0.000119755	6.84595E-05	7.14245E-05	2.13617E-05	5.55309E-05	0.000116566
2605	6.79293E-05	7.12557E-05	2.54062E-05	5.39991E-05	0.000119575	6.68091E-05	6.96854E-05	2.11209E-05	5.39991E-05	0.000116362
2606	6.77267E-05	7.11139E-05	2.44255E-05	5.4247E-05	0.000118606	6.67803E-05	6.97133E-05	2.01904E-05	5.4247E-05	0.000115273
2607	7.10313E-05	7.46608E-05	2.46327E-05	5.74837E-05	0.000131567	7.02681E-05	7.342E-05	2.02009E-05	5.74837E-05	0.00012693
2608	7.66336E-05	8.05839E-05	2.61335E-05	6.22757E-05	0.000129599	7.59113E-05	7.93456E-05	2.1358E-05	6.22757E-05	0.000124725
2609	8.18378E-05	8.60694E-05	2.77415E-05	6.6267E-05	0.000127992	8.10029E-05	8.46723E-05	2.27153E-05	6.6267E-05	0.000122928
2610	9.00701E-05	9.44925E-05	3.35361E-05	7.06238E-05	0.000127045	8.82967E-05	9.20874E-05	2.80826E-05	7.06238E-05	0.000121871
2611	0.000100861	0.000105376	4.31483E-05	7.52292E-05	9.68702E-05	9.74187E-05	0.000101216	3.70924E-05	7.52292E-05	9.37936E-05
2612	0.000104767	0.000109221	4.78268E-05	7.65684E-05	6.83987E-05	0.00010056	0.00010428	4.14576E-05	7.65684E-05	6.76685E-05
2613	0.000103107	0.000107477	4.72364E-05	7.29361E-05	5.27441E-05	9.81993E-05	0.000101795	4.10766E-05	7.29361E-05	5.29919E-05
2614	9.58405E-05	0.000100027	4.23254E-05	6.69484E-05	3.85143E-05	9.10773E-05	9.45076E-05	3.65875E-05	6.69484E-05	3.99602E-05
2615	8.41594E-05	8.79912E-05	3.51738E-05	6.00207E-05	3.791E-05	8.04468E-05	8.36192E-05	3.00537E-05	6.00207E-05	3.92852E-05
2616	7.42293E-05	7.79271E-05	2.69572E-05	5.5591E-05	3.76468E-05	7.19621E-05	7.50857E-05	2.23456E-05	5.5591E-05	3.89946E-05
2617	6.39694E-05	6.74785E-05	1.91102E-05	5.066E-05	3.75553E-05	6.30553E-05	6.60799E-05	1.50111E-05	5.066E-05	3.88975E-05
2618	6.13577E-05	6.49178E-05	1.58466E-05	5.04077E-05	3.79106E-05	6.11572E-05	6.42619E-05	1.18386E-05	5.04077E-05	3.93032E-05
2619	6.19756E-05	6.56586E-05	1.48923E-05	5.23965E-05	3.89749E-05	6.22799E-05	6.55277E-05	1.06895E-05	5.23965E-05	4.05062E-05
2620	6.65593E-05	7.0561E-05	1.54013E-05	5.76387E-05	4.10903E-05	6.73346E-05	7.08978E-05	1.07348E-05	5.76387E-05	4.28863E-05
2621	7.32061E-05	7.75658E-05	1.74728E-05	6.30799E-05	4.32778E-05	7.39409E-05	7.78144E-05	1.24106E-05	6.30799E-05	4.534E-05
2622	7.8367E-05	8.29196E-05	2.0168E-05	6.59612E-05	4.36808E-05	7.8607E-05	8.26154E-05	1.4935E-05	6.59612E-05	4.57357E-05
2623	7.81338E-05	8.24085E-05	2.34872E-05	6.52753E-05	0.000134237	7.80752E-05	8.18389E-05	1.82902E-05	6.52753E-05	0.000130015
2624	7.39186E-05	7.77769E-05	2.45946E-05	6.25037E-05	0.000133401	7.39916E-05	7.74186E-05	1.95542E-05	6.25037E-05	0.000129022
2625	7.17774E-05	7.54354E-05	2.5014E-05	5.94203E-05	0.000133802	7.14041E-05	7.46254E-05	2.02348E-05	5.94203E-05	0.00012946
2626	7.14867E-05	7.50503E-05	2.59304E-05	5.79143E-05	0.000134019	7.0679E-05	7.37875E-05	2.13E-05	5.79143E-05	0.000129694
2627	7.14685E-05	7.497E-05	2.67067E-05	5.69849E-05	0.000134194	7.03434E-05	7.33764E-05	2.21645E-05	5.69849E-05	0.000129885
2628	6.95111E-05	7.29324E-05	2.57746E-05	5.55309E-05	0.000119755	6.84595E-05	7.14245E-05	2.13617E-05	5.55309E-05	0.000116566
2629	6.79293E-05	7.12557E-05	2.54062E-05	5.39991E-05	0.000119575	6.68091E-05	6.96854E-05	2.11209E-05	5.39991E-05	0.000116362
2630	6.77267E-05	7.11139E-05	2.44255E-05	5.4247E-05	0.000118606	6.67803E-05	6.97133E-05	2.01904E-05	5.4247E-05	0.000115273
2631	7.10313E-05	7.46608E-05	2.46327E-05	5.74837E-05	0.000131567	7.02681E-05	7.342E-05	2.02009E-05	5.74837E-05	0.00012693
2632	7.66336E-05	8.05839E-05	2.61335E-05	6.22757E-05	0.000129599	7.59113E-05	7.93456E-05	2.1358E-05	6.22757E-05	0.000124725
2633	8.18378E-05	8.60694E-05	2.77415E-05	6.6267E-05	0.000127992	8.10029E-05	8.46723E-05	2.27153E-05	6.6267E-05	0.000122928
2634	9.00701E-05	9.44925E-05	3.35361E-05	7.06238E-05	0.000127045	8.82967E-05	9.20874E-05	2.80826E-05	7.06238E-05	0.000121871
2635	0.000100861	0.000105376	4.31483E-05	7.52292E-05	9.68702E-05	9.74187E-05	0.000101216	3.70924E-05	7.52292E-05	9.37936E-05
2636	0.000104767	0.000109221	4.78268E-05	7.65684E-05	6.83987E-05	0.00010056	0.00010428	4.14576E-05	7.65684E-05	6.76685E-05
2637	0.000103107	0.000107477	4.72364E-05	7.29361E-05	5.27441E-05	9.81993E-05	0.000101795	4.10766E-05	7.29361E-05	5.29919E-05
2638	9.58405E-05	0.000100027	4.23254E-05	6.69484E-05	3.85143E-05	9.10773E-05	9.45076E-05	3.65875E-05	6.69484E-05	3.99602E-05
2639	8.41594E-05	8.79912E-05	3.51738E-05	6.00207E-05	3.791E-05	8.04468E-05	8.36192E-05	3.00537E-05	6.00207E-05	3.92852E-05
2640	7.42293E-05	7.79271E-05	2.69572E-05	5.5591E-05	3.76468E-05	7.19621E-05	7.50857E-05	2.23456E-05	5.5591E-05	3.89946E-05
2641	6.39694E-05	6.74785E-05	1.91102E-05	5.066E-05	3.75553E-05	6.30553E-05	6.60799E-05	1.50111E-05	5.066E-05	3.88975E-05
2642	6.13577E-05	6.49178E-05	1.58466E-05	5.04077E-05	3.79106E-05	6.11572E-05	6.42619E-05	1.18386E-05	5.04077E-05	3.93032E-05
2643	6.19756E-05	6.56586E-05	1.48923E-05	5.23965E-05	3.89749E-05	6.22799E-05	6.55277E-05	1.06895E-05	5.23965E-05	4.05062E-05
2644	6.65593E-05	7.0561E-05	1.54013E-05	5.76387E-05	4.10903E-05	6.73346E-05	7.08978E-05	1.07348E-05	5.76387E-05	4.28863E-05
2645	7.32061E-05	7.75658E-05	1.74728E-05	6.30799E-05	4.32778E-05	7.39409E-05	7.78144E-05	1.24106E-05	6.30799E-05	4.534E-05
2646	7.8367E-05	8.29196E-05	2.0168E-05	6.59612E-05	4.36808E-05	7.8607E-05	8.26154E-05	1.4935E-05	6.59612E-05	4.57357E-05
2647	7.81338E-05	8.24085E-05	2.34872E-05	6.52753E-05	0.000134237	7.80752E-05	8.18389E-05	1.82902E-05	6.52753E-05	0.000130015
2648	7.39186E-05	7.77769E-05	2.45946E-05	6.25037E-05	0.000133401	7.39916E-05	7.74186E-05	1.95542E-05	6.25037E-05	0.000129022
2649	7.17774E-05	7.54354E-05	2.5014E-05	5.94203E-05	0.000133802	7.14041E-05	7.46254E-05	2.02348E-05	5.94203E-05	0.00012946
2650	7.14867E-05	7.50503E-05	2.59304E-05	5.79143E-05	0.000134019	7.0679E-05	7.37875E-05	2.13E-05	5.79143E-05	0.000129694
2651	7.14685E-05	7.497E-05	2.67067E-05	5.69849E-05	0.000134194	7.03434E-05	7.33764E-05	2.21645E-05	5.69849E-05	0.000129885

2652	6.95111E-05	7.29324E-05	2.57746E-05	5.55309E-05	0.000119755	6.84595E-05	7.14245E-05	2.13617E-05	5.55309E-05	0.000116566
2653	6.79293E-05	7.12557E-05	2.54062E-05	5.39991E-05	0.000119575	6.68091E-05	6.96854E-05	2.11209E-05	5.39991E-05	0.000116362
2654	6.77267E-05	7.11139E-05	2.44255E-05	5.4247E-05	0.000118606	6.67803E-05	6.97133E-05	2.01904E-05	5.4247E-05	0.000115273
2655	7.10313E-05	7.46608E-05	2.46327E-05	5.74837E-05	0.000131567	7.02681E-05	7.342E-05	2.02009E-05	5.74837E-05	0.00012693
2656	7.66336E-05	8.05839E-05	2.61335E-05	6.22757E-05	0.000129599	7.59113E-05	7.93456E-05	2.1358E-05	6.22757E-05	0.000124725
2657	8.18378E-05	8.60694E-05	2.77415E-05	6.6267E-05	0.000127992	8.10029E-05	8.46723E-05	2.27153E-05	6.6267E-05	0.000122928
2658	9.00701E-05	9.44925E-05	3.35361E-05	7.06238E-05	0.000127045	8.82967E-05	9.20874E-05	2.80826E-05	7.06238E-05	0.000121871
2659	0.000100861	0.000105376	4.31483E-05	7.52292E-05	9.68702E-05	9.74187E-05	0.000101216	3.70924E-05	7.52292E-05	9.37936E-05
2660	0.000104767	0.000109221	4.78268E-05	7.65684E-05	6.83987E-05	0.00010056	0.00010428	4.14576E-05	7.65684E-05	6.76685E-05
2661	0.000103107	0.000107477	4.72364E-05	7.29361E-05	5.27441E-05	9.81993E-05	0.000101795	4.10766E-05	7.29361E-05	5.29919E-05
2662	9.58405E-05	0.000100027	4.23254E-05	6.69484E-05	3.85143E-05	9.10773E-05	9.45076E-05	3.65875E-05	6.69484E-05	3.99602E-05
2663	8.41594E-05	8.79912E-05	3.51738E-05	6.00207E-05	3.791E-05	8.04468E-05	8.36192E-05	3.00537E-05	6.00207E-05	3.92852E-05
2664	7.42293E-05	7.79271E-05	2.69572E-05	5.5591E-05	3.76468E-05	7.19621E-05	7.50857E-05	2.23456E-05	5.5591E-05	3.89946E-05
2665	6.39694E-05	6.74785E-05	1.91102E-05	5.066E-05	3.75553E-05	6.30553E-05	6.60799E-05	1.50111E-05	5.066E-05	3.88975E-05
2666	6.13577E-05	6.49178E-05	1.58466E-05	5.04077E-05	3.79106E-05	6.11572E-05	6.42619E-05	1.18386E-05	5.04077E-05	3.93032E-05
2667	6.19756E-05	6.56586E-05	1.48923E-05	5.23965E-05	3.89749E-05	6.22799E-05	6.55277E-05	1.06895E-05	5.23965E-05	4.05062E-05
2668	6.65593E-05	7.0561E-05	1.54013E-05	5.76387E-05	4.10903E-05	6.73346E-05	7.08978E-05	1.07348E-05	5.76387E-05	4.28863E-05
2669	7.32061E-05	7.75658E-05	1.74728E-05	6.30799E-05	4.32778E-05	7.39409E-05	7.78144E-05	1.24106E-05	6.30799E-05	4.534E-05
2670	7.8367E-05	8.29196E-05	2.0168E-05	6.59612E-05	4.36808E-05	7.8607E-05	8.26154E-05	1.4935E-05	6.59612E-05	4.57357E-05
2671	7.81338E-05	8.24085E-05	2.34872E-05	6.52753E-05	0.000134237	7.80752E-05	8.18389E-05	1.82902E-05	6.52753E-05	0.000130015
2672	7.39186E-05	7.77769E-05	2.45946E-05	6.25037E-05	0.000133401	7.39916E-05	7.74186E-05	1.95542E-05	6.25037E-05	0.000129022
2673	7.17774E-05	7.54354E-05	2.5014E-05	5.94203E-05	0.000133802	7.14041E-05	7.46254E-05	2.02348E-05	5.94203E-05	0.00012946
2674	7.14867E-05	7.50503E-05	2.59304E-05	5.79143E-05	0.000134019	7.0679E-05	7.37875E-05	2.13E-05	5.79143E-05	0.000129694
2675	7.14685E-05	7.497E-05	2.67067E-05	5.69849E-05	0.000134194	7.03434E-05	7.33764E-05	2.21645E-05	5.69849E-05	0.000129885
2676	6.95111E-05	7.29324E-05	2.57746E-05	5.55309E-05	0.000119755	6.84595E-05	7.14245E-05	2.13617E-05	5.55309E-05	0.000116566
2677	6.79293E-05	7.12557E-05	2.54062E-05	5.39991E-05	0.000119575	6.68091E-05	6.96854E-05	2.11209E-05	5.39991E-05	0.000116362
2678	6.77267E-05	7.11139E-05	2.44255E-05	5.4247E-05	0.000118606	6.67803E-05	6.97133E-05	2.01904E-05	5.4247E-05	0.000115273
2679	7.10313E-05	7.46608E-05	2.46327E-05	5.74837E-05	0.000131567	7.02681E-05	7.342E-05	2.02009E-05	5.74837E-05	0.00012693
2680	7.66336E-05	8.05839E-05	2.61335E-05	6.22757E-05	0.000129599	7.59113E-05	7.93456E-05	2.1358E-05	6.22757E-05	0.000124725
2681	8.18378E-05	8.60694E-05	2.77415E-05	6.6267E-05	0.000127992	8.10029E-05	8.46723E-05	2.27153E-05	6.6267E-05	0.000122928
2682	9.00701E-05	9.44925E-05	3.35361E-05	7.06238E-05	0.000127045	8.82967E-05	9.20874E-05	2.80826E-05	7.06238E-05	0.000121871
2683	0.000100861	0.000105376	4.31483E-05	7.52292E-05	9.68702E-05	9.74187E-05	0.000101216	3.70924E-05	7.52292E-05	9.37936E-05
2684	0.000104767	0.000109221	4.78268E-05	7.65684E-05	6.83987E-05	0.00010056	0.00010428	4.14576E-05	7.65684E-05	6.76685E-05
2685	0.000103107	0.000107477	4.72364E-05	7.29361E-05	5.27441E-05	9.81993E-05	0.000101795	4.10766E-05	7.29361E-05	5.29919E-05
2686	9.58405E-05	0.000100027	4.23254E-05	6.69484E-05	3.85143E-05	9.10773E-05	9.45076E-05	3.65875E-05	6.69484E-05	3.99602E-05
2687	8.41594E-05	8.79912E-05	3.51738E-05	6.00207E-05	3.791E-05	8.04468E-05	8.36192E-05	3.00537E-05	6.00207E-05	3.92852E-05
2688	7.42293E-05	7.79271E-05	2.69572E-05	5.5591E-05	3.76468E-05	7.19621E-05	7.50857E-05	2.23456E-05	5.5591E-05	3.89946E-05
2689	6.39694E-05	6.74785E-05	1.91102E-05	5.066E-05	3.75553E-05	6.30553E-05	6.60799E-05	1.50111E-05	5.066E-05	3.88975E-05
2690	6.13577E-05	6.49178E-05	1.58466E-05	5.04077E-05	3.79106E-05	6.11572E-05	6.42619E-05	1.18386E-05	5.04077E-05	3.93032E-05
2691	6.19756E-05	6.56586E-05	1.48923E-05	5.23965E-05	3.89749E-05	6.22799E-05	6.55277E-05	1.06895E-05	5.23965E-05	4.05062E-05
2692	6.65593E-05	7.0561E-05	1.54013E-05	5.76387E-05	4.10903E-05	6.73346E-05	7.08978E-05	1.07348E-05	5.76387E-05	4.28863E-05
2693	7.32061E-05	7.75658E-05	1.74728E-05	6.30799E-05	4.32778E-05	7.39409E-05	7.78144E-05	1.24106E-05	6.30799E-05	4.534E-05
2694	7.8367E-05	8.29196E-05	2.0168E-05	6.59612E-05	4.36808E-05	7.8607E-05	8.26154E-05	1.4935E-05	6.59612E-05	4.57357E-05
2695	7.81338E-05	8.24085E-05	2.34872E-05	6.52753E-05	0.000134237	7.80752E-05	8.18389E-05	1.82902E-05	6.52753E-05	0.000130015
2696	7.39186E-05	7.77769E-05	2.45946E-05	6.25037E-05	0.000133401	7.39916E-05	7.74186E-05	1.95542E-05	6.25037E-05	0.000129022
2697	7.17774E-05	7.54354E-05	2.5014E-05	5.94203E-05	0.000133802	7.14041E-05	7.46254E-05	2.02348E-05	5.94203E-05	0.00012946
2698	7.14867E-05	7.50503E-05	2.59304E-05	5.79143E-05	0.000134019	7.0679E-05	7.37875E-05	2.13E-05	5.79143E-05	0.000129694
2699	7.14685E-05	7.497E-05	2.67067E-05	5.69849E-05	0.000134194	7.03434E-05	7.33764E-05	2.21645E-05	5.69849E-05	0.000129885
2700	6.95111E-05	7.29324E-05	2.57746E-05	5.55309E-05	0.000119755	6.84595E-05	7.14245E-05	2.13617E-05	5.55309E-05	0.000116566
2701	6.79293E-05	7.12557E-05	2.54062E-05	5.39991E-05	0.000119575	6.68091E-05	6.96854E-05	2.11209E-05	5.39991E-05	0.000116362
2702	6.77267E-05	7.11139E-05	2.44255E-05	5.4247E-05	0.000118606	6.67803E-05	6.97133E-05	2.01904E-05	5.4247E-05	0.000115273
2703	7.10313E-05	7.46608E-05	2.46327E-05	5.74837E-05	0.000131567	7.02681E-05	7.342E-05	2.02009E-05	5.74837E-05	0.00012693
2704	7.66336E-05	8.05839E-05	2.61335E-05	6.22757E-05	0.000129599	7.59113E-05	7.93456E-05	2.1358E-05	6.22757E-05	0.000124725
2705	8.18378E-05	8.60694E-05	2.77415E-05	6.6267E-05	0.000127992	8.10029E-05	8.46723E-05	2.27153E-05	6.6267E-05	0.000122928
2706	9.00701E-05	9.44925E-05	3.35361E-05	7.06238E-05	0.000127045	8.82967E-05	9.20874E-05	2.80826E-05	7.06238E-05	0.000121871
2707	0.000100861	0.000105376	4.31483E-05	7.52292E-05	9.68702E-05	9.74187E-05	0.000101216	3.70924E-05	7.52292E-05	9.37936E-05
2708	0.000104767	0.000109221	4.78268E-05	7.65684E-05	6.83987E-05	0.00010056	0.00010428	4.14576E-05	7.65684E-05	6.76685E-05
2709	0.000103107	0.000107477	4.72364E-05	7.29361E-05	5.27441E-05	9.81993E-05	0.000101795	4.10766E-05	7.29361E-05	5.29919E-05
2710	9.58405E-05	0.000100027	4.23254E-05	6.69484E-05	3.85143E-05	9.10773E-05	9.45076E-05	3.65875E-05	6.69484E-05	3.99602E-05
2711	8.41594E-05	8.79912E-05	3.51738E-05	6.00207E-05	3.791E-05	8.04468E-05	8.36192E-05	3.00537E-05	6.00207E-05	3.92852E-05
2712	7.42293E-05	7.79271E-05	2.69572E-05	5.5591E-05	3.76468E-05	7.19621E-05	7.50857E-05	2.23456E-05	5.5591E-05	3.89946E-05
2713	6.36896E-05	6.71813E-05	1.90512E-05	5.02788E-05	3.75639E-05	6.27295E-05	6.57345E-05	1.49973E-05	5.02788E-05	3.89062E-05
2714	6.11069E-05	6.46517E-05	1.57918E-05	5.00498E-05	3.79235E-05	6.08604E-05	6.39472E-05	1.1828E-05	5.00498E-05	3.93164E-05
2715	6.17728E-05	6.54437E-05	1.48455E-05	5.20873E-05	3.89842E-05	6.20341E-05	6.52668E-05	1.06831E-05	5.20873E-05	4.05156E-05
2716	6.63785E-05	7.03701E-05	1.53515E-05	5.72971E-05	4.11018E-05	6.70959E-05	7.0644E-05	1.07362E-05	5.72971E-05	4.28989E-05
2717	7.31223E-05	7.7478E-05	1.74399E-05	6.28409E-05	4.33121E-05	7.38062E-05	7.76707E-05	1.24199E-05	6.28409E-05	4.53781E-05
2718	7.82657E-05	8.28128E-05	2.01358E-05	6.57348E-05	4.37342E-05	7.84628E-05	8.24618E-05	1.49395E-05	6.57348E-05	4.57949E-05
2719	7.95813E-05	8.39679E-05	2.35033E-05	6.52205E-05	0.000134282	7.91466E-05	8.29753E-05	1.83293E-05	6.52205E-05	0.000130065
2720	7.36739E-05	7.75169E-05	2.45455E-05	6.21902E-05	0.000133483	7.37126E-05	7.7123E-05	1.954E-05	6.21902E-05	0.000129113
2721	7.14982E-05	7.51388E-05	2.49577E-05	5.90607E-05	0.000133937	7.10853E-05	7.42875E-05	2.02188E-05	5.90607E-05	0.00012961
2722	7.12715E-05	7.48217E-05	2.58867E-05	5.76348E-05	0.000134162	7.04326E-05	7.35264E-05	2.1288E-05	5.76348E-05	0.000129852
2723	7.12593E-05	7.47477E-05	2.66645E-05	5.67157E-05	0.000134351	7.01046E-05	7.31234E-05	2.21525E-05	5.67157E-05	0.000130059
2724	6.93629E-05	7.27751E-05	2.57413E-05	5.53123E-05	0.000119848	6.8282E-05	7.12361E-05	2.13562E-05	5.53123E-05	0.000116667
2725	6.77901E-05	7.11081E-05	2.53739E-05	5.37852E-05	0.000119661	6.66399E-05	6.95057E-05	2.11166E-05	5.37852E-05	0.000116456
2726	6.76314E-05	7.1013E-05	2.44022E-05	5.40912E-05	0.000118687	6.66617E-05	6.95874E-05	2.01885E-05	5.40912E-05	0.000115362
2727	7.08824E-05	7.45026E-05	2.46023E-05	5.72886E-05	0.000131627	7.00971E-05	7.32388E-05	2.01927E-05	5.72886E-05	0.000126995

2728	7.65502E-05	8.04955E-05	2.6114E-05	6.21465E-05	0.000129627	7.58096E-05	7.92376E-05	2.13556E-05	6.21465E-05	0.000124756
2729	8.19118E-05	8.61479E-05	2.77587E-05	6.6381E-05	0.000127995	8.10929E-05	8.47678E-05	2.27175E-05	6.6381E-05	0.000122931
2730	9.01309E-05	9.45569E-05	3.35502E-05	7.07169E-05	0.000127041	8.83705E-05	9.21657E-05	2.80845E-05	7.07169E-05	0.000121867
2731	0.000100912	0.00010543	4.31544E-05	7.5261E-05	9.68558E-05	9.74669E-05	0.000101267	3.7099E-05	7.5261E-05	9.37776E-05
2732	0.000104837	0.000109297	4.78297E-05	7.65676E-05	6.8397E-05	0.000100613	0.000104336	4.14714E-05	7.65676E-05	6.76673E-05
2733	0.000101511	0.000105761	4.71833E-05	7.27422E-05	5.27227E-05	9.69416E-05	0.000100461	4.10352E-05	7.27422E-05	5.29687E-05
2734	9.5854E-05	0.000100041	4.23237E-05	6.69292E-05	3.84968E-05	9.10819E-05	9.45122E-05	3.65922E-05	6.69292E-05	3.99413E-05
2735	8.42164E-05	8.80521E-05	3.51806E-05	6.00559E-05	3.78905E-05	8.05005E-05	8.36758E-05	3.0061E-05	6.00559E-05	3.92641E-05
2736	7.42654E-05	7.79657E-05	2.69625E-05	5.56208E-05	3.76157E-05	7.19984E-05	7.5124E-05	2.23495E-05	5.56208E-05	3.89605E-05
2737	6.36896E-05	6.71813E-05	1.90512E-05	5.02788E-05	3.75639E-05	6.27295E-05	6.57345E-05	1.49973E-05	5.02788E-05	3.89062E-05
2738	6.11069E-05	6.46517E-05	1.57918E-05	5.00498E-05	3.79235E-05	6.08604E-05	6.39472E-05	1.1828E-05	5.00498E-05	3.93164E-05
2739	6.17728E-05	6.54437E-05	1.48455E-05	5.20873E-05	3.89842E-05	6.20341E-05	6.52668E-05	1.06831E-05	5.20873E-05	4.05156E-05
2740	6.63785E-05	7.03701E-05	1.53515E-05	5.72971E-05	4.11018E-05	6.70959E-05	7.0644E-05	1.07362E-05	5.72971E-05	4.28989E-05
2741	7.31223E-05	7.7478E-05	1.74399E-05	6.28409E-05	4.33121E-05	7.38062E-05	7.76707E-05	1.24199E-05	6.28409E-05	4.53781E-05
2742	7.82657E-05	8.28128E-05	2.01358E-05	6.57348E-05	4.37342E-05	7.84628E-05	8.24618E-05	1.49395E-05	6.57348E-05	4.57949E-05
2743	7.95813E-05	8.39679E-05	2.35033E-05	6.52205E-05	0.000134282	7.91466E-05	8.29753E-05	1.83293E-05	6.52205E-05	0.000130065
2744	7.36739E-05	7.75169E-05	2.45455E-05	6.21902E-05	0.000133483	7.37126E-05	7.7123E-05	1.954E-05	6.21902E-05	0.000129113
2745	7.14982E-05	7.51388E-05	2.49577E-05	5.90607E-05	0.000133937	7.10853E-05	7.42875E-05	2.02188E-05	5.90607E-05	0.00012961
2746	7.12715E-05	7.48217E-05	2.58867E-05	5.76348E-05	0.000134162	7.04326E-05	7.35264E-05	2.1288E-05	5.76348E-05	0.000129852
2747	7.12593E-05	7.47477E-05	2.66645E-05	5.67157E-05	0.000134351	7.01046E-05	7.31234E-05	2.21525E-05	5.67157E-05	0.000130059
2748	6.93629E-05	7.27751E-05	2.57413E-05	5.53123E-05	0.000119848	6.8282E-05	7.12361E-05	2.13562E-05	5.53123E-05	0.000116667
2749	6.77901E-05	7.11081E-05	2.53739E-05	5.37852E-05	0.000119661	6.66399E-05	6.95057E-05	2.11166E-05	5.37852E-05	0.000116456
2750	6.76314E-05	7.1013E-05	2.44022E-05	5.40912E-05	0.000118687	6.66617E-05	6.95874E-05	2.01885E-05	5.40912E-05	0.000115362
2751	7.08824E-05	7.45026E-05	2.46023E-05	5.72886E-05	0.000131627	7.00971E-05	7.32388E-05	2.01927E-05	5.72886E-05	0.000126995
2752	7.65502E-05	8.04955E-05	2.6114E-05	6.21465E-05	0.000129627	7.58096E-05	7.92376E-05	2.13556E-05	6.21465E-05	0.000124756
2753	8.19118E-05	8.61479E-05	2.77587E-05	6.6381E-05	0.000127995	8.10929E-05	8.47678E-05	2.27175E-05	6.6381E-05	0.000122931
2754	9.01309E-05	9.45569E-05	3.35502E-05	7.07169E-05	0.000127041	8.83705E-05	9.21657E-05	2.80845E-05	7.07169E-05	0.000121867
2755	0.000100912	0.00010543	4.31544E-05	7.5261E-05	9.68558E-05	9.74669E-05	0.000101267	3.7099E-05	7.5261E-05	9.37776E-05
2756	0.000104837	0.000109297	4.78297E-05	7.65676E-05	6.8397E-05	0.000100613	0.000104336	4.14714E-05	7.65676E-05	6.76673E-05
2757	0.000101511	0.000105761	4.71833E-05	7.27422E-05	5.27227E-05	9.69416E-05	0.000100461	4.10352E-05	7.27422E-05	5.29687E-05
2758	9.5854E-05	0.000100041	4.23237E-05	6.69292E-05	3.84968E-05	9.10819E-05	9.45122E-05	3.65922E-05	6.69292E-05	3.99413E-05
2759	8.42164E-05	8.80521E-05	3.51806E-05	6.00559E-05	3.78905E-05	8.05005E-05	8.36758E-05	3.0061E-05	6.00559E-05	3.92641E-05
2760	7.42654E-05	7.79657E-05	2.69625E-05	5.56208E-05	3.76157E-05	7.19984E-05	7.5124E-05	2.23495E-05	5.56208E-05	3.89605E-05
2761	6.39694E-05	6.74785E-05	1.91102E-05	5.066E-05	3.75553E-05	6.30553E-05	6.60799E-05	1.50111E-05	5.066E-05	3.88975E-05
2762	6.13577E-05	6.49178E-05	1.58466E-05	5.04077E-05	3.79106E-05	6.11572E-05	6.42619E-05	1.18386E-05	5.04077E-05	3.93032E-05
2763	6.19756E-05	6.56586E-05	1.48923E-05	5.23965E-05	3.89749E-05	6.22799E-05	6.55277E-05	1.06895E-05	5.23965E-05	4.05062E-05
2764	6.65593E-05	7.0561E-05	1.54013E-05	5.76387E-05	4.10903E-05	6.73346E-05	7.08978E-05	1.07348E-05	5.76387E-05	4.28863E-05
2765	7.32061E-05	7.75658E-05	1.74728E-05	6.30799E-05	4.32778E-05	7.39409E-05	7.78144E-05	1.24106E-05	6.30799E-05	4.534E-05
2766	7.8367E-05	8.29196E-05	2.0168E-05	6.59612E-05	4.36808E-05	7.8607E-05	8.26154E-05	1.4935E-05	6.59612E-05	4.57357E-05
2767	7.81338E-05	8.24085E-05	2.34872E-05	6.52753E-05	0.000134237	7.80752E-05	8.18389E-05	1.82902E-05	6.52753E-05	0.000130015
2768	7.39186E-05	7.77769E-05	2.45946E-05	6.25037E-05	0.000133401	7.39916E-05	7.74186E-05	1.95542E-05	6.25037E-05	0.000129022
2769	7.17774E-05	7.54354E-05	2.5014E-05	5.94203E-05	0.000133802	7.14041E-05	7.46254E-05	2.02348E-05	5.94203E-05	0.00012946
2770	7.14867E-05	7.50503E-05	2.59304E-05	5.79143E-05	0.000134019	7.0679E-05	7.37875E-05	2.13E-05	5.79143E-05	0.000129694
2771	7.14685E-05	7.497E-05	2.67067E-05	5.69849E-05	0.000134194	7.03434E-05	7.33764E-05	2.21645E-05	5.69849E-05	0.000129885
2772	6.95111E-05	7.29324E-05	2.57746E-05	5.55309E-05	0.000119755	6.84595E-05	7.14245E-05	2.13617E-05	5.55309E-05	0.000116566
2773	6.79293E-05	7.12557E-05	2.54062E-05	5.39991E-05	0.000119575	6.68091E-05	6.96854E-05	2.11209E-05	5.39991E-05	0.000116362
2774	6.77267E-05	7.11139E-05	2.44255E-05	5.4247E-05	0.000118606	6.67803E-05	6.97133E-05	2.01904E-05	5.4247E-05	0.000115273
2775	7.10313E-05	7.46608E-05	2.46327E-05	5.74837E-05	0.000131567	7.02681E-05	7.342E-05	2.02009E-05	5.74837E-05	0.00012693
2776	7.66336E-05	8.05839E-05	2.61335E-05	6.22757E-05	0.000129599	7.59113E-05	7.93456E-05	2.1358E-05	6.22757E-05	0.000124725
2777	8.18378E-05	8.60694E-05	2.77415E-05	6.6267E-05	0.000127992	8.10029E-05	8.46723E-05	2.27153E-05	6.6267E-05	0.000122928
2778	9.00701E-05	9.44925E-05	3.35361E-05	7.06238E-05	0.000127045	8.82967E-05	9.20874E-05	2.80826E-05	7.06238E-05	0.000121871
2779	0.000100861	0.000105376	4.31483E-05	7.52292E-05	9.68702E-05	9.74187E-05	0.000101216	3.70924E-05	7.52292E-05	9.37936E-05
2780	0.000104767	0.000109221	4.78268E-05	7.65684E-05	6.83987E-05	0.00010056	0.00010428	4.14576E-05	7.65684E-05	6.76685E-05
2781	0.000103107	0.000107477	4.72364E-05	7.29361E-05	5.27441E-05	9.81993E-05	0.000101795	4.10766E-05	7.29361E-05	5.29919E-05
2782	9.58405E-05	0.000100027	4.23254E-05	6.69484E-05	3.85143E-05	9.10773E-05	9.45076E-05	3.65875E-05	6.69484E-05	3.99602E-05
2783	8.41594E-05	8.79912E-05	3.51738E-05	6.00207E-05	3.791E-05	8.04468E-05	8.36192E-05	3.00537E-05	6.00207E-05	3.92852E-05
2784	7.42293E-05	7.79271E-05	2.69572E-05	5.5591E-05	3.76468E-05	7.19621E-05	7.50857E-05	2.23456E-05	5.5591E-05	3.89946E-05
2785	6.39694E-05	6.74785E-05	1.91102E-05	5.066E-05	3.75553E-05	6.30553E-05	6.60799E-05	1.50111E-05	5.066E-05	3.88975E-05
2786	6.13577E-05	6.49178E-05	1.58466E-05	5.04077E-05	3.79106E-05	6.11572E-05	6.42619E-05	1.18386E-05	5.04077E-05	3.93032E-05
2787	6.19756E-05	6.56586E-05	1.48923E-05	5.23965E-05	3.89749E-05	6.22799E-05	6.55277E-05	1.06895E-05	5.23965E-05	4.05062E-05
2788	6.65593E-05	7.0561E-05	1.54013E-05	5.76387E-05	4.10903E-05	6.73346E-05	7.08978E-05	1.07348E-05	5.76387E-05	4.28863E-05
2789	7.32061E-05	7.75658E-05	1.74728E-05	6.30799E-05	4.32778E-05	7.39409E-05	7.78144E-05	1.24106E-05	6.30799E-05	4.534E-05
2790	7.8367E-05	8.29196E-05	2.0168E-05	6.59612E-05	4.36808E-05	7.8607E-05	8.26154E-05	1.4935E-05	6.59612E-05	4.57357E-05
2791	7.81338E-05	8.24085E-05	2.34872E-05	6.52753E-05	0.000134237	7.80752E-05	8.18389E-05	1.82902E-05	6.52753E-05	0.000130015
2792	7.39186E-05	7.77769E-05	2.45946E-05	6.25037E-05	0.000133401	7.39916E-05	7.74186E-05	1.95542E-05	6.25037E-05	0.000129022
2793	7.17774E-05	7.54354E-05	2.5014E-05	5.94203E-05	0.000133802	7.14041E-05	7.46254E-05	2.02348E-05	5.94203E-05	0.00012946
2794	7.14867E-05	7.50503E-05	2.59304E-05	5.79143E-05	0.000134019	7.0679E-05	7.37875E-05	2.13E-05	5.79143E-05	0.000129694
2795	7.14685E-05	7.497E-05	2.67067E-05	5.69849E-05	0.000134194	7.03434E-05	7.33764E-05	2.21645E-05	5.69849E-05	0.000129885
2796	6.95111E-05	7.29324E-05	2.57746E-05	5.55309E-05	0.000119755	6.84595E-05	7.14245E-05	2.13617E-05	5.55309E-05	0.000116566
2797	6.79293E-05	7.12557E-05	2.54062E-05	5.39991E-05	0.000119575	6.68091E-05	6.96854E-05	2.11209E-05	5.39991E-05	0.000116362
2798	6.77267E-05	7.11139E-05	2.44255E-05	5.4247E-05	0.000118606	6.67803E-05	6.97133E-05	2.01904E-05	5.4247E-05	0.000115273
2799	7.10313E-05	7.46608E-05	2.46327E-05	5.74837E-05	0.000131567	7.02681E-05	7.342E-05	2.02009E-05	5.74837E-05	0.00012693
2800	7.66336E-05	8.05839E-05	2.61335E-05	6.22757E-05	0.000129599	7.59113E-05	7.93456E-05	2.1358E-05	6.22757E-05	0.000124725
2801	8.18378E-05	8.60694E-05	2.77415E-05	6.6267E-05	0.000127992	8.10029E-05	8.46723E-05	2.27153E-05	6.6267E-05	0.000122928
2802	9.00701E-05	9.44925E-05	3.35361E-05	7.06238E-05	0.000127045	8.82967E-05	9.20874E-05	2.80826E-05	7.06238E-05	0.000121871
2803	0.000100861	0.000105376	4.31483E-05	7.52292E-05	9.68702E-05	9.74187E-05	0.000101216	3.70924E-05	7.52292E-05	9.37936E-05

2804	0.000104767	0.000109221	4.78268E-05	7.65684E-05	6.83987E-05	0.00010056	0.00010428	4.14576E-05	7.65684E-05	6.76685E-05
2805	0.000103107	0.000107477	4.72364E-05	7.29361E-05	5.27441E-05	9.81993E-05	0.000101795	4.10766E-05	7.29361E-05	5.29919E-05
2806	9.58405E-05	0.000100027	4.23254E-05	6.69484E-05	3.85143E-05	9.10773E-05	9.45076E-05	3.65875E-05	6.69484E-05	3.99602E-05
2807	8.41594E-05	8.79912E-05	3.51738E-05	6.00207E-05	3.791E-05	8.04468E-05	8.36192E-05	3.00537E-05	6.00207E-05	3.92852E-05
2808	7.42293E-05	7.79271E-05	2.69572E-05	5.5591E-05	3.76468E-05	7.19621E-05	7.50857E-05	2.23456E-05	5.5591E-05	3.89946E-05
2809	6.39694E-05	6.74785E-05	1.91102E-05	5.066E-05	3.75553E-05	6.30553E-05	6.60799E-05	1.50111E-05	5.066E-05	3.88975E-05
2810	6.13577E-05	6.49178E-05	1.58466E-05	5.04077E-05	3.79106E-05	6.11572E-05	6.42619E-05	1.18386E-05	5.04077E-05	3.93032E-05
2811	6.19756E-05	6.56586E-05	1.48923E-05	5.23965E-05	3.89749E-05	6.22799E-05	6.55277E-05	1.06895E-05	5.23965E-05	4.05062E-05
2812	6.65593E-05	7.0561E-05	1.54013E-05	5.76387E-05	4.10903E-05	6.73346E-05	7.08978E-05	1.07348E-05	5.76387E-05	4.28863E-05
2813	7.32061E-05	7.75658E-05	1.74728E-05	6.30799E-05	4.32778E-05	7.39409E-05	7.78144E-05	1.24106E-05	6.30799E-05	4.534E-05
2814	7.8367E-05	8.29196E-05	2.0168E-05	6.59612E-05	4.36808E-05	7.8607E-05	8.26154E-05	1.4935E-05	6.59612E-05	4.57357E-05
2815	7.81338E-05	8.24085E-05	2.34872E-05	6.52753E-05	0.000134237	7.80752E-05	8.18389E-05	1.82902E-05	6.52753E-05	0.000130015
2816	7.39186E-05	7.77769E-05	2.45946E-05	6.25037E-05	0.000133401	7.39916E-05	7.74186E-05	1.95542E-05	6.25037E-05	0.000129022
2817	7.17774E-05	7.54354E-05	2.5014E-05	5.94203E-05	0.000133802	7.14041E-05	7.46254E-05	2.02348E-05	5.94203E-05	0.00012946
2818	7.14867E-05	7.50503E-05	2.59304E-05	5.79143E-05	0.000134019	7.0679E-05	7.37875E-05	2.13E-05	5.79143E-05	0.000129694
2819	7.14685E-05	7.497E-05	2.67067E-05	5.69849E-05	0.000134194	7.03434E-05	7.33764E-05	2.21645E-05	5.69849E-05	0.000129885
2820	6.95111E-05	7.29324E-05	2.57746E-05	5.55309E-05	0.000119755	6.84595E-05	7.14245E-05	2.13617E-05	5.55309E-05	0.000116566
2821	6.79293E-05	7.12557E-05	2.54062E-05	5.39991E-05	0.000119575	6.68091E-05	6.96854E-05	2.11209E-05	5.39991E-05	0.000116362
2822	6.77267E-05	7.11139E-05	2.44255E-05	5.4247E-05	0.000118606	6.67803E-05	6.97133E-05	2.01904E-05	5.4247E-05	0.000115273
2823	7.10313E-05	7.46608E-05	2.46327E-05	5.74837E-05	0.000131567	7.02681E-05	7.342E-05	2.02009E-05	5.74837E-05	0.00012693
2824	7.66336E-05	8.05839E-05	2.61335E-05	6.22757E-05	0.000129599	7.59113E-05	7.93456E-05	2.1358E-05	6.22757E-05	0.000124725
2825	8.18378E-05	8.60694E-05	2.77415E-05	6.6267E-05	0.000127992	8.10029E-05	8.46723E-05	2.27153E-05	6.6267E-05	0.000122928
2826	9.00701E-05	9.44925E-05	3.35361E-05	7.06238E-05	0.000127045	8.82967E-05	9.20874E-05	2.80826E-05	7.06238E-05	0.000121871
2827	0.000100861	0.000105376	4.31483E-05	7.52292E-05	9.68702E-05	9.74187E-05	0.000101216	3.70924E-05	7.52292E-05	9.37936E-05
2828	0.000104767	0.000109221	4.78268E-05	7.65684E-05	6.83987E-05	0.00010056	0.00010428	4.14576E-05	7.65684E-05	6.76685E-05
2829	0.000103107	0.000107477	4.72364E-05	7.29361E-05	5.27441E-05	9.81993E-05	0.000101795	4.10766E-05	7.29361E-05	5.29919E-05
2830	9.58405E-05	0.000100027	4.23254E-05	6.69484E-05	3.85143E-05	9.10773E-05	9.45076E-05	3.65875E-05	6.69484E-05	3.99602E-05
2831	8.41594E-05	8.79912E-05	3.51738E-05	6.00207E-05	3.791E-05	8.04468E-05	8.36192E-05	3.00537E-05	6.00207E-05	3.92852E-05
2832	7.42293E-05	7.79271E-05	2.69572E-05	5.5591E-05	3.76468E-05	7.19621E-05	7.50857E-05	2.23456E-05	5.5591E-05	3.89946E-05
2833	6.39694E-05	6.74785E-05	1.91102E-05	5.066E-05	3.75553E-05	6.30553E-05	6.60799E-05	1.50111E-05	5.066E-05	3.88975E-05
2834	6.13577E-05	6.49178E-05	1.58466E-05	5.04077E-05	3.79106E-05	6.11572E-05	6.42619E-05	1.18386E-05	5.04077E-05	3.93032E-05
2835	6.19756E-05	6.56586E-05	1.48923E-05	5.23965E-05	3.89749E-05	6.22799E-05	6.55277E-05	1.06895E-05	5.23965E-05	4.05062E-05
2836	6.65593E-05	7.0561E-05	1.54013E-05	5.76387E-05	4.10903E-05	6.73346E-05	7.08978E-05	1.07348E-05	5.76387E-05	4.28863E-05
2837	7.32061E-05	7.75658E-05	1.74728E-05	6.30799E-05	4.32778E-05	7.39409E-05	7.78144E-05	1.24106E-05	6.30799E-05	4.534E-05
2838	7.8367E-05	8.29196E-05	2.0168E-05	6.59612E-05	4.36808E-05	7.8607E-05	8.26154E-05	1.4935E-05	6.59612E-05	4.57357E-05
2839	7.81338E-05	8.24085E-05	2.34872E-05	6.52753E-05	0.000134237	7.80752E-05	8.18389E-05	1.82902E-05	6.52753E-05	0.000130015
2840	7.39186E-05	7.77769E-05	2.45946E-05	6.25037E-05	0.000133401	7.39916E-05	7.74186E-05	1.95542E-05	6.25037E-05	0.000129022
2841	7.17774E-05	7.54354E-05	2.5014E-05	5.94203E-05	0.000133802	7.14041E-05	7.46254E-05	2.02348E-05	5.94203E-05	0.00012946
2842	7.14867E-05	7.50503E-05	2.59304E-05	5.79143E-05	0.000134019	7.0679E-05	7.37875E-05	2.13E-05	5.79143E-05	0.000129694
2843	7.14685E-05	7.497E-05	2.67067E-05	5.69849E-05	0.000134194	7.03434E-05	7.33764E-05	2.21645E-05	5.69849E-05	0.000129885
2844	6.95111E-05	7.29324E-05	2.57746E-05	5.55309E-05	0.000119755	6.84595E-05	7.14245E-05	2.13617E-05	5.55309E-05	0.000116566
2845	6.79293E-05	7.12557E-05	2.54062E-05	5.39991E-05	0.000119575	6.68091E-05	6.96854E-05	2.11209E-05	5.39991E-05	0.000116362
2846	6.77267E-05	7.11139E-05	2.44255E-05	5.4247E-05	0.000118606	6.67803E-05	6.97133E-05	2.01904E-05	5.4247E-05	0.000115273
2847	7.10313E-05	7.46608E-05	2.46327E-05	5.74837E-05	0.000131567	7.02681E-05	7.342E-05	2.02009E-05	5.74837E-05	0.00012693
2848	7.66336E-05	8.05839E-05	2.61335E-05	6.22757E-05	0.000129599	7.59113E-05	7.93456E-05	2.1358E-05	6.22757E-05	0.000124725
2849	8.18378E-05	8.60694E-05	2.77415E-05	6.6267E-05	0.000127992	8.10029E-05	8.46723E-05	2.27153E-05	6.6267E-05	0.000122928
2850	9.00701E-05	9.44925E-05	3.35361E-05	7.06238E-05	0.000127045	8.82967E-05	9.20874E-05	2.80826E-05	7.06238E-05	0.000121871
2851	0.000100861	0.000105376	4.31483E-05	7.52292E-05	9.68702E-05	9.74187E-05	0.000101216	3.70924E-05	7.52292E-05	9.37936E-05
2852	0.000104767	0.000109221	4.78268E-05	7.65684E-05	6.83987E-05	0.00010056	0.00010428	4.14576E-05	7.65684E-05	6.76685E-05
2853	0.000103107	0.000107477	4.72364E-05	7.29361E-05	5.27441E-05	9.81993E-05	0.000101795	4.10766E-05	7.29361E-05	5.29919E-05
2854	9.58405E-05	0.000100027	4.23254E-05	6.69484E-05	3.85143E-05	9.10773E-05	9.45076E-05	3.65875E-05	6.69484E-05	3.99602E-05
2855	8.41594E-05	8.79912E-05	3.51738E-05	6.00207E-05	3.791E-05	8.04468E-05	8.36192E-05	3.00537E-05	6.00207E-05	3.92852E-05
2856	7.42293E-05	7.79271E-05	2.69572E-05	5.5591E-05	3.76468E-05	7.19621E-05	7.50857E-05	2.23456E-05	5.5591E-05	3.89946E-05
2857	6.39694E-05	6.74785E-05	1.91102E-05	5.066E-05	3.75553E-05	6.30553E-05	6.60799E-05	1.50111E-05	5.066E-05	3.88975E-05
2858	6.13577E-05	6.49178E-05	1.58466E-05	5.04077E-05	3.79106E-05	6.11572E-05	6.42619E-05	1.18386E-05	5.04077E-05	3.93032E-05
2859	6.19756E-05	6.56586E-05	1.48923E-05	5.23965E-05	3.89749E-05	6.22799E-05	6.55277E-05	1.06895E-05	5.23965E-05	4.05062E-05
2860	6.65593E-05	7.0561E-05	1.54013E-05	5.76387E-05	4.10903E-05	6.73346E-05	7.08978E-05	1.07348E-05	5.76387E-05	4.28863E-05
2861	7.32061E-05	7.75658E-05	1.74728E-05	6.30799E-05	4.32778E-05	7.39409E-05	7.78144E-05	1.24106E-05	6.30799E-05	4.534E-05
2862	7.8367E-05	8.29196E-05	2.0168E-05	6.59612E-05	4.36808E-05	7.8607E-05	8.26154E-05	1.4935E-05	6.59612E-05	4.57357E-05
2863	7.81338E-05	8.24085E-05	2.34872E-05	6.52753E-05	0.000134237	7.80752E-05	8.18389E-05	1.82902E-05	6.52753E-05	0.000130015
2864	7.39186E-05	7.77769E-05	2.45946E-05	6.25037E-05	0.000133401	7.39916E-05	7.74186E-05	1.95542E-05	6.25037E-05	0.000129022
2865	7.17774E-05	7.54354E-05	2.5014E-05	5.94203E-05	0.000133802	7.14041E-05	7.46254E-05	2.02348E-05	5.94203E-05	0.00012946
2866	7.14867E-05	7.50503E-05	2.59304E-05	5.79143E-05	0.000134019	7.0679E-05	7.37875E-05	2.13E-05	5.79143E-05	0.000129694
2867	7.14685E-05	7.497E-05	2.67067E-05	5.69849E-05	0.000134194	7.03434E-05	7.33764E-05	2.21645E-05	5.69849E-05	0.000129885
2868	6.95111E-05	7.29324E-05	2.57746E-05	5.55309E-05	0.000119755	6.84595E-05	7.14245E-05	2.13617E-05	5.55309E-05	0.000116566
2869	6.79293E-05	7.12557E-05	2.54062E-05	5.39991E-05	0.000119575	6.68091E-05	6.96854E-05	2.11209E-05	5.39991E-05	0.000116362
2870	6.77267E-05	7.11139E-05	2.44255E-05	5.4247E-05	0.000118606	6.67803E-05	6.97133E-05	2.01904E-05	5.4247E-05	0.000115273
2871	7.10313E-05	7.46608E-05	2.46327E-05	5.74837E-05	0.000131567	7.02681E-05	7.342E-05	2.02009E-05	5.74837E-05	0.00012693
2872	7.66336E-05	8.05839E-05	2.61335E-05	6.22757E-05	0.000129599	7.59113E-05	7.93456E-05	2.1358E-05	6.22757E-05	0.000124725
2873	8.18378E-05	8.60694E-05	2.77415E-05	6.6267E-05	0.000127992	8.10029E-05	8.46723E-05	2.27153E-05	6.6267E-05	0.000122928
2874	9.00701E-05	9.44925E-05	3.35361E-05	7.06238E-05	0.000127045	8.82967E-05	9.20874E-05	2.80826E-05	7.06238E-05	0.000121871
2875	0.000100861	0.000105376	4.31483E-05	7.52292E-05	9.68702E-05	9.74187E-05	0.000101216	3.70924E-05	7.52292E-05	9.37936E-05
2876	0.000104767	0.000109221	4.78268E-05	7.65684E-05	6.83987E-05	0.00010056	0.00010428	4.14576E-05	7.65684E-05	6.76685E-05
2877	0.000103107	0.000107477	4.72364E-05	7.29361E-05	5.27441E-05	9.81993E-05	0.000101795	4.10766E-05	7.29361E-05	5.29919E-05
2878	9.58405E-05	0.000100027	4.23254E-05	6.69484E-05	3.85143E-05	9.10773E-05	9.45076E-05	3.65875E-05	6.69484E-05	3.99602E-05
2879	8.41594E-05	8.79912E-05	3.51738E-05	6.00207E-05	3.791E-05	8.04468E-05	8.36192E-05	3.00537E-05	6.00207E-05	3.92852E-05

2880	7.42293E-05	7.79271E-05	2.69572E-05	5.5591E-05	3.76468E-05	7.19621E-05	7.50857E-05	2.23456E-05	5.5591E-05	3.89946E-05
2881	6.36896E-05	6.71813E-05	1.90512E-05	5.02788E-05	3.75639E-05	6.27295E-05	6.57345E-05	1.49973E-05	5.02788E-05	3.89062E-05
2882	6.11069E-05	6.46517E-05	1.57918E-05	5.00498E-05	3.79235E-05	6.08604E-05	6.39472E-05	1.1828E-05	5.00498E-05	3.93164E-05
2883	6.17728E-05	6.54437E-05	1.48455E-05	5.20873E-05	3.89842E-05	6.20341E-05	6.52668E-05	1.06831E-05	5.20873E-05	4.05156E-05
2884	6.63785E-05	7.03701E-05	1.53515E-05	5.72971E-05	4.11018E-05	6.70959E-05	7.0644E-05	1.07362E-05	5.72971E-05	4.28989E-05
2885	7.31223E-05	7.7478E-05	1.74399E-05	6.28409E-05	4.33121E-05	7.38062E-05	7.76707E-05	1.24199E-05	6.28409E-05	4.53781E-05
2886	7.82657E-05	8.28128E-05	2.01358E-05	6.57348E-05	4.37342E-05	7.84628E-05	8.24618E-05	1.49395E-05	6.57348E-05	4.57949E-05
2887	7.95813E-05	8.39679E-05	2.35033E-05	6.52205E-05	0.000134282	7.91466E-05	8.29753E-05	1.83293E-05	6.52205E-05	0.000130065
2888	7.36739E-05	7.75169E-05	2.45455E-05	6.21902E-05	0.000133483	7.37126E-05	7.7123E-05	1.954E-05	6.21902E-05	0.000129113
2889	7.14982E-05	7.51388E-05	2.49577E-05	5.90607E-05	0.000133937	7.10853E-05	7.42875E-05	2.02188E-05	5.90607E-05	0.00012961
2890	7.12715E-05	7.48217E-05	2.58867E-05	5.76348E-05	0.000134162	7.04326E-05	7.35264E-05	2.1288E-05	5.76348E-05	0.000129852
2891	7.12593E-05	7.47477E-05	2.66645E-05	5.67157E-05	0.000134351	7.01046E-05	7.31234E-05	2.21525E-05	5.67157E-05	0.000130059
2892	6.93629E-05	7.27751E-05	2.57413E-05	5.53123E-05	0.000119848	6.8282E-05	7.12361E-05	2.13562E-05	5.53123E-05	0.000116667
2893	6.77901E-05	7.11081E-05	2.53739E-05	5.37852E-05	0.000119661	6.66399E-05	6.95057E-05	2.11166E-05	5.37852E-05	0.000116456
2894	6.76314E-05	7.1013E-05	2.44022E-05	5.40912E-05	0.000118687	6.66617E-05	6.95874E-05	2.01885E-05	5.40912E-05	0.000115362
2895	7.08824E-05	7.45026E-05	2.46023E-05	5.72886E-05	0.000131627	7.00971E-05	7.32388E-05	2.01927E-05	5.72886E-05	0.000126995
2896	7.65502E-05	8.04955E-05	2.6114E-05	6.21465E-05	0.000129627	7.58096E-05	7.92376E-05	2.13556E-05	6.21465E-05	0.000124756
2897	8.19118E-05	8.61479E-05	2.77587E-05	6.6381E-05	0.000127995	8.10929E-05	8.47678E-05	2.27175E-05	6.6381E-05	0.000122931
2898	9.01309E-05	9.45569E-05	3.35502E-05	7.07169E-05	0.000127041	8.83705E-05	9.21657E-05	2.80845E-05	7.07169E-05	0.000121867
2899	0.000100912	0.00010543	4.31544E-05	7.5261E-05	9.68558E-05	9.74669E-05	0.000101267	3.7099E-05	7.5261E-05	9.37776E-05
2900	0.000104837	0.000109297	4.78297E-05	7.65676E-05	6.8397E-05	0.000100613	0.000104336	4.14714E-05	7.65676E-05	6.76673E-05
2901	0.000101511	0.000105761	4.71833E-05	7.27422E-05	5.27227E-05	9.69416E-05	0.000100461	4.10352E-05	7.27422E-05	5.29687E-05
2902	9.5854E-05	0.000100041	4.23237E-05	6.69292E-05	3.84968E-05	9.10819E-05	9.45122E-05	3.65922E-05	6.69292E-05	3.99413E-05
2903	8.42164E-05	8.80521E-05	3.51806E-05	6.00559E-05	3.78905E-05	8.05005E-05	8.36758E-05	3.0061E-05	6.00559E-05	3.92641E-05
2904	7.42654E-05	7.79657E-05	2.69625E-05	5.56208E-05	3.76157E-05	7.19984E-05	7.5124E-05	2.23495E-05	5.56208E-05	3.89605E-05
2905	6.34033E-05	6.68951E-05	1.87645E-05	4.80386E-05	7.64968E-05	6.18473E-05	6.4785E-05	1.51818E-05	4.80386E-05	8.05458E-05
2906	5.88667E-05	6.22855E-05	1.51622E-05	4.57101E-05	7.89153E-05	5.78708E-05	6.07676E-05	1.1856E-05	4.57101E-05	8.3118E-05
2907	5.94639E-05	6.30069E-05	1.41709E-05	4.74046E-05	8.3902E-05	5.88905E-05	6.19221E-05	1.07344E-05	4.74046E-05	8.84414E-05
2908	6.25742E-05	6.63388E-05	1.4449E-05	5.12893E-05	9.1017E-05	6.24232E-05	6.56833E-05	1.06374E-05	5.12893E-05	9.60459E-05
2909	6.75566E-05	7.1563E-05	1.63389E-05	5.5843E-05	9.90266E-05	6.75019E-05	7.09907E-05	1.20829E-05	5.5843E-05	0.000104615
2910	7.31096E-05	7.73321E-05	1.91304E-05	5.93709E-05	0.000105958	7.26579E-05	7.6312E-05	1.46145E-05	5.93709E-05	0.000111907
2911	7.61893E-05	8.03728E-05	2.27081E-05	5.99403E-05	0.000203086	7.50032E-05	7.85771E-05	1.8233E-05	5.99403E-05	0.000203161
2912	7.26514E-05	7.64516E-05	2.40692E-05	5.86661E-05	0.000205511	7.189E-05	7.51744E-05	1.97184E-05	5.86661E-05	0.00020564
2913	7.3162E-05	7.69298E-05	2.49952E-05	5.87696E-05	0.000207475	7.22628E-05	7.55167E-05	2.05754E-05	5.87696E-05	0.000207754
2914	7.41663E-05	7.79193E-05	2.61896E-05	5.90695E-05	0.000207967	7.30574E-05	7.62905E-05	2.16999E-05	5.90695E-05	0.000208289
2915	7.50112E-05	7.87623E-05	2.70583E-05	5.85862E-05	0.000208071	7.35097E-05	7.67093E-05	2.26852E-05	5.85862E-05	0.000208407
2916	7.42574E-05	7.80062E-05	2.63333E-05	5.83917E-05	0.000193569	7.29138E-05	7.61201E-05	2.19825E-05	5.83917E-05	0.000195011
2917	7.51722E-05	7.89865E-05	2.64109E-05	5.96067E-05	0.000191757	7.3975E-05	7.72511E-05	2.19349E-05	5.96067E-05	0.000193076
2918	7.71406E-05	8.11557E-05	2.58111E-05	6.21885E-05	0.00018613	7.6288E-05	7.97573E-05	2.11783E-05	6.21885E-05	0.000187063
2919	8.3267E-05	8.77107E-05	2.64595E-05	6.80164E-05	0.00019348	8.26882E-05	8.65426E-05	2.14624E-05	6.80164E-05	0.000192818
2920	8.87484E-05	9.35075E-05	2.7908E-05	7.24245E-05	0.000186508	8.81256E-05	9.22483E-05	2.26371E-05	7.24245E-05	0.000185355
2921	9.13888E-05	9.62583E-05	2.91375E-05	7.42431E-05	0.000181351	9.0625E-05	9.48365E-05	2.37263E-05	7.42431E-05	0.000179829
2922	9.81631E-05	0.000103125	3.47323E-05	7.74914E-05	0.000178493	9.64824E-05	0.000100735	2.89275E-05	7.74914E-05	0.000176756
2923	0.00010754	0.000112502	4.4109E-05	8.06796E-05	0.000147418	0.00010411	0.000108283	3.7813E-05	8.06796E-05	0.000147726
2924	0.000109983	0.000114793	4.85008E-05	8.0202E-05	0.000116651	0.0001056	0.000109599	4.20872E-05	8.0202E-05	0.000119161
2925	0.000107129	0.00011176	4.79212E-05	7.67536E-05	9.82446E-05	0.0001024	0.000106221	4.17029E-05	7.67536E-05	0.000101581
2926	0.000100915	0.000105451	4.29257E-05	7.00308E-05	8.06297E-05	9.58465E-05	9.95355E-05	3.72486E-05	7.00308E-05	8.49781E-05
2927	8.72342E-05	9.12838E-05	3.54651E-05	6.12964E-05	7.79166E-05	8.3161E-05	8.64751E-05	3.05179E-05	6.12964E-05	8.20729E-05
2928	7.46077E-05	7.83494E-05	2.67755E-05	5.39703E-05	7.64038E-05	7.17686E-05	7.48644E-05	2.25936E-05	5.39703E-05	8.04504E-05
2929	6.30072E-05	6.64731E-05	1.87002E-05	4.76555E-05	7.7064E-05	6.14327E-05	6.43467E-05	1.51455E-05	4.76555E-05	8.1148E-05
2930	5.91215E-05	6.25575E-05	1.51966E-05	4.58996E-05	7.85066E-05	5.81206E-05	6.10313E-05	1.18854E-05	4.58996E-05	8.2682E-05
2931	5.93919E-05	6.29304E-05	1.41565E-05	4.73129E-05	8.34147E-05	5.88086E-05	6.18353E-05	1.07302E-05	4.73129E-05	8.79214E-05
2932	6.22739E-05	6.60189E-05	1.43991E-05	5.09895E-05	9.04382E-05	6.21061E-05	6.53479E-05	1.06108E-05	5.09895E-05	9.54283E-05
2933	6.73802E-05	7.13757E-05	1.63027E-05	5.56108E-05	9.81809E-05	6.7299E-05	7.07756E-05	1.20734E-05	5.56108E-05	0.000103711
2934	7.28209E-05	7.7025E-05	1.90767E-05	5.90357E-05	0.000104796	7.23391E-05	7.59743E-05	1.45941E-05	5.90357E-05	0.000110664
2935	7.43363E-05	7.83822E-05	2.2615E-05	5.95122E-05	0.000201552	7.34804E-05	7.69626E-05	1.81664E-05	5.95122E-05	0.00020152
2936	7.24015E-05	7.61851E-05	2.40337E-05	5.84656E-05	0.000203817	7.16408E-05	7.49112E-05	1.96911E-05	5.84656E-05	0.000203828
2937	7.29806E-05	7.67359E-05	2.49736E-05	5.86584E-05	0.000205782	7.2092E-05	7.53367E-05	2.05519E-05	5.86584E-05	0.000205943
2938	7.41167E-05	7.78666E-05	2.61795E-05	5.90048E-05	0.000206293	7.30005E-05	7.62302E-05	2.16971E-05	5.90048E-05	0.000206498
2939	7.50536E-05	7.88073E-05	2.70663E-05	5.86358E-05	0.000206444	7.35566E-05	7.67589E-05	2.26882E-05	5.86358E-05	0.000206665
2940	7.45022E-05	7.82672E-05	2.63718E-05	5.86186E-05	0.000192006	7.31671E-05	7.63879E-05	2.20061E-05	5.86186E-05	0.000193337
2941	7.56321E-05	7.94768E-05	2.64816E-05	6.00199E-05	0.000190368	7.4447E-05	7.77499E-05	2.19805E-05	6.00199E-05	0.000191589
2942	7.73719E-05	8.1403E-05	2.58399E-05	6.23405E-05	0.000184943	7.65088E-05	7.99902E-05	2.12072E-05	6.23405E-05	0.000185789
2943	8.29622E-05	8.73863E-05	2.64058E-05	6.76869E-05	0.000192412	8.23589E-05	8.61941E-05	2.14382E-05	6.76869E-05	0.000191671
2944	8.75308E-05	9.22093E-05	2.77224E-05	7.13453E-05	0.000185398	8.68804E-05	9.09325E-05	2.25149E-05	7.13453E-05	0.000184164
2945	9.01307E-05	9.49171E-05	2.89425E-05	7.3102E-05	0.000180328	8.93308E-05	9.34686E-05	2.36029E-05	7.3102E-05	0.000178731
2946	9.69437E-05	0.000101825	3.45448E-05	7.63969E-05	0.000177559	9.52314E-05	9.94131E-05	2.88066E-05	7.63969E-05	0.000175756
2947	0.000106415	0.000111303	4.3938E-05	7.96862E-05	0.000146358	0.000102961	0.000107069	3.76998E-05	7.96862E-05	0.000146591
2948	0.000108912	0.00011365	4.83364E-05	7.92439E-05	0.000115651	0.000104502	0.000108438	4.19805E-05	7.92439E-05	0.00011809
2949	0.000107777	0.000112467	4.78237E-05	7.60571E-05	9.72632E-05	0.000102674	0.000106515	4.16547E-05	7.60571E-05	0.000100529
2950	0.000100177	0.000104664	4.28123E-05	6.93691E-05	7.97064E-05	9.50897E-05	9.87357E-05	3.71754E-05	6.93691E-05	8.39874E-05
2951	8.67809E-05	9.08006E-05	3.53937E-05	6.08759E-05	7.70741E-05	8.26919E-05	8.59792E-05	3.04744E-05	6.08759E-05	8.11684E-05
2952	7.42294E-05	7.79461E-05	2.67161E-05	5.36209E-05	7.56546E-05	7.13775E-05	7.4451E-05	2.25572E-05	5.36209E-05	7.96457E-05
2953	6.30072E-05	6.64731E-05	1.87002E-05	4.76555E-05	7.7064E-05	6.14327E-05	6.43467E-05	1.51455E-05	4.76555E-05	8.1148E-05
2954	5.91215E-05	6.25575E-05	1.51966E-05	4.58996E-05	7.85066E-05	5.81206E-05	6.10313E-05	1.18854E-05	4.58996E-05	8.2682E-05
2955	5.93919E-05	6.29304E-05	1.41565E-05	4.73129E-05	8.34147E-05	5.88086E-05	6.18353E-05	1.07302E-05	4.73129E-05	8.79214E-05

2956	6.22739E-05	6.60189E-05	1.43991E-05	5.09895E-05	9.04382E-05	6.21061E-05	6.53479E-05	1.06108E-05	5.09895E-05	9.54283E-05
2957	6.73802E-05	7.13757E-05	1.63027E-05	5.56108E-05	9.81809E-05	6.7299E-05	7.07756E-05	1.20734E-05	5.56108E-05	0.000103711
2958	7.28209E-05	7.7025E-05	1.90767E-05	5.90357E-05	0.000104796	7.23391E-05	7.59743E-05	1.45941E-05	5.90357E-05	0.000110664
2959	7.43363E-05	7.83822E-05	2.2615E-05	5.95122E-05	0.000201552	7.34804E-05	7.69626E-05	1.81664E-05	5.95122E-05	0.00020152
2960	7.24015E-05	7.61851E-05	2.40337E-05	5.84656E-05	0.000203817	7.16408E-05	7.49112E-05	1.96911E-05	5.84656E-05	0.000203828
2961	7.29806E-05	7.67359E-05	2.49736E-05	5.86584E-05	0.000205782	7.2092E-05	7.53367E-05	2.05519E-05	5.86584E-05	0.000205943
2962	7.41167E-05	7.78666E-05	2.61795E-05	5.90048E-05	0.000206293	7.30005E-05	7.62302E-05	2.16971E-05	5.90048E-05	0.000206498
2963	7.50536E-05	7.88073E-05	2.70663E-05	5.86358E-05	0.000206444	7.35566E-05	7.67589E-05	2.26882E-05	5.86358E-05	0.000206665
2964	7.45022E-05	7.82672E-05	2.63718E-05	5.86186E-05	0.000192006	7.31671E-05	7.63879E-05	2.20061E-05	5.86186E-05	0.000193337
2965	7.56321E-05	7.94768E-05	2.64816E-05	6.00199E-05	0.000190368	7.4447E-05	7.77499E-05	2.19805E-05	6.00199E-05	0.000191589
2966	7.73719E-05	8.1403E-05	2.58399E-05	6.23405E-05	0.000184943	7.65088E-05	7.99902E-05	2.12072E-05	6.23405E-05	0.000185789
2967	8.29622E-05	8.73863E-05	2.64058E-05	6.76869E-05	0.000192412	8.23589E-05	8.61941E-05	2.14382E-05	6.76869E-05	0.000191671
2968	8.75308E-05	9.22093E-05	2.77224E-05	7.13453E-05	0.000185398	8.68804E-05	9.09325E-05	2.25149E-05	7.13453E-05	0.000184164
2969	9.01307E-05	9.49171E-05	2.89425E-05	7.3102E-05	0.000180328	8.93308E-05	9.34686E-05	2.36029E-05	7.3102E-05	0.000178731
2970	9.69437E-05	0.000101825	3.45448E-05	7.63969E-05	0.000177559	9.52314E-05	9.94131E-05	2.88066E-05	7.63969E-05	0.000175756
2971	0.000106415	0.000111303	4.3938E-05	7.96862E-05	0.000146358	0.000102961	0.000107069	3.76998E-05	7.96862E-05	0.000146591
2972	0.000108912	0.00011365	4.83364E-05	7.92439E-05	0.000115651	0.000104502	0.000108438	4.19805E-05	7.92439E-05	0.00011809
2973	0.000107777	0.000112467	4.78237E-05	7.60571E-05	9.72632E-05	0.000102674	0.000106515	4.16547E-05	7.60571E-05	0.000100529
2974	0.000100177	0.000104664	4.28123E-05	6.93691E-05	7.97064E-05	9.50897E-05	9.87357E-05	3.71754E-05	6.93691E-05	8.39874E-05
2975	8.67809E-05	9.08006E-05	3.53937E-05	6.08759E-05	7.70741E-05	8.26919E-05	8.59792E-05	3.04744E-05	6.08759E-05	8.11684E-05
2976	7.42294E-05	7.79461E-05	2.67161E-05	5.36209E-05	7.56546E-05	7.13775E-05	7.4451E-05	2.25572E-05	5.36209E-05	7.96457E-05
2977	6.30072E-05	6.64731E-05	1.87002E-05	4.76555E-05	7.7064E-05	6.14327E-05	6.43467E-05	1.51455E-05	4.76555E-05	8.1148E-05
2978	5.91215E-05	6.25575E-05	1.51966E-05	4.58996E-05	7.85066E-05	5.81206E-05	6.10313E-05	1.18854E-05	4.58996E-05	8.2682E-05
2979	5.93919E-05	6.29304E-05	1.41565E-05	4.73129E-05	8.34147E-05	5.88086E-05	6.18353E-05	1.07302E-05	4.73129E-05	8.79214E-05
2980	6.22739E-05	6.60189E-05	1.43991E-05	5.09895E-05	9.04382E-05	6.21061E-05	6.53479E-05	1.06108E-05	5.09895E-05	9.54283E-05
2981	6.73802E-05	7.13757E-05	1.63027E-05	5.56108E-05	9.81809E-05	6.7299E-05	7.07756E-05	1.20734E-05	5.56108E-05	0.000103711
2982	7.28209E-05	7.7025E-05	1.90767E-05	5.90357E-05	0.000104796	7.23391E-05	7.59743E-05	1.45941E-05	5.90357E-05	0.000110664
2983	7.43363E-05	7.83822E-05	2.2615E-05	5.95122E-05	0.000201552	7.34804E-05	7.69626E-05	1.81664E-05	5.95122E-05	0.00020152
2984	7.24015E-05	7.61851E-05	2.40337E-05	5.84656E-05	0.000203817	7.16408E-05	7.49112E-05	1.96911E-05	5.84656E-05	0.000203828
2985	7.29806E-05	7.67359E-05	2.49736E-05	5.86584E-05	0.000205782	7.2092E-05	7.53367E-05	2.05519E-05	5.86584E-05	0.000205943
2986	7.41167E-05	7.78666E-05	2.61795E-05	5.90048E-05	0.000206293	7.30005E-05	7.62302E-05	2.16971E-05	5.90048E-05	0.000206498
2987	7.50536E-05	7.88073E-05	2.70663E-05	5.86358E-05	0.000206444	7.35566E-05	7.67589E-05	2.26882E-05	5.86358E-05	0.000206665
2988	7.45022E-05	7.82672E-05	2.63718E-05	5.86186E-05	0.000192006	7.31671E-05	7.63879E-05	2.20061E-05	5.86186E-05	0.000193337
2989	7.56321E-05	7.94768E-05	2.64816E-05	6.00199E-05	0.000190368	7.4447E-05	7.77499E-05	2.19805E-05	6.00199E-05	0.000191589
2990	7.73719E-05	8.1403E-05	2.58399E-05	6.23405E-05	0.000184943	7.65088E-05	7.99902E-05	2.12072E-05	6.23405E-05	0.000185789
2991	8.29622E-05	8.73863E-05	2.64058E-05	6.76869E-05	0.000192412	8.23589E-05	8.61941E-05	2.14382E-05	6.76869E-05	0.000191671
2992	8.75308E-05	9.22093E-05	2.77224E-05	7.13453E-05	0.000185398	8.68804E-05	9.09325E-05	2.25149E-05	7.13453E-05	0.000184164
2993	9.01307E-05	9.49171E-05	2.89425E-05	7.3102E-05	0.000180328	8.93308E-05	9.34686E-05	2.36029E-05	7.3102E-05	0.000178731
2994	9.69437E-05	0.000101825	3.45448E-05	7.63969E-05	0.000177559	9.52314E-05	9.94131E-05	2.88066E-05	7.63969E-05	0.000175756
2995	0.000106415	0.000111303	4.3938E-05	7.96862E-05	0.000146358	0.000102961	0.000107069	3.76998E-05	7.96862E-05	0.000146591
2996	0.000108912	0.00011365	4.83364E-05	7.92439E-05	0.000115651	0.000104502	0.000108438	4.19805E-05	7.92439E-05	0.00011809
2997	0.000107777	0.000112467	4.78237E-05	7.60571E-05	9.72632E-05	0.000102674	0.000106515	4.16547E-05	7.60571E-05	0.000100529
2998	0.000100177	0.000104664	4.28123E-05	6.93691E-05	7.97064E-05	9.50897E-05	9.87357E-05	3.71754E-05	6.93691E-05	8.39874E-05
2999	8.67809E-05	9.08006E-05	3.53937E-05	6.08759E-05	7.70741E-05	8.26919E-05	8.59792E-05	3.04744E-05	6.08759E-05	8.11684E-05
3000	7.42294E-05	7.79461E-05	2.67161E-05	5.36209E-05	7.56546E-05	7.13775E-05	7.4451E-05	2.25572E-05	5.36209E-05	7.96457E-05
3001	6.30072E-05	6.64731E-05	1.87002E-05	4.76555E-05	7.7064E-05	6.14327E-05	6.43467E-05	1.51455E-05	4.76555E-05	8.1148E-05
3002	5.91215E-05	6.25575E-05	1.51966E-05	4.58996E-05	7.85066E-05	5.81206E-05	6.10313E-05	1.18854E-05	4.58996E-05	8.2682E-05
3003	5.93919E-05	6.29304E-05	1.41565E-05	4.73129E-05	8.34147E-05	5.88086E-05	6.18353E-05	1.07302E-05	4.73129E-05	8.79214E-05
3004	6.22739E-05	6.60189E-05	1.43991E-05	5.09895E-05	9.04382E-05	6.21061E-05	6.53479E-05	1.06108E-05	5.09895E-05	9.54283E-05
3005	6.73802E-05	7.13757E-05	1.63027E-05	5.56108E-05	9.81809E-05	6.7299E-05	7.07756E-05	1.20734E-05	5.56108E-05	0.000103711
3006	7.28209E-05	7.7025E-05	1.90767E-05	5.90357E-05	0.000104796	7.23391E-05	7.59743E-05	1.45941E-05	5.90357E-05	0.000110664
3007	7.43363E-05	7.83822E-05	2.2615E-05	5.95122E-05	0.000201552	7.34804E-05	7.69626E-05	1.81664E-05	5.95122E-05	0.00020152
3008	7.24015E-05	7.61851E-05	2.40337E-05	5.84656E-05	0.000203817	7.16408E-05	7.49112E-05	1.96911E-05	5.84656E-05	0.000203828
3009	7.29806E-05	7.67359E-05	2.49736E-05	5.86584E-05	0.000205782	7.2092E-05	7.53367E-05	2.05519E-05	5.86584E-05	0.000205943
3010	7.41167E-05	7.78666E-05	2.61795E-05	5.90048E-05	0.000206293	7.30005E-05	7.62302E-05	2.16971E-05	5.90048E-05	0.000206498
3011	7.50536E-05	7.88073E-05	2.70663E-05	5.86358E-05	0.000206444	7.35566E-05	7.67589E-05	2.26882E-05	5.86358E-05	0.000206665
3012	7.45022E-05	7.82672E-05	2.63718E-05	5.86186E-05	0.000192006	7.31671E-05	7.63879E-05	2.20061E-05	5.86186E-05	0.000193337
3013	7.56321E-05	7.94768E-05	2.64816E-05	6.00199E-05	0.000190368	7.4447E-05	7.77499E-05	2.19805E-05	6.00199E-05	0.000191589
3014	7.73719E-05	8.1403E-05	2.58399E-05	6.23405E-05	0.000184943	7.65088E-05	7.99902E-05	2.12072E-05	6.23405E-05	0.000185789
3015	8.29622E-05	8.73863E-05	2.64058E-05	6.76869E-05	0.000192412	8.23589E-05	8.61941E-05	2.14382E-05	6.76869E-05	0.000191671
3016	8.75308E-05	9.22093E-05	2.77224E-05	7.13453E-05	0.000185398	8.68804E-05	9.09325E-05	2.25149E-05	7.13453E-05	0.000184164
3017	9.01307E-05	9.49171E-05	2.89425E-05	7.3102E-05	0.000180328	8.93308E-05	9.34686E-05	2.36029E-05	7.3102E-05	0.000178731
3018	9.69437E-05	0.000101825	3.45448E-05	7.63969E-05	0.000177559	9.52314E-05	9.94131E-05	2.88066E-05	7.63969E-05	0.000175756
3019	0.000106415	0.000111303	4.3938E-05	7.96862E-05	0.000146358	0.000102961	0.000107069	3.76998E-05	7.96862E-05	0.000146591
3020	0.000108912	0.00011365	4.83364E-05	7.92439E-05	0.000115651	0.000104502	0.000108438	4.19805E-05	7.92439E-05	0.00011809
3021	0.000107777	0.000112467	4.78237E-05	7.60571E-05	9.72632E-05	0.000102674	0.000106515	4.16547E-05	7.60571E-05	0.000100529
3022	0.000100177	0.000104664	4.28123E-05	6.93691E-05	7.97064E-05	9.50897E-05	9.87357E-05	3.71754E-05	6.93691E-05	8.39874E-05
3023	8.67809E-05	9.08006E-05	3.53937E-05	6.08759E-05	7.70741E-05	8.26919E-05	8.59792E-05	3.04744E-05	6.08759E-05	8.11684E-05
3024	7.42294E-05	7.79461E-05	2.67161E-05	5.36209E-05	7.56546E-05	7.13775E-05	7.4451E-05	2.25572E-05	5.36209E-05	7.96457E-05
3025	6.30072E-05	6.64731E-05	1.87002E-05	4.76555E-05	7.7064E-05	6.14327E-05	6.43467E-05	1.51455E-05	4.76555E-05	8.1148E-05
3026	5.91215E-05	6.25575E-05	1.51966E-05	4.58996E-05	7.85066E-05	5.81206E-05	6.10313E-05	1.18854E-05	4.58996E-05	8.2682E-05
3027	5.93919E-05	6.29304E-05	1.41565E-05	4.73129E-05	8.34147E-05	5.88086E-05	6.18353E-05	1.07302E-05	4.73129E-05	8.79214E-05
3028	6.22739E-05	6.60189E-05	1.43991E-05	5.09895E-05	9.04382E-05	6.21061E-05	6.53479E-05	1.06108E-05	5.09895E-05	9.54283E-05
3029	6.73802E-05	7.13757E-05	1.63027E-05	5.56108E-05	9.81809E-05	6.7299E-05	7.07756E-05	1.20734E-05	5.56108E-05	0.000103711
3030	7.28209E-05	7.7025E-05	1.90767E-05	5.90357E-05	0.000104796	7.23391E-05	7.59743E-05	1.45941E-05	5.90357E-05	0.000110664
3031	7.43363E-05	7.83822E-05	2.2615E-05	5.95122E-05	0.000201552	7.34804E-05	7.69626E-05	1.81664E-05	5.95122E-05	0.00020152

3032	7.24015E-05	7.61851E-05	2.40337E-05	5.84656E-05	0.000203817	7.16408E-05	7.49112E-05	1.96911E-05	5.84656E-05	0.000203828
3033	7.29806E-05	7.67359E-05	2.49736E-05	5.86584E-05	0.000205782	7.2092E-05	7.53367E-05	2.05519E-05	5.86584E-05	0.000205943
3034	7.41167E-05	7.78666E-05	2.61795E-05	5.90048E-05	0.000206293	7.30005E-05	7.62302E-05	2.16971E-05	5.90048E-05	0.000206498
3035	7.50536E-05	7.88073E-05	2.70663E-05	5.86358E-05	0.000206444	7.35566E-05	7.67589E-05	2.26882E-05	5.86358E-05	0.000206665
3036	7.45022E-05	7.82672E-05	2.63718E-05	5.86186E-05	0.000192006	7.31671E-05	7.63879E-05	2.20061E-05	5.86186E-05	0.000193337
3037	7.56321E-05	7.94768E-05	2.64816E-05	6.00199E-05	0.000190368	7.4447E-05	7.77499E-05	2.19805E-05	6.00199E-05	0.000191589
3038	7.73719E-05	8.1403E-05	2.58399E-05	6.23405E-05	0.000184943	7.65088E-05	7.99902E-05	2.12072E-05	6.23405E-05	0.000185789
3039	8.29622E-05	8.73863E-05	2.64058E-05	6.76869E-05	0.000192412	8.23589E-05	8.61941E-05	2.14382E-05	6.76869E-05	0.000191671
3040	8.75308E-05	9.22093E-05	2.77224E-05	7.13453E-05	0.000185398	8.68804E-05	9.09325E-05	2.25149E-05	7.13453E-05	0.000184164
3041	9.01307E-05	9.49171E-05	2.89425E-05	7.3102E-05	0.000180328	8.93308E-05	9.34686E-05	2.36029E-05	7.3102E-05	0.000178731
3042	9.69437E-05	0.000101825	3.45448E-05	7.63969E-05	0.000177559	9.52314E-05	9.94131E-05	2.88066E-05	7.63969E-05	0.000175756
3043	0.000106415	0.000111303	4.3938E-05	7.96862E-05	0.000146358	0.000102961	0.000107069	3.76998E-05	7.96862E-05	0.000146591
3044	0.000108912	0.00011365	4.83364E-05	7.92439E-05	0.000115651	0.000104502	0.000108438	4.19805E-05	7.92439E-05	0.00011809
3045	0.000107777	0.000112467	4.78237E-05	7.60571E-05	9.72632E-05	0.000102674	0.000106515	4.16547E-05	7.60571E-05	0.000100529
3046	0.000100177	0.000104664	4.28123E-05	6.93691E-05	7.97064E-05	9.50897E-05	9.87357E-05	3.71754E-05	6.93691E-05	8.39874E-05
3047	8.67809E-05	9.08006E-05	3.53937E-05	6.08759E-05	7.70741E-05	8.26919E-05	8.59792E-05	3.04744E-05	6.08759E-05	8.11684E-05
3048	7.42294E-05	7.79461E-05	2.67161E-05	5.36209E-05	7.56546E-05	7.13775E-05	7.4451E-05	2.25572E-05	5.36209E-05	7.96457E-05
3049	6.34033E-05	6.68951E-05	1.87645E-05	4.80386E-05	7.64968E-05	6.18473E-05	6.4785E-05	1.51818E-05	4.80386E-05	8.05458E-05
3050	5.88667E-05	6.22855E-05	1.51622E-05	4.57101E-05	7.89153E-05	5.78708E-05	6.07676E-05	1.1856E-05	4.57101E-05	8.3118E-05
3051	5.94639E-05	6.30069E-05	1.41709E-05	4.74046E-05	8.3902E-05	5.88905E-05	6.19221E-05	1.07344E-05	4.74046E-05	8.84414E-05
3052	6.25742E-05	6.63388E-05	1.4449E-05	5.12893E-05	9.1017E-05	6.24232E-05	6.56833E-05	1.06374E-05	5.12893E-05	9.60459E-05
3053	6.75566E-05	7.1563E-05	1.63389E-05	5.5843E-05	9.90266E-05	6.75019E-05	7.09907E-05	1.20829E-05	5.5843E-05	0.000104615
3054	7.31096E-05	7.73321E-05	1.91304E-05	5.93709E-05	0.000105958	7.26579E-05	7.6312E-05	1.46145E-05	5.93709E-05	0.000111907
3055	7.61893E-05	8.03728E-05	2.27081E-05	5.99403E-05	0.000203086	7.50032E-05	7.85771E-05	1.8233E-05	5.99403E-05	0.000203161
3056	7.26514E-05	7.64516E-05	2.40692E-05	5.86661E-05	0.000205511	7.189E-05	7.51744E-05	1.97184E-05	5.86661E-05	0.00020564
3057	7.3162E-05	7.69298E-05	2.49952E-05	5.87696E-05	0.000207475	7.22628E-05	7.55167E-05	2.05754E-05	5.87696E-05	0.000207754
3058	7.41663E-05	7.79193E-05	2.61896E-05	5.90695E-05	0.000207967	7.30574E-05	7.62905E-05	2.16999E-05	5.90695E-05	0.000208289
3059	7.50112E-05	7.87623E-05	2.70583E-05	5.85862E-05	0.000208071	7.35097E-05	7.67093E-05	2.26852E-05	5.85862E-05	0.000208407
3060	7.42574E-05	7.80062E-05	2.63333E-05	5.83917E-05	0.000193569	7.29138E-05	7.61201E-05	2.19825E-05	5.83917E-05	0.000195011
3061	7.51722E-05	7.89865E-05	2.64109E-05	5.96067E-05	0.000191757	7.3975E-05	7.72511E-05	2.19349E-05	5.96067E-05	0.000193076
3062	7.71406E-05	8.11557E-05	2.58111E-05	6.21885E-05	0.00018613	7.6288E-05	7.97573E-05	2.11783E-05	6.21885E-05	0.000187063
3063	8.3267E-05	8.77107E-05	2.64595E-05	6.80164E-05	0.00019348	8.26882E-05	8.65426E-05	2.14624E-05	6.80164E-05	0.000192818
3064	8.87484E-05	9.35075E-05	2.7908E-05	7.24245E-05	0.000186508	8.81256E-05	9.22483E-05	2.26371E-05	7.24245E-05	0.000185355
3065	9.13888E-05	9.62583E-05	2.91375E-05	7.42431E-05	0.000181351	9.0625E-05	9.48365E-05	2.37263E-05	7.42431E-05	0.000179829
3066	9.81631E-05	0.000103125	3.47323E-05	7.74914E-05	0.000178493	9.64824E-05	0.000100735	2.89275E-05	7.74914E-05	0.000176756
3067	0.00010754	0.000112502	4.4109E-05	8.06796E-05	0.000147418	0.00010411	0.000108283	3.7813E-05	8.06796E-05	0.000147726
3068	0.000109983	0.000114793	4.85008E-05	8.0202E-05	0.000116651	0.0001056	0.000109599	4.20872E-05	8.0202E-05	0.000119161
3069	0.000107129	0.00011176	4.79212E-05	7.67536E-05	9.82446E-05	0.0001024	0.000106221	4.17029E-05	7.67536E-05	0.000101581
3070	0.000100915	0.000105451	4.29257E-05	7.00308E-05	8.06297E-05	9.58465E-05	9.95355E-05	3.72486E-05	7.00308E-05	8.49781E-05
3071	8.72342E-05	9.12838E-05	3.54651E-05	6.12964E-05	7.79166E-05	8.3161E-05	8.64751E-05	3.05179E-05	6.12964E-05	8.20729E-05
3072	7.46077E-05	7.83494E-05	2.67755E-05	5.39703E-05	7.64038E-05	7.17686E-05	7.48644E-05	2.25936E-05	5.39703E-05	8.04504E-05
3073	6.34033E-05	6.68951E-05	1.87645E-05	4.80386E-05	7.64968E-05	6.18473E-05	6.4785E-05	1.51818E-05	4.80386E-05	8.05458E-05
3074	5.88667E-05	6.22855E-05	1.51622E-05	4.57101E-05	7.89153E-05	5.78708E-05	6.07676E-05	1.1856E-05	4.57101E-05	8.3118E-05
3075	5.94639E-05	6.30069E-05	1.41709E-05	4.74046E-05	8.3902E-05	5.88905E-05	6.19221E-05	1.07344E-05	4.74046E-05	8.84414E-05
3076	6.25742E-05	6.63388E-05	1.4449E-05	5.12893E-05	9.1017E-05	6.24232E-05	6.56833E-05	1.06374E-05	5.12893E-05	9.60459E-05
3077	6.75566E-05	7.1563E-05	1.63389E-05	5.5843E-05	9.90266E-05	6.75019E-05	7.09907E-05	1.20829E-05	5.5843E-05	0.000104615
3078	7.31096E-05	7.73321E-05	1.91304E-05	5.93709E-05	0.000105958	7.26579E-05	7.6312E-05	1.46145E-05	5.93709E-05	0.000111907
3079	7.61893E-05	8.03728E-05	2.27081E-05	5.99403E-05	0.000203086	7.50032E-05	7.85771E-05	1.8233E-05	5.99403E-05	0.000203161
3080	7.26514E-05	7.64516E-05	2.40692E-05	5.86661E-05	0.000205511	7.189E-05	7.51744E-05	1.97184E-05	5.86661E-05	0.00020564
3081	7.3162E-05	7.69298E-05	2.49952E-05	5.87696E-05	0.000207475	7.22628E-05	7.55167E-05	2.05754E-05	5.87696E-05	0.000207754
3082	7.41663E-05	7.79193E-05	2.61896E-05	5.90695E-05	0.000207967	7.30574E-05	7.62905E-05	2.16999E-05	5.90695E-05	0.000208289
3083	7.50112E-05	7.87623E-05	2.70583E-05	5.85862E-05	0.000208071	7.35097E-05	7.67093E-05	2.26852E-05	5.85862E-05	0.000208407
3084	7.42574E-05	7.80062E-05	2.63333E-05	5.83917E-05	0.000193569	7.29138E-05	7.61201E-05	2.19825E-05	5.83917E-05	0.000195011
3085	7.51722E-05	7.89865E-05	2.64109E-05	5.96067E-05	0.000191757	7.3975E-05	7.72511E-05	2.19349E-05	5.96067E-05	0.000193076
3086	7.71406E-05	8.11557E-05	2.58111E-05	6.21885E-05	0.00018613	7.6288E-05	7.97573E-05	2.11783E-05	6.21885E-05	0.000187063
3087	8.3267E-05	8.77107E-05	2.64595E-05	6.80164E-05	0.00019348	8.26882E-05	8.65426E-05	2.14624E-05	6.80164E-05	0.000192818
3088	8.87484E-05	9.35075E-05	2.7908E-05	7.24245E-05	0.000186508	8.81256E-05	9.22483E-05	2.26371E-05	7.24245E-05	0.000185355
3089	9.13888E-05	9.62583E-05	2.91375E-05	7.42431E-05	0.000181351	9.0625E-05	9.48365E-05	2.37263E-05	7.42431E-05	0.000179829
3090	9.81631E-05	0.000103125	3.47323E-05	7.74914E-05	0.000178493	9.64824E-05	0.000100735	2.89275E-05	7.74914E-05	0.000176756
3091	0.00010754	0.000112502	4.4109E-05	8.06796E-05	0.000147418	0.00010411	0.000108283	3.7813E-05	8.06796E-05	0.000147726
3092	0.000109983	0.000114793	4.85008E-05	8.0202E-05	0.000116651	0.0001056	0.000109599	4.20872E-05	8.0202E-05	0.000119161
3093	0.000107129	0.00011176	4.79212E-05	7.67536E-05	9.82446E-05	0.0001024	0.000106221	4.17029E-05	7.67536E-05	0.000101581
3094	0.000100915	0.000105451	4.29257E-05	7.00308E-05	8.06297E-05	9.58465E-05	9.95355E-05	3.72486E-05	7.00308E-05	8.49781E-05
3095	8.72342E-05	9.12838E-05	3.54651E-05	6.12964E-05	7.79166E-05	8.3161E-05	8.64751E-05	3.05179E-05	6.12964E-05	8.20729E-05
3096	7.46077E-05	7.83494E-05	2.67755E-05	5.39703E-05	7.64038E-05	7.17686E-05	7.48644E-05	2.25936E-05	5.39703E-05	8.04504E-05
3097	6.30072E-05	6.64731E-05	1.87002E-05	4.76555E-05	7.7064E-05	6.14327E-05	6.43467E-05	1.51455E-05	4.76555E-05	8.1148E-05
3098	5.91215E-05	6.25575E-05	1.51966E-05	4.58996E-05	7.85066E-05	5.81206E-05	6.10313E-05	1.18854E-05	4.58996E-05	8.2682E-05
3099	5.93919E-05	6.29304E-05	1.41565E-05	4.73129E-05	8.34147E-05	5.88086E-05	6.18353E-05	1.07302E-05	4.73129E-05	8.79214E-05
3100	6.22739E-05	6.60189E-05	1.43991E-05	5.09895E-05	9.04382E-05	6.21061E-05	6.53479E-05	1.06108E-05	5.09895E-05	9.54283E-05
3101	6.73802E-05	7.13757E-05	1.63027E-05	5.56108E-05	9.81809E-05	6.7299E-05	7.07756E-05	1.20734E-05	5.56108E-05	0.000103711
3102	7.28209E-05	7.7025E-05	1.90767E-05	5.90357E-05	0.000104796	7.23391E-05	7.59743E-05	1.45941E-05	5.90357E-05	0.000110664
3103	7.43363E-05	7.83822E-05	2.2615E-05	5.95122E-05	0.000201552	7.34804E-05	7.69626E-05	1.81664E-05	5.95122E-05	0.00020152
3104	7.24015E-05	7.61851E-05	2.40337E-05	5.84656E-05	0.000203817	7.16408E-05	7.49112E-05	1.96911E-05	5.84656E-05	0.000203828
3105	7.29806E-05	7.67359E-05	2.49736E-05	5.86584E-05	0.000205782	7.2092E-05	7.53367E-05	2.05519E-05	5.86584E-05	0.000205943
3106	7.41167E-05	7.78666E-05	2.61795E-05	5.90048E-05	0.000206293	7.30005E-05	7.62302E-05	2.16971E-05	5.90048E-05	0.000206498
3107	7.50536E-05	7.88073E-05	2.70663E-05	5.86358E-05	0.000206444	7.35566E-05	7.67589E-05	2.26882E-05	5.86358E-05	0.000206665

3108	7.45022E-05	7.82672E-05	2.63718E-05	5.86186E-05	0.000192006	7.31671E-05	7.63879E-05	2.20061E-05	5.86186E-05	0.000193337
3109	7.56321E-05	7.94768E-05	2.64816E-05	6.00199E-05	0.000190368	7.4447E-05	7.77499E-05	2.19805E-05	6.00199E-05	0.000191589
3110	7.73719E-05	8.1403E-05	2.58399E-05	6.23405E-05	0.000184943	7.65088E-05	7.99902E-05	2.12072E-05	6.23405E-05	0.000185789
3111	8.29622E-05	8.73863E-05	2.64058E-05	6.76869E-05	0.000192412	8.23589E-05	8.61941E-05	2.14382E-05	6.76869E-05	0.000191671
3112	8.75308E-05	9.22093E-05	2.77224E-05	7.13453E-05	0.000185398	8.68804E-05	9.09325E-05	2.25149E-05	7.13453E-05	0.000184164
3113	9.01307E-05	9.49171E-05	2.89425E-05	7.3102E-05	0.000180328	8.93308E-05	9.34686E-05	2.36029E-05	7.3102E-05	0.000178731
3114	9.69437E-05	0.000101825	3.45448E-05	7.63969E-05	0.000177559	9.52314E-05	9.94131E-05	2.88066E-05	7.63969E-05	0.000175756
3115	0.000106415	0.000111303	4.3938E-05	7.96862E-05	0.000146358	0.000102961	0.000107069	3.76998E-05	7.96862E-05	0.000146591
3116	0.000108912	0.00011365	4.83364E-05	7.92439E-05	0.000115651	0.000104502	0.000108438	4.19805E-05	7.92439E-05	0.00011809
3117	0.000107777	0.000112467	4.78237E-05	7.60571E-05	9.72632E-05	0.000102674	0.000106515	4.16547E-05	7.60571E-05	0.000100529
3118	0.000100177	0.000104664	4.28123E-05	6.93691E-05	7.97064E-05	9.50897E-05	9.87357E-05	3.71754E-05	6.93691E-05	8.39874E-05
3119	8.67809E-05	9.08006E-05	3.53937E-05	6.08759E-05	7.70741E-05	8.26919E-05	8.59792E-05	3.04744E-05	6.08759E-05	8.11684E-05
3120	7.42294E-05	7.79461E-05	2.67161E-05	5.36209E-05	7.56546E-05	7.13775E-05	7.4451E-05	2.25572E-05	5.36209E-05	7.96457E-05
3121	6.30072E-05	6.64731E-05	1.87002E-05	4.76555E-05	7.7064E-05	6.14327E-05	6.43467E-05	1.51455E-05	4.76555E-05	8.1148E-05
3122	5.91215E-05	6.25575E-05	1.51966E-05	4.58996E-05	7.85066E-05	5.81206E-05	6.10313E-05	1.18854E-05	4.58996E-05	8.2682E-05
3123	5.93919E-05	6.29304E-05	1.41565E-05	4.73129E-05	8.34147E-05	5.88086E-05	6.18353E-05	1.07302E-05	4.73129E-05	8.79214E-05
3124	6.22739E-05	6.60189E-05	1.43991E-05	5.09895E-05	9.04382E-05	6.21061E-05	6.53479E-05	1.06108E-05	5.09895E-05	9.54283E-05
3125	6.73802E-05	7.13757E-05	1.63027E-05	5.56108E-05	9.81809E-05	6.7299E-05	7.07756E-05	1.20734E-05	5.56108E-05	0.000103711
3126	7.28209E-05	7.7025E-05	1.90767E-05	5.90357E-05	0.000104796	7.23391E-05	7.59743E-05	1.45941E-05	5.90357E-05	0.000110664
3127	7.43363E-05	7.83822E-05	2.2615E-05	5.95122E-05	0.000201552	7.34804E-05	7.69626E-05	1.81664E-05	5.95122E-05	0.00020152
3128	7.24015E-05	7.61851E-05	2.40337E-05	5.84656E-05	0.000203817	7.16408E-05	7.49112E-05	1.96911E-05	5.84656E-05	0.000203828
3129	7.29806E-05	7.67359E-05	2.49736E-05	5.86584E-05	0.000205782	7.2092E-05	7.53367E-05	2.05519E-05	5.86584E-05	0.000205943
3130	7.41167E-05	7.78666E-05	2.61795E-05	5.90048E-05	0.000206293	7.30005E-05	7.62302E-05	2.16971E-05	5.90048E-05	0.000206498
3131	7.50536E-05	7.88073E-05	2.70663E-05	5.86358E-05	0.000206444	7.35566E-05	7.67589E-05	2.26882E-05	5.86358E-05	0.000206665
3132	7.45022E-05	7.82672E-05	2.63718E-05	5.86186E-05	0.000192006	7.31671E-05	7.63879E-05	2.20061E-05	5.86186E-05	0.000193337
3133	7.56321E-05	7.94768E-05	2.64816E-05	6.00199E-05	0.000190368	7.4447E-05	7.77499E-05	2.19805E-05	6.00199E-05	0.000191589
3134	7.73719E-05	8.1403E-05	2.58399E-05	6.23405E-05	0.000184943	7.65088E-05	7.99902E-05	2.12072E-05	6.23405E-05	0.000185789
3135	8.29622E-05	8.73863E-05	2.64058E-05	6.76869E-05	0.000192412	8.23589E-05	8.61941E-05	2.14382E-05	6.76869E-05	0.000191671
3136	8.75308E-05	9.22093E-05	2.77224E-05	7.13453E-05	0.000185398	8.68804E-05	9.09325E-05	2.25149E-05	7.13453E-05	0.000184164
3137	9.01307E-05	9.49171E-05	2.89425E-05	7.3102E-05	0.000180328	8.93308E-05	9.34686E-05	2.36029E-05	7.3102E-05	0.000178731
3138	9.69437E-05	0.000101825	3.45448E-05	7.63969E-05	0.000177559	9.52314E-05	9.94131E-05	2.88066E-05	7.63969E-05	0.000175756
3139	0.000106415	0.000111303	4.3938E-05	7.96862E-05	0.000146358	0.000102961	0.000107069	3.76998E-05	7.96862E-05	0.000146591
3140	0.000108912	0.00011365	4.83364E-05	7.92439E-05	0.000115651	0.000104502	0.000108438	4.19805E-05	7.92439E-05	0.00011809
3141	0.000107777	0.000112467	4.78237E-05	7.60571E-05	9.72632E-05	0.000102674	0.000106515	4.16547E-05	7.60571E-05	0.000100529
3142	0.000100177	0.000104664	4.28123E-05	6.93691E-05	7.97064E-05	9.50897E-05	9.87357E-05	3.71754E-05	6.93691E-05	8.39874E-05
3143	8.67809E-05	9.08006E-05	3.53937E-05	6.08759E-05	7.70741E-05	8.26919E-05	8.59792E-05	3.04744E-05	6.08759E-05	8.11684E-05
3144	7.42294E-05	7.79461E-05	2.67161E-05	5.36209E-05	7.56546E-05	7.13775E-05	7.4451E-05	2.25572E-05	5.36209E-05	7.96457E-05
3145	6.30072E-05	6.64731E-05	1.87002E-05	4.76555E-05	7.7064E-05	6.14327E-05	6.43467E-05	1.51455E-05	4.76555E-05	8.1148E-05
3146	5.91215E-05	6.25575E-05	1.51966E-05	4.58996E-05	7.85066E-05	5.81206E-05	6.10313E-05	1.18854E-05	4.58996E-05	8.2682E-05
3147	5.93919E-05	6.29304E-05	1.41565E-05	4.73129E-05	8.34147E-05	5.88086E-05	6.18353E-05	1.07302E-05	4.73129E-05	8.79214E-05
3148	6.22739E-05	6.60189E-05	1.43991E-05	5.09895E-05	9.04382E-05	6.21061E-05	6.53479E-05	1.06108E-05	5.09895E-05	9.54283E-05
3149	6.73802E-05	7.13757E-05	1.63027E-05	5.56108E-05	9.81809E-05	6.7299E-05	7.07756E-05	1.20734E-05	5.56108E-05	0.000103711
3150	7.28209E-05	7.7025E-05	1.90767E-05	5.90357E-05	0.000104796	7.23391E-05	7.59743E-05	1.45941E-05	5.90357E-05	0.000110664
3151	7.43363E-05	7.83822E-05	2.2615E-05	5.95122E-05	0.000201552	7.34804E-05	7.69626E-05	1.81664E-05	5.95122E-05	0.00020152
3152	7.24015E-05	7.61851E-05	2.40337E-05	5.84656E-05	0.000203817	7.16408E-05	7.49112E-05	1.96911E-05	5.84656E-05	0.000203828
3153	7.29806E-05	7.67359E-05	2.49736E-05	5.86584E-05	0.000205782	7.2092E-05	7.53367E-05	2.05519E-05	5.86584E-05	0.000205943
3154	7.41167E-05	7.78666E-05	2.61795E-05	5.90048E-05	0.000206293	7.30005E-05	7.62302E-05	2.16971E-05	5.90048E-05	0.000206498
3155	7.50536E-05	7.88073E-05	2.70663E-05	5.86358E-05	0.000206444	7.35566E-05	7.67589E-05	2.26882E-05	5.86358E-05	0.000206665
3156	7.45022E-05	7.82672E-05	2.63718E-05	5.86186E-05	0.000192006	7.31671E-05	7.63879E-05	2.20061E-05	5.86186E-05	0.000193337
3157	7.56321E-05	7.94768E-05	2.64816E-05	6.00199E-05	0.000190368	7.4447E-05	7.77499E-05	2.19805E-05	6.00199E-05	0.000191589
3158	7.73719E-05	8.1403E-05	2.58399E-05	6.23405E-05	0.000184943	7.65088E-05	7.99902E-05	2.12072E-05	6.23405E-05	0.000185789
3159	8.29622E-05	8.73863E-05	2.64058E-05	6.76869E-05	0.000192412	8.23589E-05	8.61941E-05	2.14382E-05	6.76869E-05	0.000191671
3160	8.75308E-05	9.22093E-05	2.77224E-05	7.13453E-05	0.000185398	8.68804E-05	9.09325E-05	2.25149E-05	7.13453E-05	0.000184164
3161	9.01307E-05	9.49171E-05	2.89425E-05	7.3102E-05	0.000180328	8.93308E-05	9.34686E-05	2.36029E-05	7.3102E-05	0.000178731
3162	9.69437E-05	0.000101825	3.45448E-05	7.63969E-05	0.000177559	9.52314E-05	9.94131E-05	2.88066E-05	7.63969E-05	0.000175756
3163	0.000106415	0.000111303	4.3938E-05	7.96862E-05	0.000146358	0.000102961	0.000107069	3.76998E-05	7.96862E-05	0.000146591
3164	0.000108912	0.00011365	4.83364E-05	7.92439E-05	0.000115651	0.000104502	0.000108438	4.19805E-05	7.92439E-05	0.00011809
3165	0.000107777	0.000112467	4.78237E-05	7.60571E-05	9.72632E-05	0.000102674	0.000106515	4.16547E-05	7.60571E-05	0.000100529
3166	0.000100177	0.000104664	4.28123E-05	6.93691E-05	7.97064E-05	9.50897E-05	9.87357E-05	3.71754E-05	6.93691E-05	8.39874E-05
3167	8.67809E-05	9.08006E-05	3.53937E-05	6.08759E-05	7.70741E-05	8.26919E-05	8.59792E-05	3.04744E-05	6.08759E-05	8.11684E-05
3168	7.42294E-05	7.79461E-05	2.67161E-05	5.36209E-05	7.56546E-05	7.13775E-05	7.4451E-05	2.25572E-05	5.36209E-05	7.96457E-05
3169	6.30072E-05	6.64731E-05	1.87002E-05	4.76555E-05	7.7064E-05	6.14327E-05	6.43467E-05	1.51455E-05	4.76555E-05	8.1148E-05
3170	5.91215E-05	6.25575E-05	1.51966E-05	4.58996E-05	7.85066E-05	5.81206E-05	6.10313E-05	1.18854E-05	4.58996E-05	8.2682E-05
3171	5.93919E-05	6.29304E-05	1.41565E-05	4.73129E-05	8.34147E-05	5.88086E-05	6.18353E-05	1.07302E-05	4.73129E-05	8.79214E-05
3172	6.22739E-05	6.60189E-05	1.43991E-05	5.09895E-05	9.04382E-05	6.21061E-05	6.53479E-05	1.06108E-05	5.09895E-05	9.54283E-05
3173	6.73802E-05	7.13757E-05	1.63027E-05	5.56108E-05	9.81809E-05	6.7299E-05	7.07756E-05	1.20734E-05	5.56108E-05	0.000103711
3174	7.28209E-05	7.7025E-05	1.90767E-05	5.90357E-05	0.000104796	7.23391E-05	7.59743E-05	1.45941E-05	5.90357E-05	0.000110664
3175	7.43363E-05	7.83822E-05	2.2615E-05	5.95122E-05	0.000201552	7.34804E-05	7.69626E-05	1.81664E-05	5.95122E-05	0.00020152
3176	7.24015E-05	7.61851E-05	2.40337E-05	5.84656E-05	0.000203817	7.16408E-05	7.49112E-05	1.96911E-05	5.84656E-05	0.000203828
3177	7.29806E-05	7.67359E-05	2.49736E-05	5.86584E-05	0.000205782	7.2092E-05	7.53367E-05	2.05519E-05	5.86584E-05	0.000205943
3178	7.41167E-05	7.78666E-05	2.61795E-05	5.90048E-05	0.000206293	7.30005E-05	7.62302E-05	2.16971E-05	5.90048E-05	0.000206498
3179	7.50536E-05	7.88073E-05	2.70663E-05	5.86358E-05	0.000206444	7.35566E-05	7.67589E-05	2.26882E-05	5.86358E-05	0.000206665
3180	7.45022E-05	7.82672E-05	2.63718E-05	5.86186E-05	0.000192006	7.31671E-05	7.63879E-05	2.20061E-05	5.86186E-05	0.000193337
3181	7.56321E-05	7.94768E-05	2.64816E-05	6.00199E-05	0.000190368	7.4447E-05	7.77499E-05	2.19805E-05	6.00199E-05	0.000191589
3182	7.73719E-05	8.1403E-05	2.58399E-05	6.23405E-05	0.000184943	7.65088E-05	7.99902E-05	2.12072E-05	6.23405E-05	0.000185789
3183	8.29622E-05	8.73863E-05	2.64058E-05	6.76869E-05	0.000192412	8.23589E-05	8.61941E-05	2.14382E-05	6.76869E-05	0.000191671

3184	8.75308E-05	9.22093E-05	2.77224E-05	7.13453E-05	0.000185398	8.68804E-05	9.09325E-05	2.25149E-05	7.13453E-05	0.000184164
3185	9.01307E-05	9.49171E-05	2.89425E-05	7.3102E-05	0.000180328	8.93308E-05	9.34686E-05	2.36029E-05	7.3102E-05	0.000178731
3186	9.69437E-05	0.000101825	3.45448E-05	7.63969E-05	0.000177559	9.52314E-05	9.94131E-05	2.88066E-05	7.63969E-05	0.000175756
3187	0.000106415	0.000111303	4.3938E-05	7.96862E-05	0.000146358	0.000102961	0.000107069	3.76998E-05	7.96862E-05	0.000146591
3188	0.000108912	0.00011365	4.83364E-05	7.92439E-05	0.000115651	0.000104502	0.000108438	4.19805E-05	7.92439E-05	0.00011809
3189	0.000107777	0.000112467	4.78237E-05	7.60571E-05	9.72632E-05	0.000102674	0.000106515	4.16547E-05	7.60571E-05	0.000100529
3190	0.000100177	0.000104664	4.28123E-05	6.93691E-05	7.97064E-05	9.50897E-05	9.87357E-05	3.71754E-05	6.93691E-05	8.39874E-05
3191	8.67809E-05	9.08006E-05	3.53937E-05	6.08759E-05	7.70741E-05	8.26919E-05	8.59792E-05	3.04744E-05	6.08759E-05	8.11684E-05
3192	7.42294E-05	7.79461E-05	2.67161E-05	5.36209E-05	7.56546E-05	7.13775E-05	7.4451E-05	2.25572E-05	5.36209E-05	7.96457E-05
3193	6.30072E-05	6.64731E-05	1.87002E-05	4.76555E-05	7.7064E-05	6.14327E-05	6.43467E-05	1.51455E-05	4.76555E-05	8.1148E-05
3194	5.91215E-05	6.25575E-05	1.51966E-05	4.58996E-05	7.85066E-05	5.81206E-05	6.10313E-05	1.18854E-05	4.58996E-05	8.2682E-05
3195	5.93919E-05	6.29304E-05	1.41565E-05	4.73129E-05	8.34147E-05	5.88086E-05	6.18353E-05	1.07302E-05	4.73129E-05	8.79214E-05
3196	6.22739E-05	6.60189E-05	1.43991E-05	5.09895E-05	9.04382E-05	6.21061E-05	6.53479E-05	1.06108E-05	5.09895E-05	9.54283E-05
3197	6.73802E-05	7.13757E-05	1.63027E-05	5.56108E-05	9.81809E-05	6.7299E-05	7.07756E-05	1.20734E-05	5.56108E-05	0.000103711
3198	7.28209E-05	7.7025E-05	1.90767E-05	5.90357E-05	0.000104796	7.23391E-05	7.59743E-05	1.45941E-05	5.90357E-05	0.000110664
3199	7.43363E-05	7.83822E-05	2.2615E-05	5.95122E-05	0.000201552	7.34804E-05	7.69626E-05	1.81664E-05	5.95122E-05	0.00020152
3200	7.24015E-05	7.61851E-05	2.40337E-05	5.84656E-05	0.000203817	7.16408E-05	7.49112E-05	1.96911E-05	5.84656E-05	0.000203828
3201	7.29806E-05	7.67359E-05	2.49736E-05	5.86584E-05	0.000205782	7.2092E-05	7.53367E-05	2.05519E-05	5.86584E-05	0.000205943
3202	7.41167E-05	7.78666E-05	2.61795E-05	5.90048E-05	0.000206293	7.30005E-05	7.62302E-05	2.16971E-05	5.90048E-05	0.000206498
3203	7.50536E-05	7.88073E-05	2.70663E-05	5.86358E-05	0.000206444	7.35566E-05	7.67589E-05	2.26882E-05	5.86358E-05	0.000206665
3204	7.45022E-05	7.82672E-05	2.63718E-05	5.86186E-05	0.000192006	7.31671E-05	7.63879E-05	2.20061E-05	5.86186E-05	0.000193337
3205	7.56321E-05	7.94768E-05	2.64816E-05	6.00199E-05	0.000190368	7.4447E-05	7.77499E-05	2.19805E-05	6.00199E-05	0.000191589
3206	7.73719E-05	8.1403E-05	2.58399E-05	6.23405E-05	0.000184943	7.65088E-05	7.99902E-05	2.12072E-05	6.23405E-05	0.000185789
3207	8.29622E-05	8.73863E-05	2.64058E-05	6.76869E-05	0.000192412	8.23589E-05	8.61941E-05	2.14382E-05	6.76869E-05	0.000191671
3208	8.75308E-05	9.22093E-05	2.77224E-05	7.13453E-05	0.000185398	8.68804E-05	9.09325E-05	2.25149E-05	7.13453E-05	0.000184164
3209	9.01307E-05	9.49171E-05	2.89425E-05	7.3102E-05	0.000180328	8.93308E-05	9.34686E-05	2.36029E-05	7.3102E-05	0.000178731
3210	9.69437E-05	0.000101825	3.45448E-05	7.63969E-05	0.000177559	9.52314E-05	9.94131E-05	2.88066E-05	7.63969E-05	0.000175756
3211	0.000106415	0.000111303	4.3938E-05	7.96862E-05	0.000146358	0.000102961	0.000107069	3.76998E-05	7.96862E-05	0.000146591
3212	0.000108912	0.00011365	4.83364E-05	7.92439E-05	0.000115651	0.000104502	0.000108438	4.19805E-05	7.92439E-05	0.00011809
3213	0.000107777	0.000112467	4.78237E-05	7.60571E-05	9.72632E-05	0.000102674	0.000106515	4.16547E-05	7.60571E-05	0.000100529
3214	0.000100177	0.000104664	4.28123E-05	6.93691E-05	7.97064E-05	9.50897E-05	9.87357E-05	3.71754E-05	6.93691E-05	8.39874E-05
3215	8.67809E-05	9.08006E-05	3.53937E-05	6.08759E-05	7.70741E-05	8.26919E-05	8.59792E-05	3.04744E-05	6.08759E-05	8.11684E-05
3216	7.42294E-05	7.79461E-05	2.67161E-05	5.36209E-05	7.56546E-05	7.13775E-05	7.4451E-05	2.25572E-05	5.36209E-05	7.96457E-05
3217	6.34033E-05	6.68951E-05	1.87645E-05	4.80386E-05	7.64968E-05	6.18473E-05	6.4785E-05	1.51818E-05	4.80386E-05	8.05458E-05
3218	5.88667E-05	6.22855E-05	1.51622E-05	4.57101E-05	7.89153E-05	5.78708E-05	6.07676E-05	1.1856E-05	4.57101E-05	8.3118E-05
3219	5.94639E-05	6.30069E-05	1.41709E-05	4.74046E-05	8.3902E-05	5.88905E-05	6.19221E-05	1.07344E-05	4.74046E-05	8.84414E-05
3220	6.25742E-05	6.63388E-05	1.4449E-05	5.12893E-05	9.1017E-05	6.24232E-05	6.56833E-05	1.06374E-05	5.12893E-05	9.60459E-05
3221	6.75566E-05	7.1563E-05	1.63389E-05	5.5843E-05	9.90266E-05	6.75019E-05	7.09907E-05	1.20829E-05	5.5843E-05	0.000104615
3222	7.31096E-05	7.73321E-05	1.91304E-05	5.93709E-05	0.000105958	7.26579E-05	7.6312E-05	1.46145E-05	5.93709E-05	0.000111907
3223	7.61893E-05	8.03728E-05	2.27081E-05	5.99403E-05	0.000203086	7.50032E-05	7.85771E-05	1.8233E-05	5.99403E-05	0.000203161
3224	7.26514E-05	7.64516E-05	2.40692E-05	5.86661E-05	0.000205511	7.189E-05	7.51744E-05	1.97184E-05	5.86661E-05	0.00020564
3225	7.3162E-05	7.69298E-05	2.49952E-05	5.87696E-05	0.000207475	7.22628E-05	7.55167E-05	2.05754E-05	5.87696E-05	0.000207754
3226	7.41663E-05	7.79193E-05	2.61896E-05	5.90695E-05	0.000207967	7.30574E-05	7.62905E-05	2.16999E-05	5.90695E-05	0.000208289
3227	7.50112E-05	7.87623E-05	2.70583E-05	5.85862E-05	0.000208071	7.35097E-05	7.67093E-05	2.26852E-05	5.85862E-05	0.000208407
3228	7.42574E-05	7.80062E-05	2.63333E-05	5.83917E-05	0.000193569	7.29138E-05	7.61201E-05	2.19825E-05	5.83917E-05	0.000195011
3229	7.51722E-05	7.89865E-05	2.64109E-05	5.96067E-05	0.000191757	7.3975E-05	7.72511E-05	2.19349E-05	5.96067E-05	0.000193076
3230	7.71406E-05	8.11557E-05	2.58111E-05	6.21885E-05	0.00018613	7.6288E-05	7.97573E-05	2.11783E-05	6.21885E-05	0.000187063
3231	8.3267E-05	8.77107E-05	2.64595E-05	6.80164E-05	0.00019348	8.26882E-05	8.65426E-05	2.14624E-05	6.80164E-05	0.000192818
3232	8.87484E-05	9.35075E-05	2.7908E-05	7.24245E-05	0.000186508	8.81256E-05	9.22483E-05	2.26371E-05	7.24245E-05	0.000185355
3233	9.13888E-05	9.62583E-05	2.91375E-05	7.42431E-05	0.000181351	9.0625E-05	9.48365E-05	2.37263E-05	7.42431E-05	0.000179829
3234	9.81631E-05	0.000103125	3.47323E-05	7.74914E-05	0.000178493	9.64824E-05	0.000100735	2.89275E-05	7.74914E-05	0.000176756
3235	0.00010754	0.000112502	4.4109E-05	8.06796E-05	0.000147418	0.00010411	0.000108283	3.7813E-05	8.06796E-05	0.000147726
3236	0.000109983	0.000114793	4.85008E-05	8.0202E-05	0.000116651	0.0001056	0.000109599	4.20872E-05	8.0202E-05	0.000119161
3237	0.000107129	0.00011176	4.79212E-05	7.67536E-05	9.82446E-05	0.0001024	0.000106221	4.17029E-05	7.67536E-05	0.000101581
3238	0.000100915	0.000105451	4.29257E-05	7.00308E-05	8.06297E-05	9.58465E-05	9.95355E-05	3.72486E-05	7.00308E-05	8.49781E-05
3239	8.72342E-05	9.12838E-05	3.54651E-05	6.12964E-05	7.79166E-05	8.3161E-05	8.64751E-05	3.05179E-05	6.12964E-05	8.20729E-05
3240	7.46077E-05	7.83494E-05	2.67755E-05	5.39703E-05	7.64038E-05	7.17686E-05	7.48644E-05	2.25936E-05	5.39703E-05	8.04504E-05
3241	6.34033E-05	6.68951E-05	1.87645E-05	4.80386E-05	7.64968E-05	6.18473E-05	6.4785E-05	1.51818E-05	4.80386E-05	8.05458E-05
3242	5.88667E-05	6.22855E-05	1.51622E-05	4.57101E-05	7.89153E-05	5.78708E-05	6.07676E-05	1.1856E-05	4.57101E-05	8.3118E-05
3243	5.94639E-05	6.30069E-05	1.41709E-05	4.74046E-05	8.3902E-05	5.88905E-05	6.19221E-05	1.07344E-05	4.74046E-05	8.84414E-05
3244	6.25742E-05	6.63388E-05	1.4449E-05	5.12893E-05	9.1017E-05	6.24232E-05	6.56833E-05	1.06374E-05	5.12893E-05	9.60459E-05
3245	6.75566E-05	7.1563E-05	1.63389E-05	5.5843E-05	9.90266E-05	6.75019E-05	7.09907E-05	1.20829E-05	5.5843E-05	0.000104615
3246	7.31096E-05	7.73321E-05	1.91304E-05	5.93709E-05	0.000105958	7.26579E-05	7.6312E-05	1.46145E-05	5.93709E-05	0.000111907
3247	7.61893E-05	8.03728E-05	2.27081E-05	5.99403E-05	0.000203086	7.50032E-05	7.85771E-05	1.8233E-05	5.99403E-05	0.000203161
3248	7.26514E-05	7.64516E-05	2.40692E-05	5.86661E-05	0.000205511	7.189E-05	7.51744E-05	1.97184E-05	5.86661E-05	0.00020564
3249	7.3162E-05	7.69298E-05	2.49952E-05	5.87696E-05	0.000207475	7.22628E-05	7.55167E-05	2.05754E-05	5.87696E-05	0.000207754
3250	7.41663E-05	7.79193E-05	2.61896E-05	5.90695E-05	0.000207967	7.30574E-05	7.62905E-05	2.16999E-05	5.90695E-05	0.000208289
3251	7.50112E-05	7.87623E-05	2.70583E-05	5.85862E-05	0.000208071	7.35097E-05	7.67093E-05	2.26852E-05	5.85862E-05	0.000208407
3252	7.42574E-05	7.80062E-05	2.63333E-05	5.83917E-05	0.000193569	7.29138E-05	7.61201E-05	2.19825E-05	5.83917E-05	0.000195011
3253	7.51722E-05	7.89865E-05	2.64109E-05	5.96067E-05	0.000191757	7.3975E-05	7.72511E-05	2.19349E-05	5.96067E-05	0.000193076
3254	7.71406E-05	8.11557E-05	2.58111E-05	6.21885E-05	0.00018613	7.6288E-05	7.97573E-05	2.11783E-05	6.21885E-05	0.000187063
3255	8.3267E-05	8.77107E-05	2.64595E-05	6.80164E-05	0.00019348	8.26882E-05	8.65426E-05	2.14624E-05	6.80164E-05	0.000192818
3256	8.87484E-05	9.35075E-05	2.7908E-05	7.24245E-05	0.000186508	8.81256E-05	9.22483E-05	2.26371E-05	7.24245E-05	0.000185355
3257	9.13888E-05	9.62583E-05	2.91375E-05	7.42431E-05	0.000181351	9.0625E-05	9.48365E-05	2.37263E-05	7.42431E-05	0.000179829
3258	9.81631E-05	0.000103125	3.47323E-05	7.74914E-05	0.000178493	9.64824E-05	0.000100735	2.89275E-05	7.74914E-05	0.000176756
3259	0.00010754	0.000112502	4.4109E-05	8.06796E-05	0.000147418	0.00010411	0.000108283	3.7813E-05	8.06796E-05	0.000147726

3260	0.000109983	0.000114793	4.85008E-05	8.0202E-05	0.000116651	0.0001056	0.000109599	4.20872E-05	8.0202E-05	0.000119161
3261	0.000107129	0.00011176	4.79212E-05	7.67536E-05	9.82446E-05	0.0001024	0.000106221	4.17029E-05	7.67536E-05	0.000101581
3262	0.000100915	0.000105451	4.29257E-05	7.00308E-05	8.06297E-05	9.58465E-05	9.95355E-05	3.72486E-05	7.00308E-05	8.49781E-05
3263	8.72342E-05	9.12838E-05	3.54651E-05	6.12964E-05	7.79166E-05	8.3161E-05	8.64751E-05	3.05179E-05	6.12964E-05	8.20729E-05
3264	7.46077E-05	7.83494E-05	2.67755E-05	5.39703E-05	7.64038E-05	7.17686E-05	7.48644E-05	2.25936E-05	5.39703E-05	8.04504E-05
3265	6.30072E-05	6.64731E-05	1.87002E-05	4.76555E-05	7.7064E-05	6.14327E-05	6.43467E-05	1.51455E-05	4.76555E-05	8.1148E-05
3266	5.91215E-05	6.25575E-05	1.51966E-05	4.58996E-05	7.85066E-05	5.81206E-05	6.10313E-05	1.18854E-05	4.58996E-05	8.2682E-05
3267	5.93919E-05	6.29304E-05	1.41565E-05	4.73129E-05	8.34147E-05	5.88086E-05	6.18353E-05	1.07302E-05	4.73129E-05	8.79214E-05
3268	6.22739E-05	6.60189E-05	1.43991E-05	5.09895E-05	9.04382E-05	6.21061E-05	6.53479E-05	1.06108E-05	5.09895E-05	9.54283E-05
3269	6.73802E-05	7.13757E-05	1.63027E-05	5.56108E-05	9.81809E-05	6.7299E-05	7.07756E-05	1.20734E-05	5.56108E-05	0.000103711
3270	7.28209E-05	7.7025E-05	1.90767E-05	5.90357E-05	0.000104796	7.23391E-05	7.59743E-05	1.45941E-05	5.90357E-05	0.000110664
3271	7.43363E-05	7.83822E-05	2.2615E-05	5.95122E-05	0.000201552	7.34804E-05	7.69626E-05	1.81664E-05	5.95122E-05	0.00020152
3272	7.24015E-05	7.61851E-05	2.40337E-05	5.84656E-05	0.000203817	7.16408E-05	7.49112E-05	1.96911E-05	5.84656E-05	0.000203828
3273	7.29806E-05	7.67359E-05	2.49736E-05	5.86584E-05	0.000205782	7.2092E-05	7.53367E-05	2.05519E-05	5.86584E-05	0.000205943
3274	7.41167E-05	7.78666E-05	2.61795E-05	5.90048E-05	0.000206293	7.30005E-05	7.62302E-05	2.16971E-05	5.90048E-05	0.000206498
3275	7.50536E-05	7.88073E-05	2.70663E-05	5.86358E-05	0.000206444	7.35566E-05	7.67589E-05	2.26882E-05	5.86358E-05	0.000206665
3276	7.45022E-05	7.82672E-05	2.63718E-05	5.86186E-05	0.000192006	7.31671E-05	7.63879E-05	2.20061E-05	5.86186E-05	0.000193337
3277	7.56321E-05	7.94768E-05	2.64816E-05	6.00199E-05	0.000190368	7.4447E-05	7.77499E-05	2.19805E-05	6.00199E-05	0.000191589
3278	7.73719E-05	8.1403E-05	2.58399E-05	6.23405E-05	0.000184943	7.65088E-05	7.99902E-05	2.12072E-05	6.23405E-05	0.000185789
3279	8.29622E-05	8.73863E-05	2.64058E-05	6.76869E-05	0.000192412	8.23589E-05	8.61941E-05	2.14382E-05	6.76869E-05	0.000191671
3280	8.75308E-05	9.22093E-05	2.77224E-05	7.13453E-05	0.000185398	8.68804E-05	9.09325E-05	2.25149E-05	7.13453E-05	0.000184164
3281	9.01307E-05	9.49171E-05	2.89425E-05	7.3102E-05	0.000180328	8.93308E-05	9.34686E-05	2.36029E-05	7.3102E-05	0.000178731
3282	9.69437E-05	0.000101825	3.45448E-05	7.63969E-05	0.000177559	9.52314E-05	9.94131E-05	2.88066E-05	7.63969E-05	0.000175756
3283	0.000106415	0.000111303	4.3938E-05	7.96862E-05	0.000146358	0.000102961	0.000107069	3.76998E-05	7.96862E-05	0.000146591
3284	0.000108912	0.00011365	4.83364E-05	7.92439E-05	0.000115651	0.000104502	0.000108438	4.19805E-05	7.92439E-05	0.00011809
3285	0.000107777	0.000112467	4.78237E-05	7.60571E-05	9.72632E-05	0.000102674	0.000106515	4.16547E-05	7.60571E-05	0.000100529
3286	0.000100177	0.000104664	4.28123E-05	6.93691E-05	7.97064E-05	9.50897E-05	9.87357E-05	3.71754E-05	6.93691E-05	8.39874E-05
3287	8.67809E-05	9.08006E-05	3.53937E-05	6.08759E-05	7.70741E-05	8.26919E-05	8.59792E-05	3.04744E-05	6.08759E-05	8.11684E-05
3288	7.42294E-05	7.79461E-05	2.67161E-05	5.36209E-05	7.56546E-05	7.13775E-05	7.4451E-05	2.25572E-05	5.36209E-05	7.96457E-05
3289	6.30072E-05	6.64731E-05	1.87002E-05	4.76555E-05	7.7064E-05	6.14327E-05	6.43467E-05	1.51455E-05	4.76555E-05	8.1148E-05
3290	5.91215E-05	6.25575E-05	1.51966E-05	4.58996E-05	7.85066E-05	5.81206E-05	6.10313E-05	1.18854E-05	4.58996E-05	8.2682E-05
3291	5.93919E-05	6.29304E-05	1.41565E-05	4.73129E-05	8.34147E-05	5.88086E-05	6.18353E-05	1.07302E-05	4.73129E-05	8.79214E-05
3292	6.22739E-05	6.60189E-05	1.43991E-05	5.09895E-05	9.04382E-05	6.21061E-05	6.53479E-05	1.06108E-05	5.09895E-05	9.54283E-05
3293	6.73802E-05	7.13757E-05	1.63027E-05	5.56108E-05	9.81809E-05	6.7299E-05	7.07756E-05	1.20734E-05	5.56108E-05	0.000103711
3294	7.28209E-05	7.7025E-05	1.90767E-05	5.90357E-05	0.000104796	7.23391E-05	7.59743E-05	1.45941E-05	5.90357E-05	0.000110664
3295	7.43363E-05	7.83822E-05	2.2615E-05	5.95122E-05	0.000201552	7.34804E-05	7.69626E-05	1.81664E-05	5.95122E-05	0.00020152
3296	7.24015E-05	7.61851E-05	2.40337E-05	5.84656E-05	0.000203817	7.16408E-05	7.49112E-05	1.96911E-05	5.84656E-05	0.000203828
3297	7.29806E-05	7.67359E-05	2.49736E-05	5.86584E-05	0.000205782	7.2092E-05	7.53367E-05	2.05519E-05	5.86584E-05	0.000205943
3298	7.41167E-05	7.78666E-05	2.61795E-05	5.90048E-05	0.000206293	7.30005E-05	7.62302E-05	2.16971E-05	5.90048E-05	0.000206498
3299	7.50536E-05	7.88073E-05	2.70663E-05	5.86358E-05	0.000206444	7.35566E-05	7.67589E-05	2.26882E-05	5.86358E-05	0.000206665
3300	7.45022E-05	7.82672E-05	2.63718E-05	5.86186E-05	0.000192006	7.31671E-05	7.63879E-05	2.20061E-05	5.86186E-05	0.000193337
3301	7.56321E-05	7.94768E-05	2.64816E-05	6.00199E-05	0.000190368	7.4447E-05	7.77499E-05	2.19805E-05	6.00199E-05	0.000191589
3302	7.73719E-05	8.1403E-05	2.58399E-05	6.23405E-05	0.000184943	7.65088E-05	7.99902E-05	2.12072E-05	6.23405E-05	0.000185789
3303	8.29622E-05	8.73863E-05	2.64058E-05	6.76869E-05	0.000192412	8.23589E-05	8.61941E-05	2.14382E-05	6.76869E-05	0.000191671
3304	8.75308E-05	9.22093E-05	2.77224E-05	7.13453E-05	0.000185398	8.68804E-05	9.09325E-05	2.25149E-05	7.13453E-05	0.000184164
3305	9.01307E-05	9.49171E-05	2.89425E-05	7.3102E-05	0.000180328	8.93308E-05	9.34686E-05	2.36029E-05	7.3102E-05	0.000178731
3306	9.69437E-05	0.000101825	3.45448E-05	7.63969E-05	0.000177559	9.52314E-05	9.94131E-05	2.88066E-05	7.63969E-05	0.000175756
3307	0.000106415	0.000111303	4.3938E-05	7.96862E-05	0.000146358	0.000102961	0.000107069	3.76998E-05	7.96862E-05	0.000146591
3308	0.000108912	0.00011365	4.83364E-05	7.92439E-05	0.000115651	0.000104502	0.000108438	4.19805E-05	7.92439E-05	0.00011809
3309	0.000107777	0.000112467	4.78237E-05	7.60571E-05	9.72632E-05	0.000102674	0.000106515	4.16547E-05	7.60571E-05	0.000100529
3310	0.000100177	0.000104664	4.28123E-05	6.93691E-05	7.97064E-05	9.50897E-05	9.87357E-05	3.71754E-05	6.93691E-05	8.39874E-05
3311	8.67809E-05	9.08006E-05	3.53937E-05	6.08759E-05	7.70741E-05	8.26919E-05	8.59792E-05	3.04744E-05	6.08759E-05	8.11684E-05
3312	7.42294E-05	7.79461E-05	2.67161E-05	5.36209E-05	7.56546E-05	7.13775E-05	7.4451E-05	2.25572E-05	5.36209E-05	7.96457E-05
3313	6.30072E-05	6.64731E-05	1.87002E-05	4.76555E-05	7.7064E-05	6.14327E-05	6.43467E-05	1.51455E-05	4.76555E-05	8.1148E-05
3314	5.91215E-05	6.25575E-05	1.51966E-05	4.58996E-05	7.85066E-05	5.81206E-05	6.10313E-05	1.18854E-05	4.58996E-05	8.2682E-05
3315	5.93919E-05	6.29304E-05	1.41565E-05	4.73129E-05	8.34147E-05	5.88086E-05	6.18353E-05	1.07302E-05	4.73129E-05	8.79214E-05
3316	6.22739E-05	6.60189E-05	1.43991E-05	5.09895E-05	9.04382E-05	6.21061E-05	6.53479E-05	1.06108E-05	5.09895E-05	9.54283E-05
3317	6.73802E-05	7.13757E-05	1.63027E-05	5.56108E-05	9.81809E-05	6.7299E-05	7.07756E-05	1.20734E-05	5.56108E-05	0.000103711
3318	7.28209E-05	7.7025E-05	1.90767E-05	5.90357E-05	0.000104796	7.23391E-05	7.59743E-05	1.45941E-05	5.90357E-05	0.000110664
3319	7.43363E-05	7.83822E-05	2.2615E-05	5.95122E-05	0.000201552	7.34804E-05	7.69626E-05	1.81664E-05	5.95122E-05	0.00020152
3320	7.24015E-05	7.61851E-05	2.40337E-05	5.84656E-05	0.000203817	7.16408E-05	7.49112E-05	1.96911E-05	5.84656E-05	0.000203828
3321	7.29806E-05	7.67359E-05	2.49736E-05	5.86584E-05	0.000205782	7.2092E-05	7.53367E-05	2.05519E-05	5.86584E-05	0.000205943
3322	7.41167E-05	7.78666E-05	2.61795E-05	5.90048E-05	0.000206293	7.30005E-05	7.62302E-05	2.16971E-05	5.90048E-05	0.000206498
3323	7.50536E-05	7.88073E-05	2.70663E-05	5.86358E-05	0.000206444	7.35566E-05	7.67589E-05	2.26882E-05	5.86358E-05	0.000206665
3324	7.45022E-05	7.82672E-05	2.63718E-05	5.86186E-05	0.000192006	7.31671E-05	7.63879E-05	2.20061E-05	5.86186E-05	0.000193337
3325	7.56321E-05	7.94768E-05	2.64816E-05	6.00199E-05	0.000190368	7.4447E-05	7.77499E-05	2.19805E-05	6.00199E-05	0.000191589
3326	7.73719E-05	8.1403E-05	2.58399E-05	6.23405E-05	0.000184943	7.65088E-05	7.99902E-05	2.12072E-05	6.23405E-05	0.000185789
3327	8.29622E-05	8.73863E-05	2.64058E-05	6.76869E-05	0.000192412	8.23589E-05	8.61941E-05	2.14382E-05	6.76869E-05	0.000191671
3328	8.75308E-05	9.22093E-05	2.77224E-05	7.13453E-05	0.000185398	8.68804E-05	9.09325E-05	2.25149E-05	7.13453E-05	0.000184164
3329	9.01307E-05	9.49171E-05	2.89425E-05	7.3102E-05	0.000180328	8.93308E-05	9.34686E-05	2.36029E-05	7.3102E-05	0.000178731
3330	9.69437E-05	0.000101825	3.45448E-05	7.63969E-05	0.000177559	9.52314E-05	9.94131E-05	2.88066E-05	7.63969E-05	0.000175756
3331	0.000106415	0.000111303	4.3938E-05	7.96862E-05	0.000146358	0.000102961	0.000107069	3.76998E-05	7.96862E-05	0.000146591
3332	0.000108912	0.00011365	4.83364E-05	7.92439E-05	0.000115651	0.000104502	0.000108438	4.19805E-05	7.92439E-05	0.00011809
3333	0.000107777	0.000112467	4.78237E-05	7.60571E-05	9.72632E-05	0.000102674	0.000106515	4.16547E-05	7.60571E-05	0.000100529
3334	0.000100177	0.000104664	4.28123E-05	6.93691E-05	7.97064E-05	9.50897E-05	9.87357E-05	3.71754E-05	6.93691E-05	8.39874E-05
3335	8.67809E-05	9.08006E-05	3.53937E-05	6.08759E-05	7.70741E-05	8.26919E-05	8.59792E-05	3.04744E-05	6.08759E-05	8.11684E-05

3336	7.42294E-05	7.79461E-05	2.67161E-05	5.36209E-05	7.56546E-05	7.13775E-05	7.4451E-05	2.25572E-05	5.36209E-05	7.96457E-05
3337	6.30072E-05	6.64731E-05	1.87002E-05	4.76555E-05	7.7064E-05	6.14327E-05	6.43467E-05	1.51455E-05	4.76555E-05	8.1148E-05
3338	5.91215E-05	6.25575E-05	1.51966E-05	4.58996E-05	7.85066E-05	5.81206E-05	6.10313E-05	1.18854E-05	4.58996E-05	8.2682E-05
3339	5.93919E-05	6.29304E-05	1.41565E-05	4.73129E-05	8.34147E-05	5.88086E-05	6.18353E-05	1.07302E-05	4.73129E-05	8.79214E-05
3340	6.22739E-05	6.60189E-05	1.43991E-05	5.09895E-05	9.04382E-05	6.21061E-05	6.53479E-05	1.06108E-05	5.09895E-05	9.54283E-05
3341	6.73802E-05	7.13757E-05	1.63027E-05	5.56108E-05	9.81809E-05	6.7299E-05	7.07756E-05	1.20734E-05	5.56108E-05	0.000103711
3342	7.28209E-05	7.7025E-05	1.90767E-05	5.90357E-05	0.000104796	7.23391E-05	7.59743E-05	1.45941E-05	5.90357E-05	0.000110664
3343	7.43363E-05	7.83822E-05	2.2615E-05	5.95122E-05	0.000201552	7.34804E-05	7.69626E-05	1.81664E-05	5.95122E-05	0.00020152
3344	7.24015E-05	7.61851E-05	2.40337E-05	5.84656E-05	0.000203817	7.16408E-05	7.49112E-05	1.96911E-05	5.84656E-05	0.000203828
3345	7.29806E-05	7.67359E-05	2.49736E-05	5.86584E-05	0.000205782	7.2092E-05	7.53367E-05	2.05519E-05	5.86584E-05	0.000205943
3346	7.41167E-05	7.78666E-05	2.61795E-05	5.90048E-05	0.000206293	7.30005E-05	7.62302E-05	2.16971E-05	5.90048E-05	0.000206498
3347	7.50536E-05	7.88073E-05	2.70663E-05	5.86358E-05	0.000206444	7.35566E-05	7.67589E-05	2.26882E-05	5.86358E-05	0.000206665
3348	7.45022E-05	7.82672E-05	2.63718E-05	5.86186E-05	0.000192006	7.31671E-05	7.63879E-05	2.20061E-05	5.86186E-05	0.000193337
3349	7.56321E-05	7.94768E-05	2.64816E-05	6.00199E-05	0.000190368	7.4447E-05	7.77499E-05	2.19805E-05	6.00199E-05	0.000191589
3350	7.73719E-05	8.1403E-05	2.58399E-05	6.23405E-05	0.000184943	7.65088E-05	7.99902E-05	2.12072E-05	6.23405E-05	0.000185789
3351	8.29622E-05	8.73863E-05	2.64058E-05	6.76869E-05	0.000192412	8.23589E-05	8.61941E-05	2.14382E-05	6.76869E-05	0.000191671
3352	8.75308E-05	9.22093E-05	2.77224E-05	7.13453E-05	0.000185398	8.68804E-05	9.09325E-05	2.25149E-05	7.13453E-05	0.000184164
3353	9.01307E-05	9.49171E-05	2.89425E-05	7.3102E-05	0.000180328	8.93308E-05	9.34686E-05	2.36029E-05	7.3102E-05	0.000178731
3354	9.69437E-05	0.000101825	3.45448E-05	7.63969E-05	0.000177559	9.52314E-05	9.94131E-05	2.88066E-05	7.63969E-05	0.000175756
3355	0.000106415	0.000111303	4.3938E-05	7.96862E-05	0.000146358	0.000102961	0.000107069	3.76998E-05	7.96862E-05	0.000146591
3356	0.000108912	0.00011365	4.83364E-05	7.92439E-05	0.000115651	0.000104502	0.000108438	4.19805E-05	7.92439E-05	0.00011809
3357	0.000107777	0.000112467	4.78237E-05	7.60571E-05	9.72632E-05	0.000102674	0.000106515	4.16547E-05	7.60571E-05	0.000100529
3358	0.000100177	0.000104664	4.28123E-05	6.93691E-05	7.97064E-05	9.50897E-05	9.87357E-05	3.71754E-05	6.93691E-05	8.39874E-05
3359	8.67809E-05	9.08006E-05	3.53937E-05	6.08759E-05	7.70741E-05	8.26919E-05	8.59792E-05	3.04744E-05	6.08759E-05	8.11684E-05
3360	7.42294E-05	7.79461E-05	2.67161E-05	5.36209E-05	7.56546E-05	7.13775E-05	7.4451E-05	2.25572E-05	5.36209E-05	7.96457E-05
3361	6.30072E-05	6.64731E-05	1.87002E-05	4.76555E-05	7.7064E-05	6.14327E-05	6.43467E-05	1.51455E-05	4.76555E-05	8.1148E-05
3362	5.91215E-05	6.25575E-05	1.51966E-05	4.58996E-05	7.85066E-05	5.81206E-05	6.10313E-05	1.18854E-05	4.58996E-05	8.2682E-05
3363	5.93919E-05	6.29304E-05	1.41565E-05	4.73129E-05	8.34147E-05	5.88086E-05	6.18353E-05	1.07302E-05	4.73129E-05	8.79214E-05
3364	6.22739E-05	6.60189E-05	1.43991E-05	5.09895E-05	9.04382E-05	6.21061E-05	6.53479E-05	1.06108E-05	5.09895E-05	9.54283E-05
3365	6.73802E-05	7.13757E-05	1.63027E-05	5.56108E-05	9.81809E-05	6.7299E-05	7.07756E-05	1.20734E-05	5.56108E-05	0.000103711
3366	7.28209E-05	7.7025E-05	1.90767E-05	5.90357E-05	0.000104796	7.23391E-05	7.59743E-05	1.45941E-05	5.90357E-05	0.000110664
3367	7.43363E-05	7.83822E-05	2.2615E-05	5.95122E-05	0.000201552	7.34804E-05	7.69626E-05	1.81664E-05	5.95122E-05	0.00020152
3368	7.24015E-05	7.61851E-05	2.40337E-05	5.84656E-05	0.000203817	7.16408E-05	7.49112E-05	1.96911E-05	5.84656E-05	0.000203828
3369	7.29806E-05	7.67359E-05	2.49736E-05	5.86584E-05	0.000205782	7.2092E-05	7.53367E-05	2.05519E-05	5.86584E-05	0.000205943
3370	7.41167E-05	7.78666E-05	2.61795E-05	5.90048E-05	0.000206293	7.30005E-05	7.62302E-05	2.16971E-05	5.90048E-05	0.000206498
3371	7.50536E-05	7.88073E-05	2.70663E-05	5.86358E-05	0.000206444	7.35566E-05	7.67589E-05	2.26882E-05	5.86358E-05	0.000206665
3372	7.45022E-05	7.82672E-05	2.63718E-05	5.86186E-05	0.000192006	7.31671E-05	7.63879E-05	2.20061E-05	5.86186E-05	0.000193337
3373	7.56321E-05	7.94768E-05	2.64816E-05	6.00199E-05	0.000190368	7.4447E-05	7.77499E-05	2.19805E-05	6.00199E-05	0.000191589
3374	7.73719E-05	8.1403E-05	2.58399E-05	6.23405E-05	0.000184943	7.65088E-05	7.99902E-05	2.12072E-05	6.23405E-05	0.000185789
3375	8.29622E-05	8.73863E-05	2.64058E-05	6.76869E-05	0.000192412	8.23589E-05	8.61941E-05	2.14382E-05	6.76869E-05	0.000191671
3376	8.75308E-05	9.22093E-05	2.77224E-05	7.13453E-05	0.000185398	8.68804E-05	9.09325E-05	2.25149E-05	7.13453E-05	0.000184164
3377	9.01307E-05	9.49171E-05	2.89425E-05	7.3102E-05	0.000180328	8.93308E-05	9.34686E-05	2.36029E-05	7.3102E-05	0.000178731
3378	9.69437E-05	0.000101825	3.45448E-05	7.63969E-05	0.000177559	9.52314E-05	9.94131E-05	2.88066E-05	7.63969E-05	0.000175756
3379	0.000106415	0.000111303	4.3938E-05	7.96862E-05	0.000146358	0.000102961	0.000107069	3.76998E-05	7.96862E-05	0.000146591
3380	0.000108912	0.00011365	4.83364E-05	7.92439E-05	0.000115651	0.000104502	0.000108438	4.19805E-05	7.92439E-05	0.00011809
3381	0.000107777	0.000112467	4.78237E-05	7.60571E-05	9.72632E-05	0.000102674	0.000106515	4.16547E-05	7.60571E-05	0.000100529
3382	0.000100177	0.000104664	4.28123E-05	6.93691E-05	7.97064E-05	9.50897E-05	9.87357E-05	3.71754E-05	6.93691E-05	8.39874E-05
3383	8.67809E-05	9.08006E-05	3.53937E-05	6.08759E-05	7.70741E-05	8.26919E-05	8.59792E-05	3.04744E-05	6.08759E-05	8.11684E-05
3384	7.42294E-05	7.79461E-05	2.67161E-05	5.36209E-05	7.56546E-05	7.13775E-05	7.4451E-05	2.25572E-05	5.36209E-05	7.96457E-05
3385	6.34033E-05	6.68951E-05	1.87645E-05	4.80386E-05	7.64968E-05	6.18473E-05	6.4785E-05	1.51818E-05	4.80386E-05	8.05458E-05
3386	5.88667E-05	6.22855E-05	1.51622E-05	4.57101E-05	7.89153E-05	5.78708E-05	6.07676E-05	1.1856E-05	4.57101E-05	8.3118E-05
3387	5.94639E-05	6.30069E-05	1.41709E-05	4.74046E-05	8.3902E-05	5.88905E-05	6.19221E-05	1.07344E-05	4.74046E-05	8.84414E-05
3388	6.25742E-05	6.63388E-05	1.4449E-05	5.12893E-05	9.1017E-05	6.24232E-05	6.56833E-05	1.06374E-05	5.12893E-05	9.60459E-05
3389	6.75566E-05	7.1563E-05	1.63389E-05	5.5843E-05	9.90266E-05	6.75019E-05	7.09907E-05	1.20829E-05	5.5843E-05	0.000104615
3390	7.31096E-05	7.73321E-05	1.91304E-05	5.93709E-05	0.000105958	7.26579E-05	7.6312E-05	1.46145E-05	5.93709E-05	0.000111907
3391	7.61893E-05	8.03728E-05	2.27081E-05	5.99403E-05	0.000203086	7.50032E-05	7.85771E-05	1.8233E-05	5.99403E-05	0.000203161
3392	7.26514E-05	7.64516E-05	2.40692E-05	5.86661E-05	0.000205511	7.189E-05	7.51744E-05	1.97184E-05	5.86661E-05	0.00020564
3393	7.3162E-05	7.69298E-05	2.49952E-05	5.87696E-05	0.000207475	7.22628E-05	7.55167E-05	2.05754E-05	5.87696E-05	0.000207754
3394	7.41663E-05	7.79193E-05	2.61896E-05	5.90695E-05	0.000207967	7.30574E-05	7.62905E-05	2.16999E-05	5.90695E-05	0.000208289
3395	7.50112E-05	7.87623E-05	2.70583E-05	5.85862E-05	0.000208071	7.35097E-05	7.67093E-05	2.26852E-05	5.85862E-05	0.000208407
3396	7.42574E-05	7.80062E-05	2.63333E-05	5.83917E-05	0.000193569	7.29138E-05	7.61201E-05	2.19825E-05	5.83917E-05	0.000195011
3397	7.51722E-05	7.89865E-05	2.64109E-05	5.96067E-05	0.000191757	7.3975E-05	7.72511E-05	2.19349E-05	5.96067E-05	0.000193076
3398	7.71406E-05	8.11557E-05	2.58111E-05	6.21885E-05	0.00018613	7.6288E-05	7.97573E-05	2.11783E-05	6.21885E-05	0.000187063
3399	8.3267E-05	8.77107E-05	2.64595E-05	6.80164E-05	0.00019348	8.26882E-05	8.65426E-05	2.14624E-05	6.80164E-05	0.000192818
3400	8.87484E-05	9.35075E-05	2.7908E-05	7.24245E-05	0.000186508	8.81256E-05	9.22483E-05	2.26371E-05	7.24245E-05	0.000185355
3401	9.13888E-05	9.62583E-05	2.91375E-05	7.42431E-05	0.000181351	9.0625E-05	9.48365E-05	2.37263E-05	7.42431E-05	0.000179829
3402	9.81631E-05	0.000103125	3.47323E-05	7.74914E-05	0.000178493	9.64824E-05	0.000100735	2.89275E-05	7.74914E-05	0.000176756
3403	0.00010754	0.000112502	4.4109E-05	8.06796E-05	0.000147418	0.00010411	0.000108283	3.7813E-05	8.06796E-05	0.000147726
3404	0.000109983	0.000114793	4.85008E-05	8.0202E-05	0.000116651	0.0001056	0.000109599	4.20872E-05	8.0202E-05	0.000119161
3405	0.000107129	0.00011176	4.79212E-05	7.67536E-05	9.82446E-05	0.0001024	0.000106221	4.17029E-05	7.67536E-05	0.000101581
3406	0.000100915	0.000105451	4.29257E-05	7.00308E-05	8.06297E-05	9.58465E-05	9.95355E-05	3.72486E-05	7.00308E-05	8.49781E-05
3407	8.72342E-05	9.12838E-05	3.54651E-05	6.12964E-05	7.79166E-05	8.3161E-05	8.64751E-05	3.05179E-05	6.12964E-05	8.20729E-05
3408	7.46077E-05	7.83494E-05	2.67755E-05	5.39703E-05	7.64038E-05	7.17686E-05	7.48644E-05	2.25936E-05	5.39703E-05	8.04504E-05
3409	6.34033E-05	6.68951E-05	1.87645E-05	4.80386E-05	7.64968E-05	6.18473E-05	6.4785E-05	1.51818E-05	4.80386E-05	8.05458E-05
3410	5.88667E-05	6.22855E-05	1.51622E-05	4.57101E-05	7.89153E-05	5.78708E-05	6.07676E-05	1.1856E-05	4.57101E-05	8.3118E-05
3411	5.94639E-05	6.30069E-05	1.41709E-05	4.74046E-05	8.3902E-05	5.88905E-05	6.19221E-05	1.07344E-05	4.74046E-05	8.84414E-05

3412	6.25742E-05	6.63388E-05	1.4449E-05	5.12893E-05	9.1017E-05	6.24232E-05	6.56833E-05	1.06374E-05	5.12893E-05	9.60459E-05
3413	6.75566E-05	7.1563E-05	1.63389E-05	5.5843E-05	9.90266E-05	6.75019E-05	7.09907E-05	1.20829E-05	5.5843E-05	0.000104615
3414	7.31096E-05	7.73321E-05	1.91304E-05	5.93709E-05	0.000105958	7.26579E-05	7.6312E-05	1.46145E-05	5.93709E-05	0.000111907
3415	7.61893E-05	8.03728E-05	2.27081E-05	5.99403E-05	0.000203086	7.50032E-05	7.85771E-05	1.8233E-05	5.99403E-05	0.000203161
3416	7.26514E-05	7.64516E-05	2.40692E-05	5.86661E-05	0.000205511	7.189E-05	7.51744E-05	1.97184E-05	5.86661E-05	0.00020564
3417	7.3162E-05	7.69298E-05	2.49952E-05	5.87696E-05	0.000207475	7.22628E-05	7.55167E-05	2.05754E-05	5.87696E-05	0.000207754
3418	7.41663E-05	7.79193E-05	2.61896E-05	5.90695E-05	0.000207967	7.30574E-05	7.62905E-05	2.16999E-05	5.90695E-05	0.000208289
3419	7.50112E-05	7.87623E-05	2.70583E-05	5.85862E-05	0.000208071	7.35097E-05	7.67093E-05	2.26852E-05	5.85862E-05	0.000208407
3420	7.42574E-05	7.80062E-05	2.63333E-05	5.83917E-05	0.000193569	7.29138E-05	7.61201E-05	2.19825E-05	5.83917E-05	0.000195011
3421	7.51722E-05	7.89865E-05	2.64109E-05	5.96067E-05	0.000191757	7.3975E-05	7.72511E-05	2.19349E-05	5.96067E-05	0.000193076
3422	7.71406E-05	8.11557E-05	2.58111E-05	6.21885E-05	0.00018613	7.6288E-05	7.97573E-05	2.11783E-05	6.21885E-05	0.000187063
3423	8.3267E-05	8.77107E-05	2.64595E-05	6.80164E-05	0.00019348	8.26882E-05	8.65426E-05	2.14624E-05	6.80164E-05	0.000192818
3424	8.87484E-05	9.35075E-05	2.7908E-05	7.24245E-05	0.000186508	8.81256E-05	9.22483E-05	2.26371E-05	7.24245E-05	0.000185355
3425	9.13888E-05	9.62583E-05	2.91375E-05	7.42431E-05	0.000181351	9.0625E-05	9.48365E-05	2.37263E-05	7.42431E-05	0.000179829
3426	9.81631E-05	0.000103125	3.47323E-05	7.74914E-05	0.000178493	9.64824E-05	0.000100735	2.89275E-05	7.74914E-05	0.000176756
3427	0.00010754	0.000112502	4.4109E-05	8.06796E-05	0.000147418	0.00010411	0.000108283	3.7813E-05	8.06796E-05	0.000147726
3428	0.000109983	0.000114793	4.85008E-05	8.0202E-05	0.000116651	0.0001056	0.000109599	4.20872E-05	8.0202E-05	0.000119161
3429	0.000107129	0.00011176	4.79212E-05	7.67536E-05	9.82446E-05	0.0001024	0.000106221	4.17029E-05	7.67536E-05	0.000101581
3430	0.000100915	0.000105451	4.29257E-05	7.00308E-05	8.06297E-05	9.58465E-05	9.95355E-05	3.72486E-05	7.00308E-05	8.49781E-05
3431	8.72342E-05	9.12838E-05	3.54651E-05	6.12964E-05	7.79166E-05	8.3161E-05	8.64751E-05	3.05179E-05	6.12964E-05	8.20729E-05
3432	7.46077E-05	7.83494E-05	2.67755E-05	5.39703E-05	7.64038E-05	7.17686E-05	7.48644E-05	2.25936E-05	5.39703E-05	8.04504E-05
3433	6.30072E-05	6.64731E-05	1.87002E-05	4.76555E-05	7.7064E-05	6.14327E-05	6.43467E-05	1.51455E-05	4.76555E-05	8.1148E-05
3434	5.91215E-05	6.25575E-05	1.51966E-05	4.58996E-05	7.85066E-05	5.81206E-05	6.10313E-05	1.18854E-05	4.58996E-05	8.2682E-05
3435	5.93919E-05	6.29304E-05	1.41565E-05	4.73129E-05	8.34147E-05	5.88086E-05	6.18353E-05	1.07302E-05	4.73129E-05	8.79214E-05
3436	6.22739E-05	6.60189E-05	1.43991E-05	5.09895E-05	9.04382E-05	6.21061E-05	6.53479E-05	1.06108E-05	5.09895E-05	9.54283E-05
3437	6.73802E-05	7.13757E-05	1.63027E-05	5.56108E-05	9.81809E-05	6.7299E-05	7.07756E-05	1.20734E-05	5.56108E-05	0.000103711
3438	7.28209E-05	7.7025E-05	1.90767E-05	5.90357E-05	0.000104796	7.23391E-05	7.59743E-05	1.45941E-05	5.90357E-05	0.000110664
3439	7.43363E-05	7.83822E-05	2.2615E-05	5.95122E-05	0.000201552	7.34804E-05	7.69626E-05	1.81664E-05	5.95122E-05	0.00020152
3440	7.24015E-05	7.61851E-05	2.40337E-05	5.84656E-05	0.000203817	7.16408E-05	7.49112E-05	1.96911E-05	5.84656E-05	0.000203828
3441	7.29806E-05	7.67359E-05	2.49736E-05	5.86584E-05	0.000205782	7.2092E-05	7.53367E-05	2.05519E-05	5.86584E-05	0.000205943
3442	7.41167E-05	7.78666E-05	2.61795E-05	5.90048E-05	0.000206293	7.30005E-05	7.62302E-05	2.16971E-05	5.90048E-05	0.000206498
3443	7.50536E-05	7.88073E-05	2.70663E-05	5.86358E-05	0.000206444	7.35566E-05	7.67589E-05	2.26882E-05	5.86358E-05	0.000206665
3444	7.45022E-05	7.82672E-05	2.63718E-05	5.86186E-05	0.000192006	7.31671E-05	7.63879E-05	2.20061E-05	5.86186E-05	0.000193337
3445	7.56321E-05	7.94768E-05	2.64816E-05	6.00199E-05	0.000190368	7.4447E-05	7.77499E-05	2.19805E-05	6.00199E-05	0.000191589
3446	7.73719E-05	8.1403E-05	2.58399E-05	6.23405E-05	0.000184943	7.65088E-05	7.99902E-05	2.12072E-05	6.23405E-05	0.000185789
3447	8.29622E-05	8.73863E-05	2.64058E-05	6.76869E-05	0.000192412	8.23589E-05	8.61941E-05	2.14382E-05	6.76869E-05	0.000191671
3448	8.75308E-05	9.22093E-05	2.77224E-05	7.13453E-05	0.000185398	8.68804E-05	9.09325E-05	2.25149E-05	7.13453E-05	0.000184164
3449	9.01307E-05	9.49171E-05	2.89425E-05	7.3102E-05	0.000180328	8.93308E-05	9.34686E-05	2.36029E-05	7.3102E-05	0.000178731
3450	9.69437E-05	0.000101825	3.45448E-05	7.63969E-05	0.000177559	9.52314E-05	9.94131E-05	2.88066E-05	7.63969E-05	0.000175756
3451	0.000106415	0.000111303	4.3938E-05	7.96862E-05	0.000146358	0.000102961	0.000107069	3.76998E-05	7.96862E-05	0.000146591
3452	0.000108912	0.00011365	4.83364E-05	7.92439E-05	0.000115651	0.000104502	0.000108438	4.19805E-05	7.92439E-05	0.00011809
3453	0.000107777	0.000112467	4.78237E-05	7.60571E-05	9.72632E-05	0.000102674	0.000106515	4.16547E-05	7.60571E-05	0.000100529
3454	0.000100177	0.000104664	4.28123E-05	6.93691E-05	7.97064E-05	9.50897E-05	9.87357E-05	3.71754E-05	6.93691E-05	8.39874E-05
3455	8.67809E-05	9.08006E-05	3.53937E-05	6.08759E-05	7.70741E-05	8.26919E-05	8.59792E-05	3.04744E-05	6.08759E-05	8.11684E-05
3456	7.42294E-05	7.79461E-05	2.67161E-05	5.36209E-05	7.56546E-05	7.13775E-05	7.4451E-05	2.25572E-05	5.36209E-05	7.96457E-05
3457	6.30072E-05	6.64731E-05	1.87002E-05	4.76555E-05	7.7064E-05	6.14327E-05	6.43467E-05	1.51455E-05	4.76555E-05	8.1148E-05
3458	5.91215E-05	6.25575E-05	1.51966E-05	4.58996E-05	7.85066E-05	5.81206E-05	6.10313E-05	1.18854E-05	4.58996E-05	8.2682E-05
3459	5.93919E-05	6.29304E-05	1.41565E-05	4.73129E-05	8.34147E-05	5.88086E-05	6.18353E-05	1.07302E-05	4.73129E-05	8.79214E-05
3460	6.22739E-05	6.60189E-05	1.43991E-05	5.09895E-05	9.04382E-05	6.21061E-05	6.53479E-05	1.06108E-05	5.09895E-05	9.54283E-05
3461	6.73802E-05	7.13757E-05	1.63027E-05	5.56108E-05	9.81809E-05	6.7299E-05	7.07756E-05	1.20734E-05	5.56108E-05	0.000103711
3462	7.28209E-05	7.7025E-05	1.90767E-05	5.90357E-05	0.000104796	7.23391E-05	7.59743E-05	1.45941E-05	5.90357E-05	0.000110664
3463	7.43363E-05	7.83822E-05	2.2615E-05	5.95122E-05	0.000201552	7.34804E-05	7.69626E-05	1.81664E-05	5.95122E-05	0.00020152
3464	7.24015E-05	7.61851E-05	2.40337E-05	5.84656E-05	0.000203817	7.16408E-05	7.49112E-05	1.96911E-05	5.84656E-05	0.000203828
3465	7.29806E-05	7.67359E-05	2.49736E-05	5.86584E-05	0.000205782	7.2092E-05	7.53367E-05	2.05519E-05	5.86584E-05	0.000205943
3466	7.41167E-05	7.78666E-05	2.61795E-05	5.90048E-05	0.000206293	7.30005E-05	7.62302E-05	2.16971E-05	5.90048E-05	0.000206498
3467	7.50536E-05	7.88073E-05	2.70663E-05	5.86358E-05	0.000206444	7.35566E-05	7.67589E-05	2.26882E-05	5.86358E-05	0.000206665
3468	7.45022E-05	7.82672E-05	2.63718E-05	5.86186E-05	0.000192006	7.31671E-05	7.63879E-05	2.20061E-05	5.86186E-05	0.000193337
3469	7.56321E-05	7.94768E-05	2.64816E-05	6.00199E-05	0.000190368	7.4447E-05	7.77499E-05	2.19805E-05	6.00199E-05	0.000191589
3470	7.73719E-05	8.1403E-05	2.58399E-05	6.23405E-05	0.000184943	7.65088E-05	7.99902E-05	2.12072E-05	6.23405E-05	0.000185789
3471	8.29622E-05	8.73863E-05	2.64058E-05	6.76869E-05	0.000192412	8.23589E-05	8.61941E-05	2.14382E-05	6.76869E-05	0.000191671
3472	8.75308E-05	9.22093E-05	2.77224E-05	7.13453E-05	0.000185398	8.68804E-05	9.09325E-05	2.25149E-05	7.13453E-05	0.000184164
3473	9.01307E-05	9.49171E-05	2.89425E-05	7.3102E-05	0.000180328	8.93308E-05	9.34686E-05	2.36029E-05	7.3102E-05	0.000178731
3474	9.69437E-05	0.000101825	3.45448E-05	7.63969E-05	0.000177559	9.52314E-05	9.94131E-05	2.88066E-05	7.63969E-05	0.000175756
3475	0.000106415	0.000111303	4.3938E-05	7.96862E-05	0.000146358	0.000102961	0.000107069	3.76998E-05	7.96862E-05	0.000146591
3476	0.000108912	0.00011365	4.83364E-05	7.92439E-05	0.000115651	0.000104502	0.000108438	4.19805E-05	7.92439E-05	0.00011809
3477	0.000107777	0.000112467	4.78237E-05	7.60571E-05	9.72632E-05	0.000102674	0.000106515	4.16547E-05	7.60571E-05	0.000100529
3478	0.000100177	0.000104664	4.28123E-05	6.93691E-05	7.97064E-05	9.50897E-05	9.87357E-05	3.71754E-05	6.93691E-05	8.39874E-05
3479	8.67809E-05	9.08006E-05	3.53937E-05	6.08759E-05	7.70741E-05	8.26919E-05	8.59792E-05	3.04744E-05	6.08759E-05	8.11684E-05
3480	7.42294E-05	7.79461E-05	2.67161E-05	5.36209E-05	7.56546E-05	7.13775E-05	7.4451E-05	2.25572E-05	5.36209E-05	7.96457E-05
3481	6.30072E-05	6.64731E-05	1.87002E-05	4.76555E-05	7.7064E-05	6.14327E-05	6.43467E-05	1.51455E-05	4.76555E-05	8.1148E-05
3482	5.91215E-05	6.25575E-05	1.51966E-05	4.58996E-05	7.85066E-05	5.81206E-05	6.10313E-05	1.18854E-05	4.58996E-05	8.2682E-05
3483	5.93919E-05	6.29304E-05	1.41565E-05	4.73129E-05	8.34147E-05	5.88086E-05	6.18353E-05	1.07302E-05	4.73129E-05	8.79214E-05
3484	6.22739E-05	6.60189E-05	1.43991E-05	5.09895E-05	9.04382E-05	6.21061E-05	6.53479E-05	1.06108E-05	5.09895E-05	9.54283E-05
3485	6.73802E-05	7.13757E-05	1.63027E-05	5.56108E-05	9.81809E-05	6.7299E-05	7.07756E-05	1.20734E-05	5.56108E-05	0.000103711
3486	7.28209E-05	7.7025E-05	1.90767E-05	5.90357E-05	0.000104796	7.23391E-05	7.59743E-05	1.45941E-05	5.90357E-05	0.000110664
3487	7.43363E-05	7.83822E-05	2.2615E-05	5.95122E-05	0.000201552	7.34804E-05	7.69626E-05	1.81664E-05	5.95122E-05	0.00020152

3488	7.24015E-05	7.61851E-05	2.40337E-05	5.84656E-05	0.000203817	7.16408E-05	7.49112E-05	1.96911E-05	5.84656E-05	0.000203828
3489	7.29806E-05	7.67359E-05	2.49736E-05	5.86584E-05	0.000205782	7.2092E-05	7.53367E-05	2.05519E-05	5.86584E-05	0.000205943
3490	7.41167E-05	7.78666E-05	2.61795E-05	5.90048E-05	0.000206293	7.30005E-05	7.62302E-05	2.16971E-05	5.90048E-05	0.000206498
3491	7.50536E-05	7.88073E-05	2.70663E-05	5.86358E-05	0.000206444	7.35566E-05	7.67589E-05	2.26882E-05	5.86358E-05	0.000206665
3492	7.45022E-05	7.82672E-05	2.63718E-05	5.86186E-05	0.000192006	7.31671E-05	7.63879E-05	2.20061E-05	5.86186E-05	0.000193337
3493	7.56321E-05	7.94768E-05	2.64816E-05	6.00199E-05	0.000190368	7.4447E-05	7.77499E-05	2.19805E-05	6.00199E-05	0.000191589
3494	7.73719E-05	8.1403E-05	2.58399E-05	6.23405E-05	0.000184943	7.65088E-05	7.99902E-05	2.12072E-05	6.23405E-05	0.000185789
3495	8.29622E-05	8.73863E-05	2.64058E-05	6.76869E-05	0.000192412	8.23589E-05	8.61941E-05	2.14382E-05	6.76869E-05	0.000191671
3496	8.75308E-05	9.22093E-05	2.77224E-05	7.13453E-05	0.000185398	8.68804E-05	9.09325E-05	2.25149E-05	7.13453E-05	0.000184164
3497	9.01307E-05	9.49171E-05	2.89425E-05	7.3102E-05	0.000180328	8.93308E-05	9.34686E-05	2.36029E-05	7.3102E-05	0.000178731
3498	9.69437E-05	0.000101825	3.45448E-05	7.63969E-05	0.000177559	9.52314E-05	9.94131E-05	2.88066E-05	7.63969E-05	0.000175756
3499	0.000106415	0.000111303	4.3938E-05	7.96862E-05	0.000146358	0.000102961	0.000107069	3.76998E-05	7.96862E-05	0.000146591
3500	0.000108912	0.00011365	4.83364E-05	7.92439E-05	0.000115651	0.000104502	0.000108438	4.19805E-05	7.92439E-05	0.00011809
3501	0.000107777	0.000112467	4.78237E-05	7.60571E-05	9.72632E-05	0.000102674	0.000106515	4.16547E-05	7.60571E-05	0.000100529
3502	0.000100177	0.000104664	4.28123E-05	6.93691E-05	7.97064E-05	9.50897E-05	9.87357E-05	3.71754E-05	6.93691E-05	8.39874E-05
3503	8.67809E-05	9.08006E-05	3.53937E-05	6.08759E-05	7.70741E-05	8.26919E-05	8.59792E-05	3.04744E-05	6.08759E-05	8.11684E-05
3504	7.42294E-05	7.79461E-05	2.67161E-05	5.36209E-05	7.56546E-05	7.13775E-05	7.4451E-05	2.25572E-05	5.36209E-05	7.96457E-05
3505	6.30072E-05	6.64731E-05	1.87002E-05	4.76555E-05	7.7064E-05	6.14327E-05	6.43467E-05	1.51455E-05	4.76555E-05	8.1148E-05
3506	5.91215E-05	6.25575E-05	1.51966E-05	4.58996E-05	7.85066E-05	5.81206E-05	6.10313E-05	1.18854E-05	4.58996E-05	8.2682E-05
3507	5.93919E-05	6.29304E-05	1.41565E-05	4.73129E-05	8.34147E-05	5.88086E-05	6.18353E-05	1.07302E-05	4.73129E-05	8.79214E-05
3508	6.22739E-05	6.60189E-05	1.43991E-05	5.09895E-05	9.04382E-05	6.21061E-05	6.53479E-05	1.06108E-05	5.09895E-05	9.54283E-05
3509	6.73802E-05	7.13757E-05	1.63027E-05	5.56108E-05	9.81809E-05	6.7299E-05	7.07756E-05	1.20734E-05	5.56108E-05	0.000103711
3510	7.28209E-05	7.7025E-05	1.90767E-05	5.90357E-05	0.000104796	7.23391E-05	7.59743E-05	1.45941E-05	5.90357E-05	0.000110664
3511	7.43363E-05	7.83822E-05	2.2615E-05	5.95122E-05	0.000201552	7.34804E-05	7.69626E-05	1.81664E-05	5.95122E-05	0.00020152
3512	7.24015E-05	7.61851E-05	2.40337E-05	5.84656E-05	0.000203817	7.16408E-05	7.49112E-05	1.96911E-05	5.84656E-05	0.000203828
3513	7.29806E-05	7.67359E-05	2.49736E-05	5.86584E-05	0.000205782	7.2092E-05	7.53367E-05	2.05519E-05	5.86584E-05	0.000205943
3514	7.41167E-05	7.78666E-05	2.61795E-05	5.90048E-05	0.000206293	7.30005E-05	7.62302E-05	2.16971E-05	5.90048E-05	0.000206498
3515	7.50536E-05	7.88073E-05	2.70663E-05	5.86358E-05	0.000206444	7.35566E-05	7.67589E-05	2.26882E-05	5.86358E-05	0.000206665
3516	7.45022E-05	7.82672E-05	2.63718E-05	5.86186E-05	0.000192006	7.31671E-05	7.63879E-05	2.20061E-05	5.86186E-05	0.000193337
3517	7.56321E-05	7.94768E-05	2.64816E-05	6.00199E-05	0.000190368	7.4447E-05	7.77499E-05	2.19805E-05	6.00199E-05	0.000191589
3518	7.73719E-05	8.1403E-05	2.58399E-05	6.23405E-05	0.000184943	7.65088E-05	7.99902E-05	2.12072E-05	6.23405E-05	0.000185789
3519	8.29622E-05	8.73863E-05	2.64058E-05	6.76869E-05	0.000192412	8.23589E-05	8.61941E-05	2.14382E-05	6.76869E-05	0.000191671
3520	8.75308E-05	9.22093E-05	2.77224E-05	7.13453E-05	0.000185398	8.68804E-05	9.09325E-05	2.25149E-05	7.13453E-05	0.000184164
3521	9.01307E-05	9.49171E-05	2.89425E-05	7.3102E-05	0.000180328	8.93308E-05	9.34686E-05	2.36029E-05	7.3102E-05	0.000178731
3522	9.69437E-05	0.000101825	3.45448E-05	7.63969E-05	0.000177559	9.52314E-05	9.94131E-05	2.88066E-05	7.63969E-05	0.000175756
3523	0.000106415	0.000111303	4.3938E-05	7.96862E-05	0.000146358	0.000102961	0.000107069	3.76998E-05	7.96862E-05	0.000146591
3524	0.000108912	0.00011365	4.83364E-05	7.92439E-05	0.000115651	0.000104502	0.000108438	4.19805E-05	7.92439E-05	0.00011809
3525	0.000107777	0.000112467	4.78237E-05	7.60571E-05	9.72632E-05	0.000102674	0.000106515	4.16547E-05	7.60571E-05	0.000100529
3526	0.000100177	0.000104664	4.28123E-05	6.93691E-05	7.97064E-05	9.50897E-05	9.87357E-05	3.71754E-05	6.93691E-05	8.39874E-05
3527	8.67809E-05	9.08006E-05	3.53937E-05	6.08759E-05	7.70741E-05	8.26919E-05	8.59792E-05	3.04744E-05	6.08759E-05	8.11684E-05
3528	7.42294E-05	7.79461E-05	2.67161E-05	5.36209E-05	7.56546E-05	7.13775E-05	7.4451E-05	2.25572E-05	5.36209E-05	7.96457E-05
3529	6.30072E-05	6.64731E-05	1.87002E-05	4.76555E-05	7.7064E-05	6.14327E-05	6.43467E-05	1.51455E-05	4.76555E-05	8.1148E-05
3530	5.91215E-05	6.25575E-05	1.51966E-05	4.58996E-05	7.85066E-05	5.81206E-05	6.10313E-05	1.18854E-05	4.58996E-05	8.2682E-05
3531	5.93919E-05	6.29304E-05	1.41565E-05	4.73129E-05	8.34147E-05	5.88086E-05	6.18353E-05	1.07302E-05	4.73129E-05	8.79214E-05
3532	6.22739E-05	6.60189E-05	1.43991E-05	5.09895E-05	9.04382E-05	6.21061E-05	6.53479E-05	1.06108E-05	5.09895E-05	9.54283E-05
3533	6.73802E-05	7.13757E-05	1.63027E-05	5.56108E-05	9.81809E-05	6.7299E-05	7.07756E-05	1.20734E-05	5.56108E-05	0.000103711
3534	7.28209E-05	7.7025E-05	1.90767E-05	5.90357E-05	0.000104796	7.23391E-05	7.59743E-05	1.45941E-05	5.90357E-05	0.000110664
3535	7.43363E-05	7.83822E-05	2.2615E-05	5.95122E-05	0.000201552	7.34804E-05	7.69626E-05	1.81664E-05	5.95122E-05	0.00020152
3536	7.24015E-05	7.61851E-05	2.40337E-05	5.84656E-05	0.000203817	7.16408E-05	7.49112E-05	1.96911E-05	5.84656E-05	0.000203828
3537	7.29806E-05	7.67359E-05	2.49736E-05	5.86584E-05	0.000205782	7.2092E-05	7.53367E-05	2.05519E-05	5.86584E-05	0.000205943
3538	7.41167E-05	7.78666E-05	2.61795E-05	5.90048E-05	0.000206293	7.30005E-05	7.62302E-05	2.16971E-05	5.90048E-05	0.000206498
3539	7.50536E-05	7.88073E-05	2.70663E-05	5.86358E-05	0.000206444	7.35566E-05	7.67589E-05	2.26882E-05	5.86358E-05	0.000206665
3540	7.45022E-05	7.82672E-05	2.63718E-05	5.86186E-05	0.000192006	7.31671E-05	7.63879E-05	2.20061E-05	5.86186E-05	0.000193337
3541	7.56321E-05	7.94768E-05	2.64816E-05	6.00199E-05	0.000190368	7.4447E-05	7.77499E-05	2.19805E-05	6.00199E-05	0.000191589
3542	7.73719E-05	8.1403E-05	2.58399E-05	6.23405E-05	0.000184943	7.65088E-05	7.99902E-05	2.12072E-05	6.23405E-05	0.000185789
3543	8.29622E-05	8.73863E-05	2.64058E-05	6.76869E-05	0.000192412	8.23589E-05	8.61941E-05	2.14382E-05	6.76869E-05	0.000191671
3544	8.75308E-05	9.22093E-05	2.77224E-05	7.13453E-05	0.000185398	8.68804E-05	9.09325E-05	2.25149E-05	7.13453E-05	0.000184164
3545	9.01307E-05	9.49171E-05	2.89425E-05	7.3102E-05	0.000180328	8.93308E-05	9.34686E-05	2.36029E-05	7.3102E-05	0.000178731
3546	9.69437E-05	0.000101825	3.45448E-05	7.63969E-05	0.000177559	9.52314E-05	9.94131E-05	2.88066E-05	7.63969E-05	0.000175756
3547	0.000106415	0.000111303	4.3938E-05	7.96862E-05	0.000146358	0.000102961	0.000107069	3.76998E-05	7.96862E-05	0.000146591
3548	0.000108912	0.00011365	4.83364E-05	7.92439E-05	0.000115651	0.000104502	0.000108438	4.19805E-05	7.92439E-05	0.00011809
3549	0.000107777	0.000112467	4.78237E-05	7.60571E-05	9.72632E-05	0.000102674	0.000106515	4.16547E-05	7.60571E-05	0.000100529
3550	0.000100177	0.000104664	4.28123E-05	6.93691E-05	7.97064E-05	9.50897E-05	9.87357E-05	3.71754E-05	6.93691E-05	8.39874E-05
3551	8.67809E-05	9.08006E-05	3.53937E-05	6.08759E-05	7.70741E-05	8.26919E-05	8.59792E-05	3.04744E-05	6.08759E-05	8.11684E-05
3552	7.42294E-05	7.79461E-05	2.67161E-05	5.36209E-05	7.56546E-05	7.13775E-05	7.4451E-05	2.25572E-05	5.36209E-05	7.96457E-05
3553	6.34033E-05	6.68951E-05	1.87645E-05	4.80386E-05	7.64968E-05	6.18473E-05	6.4785E-05	1.51818E-05	4.80386E-05	8.05458E-05
3554	5.88667E-05	6.22855E-05	1.51622E-05	4.57101E-05	7.89153E-05	5.78708E-05	6.07676E-05	1.1856E-05	4.57101E-05	8.3118E-05
3555	5.94639E-05	6.30069E-05	1.41709E-05	4.74046E-05	8.3902E-05	5.88905E-05	6.19221E-05	1.07344E-05	4.74046E-05	8.84414E-05
3556	6.25742E-05	6.63388E-05	1.4449E-05	5.12893E-05	9.1017E-05	6.24232E-05	6.56833E-05	1.06374E-05	5.12893E-05	9.60459E-05
3557	6.75566E-05	7.1563E-05	1.63389E-05	5.5843E-05	9.90266E-05	6.75019E-05	7.09907E-05	1.20829E-05	5.5843E-05	0.000104615
3558	7.31096E-05	7.73321E-05	1.91304E-05	5.93709E-05	0.000105958	7.26579E-05	7.6312E-05	1.46145E-05	5.93709E-05	0.000111907
3559	7.61893E-05	8.03728E-05	2.27081E-05	5.99403E-05	0.000203086	7.50032E-05	7.85771E-05	1.8233E-05	5.99403E-05	0.000203161
3560	7.26514E-05	7.64516E-05	2.40692E-05	5.86661E-05	0.000205511	7.189E-05	7.51744E-05	1.97184E-05	5.86661E-05	0.00020564
3561	7.3162E-05	7.69298E-05	2.49952E-05	5.87696E-05	0.000207475	7.22628E-05	7.55167E-05	2.05754E-05	5.87696E-05	0.000207754
3562	7.41663E-05	7.79193E-05	2.61896E-05	5.90695E-05	0.000207967	7.30574E-05	7.62905E-05	2.16999E-05	5.90695E-05	0.000208289
3563	7.50112E-05	7.87623E-05	2.70583E-05	5.85862E-05	0.000208071	7.35097E-05	7.67093E-05	2.26852E-05	5.85862E-05	0.000208407

3564	7.42574E-05	7.80062E-05	2.63333E-05	5.83917E-05	0.000193569	7.29138E-05	7.61201E-05	2.19825E-05	5.83917E-05	0.000195011
3565	7.51722E-05	7.89865E-05	2.64109E-05	5.96067E-05	0.000191757	7.3975E-05	7.72511E-05	2.19349E-05	5.96067E-05	0.000193076
3566	7.71406E-05	8.11557E-05	2.58111E-05	6.21885E-05	0.00018613	7.6288E-05	7.97573E-05	2.11783E-05	6.21885E-05	0.000187063
3567	8.3267E-05	8.77107E-05	2.64595E-05	6.80164E-05	0.00019348	8.26882E-05	8.65426E-05	2.14624E-05	6.80164E-05	0.000192818
3568	8.87484E-05	9.35075E-05	2.7908E-05	7.24245E-05	0.000186508	8.81256E-05	9.22483E-05	2.26371E-05	7.24245E-05	0.000185355
3569	9.13888E-05	9.62583E-05	2.91375E-05	7.42431E-05	0.000181351	9.0625E-05	9.48365E-05	2.37263E-05	7.42431E-05	0.000179829
3570	9.81631E-05	0.000103125	3.47323E-05	7.74914E-05	0.000178493	9.64824E-05	0.000100735	2.89275E-05	7.74914E-05	0.000176756
3571	0.00010754	0.000112502	4.4109E-05	8.06796E-05	0.000147418	0.00010411	0.000108283	3.7813E-05	8.06796E-05	0.000147726
3572	0.000109983	0.000114793	4.85008E-05	8.0202E-05	0.000116651	0.0001056	0.000109599	4.20872E-05	8.0202E-05	0.000119161
3573	0.000107129	0.00011176	4.79212E-05	7.67536E-05	9.82446E-05	0.0001024	0.000106221	4.17029E-05	7.67536E-05	0.000101581
3574	0.000100915	0.000105451	4.29257E-05	7.00308E-05	8.06297E-05	9.58465E-05	9.95355E-05	3.72486E-05	7.00308E-05	8.49781E-05
3575	8.72342E-05	9.12838E-05	3.54651E-05	6.12964E-05	7.79166E-05	8.3161E-05	8.64751E-05	3.05179E-05	6.12964E-05	8.20729E-05
3576	7.46077E-05	7.83494E-05	2.67755E-05	5.39703E-05	7.64038E-05	7.17686E-05	7.48644E-05	2.25936E-05	5.39703E-05	8.04504E-05
3577	6.34033E-05	6.68951E-05	1.87645E-05	4.80386E-05	7.64968E-05	6.18473E-05	6.4785E-05	1.51818E-05	4.80386E-05	8.05458E-05
3578	5.88667E-05	6.22855E-05	1.51622E-05	4.57101E-05	7.89153E-05	5.78708E-05	6.07676E-05	1.1856E-05	4.57101E-05	8.3118E-05
3579	5.94639E-05	6.30069E-05	1.41709E-05	4.74046E-05	8.3902E-05	5.88905E-05	6.19221E-05	1.07344E-05	4.74046E-05	8.84414E-05
3580	6.25742E-05	6.63388E-05	1.4449E-05	5.12893E-05	9.1017E-05	6.24232E-05	6.56833E-05	1.06374E-05	5.12893E-05	9.60459E-05
3581	6.75566E-05	7.1563E-05	1.63389E-05	5.5843E-05	9.90266E-05	6.75019E-05	7.09907E-05	1.20829E-05	5.5843E-05	0.000104615
3582	7.31096E-05	7.73321E-05	1.91304E-05	5.93709E-05	0.000105958	7.26579E-05	7.6312E-05	1.46145E-05	5.93709E-05	0.000111907
3583	7.61893E-05	8.03728E-05	2.27081E-05	5.99403E-05	0.000203086	7.50032E-05	7.85771E-05	1.8233E-05	5.99403E-05	0.000203161
3584	7.26514E-05	7.64516E-05	2.40692E-05	5.86661E-05	0.000205511	7.189E-05	7.51744E-05	1.97184E-05	5.86661E-05	0.00020564
3585	7.3162E-05	7.69298E-05	2.49952E-05	5.87696E-05	0.000207475	7.22628E-05	7.55167E-05	2.05754E-05	5.87696E-05	0.000207754
3586	7.41663E-05	7.79193E-05	2.61896E-05	5.90695E-05	0.000207967	7.30574E-05	7.62905E-05	2.16999E-05	5.90695E-05	0.000208289
3587	7.50112E-05	7.87623E-05	2.70583E-05	5.85862E-05	0.000208071	7.35097E-05	7.67093E-05	2.26852E-05	5.85862E-05	0.000208407
3588	7.42574E-05	7.80062E-05	2.63333E-05	5.83917E-05	0.000193569	7.29138E-05	7.61201E-05	2.19825E-05	5.83917E-05	0.000195011
3589	7.51722E-05	7.89865E-05	2.64109E-05	5.96067E-05	0.000191757	7.3975E-05	7.72511E-05	2.19349E-05	5.96067E-05	0.000193076
3590	7.71406E-05	8.11557E-05	2.58111E-05	6.21885E-05	0.00018613	7.6288E-05	7.97573E-05	2.11783E-05	6.21885E-05	0.000187063
3591	8.3267E-05	8.77107E-05	2.64595E-05	6.80164E-05	0.00019348	8.26882E-05	8.65426E-05	2.14624E-05	6.80164E-05	0.000192818
3592	8.87484E-05	9.35075E-05	2.7908E-05	7.24245E-05	0.000186508	8.81256E-05	9.22483E-05	2.26371E-05	7.24245E-05	0.000185355
3593	9.13888E-05	9.62583E-05	2.91375E-05	7.42431E-05	0.000181351	9.0625E-05	9.48365E-05	2.37263E-05	7.42431E-05	0.000179829
3594	9.81631E-05	0.000103125	3.47323E-05	7.74914E-05	0.000178493	9.64824E-05	0.000100735	2.89275E-05	7.74914E-05	0.000176756
3595	0.00010754	0.000112502	4.4109E-05	8.06796E-05	0.000147418	0.00010411	0.000108283	3.7813E-05	8.06796E-05	0.000147726
3596	0.000109983	0.000114793	4.85008E-05	8.0202E-05	0.000116651	0.0001056	0.000109599	4.20872E-05	8.0202E-05	0.000119161
3597	0.000107129	0.00011176	4.79212E-05	7.67536E-05	9.82446E-05	0.0001024	0.000106221	4.17029E-05	7.67536E-05	0.000101581
3598	0.000100915	0.000105451	4.29257E-05	7.00308E-05	8.06297E-05	9.58465E-05	9.95355E-05	3.72486E-05	7.00308E-05	8.49781E-05
3599	8.72342E-05	9.12838E-05	3.54651E-05	6.12964E-05	7.79166E-05	8.3161E-05	8.64751E-05	3.05179E-05	6.12964E-05	8.20729E-05
3600	7.46077E-05	7.83494E-05	2.67755E-05	5.39703E-05	7.64038E-05	7.17686E-05	7.48644E-05	2.25936E-05	5.39703E-05	8.04504E-05
3601	6.34033E-05	6.68951E-05	1.87645E-05	4.80386E-05	7.64968E-05	6.18473E-05	6.4785E-05	1.51818E-05	4.80386E-05	8.05458E-05
3602	5.88667E-05	6.22855E-05	1.51622E-05	4.57101E-05	7.89153E-05	5.78708E-05	6.07676E-05	1.1856E-05	4.57101E-05	8.3118E-05
3603	5.94639E-05	6.30069E-05	1.41709E-05	4.74046E-05	8.3902E-05	5.88905E-05	6.19221E-05	1.07344E-05	4.74046E-05	8.84414E-05
3604	6.25742E-05	6.63388E-05	1.4449E-05	5.12893E-05	9.1017E-05	6.24232E-05	6.56833E-05	1.06374E-05	5.12893E-05	9.60459E-05
3605	6.75566E-05	7.1563E-05	1.63389E-05	5.5843E-05	9.90266E-05	6.75019E-05	7.09907E-05	1.20829E-05	5.5843E-05	0.000104615
3606	7.31096E-05	7.73321E-05	1.91304E-05	5.93709E-05	0.000105958	7.26579E-05	7.6312E-05	1.46145E-05	5.93709E-05	0.000111907
3607	7.61893E-05	8.03728E-05	2.27081E-05	5.99403E-05	0.000203086	7.50032E-05	7.85771E-05	1.8233E-05	5.99403E-05	0.000203161
3608	7.26514E-05	7.64516E-05	2.40692E-05	5.86661E-05	0.000205511	7.189E-05	7.51744E-05	1.97184E-05	5.86661E-05	0.00020564
3609	7.3162E-05	7.69298E-05	2.49952E-05	5.87696E-05	0.000207475	7.22628E-05	7.55167E-05	2.05754E-05	5.87696E-05	0.000207754
3610	7.41663E-05	7.79193E-05	2.61896E-05	5.90695E-05	0.000207967	7.30574E-05	7.62905E-05	2.16999E-05	5.90695E-05	0.000208289
3611	7.50112E-05	7.87623E-05	2.70583E-05	5.85862E-05	0.000208071	7.35097E-05	7.67093E-05	2.26852E-05	5.85862E-05	0.000208407
3612	7.42574E-05	7.80062E-05	2.63333E-05	5.83917E-05	0.000193569	7.29138E-05	7.61201E-05	2.19825E-05	5.83917E-05	0.000195011
3613	7.51722E-05	7.89865E-05	2.64109E-05	5.96067E-05	0.000191757	7.3975E-05	7.72511E-05	2.19349E-05	5.96067E-05	0.000193076
3614	7.71406E-05	8.11557E-05	2.58111E-05	6.21885E-05	0.00018613	7.6288E-05	7.97573E-05	2.11783E-05	6.21885E-05	0.000187063
3615	8.3267E-05	8.77107E-05	2.64595E-05	6.80164E-05	0.00019348	8.26882E-05	8.65426E-05	2.14624E-05	6.80164E-05	0.000192818
3616	8.87484E-05	9.35075E-05	2.7908E-05	7.24245E-05	0.000186508	8.81256E-05	9.22483E-05	2.26371E-05	7.24245E-05	0.000185355
3617	9.13888E-05	9.62583E-05	2.91375E-05	7.42431E-05	0.000181351	9.0625E-05	9.48365E-05	2.37263E-05	7.42431E-05	0.000179829
3618	9.81631E-05	0.000103125	3.47323E-05	7.74914E-05	0.000178493	9.64824E-05	0.000100735	2.89275E-05	7.74914E-05	0.000176756
3619	0.00010754	0.000112502	4.4109E-05	8.06796E-05	0.000147418	0.00010411	0.000108283	3.7813E-05	8.06796E-05	0.000147726
3620	0.000109983	0.000114793	4.85008E-05	8.0202E-05	0.000116651	0.0001056	0.000109599	4.20872E-05	8.0202E-05	0.000119161
3621	0.000107129	0.00011176	4.79212E-05	7.67536E-05	9.82446E-05	0.0001024	0.000106221	4.17029E-05	7.67536E-05	0.000101581
3622	0.000100915	0.000105451	4.29257E-05	7.00308E-05	8.06297E-05	9.58465E-05	9.95355E-05	3.72486E-05	7.00308E-05	8.49781E-05
3623	8.72342E-05	9.12838E-05	3.54651E-05	6.12964E-05	7.79166E-05	8.3161E-05	8.64751E-05	3.05179E-05	6.12964E-05	8.20729E-05
3624	7.46077E-05	7.83494E-05	2.67755E-05	5.39703E-05	7.64038E-05	7.17686E-05	7.48644E-05	2.25936E-05	5.39703E-05	8.04504E-05
3625	6.30072E-05	6.64731E-05	1.87002E-05	4.76555E-05	7.7064E-05	6.14327E-05	6.43467E-05	1.51455E-05	4.76555E-05	8.1148E-05
3626	5.91215E-05	6.25575E-05	1.51966E-05	4.58996E-05	7.85066E-05	5.81206E-05	6.10313E-05	1.18854E-05	4.58996E-05	8.2682E-05
3627	5.93919E-05	6.29304E-05	1.41565E-05	4.73129E-05	8.34147E-05	5.88086E-05	6.18353E-05	1.07302E-05	4.73129E-05	8.79214E-05
3628	6.22739E-05	6.60189E-05	1.43991E-05	5.09895E-05	9.04382E-05	6.21061E-05	6.53479E-05	1.06108E-05	5.09895E-05	9.54283E-05
3629	6.73802E-05	7.13757E-05	1.63027E-05	5.56108E-05	9.81809E-05	6.7299E-05	7.07756E-05	1.20734E-05	5.56108E-05	0.000103711
3630	7.28209E-05	7.7025E-05	1.90767E-05	5.90357E-05	0.000104796	7.23391E-05	7.59743E-05	1.45941E-05	5.90357E-05	0.000110664
3631	7.43363E-05	7.83822E-05	2.2615E-05	5.95122E-05	0.000201552	7.34804E-05	7.69626E-05	1.81664E-05	5.95122E-05	0.00020152
3632	7.24015E-05	7.61851E-05	2.40337E-05	5.84656E-05	0.000203817	7.16408E-05	7.49112E-05	1.96911E-05	5.84656E-05	0.000203828
3633	7.29806E-05	7.67359E-05	2.49736E-05	5.86584E-05	0.000205782	7.2092E-05	7.53367E-05	2.05519E-05	5.86584E-05	0.000205943
3634	7.41167E-05	7.78666E-05	2.61795E-05	5.90048E-05	0.000206293	7.30005E-05	7.62302E-05	2.16971E-05	5.90048E-05	0.000206498
3635	7.50536E-05	7.88073E-05	2.70663E-05	5.86358E-05	0.000206444	7.35566E-05	7.67589E-05	2.26882E-05	5.86358E-05	0.000206665
3636	7.45022E-05	7.82672E-05	2.63718E-05	5.86186E-05	0.000192006	7.31671E-05	7.63879E-05	2.20061E-05	5.86186E-05	0.000193337
3637	7.56321E-05	7.94768E-05	2.64816E-05	6.00199E-05	0.000190368	7.4447E-05	7.77499E-05	2.19805E-05	6.00199E-05	0.000191589
3638	7.73719E-05	8.1403E-05	2.58399E-05	6.23405E-05	0.000184943	7.65088E-05	7.99902E-05	2.12072E-05	6.23405E-05	0.000185789
3639	8.29622E-05	8.73863E-05	2.64058E-05	6.76869E-05	0.000192412	8.23589E-05	8.61941E-05	2.14382E-05	6.76869E-05	0.000191671

3640	8.75308E-05	9.22093E-05	2.77224E-05	7.13453E-05	0.000185398	8.68804E-05	9.09325E-05	2.25149E-05	7.13453E-05	0.000184164
3641	9.01307E-05	9.49171E-05	2.89425E-05	7.3102E-05	0.000180328	8.93308E-05	9.34686E-05	2.36029E-05	7.3102E-05	0.000178731
3642	9.69437E-05	0.000101825	3.45448E-05	7.63969E-05	0.000177559	9.52314E-05	9.94131E-05	2.88066E-05	7.63969E-05	0.000175756
3643	0.000106415	0.000111303	4.3938E-05	7.96862E-05	0.000146358	0.000102961	0.000107069	3.76998E-05	7.96862E-05	0.000146591
3644	0.000108912	0.00011365	4.83364E-05	7.92439E-05	0.000115651	0.000104502	0.000108438	4.19805E-05	7.92439E-05	0.00011809
3645	0.000107777	0.000112467	4.78237E-05	7.60571E-05	9.72632E-05	0.000102674	0.000106515	4.16547E-05	7.60571E-05	0.000100529
3646	0.000100177	0.000104664	4.28123E-05	6.93691E-05	7.97064E-05	9.50897E-05	9.87357E-05	3.71754E-05	6.93691E-05	8.39874E-05
3647	8.67809E-05	9.08006E-05	3.53937E-05	6.08759E-05	7.70741E-05	8.26919E-05	8.59792E-05	3.04744E-05	6.08759E-05	8.11684E-05
3648	7.42294E-05	7.79461E-05	2.67161E-05	5.36209E-05	7.56546E-05	7.13775E-05	7.4451E-05	2.25572E-05	5.36209E-05	7.96457E-05
3649	0.000114226	0.000105122	0.00023061	0.000136005	8.3558E-05	0.000112476	0.000104218	0.000243653	0.000136005	8.81798E-05
3650	0.000106898	9.83059E-05	0.000216739	0.000129163	8.54856E-05	0.000105735	9.79571E-05	0.000229283	0.000129163	9.02354E-05
3651	0.000101831	9.36934E-05	0.000205859	0.000123406	9.05797E-05	0.000100884	9.35188E-05	0.000217875	0.000123406	9.56753E-05
3652	0.000101352	9.32997E-05	0.000204285	0.000122912	9.80299E-05	0.000100498	9.32114E-05	0.000216245	0.000122912	0.000103633
3653	0.000109663	0.000100887	0.000221859	0.000133004	0.00010589	0.00010869	0.000100752	0.000234775	0.000133004	0.000112033
3654	0.000121579	0.00011178	0.000246849	0.000147014	0.000110799	0.000120309	0.000111448	0.000261065	0.000147014	0.000117172
3655	0.000132939	0.000121773	0.000275686	0.000162569	0.000205627	0.000131752	0.000121707	0.000291315	0.000162569	0.000205966
3656	0.000134489	0.00012286	0.000283149	0.000166441	0.000207829	0.000133664	0.000123251	0.000299078	0.000166441	0.000208211
3657	0.000137207	0.00012542	0.000287892	0.000169099	0.000209851	0.000136245	0.000125683	0.000304014	0.000169099	0.000210388
3658	0.000146783	0.000134096	0.000308976	0.000181047	0.00021112	0.000145697	0.000134329	0.000326269	0.000181047	0.000211753
3659	0.000160966	0.000146881	0.000341032	0.00019953	0.000213322	0.000159857	0.000147245	0.000360198	0.00019953	0.000214115
3660	0.000178373	0.000162475	0.00038161	0.000223885	0.000199266	0.000177636	0.000163427	0.000403353	0.000223885	0.000201195
3661	0.000185451	0.00016885	0.000397685	0.000233567	0.000198801	0.00018484	0.000170009	0.000420432	0.000233567	0.000200693
3662	0.000186886	0.000170111	0.000401336	0.000236393	0.00019426	0.000186533	0.000171557	0.000424425	0.000236393	0.000195843
3663	0.000185615	0.000169053	0.000397337	0.000234686	0.000201639	0.000185366	0.000170581	0.000420222	0.000234686	0.000201619
3664	0.000201132	0.000183057	0.000432205	0.000255105	0.00019423	0.000200942	0.000184812	0.000457163	0.000255105	0.000193691
3665	0.000210375	0.000191434	0.000452511	0.000266773	0.000189489	0.000210113	0.000193209	0.000478619	0.000266773	0.000188611
3666	0.000207015	0.000188859	0.000439123	0.000257049	0.000187011	0.000205672	0.000189419	0.00046385	0.000257049	0.000185948
3667	0.000202299	0.000185303	0.000419572	0.000241886	0.00015564	0.000199039	0.000183736	0.000442117	0.000241886	0.000156598
3668	0.000193694	0.00017791	0.000395474	0.000225763	0.000124146	0.00018938	0.000175111	0.000416039	0.000225763	0.000127256
3669	0.000186555	0.000171871	0.000374265	0.000212845	0.000105263	0.000181445	0.000168095	0.000393502	0.000212845	0.000109169
3670	0.000169244	0.000156419	0.000333195	0.000189865	8.71384E-05	0.000164038	0.000152311	0.000350313	0.000189865	9.20235E-05
3671	0.000148589	0.000137259	0.000293431	0.000168057	8.40567E-05	0.000144308	0.000133956	0.000308753	0.000168057	8.87265E-05
3672	0.000133319	0.000122925	0.000266195	0.000154761	8.11957E-05	0.000130392	0.000120932	0.000280662	0.000154761	8.56595E-05
3673	0.000114226	0.000105122	0.00023061	0.000136005	8.3558E-05	0.000112476	0.000104218	0.000243653	0.000136005	8.81798E-05
3674	0.000106898	9.83059E-05	0.000216739	0.000129163	8.54856E-05	0.000105735	9.79571E-05	0.000229283	0.000129163	9.02354E-05
3675	0.000101831	9.36934E-05	0.000205859	0.000123406	9.05797E-05	0.000100884	9.35188E-05	0.000217875	0.000123406	9.56753E-05
3676	0.000101352	9.32997E-05	0.000204285	0.000122912	9.80299E-05	0.000100498	9.32114E-05	0.000216245	0.000122912	0.000103633
3677	0.000109663	0.000100887	0.000221859	0.000133004	0.00010589	0.00010869	0.000100752	0.000234775	0.000133004	0.000112033
3678	0.000121579	0.00011178	0.000246849	0.000147014	0.000110799	0.000120309	0.000111448	0.000261065	0.000147014	0.000117172
3679	0.000132939	0.000121773	0.000275686	0.000162569	0.000205627	0.000131752	0.000121707	0.000291315	0.000162569	0.000205966
3680	0.000134489	0.00012286	0.000283149	0.000166441	0.000207829	0.000133664	0.000123251	0.000299078	0.000166441	0.000208211
3681	0.000137207	0.00012542	0.000287892	0.000169099	0.000209851	0.000136245	0.000125683	0.000304014	0.000169099	0.000210388
3682	0.000146783	0.000134096	0.000308976	0.000181047	0.00021112	0.000145697	0.000134329	0.000326269	0.000181047	0.000211753
3683	0.000160966	0.000146881	0.000341032	0.00019953	0.000213322	0.000159857	0.000147245	0.000360198	0.00019953	0.000214115
3684	0.000178373	0.000162475	0.00038161	0.000223885	0.000199266	0.000177636	0.000163427	0.000403353	0.000223885	0.000201195
3685	0.000185451	0.00016885	0.000397685	0.000233567	0.000198801	0.00018484	0.000170009	0.000420432	0.000233567	0.000200693
3686	0.000186886	0.000170111	0.000401336	0.000236393	0.00019426	0.000186533	0.000171557	0.000424425	0.000236393	0.000195843
3687	0.000185615	0.000169053	0.000397337	0.000234686	0.000201639	0.000185366	0.000170581	0.000420222	0.000234686	0.000201619
3688	0.000201132	0.000183057	0.000432205	0.000255105	0.00019423	0.000200942	0.000184812	0.000457163	0.000255105	0.000193691
3689	0.000210375	0.000191434	0.000452511	0.000266773	0.000189489	0.000210113	0.000193209	0.000478619	0.000266773	0.000188611
3690	0.000207015	0.000188859	0.000439123	0.000257049	0.000187011	0.000205672	0.000189419	0.00046385	0.000257049	0.000185948
3691	0.000202299	0.000185303	0.000419572	0.000241886	0.00015564	0.000199039	0.000183736	0.000442117	0.000241886	0.000156598
3692	0.000193694	0.00017791	0.000395474	0.000225763	0.000124146	0.00018938	0.000175111	0.000416039	0.000225763	0.000127256
3693	0.000186555	0.000171871	0.000374265	0.000212845	0.000105263	0.000181445	0.000168095	0.000393502	0.000212845	0.000109169
3694	0.000169244	0.000156419	0.000333195	0.000189865	8.71384E-05	0.000164038	0.000152311	0.000350313	0.000189865	9.20235E-05
3695	0.000148589	0.000137259	0.000293431	0.000168057	8.40567E-05	0.000144308	0.000133956	0.000308753	0.000168057	8.87265E-05
3696	0.000133319	0.000122925	0.000266195	0.000154761	8.11957E-05	0.000130392	0.000120932	0.000280662	0.000154761	8.56595E-05
3697	0.000114226	0.000105122	0.00023061	0.000136005	8.3558E-05	0.000112476	0.000104218	0.000243653	0.000136005	8.81798E-05
3698	0.000106898	9.83059E-05	0.000216739	0.000129163	8.54856E-05	0.000105735	9.79571E-05	0.000229283	0.000129163	9.02354E-05
3699	0.000101831	9.36934E-05	0.000205859	0.000123406	9.05797E-05	0.000100884	9.35188E-05	0.000217875	0.000123406	9.56753E-05
3700	0.000101352	9.32997E-05	0.000204285	0.000122912	9.80299E-05	0.000100498	9.32114E-05	0.000216245	0.000122912	0.000103633
3701	0.000109663	0.000100887	0.000221859	0.000133004	0.00010589	0.00010869	0.000100752	0.000234775	0.000133004	0.000112033
3702	0.000121579	0.00011178	0.000246849	0.000147014	0.000110799	0.000120309	0.000111448	0.000261065	0.000147014	0.000117172
3703	0.000132939	0.000121773	0.000275686	0.000162569	0.000205627	0.000131752	0.000121707	0.000291315	0.000162569	0.000205966
3704	0.000134489	0.00012286	0.000283149	0.000166441	0.000207829	0.000133664	0.000123251	0.000299078	0.000166441	0.000208211
3705	0.000137207	0.00012542	0.000287892	0.000169099	0.000209851	0.000136245	0.000125683	0.000304014	0.000169099	0.000210388
3706	0.000146783	0.000134096	0.000308976	0.000181047	0.00021112	0.000145697	0.000134329	0.000326269	0.000181047	0.000211753
3707	0.000160966	0.000146881	0.000341032	0.00019953	0.000213322	0.000159857	0.000147245	0.000360198	0.00019953	0.000214115
3708	0.000178373	0.000162475	0.00038161	0.000223885	0.000199266	0.000177636	0.000163427	0.000403353	0.000223885	0.000201195
3709	0.000185451	0.00016885	0.000397685	0.000233567	0.000198801	0.00018484	0.000170009	0.000420432	0.000233567	0.000200693
3710	0.000186886	0.000170111	0.000401336	0.000236393	0.00019426	0.000186533	0.000171557	0.000424425	0.000236393	0.000195843
3711	0.000185615	0.000169053	0.000397337	0.000234686	0.000201639	0.000185366	0.000170581	0.000420222	0.000234686	0.000201619
3712	0.000201132	0.000183057	0.000432205	0.000255105	0.00019423	0.000200942	0.000184812	0.000457163	0.000255105	0.000193691
3713	0.000210375	0.000191434	0.000452511	0.000266773	0.000189489	0.000210113	0.000193209	0.000478619	0.000266773	0.000188611
3714	0.000207015	0.000188859	0.000439123	0.000257049	0.000187011	0.000205672	0.000189419	0.00046385	0.000257049	0.000185948
3715	0.000202299	0.000185303	0.000419572	0.000241886	0.00015564	0.000199039	0.000183736	0.000442117	0.000241886	0.000156598

3716	0.000193694	0.00017791	0.000395474	0.000225763	0.000124146	0.00018938	0.000175111	0.000416039	0.000225763	0.000127256
3717	0.000186555	0.000171871	0.000374265	0.000212845	0.000105263	0.000181445	0.000168095	0.000393502	0.000212845	0.000109169
3718	0.000169244	0.000156419	0.000333195	0.000189865	8.71384E-05	0.000164038	0.000152311	0.000350313	0.000189865	9.20235E-05
3719	0.000148589	0.000137259	0.000293431	0.000168057	8.40567E-05	0.000144308	0.000133956	0.000308753	0.000168057	8.87265E-05
3720	0.000133319	0.000122925	0.000266195	0.000154761	8.11957E-05	0.000130392	0.000120932	0.000280662	0.000154761	8.56595E-05
3721	0.000114434	0.000105304	0.000231152	0.000136303	8.35427E-05	0.000112685	0.000104404	0.000244228	0.000136303	8.81638E-05
3722	0.00010699	9.83849E-05	0.000216996	0.000129298	8.54345E-05	0.000105827	9.80373E-05	0.000229556	0.000129298	9.01815E-05
3723	0.000101898	9.37518E-05	0.000206039	0.000123503	9.04833E-05	0.000100951	9.35783E-05	0.000218066	0.000123503	9.55732E-05
3724	0.000101315	9.32644E-05	0.000204233	0.000122869	9.79602E-05	0.00010046	9.31744E-05	0.000216189	0.000122869	0.000103558
3725	0.00010953	0.000100765	0.000221584	0.000132829	0.000105767	0.000108553	0.000100625	0.000234484	0.000132829	0.000111902
3726	0.00012117	0.000111415	0.000245876	0.00014645	0.000110652	0.000119896	0.000111074	0.000260032	0.00014645	0.000117017
3727	0.000134412	0.000123375	0.000275502	0.000162586	0.000205534	0.000132879	0.000122918	0.000291111	0.000162586	0.000205869
3728	0.00013438	0.000122763	0.000282886	0.000166289	0.000207742	0.000133554	0.000123151	0.000298799	0.000166289	0.000208122
3729	0.00013728	0.000125482	0.0002881	0.000169207	0.000209803	0.000136317	0.000125746	0.000304234	0.000169207	0.00021034
3730	0.000147767	0.000134977	0.000311281	0.000182397	0.000211133	0.000146692	0.000135233	0.000328716	0.000182397	0.000211772
3731	0.000162577	0.000148327	0.000344741	0.000201725	0.000213477	0.000161488	0.000148731	0.000364136	0.000201725	0.000214285
3732	0.000180168	0.000164095	0.000385648	0.00022631	0.000199425	0.000179458	0.000165093	0.00040764	0.00022631	0.000201369
3733	0.00018712	0.000170358	0.000401406	0.000235814	0.00019891	0.000186535	0.000171561	0.000424383	0.000235814	0.000200814
3734	0.000189858	0.00017279	0.000408042	0.000240412	0.00019432	0.000189547	0.000174313	0.000431544	0.000240412	0.000195911
3735	0.000188564	0.000171715	0.000403963	0.000238667	0.000201648	0.000188358	0.000173318	0.000427257	0.000238667	0.000201633
3736	0.000204365	0.000185976	0.000439446	0.000259464	0.000194416	0.000204223	0.000187816	0.000464851	0.000259464	0.000193894
3737	0.000214332	0.000194999	0.000461472	0.00027213	0.000189682	0.000214125	0.000196875	0.000488132	0.00027213	0.000188822
3738	0.000210758	0.000192231	0.000447609	0.000262119	0.000187268	0.000209467	0.000192886	0.000472859	0.000262119	0.000186226
3739	0.000205567	0.000188245	0.000427011	0.00024632	0.000155864	0.000202352	0.000186761	0.000450015	0.00024632	0.000156841
3740	0.000196468	0.000180407	0.000401784	0.000229525	0.000124352	0.000192192	0.000177678	0.000422738	0.000229525	0.00012748
3741	0.000187404	0.00017236	0.000379717	0.000215974	0.000105384	0.000182671	0.000169034	0.000399298	0.000215974	0.000109301
3742	0.000171034	0.000158028	0.000337297	0.000192299	8.72669E-05	0.000165851	0.000153964	0.000354668	0.000192299	9.21633E-05
3743	0.000150293	0.000138787	0.000297388	0.000170386	8.4143E-05	0.000146033	0.000135525	0.000312953	0.000170386	8.88217E-05
3744	0.000134683	0.000124159	0.000269214	0.000156591	8.13318E-05	0.000131777	0.000122202	0.000283867	0.000156591	8.58072E-05
3745	0.000114434	0.000105304	0.000231152	0.000136303	8.35427E-05	0.000112685	0.000104404	0.000244228	0.000136303	8.81638E-05
3746	0.00010699	9.83849E-05	0.000216996	0.000129298	8.54345E-05	0.000105827	9.80373E-05	0.000229556	0.000129298	9.01815E-05
3747	0.000101898	9.37518E-05	0.000206039	0.000123503	9.04833E-05	0.000100951	9.35783E-05	0.000218066	0.000123503	9.55732E-05
3748	0.000101315	9.32644E-05	0.000204233	0.000122869	9.79602E-05	0.00010046	9.31744E-05	0.000216189	0.000122869	0.000103558
3749	0.00010953	0.000100765	0.000221584	0.000132829	0.000105767	0.000108553	0.000100625	0.000234484	0.000132829	0.000111902
3750	0.00012117	0.000111415	0.000245876	0.00014645	0.000110652	0.000119896	0.000111074	0.000260032	0.00014645	0.000117017
3751	0.000134412	0.000123375	0.000275502	0.000162586	0.000205534	0.000132879	0.000122918	0.000291111	0.000162586	0.000205869
3752	0.00013438	0.000122763	0.000282886	0.000166289	0.000207742	0.000133554	0.000123151	0.000298799	0.000166289	0.000208122
3753	0.00013728	0.000125482	0.0002881	0.000169207	0.000209803	0.000136317	0.000125746	0.000304234	0.000169207	0.00021034
3754	0.000147767	0.000134977	0.000311281	0.000182397	0.000211133	0.000146692	0.000135233	0.000328716	0.000182397	0.000211772
3755	0.000162577	0.000148327	0.000344741	0.000201725	0.000213477	0.000161488	0.000148731	0.000364136	0.000201725	0.000214285
3756	0.000180168	0.000164095	0.000385648	0.00022631	0.000199425	0.000179458	0.000165093	0.00040764	0.00022631	0.000201369
3757	0.00018712	0.000170358	0.000401406	0.000235814	0.00019891	0.000186535	0.000171561	0.000424383	0.000235814	0.000200814
3758	0.000189858	0.00017279	0.000408042	0.000240412	0.00019432	0.000189547	0.000174313	0.000431544	0.000240412	0.000195911
3759	0.000188564	0.000171715	0.000403963	0.000238667	0.000201648	0.000188358	0.000173318	0.000427257	0.000238667	0.000201633
3760	0.000204365	0.000185976	0.000439446	0.000259464	0.000194416	0.000204223	0.000187816	0.000464851	0.000259464	0.000193894
3761	0.000214332	0.000194999	0.000461472	0.00027213	0.000189682	0.000214125	0.000196875	0.000488132	0.00027213	0.000188822
3762	0.000210758	0.000192231	0.000447609	0.000262119	0.000187268	0.000209467	0.000192886	0.000472859	0.000262119	0.000186226
3763	0.000205567	0.000188245	0.000427011	0.00024632	0.000155864	0.000202352	0.000186761	0.000450015	0.00024632	0.000156841
3764	0.000196468	0.000180407	0.000401784	0.000229525	0.000124352	0.000192192	0.000177678	0.000422738	0.000229525	0.00012748
3765	0.000187404	0.00017236	0.000379717	0.000215974	0.000105384	0.000182671	0.000169034	0.000399298	0.000215974	0.000109301
3766	0.000171034	0.000158028	0.000337297	0.000192299	8.72669E-05	0.000165851	0.000153964	0.000354668	0.000192299	9.21633E-05
3767	0.000150293	0.000138787	0.000297388	0.000170386	8.4143E-05	0.000146033	0.000135525	0.000312953	0.000170386	8.88217E-05
3768	0.000134683	0.000124159	0.000269214	0.000156591	8.13318E-05	0.000131777	0.000122202	0.000283867	0.000156591	8.58072E-05
3769	0.000114226	0.000105122	0.00023061	0.000136005	8.3558E-05	0.000112476	0.000104218	0.000243653	0.000136005	8.81798E-05
3770	0.000106898	9.83059E-05	0.000216739	0.000129163	8.54856E-05	0.000105735	9.79571E-05	0.000229283	0.000129163	9.02354E-05
3771	0.000101831	9.36934E-05	0.000205859	0.000123406	9.05797E-05	0.000100884	9.35188E-05	0.000217875	0.000123406	9.56753E-05
3772	0.000101352	9.32997E-05	0.000204285	0.000122912	9.80299E-05	0.000100498	9.32114E-05	0.000216245	0.000122912	0.000103633
3773	0.000109663	0.000100887	0.000221859	0.000133004	0.00010589	0.00010869	0.000100752	0.000234775	0.000133004	0.000112033
3774	0.000121579	0.00011178	0.000246849	0.000147014	0.000110799	0.000120309	0.000111448	0.000261065	0.000147014	0.000117172
3775	0.000132939	0.000121773	0.000275686	0.000162569	0.000205627	0.000131752	0.000121707	0.000291315	0.000162569	0.000205966
3776	0.000134489	0.00012286	0.000283149	0.000166441	0.000207829	0.000133664	0.000123251	0.000299078	0.000166441	0.000208211
3777	0.000137207	0.00012542	0.000287892	0.000169099	0.000209851	0.000136245	0.000125683	0.000304014	0.000169099	0.000210388
3778	0.000146783	0.000134096	0.000308976	0.000181047	0.00021112	0.000145697	0.000134329	0.000326269	0.000181047	0.000211753
3779	0.000160966	0.000146881	0.000341032	0.00019953	0.000213322	0.000159857	0.000147245	0.000360198	0.00019953	0.000214115
3780	0.000178373	0.000162475	0.00038161	0.000223885	0.000199266	0.000177636	0.000163427	0.000403353	0.000223885	0.000201195
3781	0.000185451	0.00016885	0.000397685	0.000233567	0.000198801	0.00018484	0.000170009	0.000420432	0.000233567	0.000200693
3782	0.000186886	0.000170111	0.000401336	0.000236393	0.00019426	0.000186533	0.000171557	0.000424425	0.000236393	0.000195843
3783	0.000185615	0.000169053	0.000397337	0.000234686	0.000201639	0.000185366	0.000170581	0.000420222	0.000234686	0.000201619
3784	0.000201132	0.000183057	0.000432205	0.000255105	0.00019423	0.000200942	0.000184812	0.000457163	0.000255105	0.000193691
3785	0.000210375	0.000191434	0.000452511	0.000266773	0.000189489	0.000210113	0.000193209	0.000478619	0.000266773	0.000188611
3786	0.000207015	0.000188859	0.000439123	0.000257049	0.000187011	0.000205672	0.000189419	0.00046385	0.000257049	0.000185948
3787	0.000202299	0.000185303	0.000419572	0.000241886	0.00015564	0.000199039	0.000183736	0.000442117	0.000241886	0.000156598
3788	0.000193694	0.00017791	0.000395474	0.000225763	0.000124146	0.00018938	0.000175111	0.000416039	0.000225763	0.000127256
3789	0.000186555	0.000171871	0.000374265	0.000212845	0.000105263	0.000181445	0.000168095	0.000393502	0.000212845	0.000109169
3790	0.000169244	0.000156419	0.000333195	0.000189865	8.71384E-05	0.000164038	0.000152311	0.000350313	0.000189865	9.20235E-05
3791	0.000148589	0.000137259	0.000293431	0.000168057	8.40567E-05	0.000144308	0.000133956	0.000308753	0.000168057	8.87265E-05

3792	0.000133319	0.000122925	0.000266195	0.000154761	8.11957E-05	0.000130392	0.000120932	0.000280662	0.000154761	8.56595E-05
3793	0.000114226	0.000105122	0.00023061	0.000136005	8.3558E-05	0.000112476	0.000104218	0.000243653	0.000136005	8.81798E-05
3794	0.000106898	9.83059E-05	0.000216739	0.000129163	8.54856E-05	0.000105735	9.79571E-05	0.000229283	0.000129163	9.02354E-05
3795	0.000101831	9.36934E-05	0.000205859	0.000123406	9.05797E-05	0.000100884	9.35188E-05	0.000217875	0.000123406	9.56753E-05
3796	0.000101352	9.32997E-05	0.000204285	0.000122912	9.80299E-05	0.000100498	9.32114E-05	0.000216245	0.000122912	0.000103633
3797	0.000109663	0.000100887	0.000221859	0.000133004	0.00010589	0.00010869	0.000100752	0.000234775	0.000133004	0.000112033
3798	0.000121579	0.00011178	0.000246849	0.000147014	0.000110799	0.000120309	0.000111448	0.000261065	0.000147014	0.000117172
3799	0.000132939	0.000121773	0.000275686	0.000162569	0.000205627	0.000131752	0.000121707	0.000291315	0.000162569	0.000205966
3800	0.000134489	0.00012286	0.000283149	0.000166441	0.000207829	0.000133664	0.000123251	0.000299078	0.000166441	0.000208211
3801	0.000137207	0.00012542	0.000287892	0.000169099	0.000209851	0.000136245	0.000125683	0.000304014	0.000169099	0.000210388
3802	0.000146783	0.000134096	0.000308976	0.000181047	0.00021112	0.000145697	0.000134329	0.000326269	0.000181047	0.000211753
3803	0.000160966	0.000146881	0.000341032	0.00019953	0.000213322	0.000159857	0.000147245	0.000360198	0.00019953	0.000214115
3804	0.000178373	0.000162475	0.00038161	0.000223885	0.000199266	0.000177636	0.000163427	0.000403353	0.000223885	0.000201195
3805	0.000185451	0.00016885	0.000397685	0.000233567	0.000198801	0.00018484	0.000170009	0.000420432	0.000233567	0.000200693
3806	0.000186886	0.000170111	0.000401336	0.000236393	0.00019426	0.000186533	0.000171557	0.000424425	0.000236393	0.000195843
3807	0.000185615	0.000169053	0.000397337	0.000234686	0.000201639	0.000185366	0.000170581	0.000420222	0.000234686	0.000201619
3808	0.000201132	0.000183057	0.000432205	0.000255105	0.00019423	0.000200942	0.000184812	0.000457163	0.000255105	0.000193691
3809	0.000210375	0.000191434	0.000452511	0.000266773	0.000189489	0.000210113	0.000193209	0.000478619	0.000266773	0.000188611
3810	0.000207015	0.000188859	0.000439123	0.000257049	0.000187011	0.000205672	0.000189419	0.00046385	0.000257049	0.000185948
3811	0.000202299	0.000185303	0.000419572	0.000241886	0.00015564	0.000199039	0.000183736	0.000442117	0.000241886	0.000156598
3812	0.000193694	0.00017791	0.000395474	0.000225763	0.000124146	0.00018938	0.000175111	0.000416039	0.000225763	0.000127256
3813	0.000186555	0.000171871	0.000374265	0.000212845	0.000105263	0.000181445	0.000168095	0.000393502	0.000212845	0.000109169
3814	0.000169244	0.000156419	0.000333195	0.000189865	8.71384E-05	0.000164038	0.000152311	0.000350313	0.000189865	9.20235E-05
3815	0.000148589	0.000137259	0.000293431	0.000168057	8.40567E-05	0.000144308	0.000133956	0.000308753	0.000168057	8.87265E-05
3816	0.000133319	0.000122925	0.000266195	0.000154761	8.11957E-05	0.000130392	0.000120932	0.000280662	0.000154761	8.56595E-05
3817	0.000114226	0.000105122	0.00023061	0.000136005	8.3558E-05	0.000112476	0.000104218	0.000243653	0.000136005	8.81798E-05
3818	0.000106898	9.83059E-05	0.000216739	0.000129163	8.54856E-05	0.000105735	9.79571E-05	0.000229283	0.000129163	9.02354E-05
3819	0.000101831	9.36934E-05	0.000205859	0.000123406	9.05797E-05	0.000100884	9.35188E-05	0.000217875	0.000123406	9.56753E-05
3820	0.000101352	9.32997E-05	0.000204285	0.000122912	9.80299E-05	0.000100498	9.32114E-05	0.000216245	0.000122912	0.000103633
3821	0.000109663	0.000100887	0.000221859	0.000133004	0.00010589	0.00010869	0.000100752	0.000234775	0.000133004	0.000112033
3822	0.000121579	0.00011178	0.000246849	0.000147014	0.000110799	0.000120309	0.000111448	0.000261065	0.000147014	0.000117172
3823	0.000132939	0.000121773	0.000275686	0.000162569	0.000205627	0.000131752	0.000121707	0.000291315	0.000162569	0.000205966
3824	0.000134489	0.00012286	0.000283149	0.000166441	0.000207829	0.000133664	0.000123251	0.000299078	0.000166441	0.000208211
3825	0.000137207	0.00012542	0.000287892	0.000169099	0.000209851	0.000136245	0.000125683	0.000304014	0.000169099	0.000210388
3826	0.000146783	0.000134096	0.000308976	0.000181047	0.00021112	0.000145697	0.000134329	0.000326269	0.000181047	0.000211753
3827	0.000160966	0.000146881	0.000341032	0.00019953	0.000213322	0.000159857	0.000147245	0.000360198	0.00019953	0.000214115
3828	0.000178373	0.000162475	0.00038161	0.000223885	0.000199266	0.000177636	0.000163427	0.000403353	0.000223885	0.000201195
3829	0.000185451	0.00016885	0.000397685	0.000233567	0.000198801	0.00018484	0.000170009	0.000420432	0.000233567	0.000200693
3830	0.000186886	0.000170111	0.000401336	0.000236393	0.00019426	0.000186533	0.000171557	0.000424425	0.000236393	0.000195843
3831	0.000185615	0.000169053	0.000397337	0.000234686	0.000201639	0.000185366	0.000170581	0.000420222	0.000234686	0.000201619
3832	0.000201132	0.000183057	0.000432205	0.000255105	0.00019423	0.000200942	0.000184812	0.000457163	0.000255105	0.000193691
3833	0.000210375	0.000191434	0.000452511	0.000266773	0.000189489	0.000210113	0.000193209	0.000478619	0.000266773	0.000188611
3834	0.000207015	0.000188859	0.000439123	0.000257049	0.000187011	0.000205672	0.000189419	0.00046385	0.000257049	0.000185948
3835	0.000202299	0.000185303	0.000419572	0.000241886	0.00015564	0.000199039	0.000183736	0.000442117	0.000241886	0.000156598
3836	0.000193694	0.00017791	0.000395474	0.000225763	0.000124146	0.00018938	0.000175111	0.000416039	0.000225763	0.000127256
3837	0.000186555	0.000171871	0.000374265	0.000212845	0.000105263	0.000181445	0.000168095	0.000393502	0.000212845	0.000109169
3838	0.000169244	0.000156419	0.000333195	0.000189865	8.71384E-05	0.000164038	0.000152311	0.000350313	0.000189865	9.20235E-05
3839	0.000148589	0.000137259	0.000293431	0.000168057	8.40567E-05	0.000144308	0.000133956	0.000308753	0.000168057	8.87265E-05
3840	0.000133319	0.000122925	0.000266195	0.000154761	8.11957E-05	0.000130392	0.000120932	0.000280662	0.000154761	8.56595E-05
3841	0.000114226	0.000105122	0.00023061	0.000136005	8.3558E-05	0.000112476	0.000104218	0.000243653	0.000136005	8.81798E-05
3842	0.000106898	9.83059E-05	0.000216739	0.000129163	8.54856E-05	0.000105735	9.79571E-05	0.000229283	0.000129163	9.02354E-05
3843	0.000101831	9.36934E-05	0.000205859	0.000123406	9.05797E-05	0.000100884	9.35188E-05	0.000217875	0.000123406	9.56753E-05
3844	0.000101352	9.32997E-05	0.000204285	0.000122912	9.80299E-05	0.000100498	9.32114E-05	0.000216245	0.000122912	0.000103633
3845	0.000109663	0.000100887	0.000221859	0.000133004	0.00010589	0.00010869	0.000100752	0.000234775	0.000133004	0.000112033
3846	0.000121579	0.00011178	0.000246849	0.000147014	0.000110799	0.000120309	0.000111448	0.000261065	0.000147014	0.000117172
3847	0.000132939	0.000121773	0.000275686	0.000162569	0.000205627	0.000131752	0.000121707	0.000291315	0.000162569	0.000205966
3848	0.000134489	0.00012286	0.000283149	0.000166441	0.000207829	0.000133664	0.000123251	0.000299078	0.000166441	0.000208211
3849	0.000137207	0.00012542	0.000287892	0.000169099	0.000209851	0.000136245	0.000125683	0.000304014	0.000169099	0.000210388
3850	0.000146783	0.000134096	0.000308976	0.000181047	0.00021112	0.000145697	0.000134329	0.000326269	0.000181047	0.000211753
3851	0.000160966	0.000146881	0.000341032	0.00019953	0.000213322	0.000159857	0.000147245	0.000360198	0.00019953	0.000214115
3852	0.000178373	0.000162475	0.00038161	0.000223885	0.000199266	0.000177636	0.000163427	0.000403353	0.000223885	0.000201195
3853	0.000185451	0.00016885	0.000397685	0.000233567	0.000198801	0.00018484	0.000170009	0.000420432	0.000233567	0.000200693
3854	0.000186886	0.000170111	0.000401336	0.000236393	0.00019426	0.000186533	0.000171557	0.000424425	0.000236393	0.000195843
3855	0.000185615	0.000169053	0.000397337	0.000234686	0.000201639	0.000185366	0.000170581	0.000420222	0.000234686	0.000201619
3856	0.000201132	0.000183057	0.000432205	0.000255105	0.00019423	0.000200942	0.000184812	0.000457163	0.000255105	0.000193691
3857	0.000210375	0.000191434	0.000452511	0.000266773	0.000189489	0.000210113	0.000193209	0.000478619	0.000266773	0.000188611
3858	0.000207015	0.000188859	0.000439123	0.000257049	0.000187011	0.000205672	0.000189419	0.00046385	0.000257049	0.000185948
3859	0.000202299	0.000185303	0.000419572	0.000241886	0.00015564	0.000199039	0.000183736	0.000442117	0.000241886	0.000156598
3860	0.000193694	0.00017791	0.000395474	0.000225763	0.000124146	0.00018938	0.000175111	0.000416039	0.000225763	0.000127256
3861	0.000186555	0.000171871	0.000374265	0.000212845	0.000105263	0.000181445	0.000168095	0.000393502	0.000212845	0.000109169
3862	0.000169244	0.000156419	0.000333195	0.000189865	8.71384E-05	0.000164038	0.000152311	0.000350313	0.000189865	9.20235E-05
3863	0.000148589	0.000137259	0.000293431	0.000168057	8.40567E-05	0.000144308	0.000133956	0.000308753	0.000168057	8.87265E-05
3864	0.000133319	0.000122925	0.000266195	0.000154761	8.11957E-05	0.000130392	0.000120932	0.000280662	0.000154761	8.56595E-05
3865	0.000114226	0.000105122	0.00023061	0.000136005	8.3558E-05	0.000112476	0.000104218	0.000243653	0.000136005	8.81798E-05
3866	0.000106898	9.83059E-05	0.000216739	0.000129163	8.54856E-05	0.000105735	9.79571E-05	0.000229283	0.000129163	9.02354E-05
3867	0.000101831	9.36934E-05	0.000205859	0.000123406	9.05797E-05	0.000100884	9.35188E-05	0.000217875	0.000123406	9.56753E-05

3868	0.000101352	9.32997E-05	0.000204285	0.000122912	9.80299E-05	0.000100498	9.32114E-05	0.000216245	0.000122912	0.000103633
3869	0.000109663	0.000100887	0.000221859	0.000133004	0.00010589	0.00010869	0.000100752	0.000234775	0.000133004	0.000112033
3870	0.000121579	0.00011178	0.000246849	0.000147014	0.000110799	0.000120309	0.000111448	0.000261065	0.000147014	0.000117172
3871	0.000132939	0.000121773	0.000275686	0.000162569	0.000205627	0.000131752	0.000121707	0.000291315	0.000162569	0.000205966
3872	0.000134489	0.00012286	0.000283149	0.000166441	0.000207829	0.000133664	0.000123251	0.000299078	0.000166441	0.000208211
3873	0.000137207	0.00012542	0.000287892	0.000169099	0.000209851	0.000136245	0.000125683	0.000304014	0.000169099	0.000210388
3874	0.000146783	0.000134096	0.000308976	0.000181047	0.00021112	0.000145697	0.000134329	0.000326269	0.000181047	0.000211753
3875	0.000160966	0.000146881	0.000341032	0.00019953	0.000213322	0.000159857	0.000147245	0.000360198	0.00019953	0.000214115
3876	0.000178373	0.000162475	0.00038161	0.000223885	0.000199266	0.000177636	0.000163427	0.000403353	0.000223885	0.000201195
3877	0.000185451	0.00016885	0.000397685	0.000233567	0.000198801	0.00018484	0.000170009	0.000420432	0.000233567	0.000200693
3878	0.000186886	0.000170111	0.000401336	0.000236393	0.00019426	0.000186533	0.000171557	0.000424425	0.000236393	0.000195843
3879	0.000185615	0.000169053	0.000397337	0.000234686	0.000201639	0.000185366	0.000170581	0.000420222	0.000234686	0.000201619
3880	0.000201132	0.000183057	0.000432205	0.000255105	0.00019423	0.000200942	0.000184812	0.000457163	0.000255105	0.000193691
3881	0.000210375	0.000191434	0.000452511	0.000266773	0.000189489	0.000210113	0.000193209	0.000478619	0.000266773	0.000188611
3882	0.000207015	0.000188859	0.000439123	0.000257049	0.000187011	0.000205672	0.000189419	0.00046385	0.000257049	0.000185948
3883	0.000202299	0.000185303	0.000419572	0.000241886	0.00015564	0.000199039	0.000183736	0.000442117	0.000241886	0.000156598
3884	0.000193694	0.00017791	0.000395474	0.000225763	0.000124146	0.00018938	0.000175111	0.000416039	0.000225763	0.000127256
3885	0.000186555	0.000171871	0.000374265	0.000212845	0.000105263	0.000181445	0.000168095	0.000393502	0.000212845	0.000109169
3886	0.000169244	0.000156419	0.000333195	0.000189865	8.71384E-05	0.000164038	0.000152311	0.000350313	0.000189865	9.20235E-05
3887	0.000148589	0.000137259	0.000293431	0.000168057	8.40567E-05	0.000144308	0.000133956	0.000308753	0.000168057	8.87265E-05
3888	0.000133319	0.000122925	0.000266195	0.000154761	8.11957E-05	0.000130392	0.000120932	0.000280662	0.000154761	8.56595E-05
3889	0.000114434	0.000105304	0.000231152	0.000136303	8.35427E-05	0.000112685	0.000104404	0.000244228	0.000136303	8.81638E-05
3890	0.00010699	9.83849E-05	0.000216996	0.000129298	8.54345E-05	0.000105827	9.80373E-05	0.000229556	0.000129298	9.01815E-05
3891	0.000101898	9.37518E-05	0.000206039	0.000123503	9.04833E-05	0.000100951	9.35783E-05	0.000218066	0.000123503	9.55732E-05
3892	0.000101315	9.32644E-05	0.000204233	0.000122869	9.79602E-05	0.00010046	9.31744E-05	0.000216189	0.000122869	0.000103558
3893	0.00010953	0.000100765	0.000221584	0.000132829	0.000105767	0.000108553	0.000100625	0.000234484	0.000132829	0.000111902
3894	0.00012117	0.000111415	0.000245876	0.00014645	0.000110652	0.000119896	0.000111074	0.000260032	0.00014645	0.000117017
3895	0.000134412	0.000123375	0.000275502	0.000162586	0.000205534	0.000132879	0.000122918	0.000291111	0.000162586	0.000205869
3896	0.00013438	0.000122763	0.000282886	0.000166289	0.000207742	0.000133554	0.000123151	0.000298799	0.000166289	0.000208122
3897	0.00013728	0.000125482	0.0002881	0.000169207	0.000209803	0.000136317	0.000125746	0.000304234	0.000169207	0.00021034
3898	0.000147767	0.000134977	0.000311281	0.000182397	0.000211133	0.000146692	0.000135233	0.000328716	0.000182397	0.000211772
3899	0.000162577	0.000148327	0.000344741	0.000201725	0.000213477	0.000161488	0.000148731	0.000364136	0.000201725	0.000214285
3900	0.000180168	0.000164095	0.000385648	0.00022631	0.000199425	0.000179458	0.000165093	0.00040764	0.00022631	0.000201369
3901	0.00018712	0.000170358	0.000401406	0.000235814	0.00019891	0.000186535	0.000171561	0.000424383	0.000235814	0.000200814
3902	0.000189858	0.00017279	0.000408042	0.000240412	0.00019432	0.000189547	0.000174313	0.000431544	0.000240412	0.000195911
3903	0.000188564	0.000171715	0.000403963	0.000238667	0.000201648	0.000188358	0.000173318	0.000427257	0.000238667	0.000201633
3904	0.000204365	0.000185976	0.000439446	0.000259464	0.000194416	0.000204223	0.000187816	0.000464851	0.000259464	0.000193894
3905	0.000214332	0.000194999	0.000461472	0.00027213	0.000189682	0.000214125	0.000196875	0.000488132	0.00027213	0.000188822
3906	0.000210758	0.000192231	0.000447609	0.000262119	0.000187268	0.000209467	0.000192886	0.000472859	0.000262119	0.000186226
3907	0.000205567	0.000188245	0.000427011	0.00024632	0.000155864	0.000202352	0.000186761	0.000450015	0.00024632	0.000156841
3908	0.000196468	0.000180407	0.000401784	0.000229525	0.000124352	0.000192192	0.000177678	0.000422738	0.000229525	0.00012748
3909	0.000187404	0.00017236	0.000379717	0.000215974	0.000105384	0.000182671	0.000169034	0.000399298	0.000215974	0.000109301
3910	0.000171034	0.000158028	0.000337297	0.000192299	8.72669E-05	0.000165851	0.000153964	0.000354668	0.000192299	9.21633E-05
3911	0.000150293	0.000138787	0.000297388	0.000170386	8.4143E-05	0.000146033	0.000135525	0.000312953	0.000170386	8.88217E-05
3912	0.000134683	0.000124159	0.000269214	0.000156591	8.13318E-05	0.000131777	0.000122202	0.000283867	0.000156591	8.58072E-05
3913	0.000114434	0.000105304	0.000231152	0.000136303	8.35427E-05	0.000112685	0.000104404	0.000244228	0.000136303	8.81638E-05
3914	0.00010699	9.83849E-05	0.000216996	0.000129298	8.54345E-05	0.000105827	9.80373E-05	0.000229556	0.000129298	9.01815E-05
3915	0.000101898	9.37518E-05	0.000206039	0.000123503	9.04833E-05	0.000100951	9.35783E-05	0.000218066	0.000123503	9.55732E-05
3916	0.000101315	9.32644E-05	0.000204233	0.000122869	9.79602E-05	0.00010046	9.31744E-05	0.000216189	0.000122869	0.000103558
3917	0.00010953	0.000100765	0.000221584	0.000132829	0.000105767	0.000108553	0.000100625	0.000234484	0.000132829	0.000111902
3918	0.00012117	0.000111415	0.000245876	0.00014645	0.000110652	0.000119896	0.000111074	0.000260032	0.00014645	0.000117017
3919	0.000134412	0.000123375	0.000275502	0.000162586	0.000205534	0.000132879	0.000122918	0.000291111	0.000162586	0.000205869
3920	0.00013438	0.000122763	0.000282886	0.000166289	0.000207742	0.000133554	0.000123151	0.000298799	0.000166289	0.000208122
3921	0.00013728	0.000125482	0.0002881	0.000169207	0.000209803	0.000136317	0.000125746	0.000304234	0.000169207	0.00021034
3922	0.000147767	0.000134977	0.000311281	0.000182397	0.000211133	0.000146692	0.000135233	0.000328716	0.000182397	0.000211772
3923	0.000162577	0.000148327	0.000344741	0.000201725	0.000213477	0.000161488	0.000148731	0.000364136	0.000201725	0.000214285
3924	0.000180168	0.000164095	0.000385648	0.00022631	0.000199425	0.000179458	0.000165093	0.00040764	0.00022631	0.000201369
3925	0.00018712	0.000170358	0.000401406	0.000235814	0.00019891	0.000186535	0.000171561	0.000424383	0.000235814	0.000200814
3926	0.000189858	0.00017279	0.000408042	0.000240412	0.00019432	0.000189547	0.000174313	0.000431544	0.000240412	0.000195911
3927	0.000188564	0.000171715	0.000403963	0.000238667	0.000201648	0.000188358	0.000173318	0.000427257	0.000238667	0.000201633
3928	0.000204365	0.000185976	0.000439446	0.000259464	0.000194416	0.000204223	0.000187816	0.000464851	0.000259464	0.000193894
3929	0.000214332	0.000194999	0.000461472	0.00027213	0.000189682	0.000214125	0.000196875	0.000488132	0.00027213	0.000188822
3930	0.000210758	0.000192231	0.000447609	0.000262119	0.000187268	0.000209467	0.000192886	0.000472859	0.000262119	0.000186226
3931	0.000205567	0.000188245	0.000427011	0.00024632	0.000155864	0.000202352	0.000186761	0.000450015	0.00024632	0.000156841
3932	0.000196468	0.000180407	0.000401784	0.000229525	0.000124352	0.000192192	0.000177678	0.000422738	0.000229525	0.00012748
3933	0.000187404	0.00017236	0.000379717	0.000215974	0.000105384	0.000182671	0.000169034	0.000399298	0.000215974	0.000109301
3934	0.000171034	0.000158028	0.000337297	0.000192299	8.72669E-05	0.000165851	0.000153964	0.000354668	0.000192299	9.21633E-05
3935	0.000150293	0.000138787	0.000297388	0.000170386	8.4143E-05	0.000146033	0.000135525	0.000312953	0.000170386	8.88217E-05
3936	0.000134683	0.000124159	0.000269214	0.000156591	8.13318E-05	0.000131777	0.000122202	0.000283867	0.000156591	8.58072E-05
3937	0.000114226	0.000105122	0.00023061	0.000136005	8.3558E-05	0.000112476	0.000104218	0.000243653	0.000136005	8.81798E-05
3938	0.000106898	9.83059E-05	0.000216739	0.000129163	8.54856E-05	0.000105735	9.79571E-05	0.000229283	0.000129163	9.02354E-05
3939	0.000101831	9.36934E-05	0.000205859	0.000123406	9.05797E-05	0.000100884	9.35188E-05	0.000217875	0.000123406	9.56753E-05
3940	0.000101352	9.32997E-05	0.000204285	0.000122912	9.80299E-05	0.000100498	9.32114E-05	0.000216245	0.000122912	0.000103633
3941	0.000109663	0.000100887	0.000221859	0.000133004	0.00010589	0.00010869	0.000100752	0.000234775	0.000133004	0.000112033
3942	0.000121579	0.00011178	0.000246849	0.000147014	0.000110799	0.000120309	0.000111448	0.000261065	0.000147014	0.000117172
3943	0.000132939	0.000121773	0.000275686	0.000162569	0.000205627	0.000131752	0.000121707	0.000291315	0.000162569	0.000205966

3944	0.000134489	0.00012286	0.000283149	0.000166441	0.000207829	0.000133664	0.000123251	0.000299078	0.000166441	0.000208211
3945	0.000137207	0.00012542	0.000287892	0.000169099	0.000209851	0.000136245	0.000125683	0.000304014	0.000169099	0.000210388
3946	0.000146783	0.000134096	0.000308976	0.000181047	0.00021112	0.000145697	0.000134329	0.000326269	0.000181047	0.000211753
3947	0.000160966	0.000146881	0.000341032	0.00019953	0.000213322	0.000159857	0.000147245	0.000360198	0.00019953	0.000214115
3948	0.000178373	0.000162475	0.00038161	0.000223885	0.000199266	0.000177636	0.000163427	0.000403353	0.000223885	0.000201195
3949	0.000185451	0.00016885	0.000397685	0.000233567	0.000198801	0.00018484	0.000170009	0.000420432	0.000233567	0.000200693
3950	0.000186886	0.000170111	0.000401336	0.000236393	0.00019426	0.000186533	0.000171557	0.000424425	0.000236393	0.000195843
3951	0.000185615	0.000169053	0.000397337	0.000234686	0.000201639	0.000185366	0.000170581	0.000420222	0.000234686	0.000201619
3952	0.000201132	0.000183057	0.000432205	0.000255105	0.00019423	0.000200942	0.000184812	0.000457163	0.000255105	0.000193691
3953	0.000210375	0.000191434	0.000452511	0.000266773	0.000189489	0.000210113	0.000193209	0.000478619	0.000266773	0.000188611
3954	0.000207015	0.000188859	0.000439123	0.000257049	0.000187011	0.000205672	0.000189419	0.00046385	0.000257049	0.000185948
3955	0.000202299	0.000185303	0.000419572	0.000241886	0.00015564	0.000199039	0.000183736	0.000442117	0.000241886	0.000156598
3956	0.000193694	0.00017791	0.000395474	0.000225763	0.000124146	0.00018938	0.000175111	0.000416039	0.000225763	0.000127256
3957	0.000186555	0.000171871	0.000374265	0.000212845	0.000105263	0.000181445	0.000168095	0.000393502	0.000212845	0.000109169
3958	0.000169244	0.000156419	0.000333195	0.000189865	8.71384E-05	0.000164038	0.000152311	0.000350313	0.000189865	9.20235E-05
3959	0.000148589	0.000137259	0.000293431	0.000168057	8.40567E-05	0.000144308	0.000133956	0.000308753	0.000168057	8.87265E-05
3960	0.000133319	0.000122925	0.000266195	0.000154761	8.11957E-05	0.000130392	0.000120932	0.000280662	0.000154761	8.56595E-05
3961	0.000114226	0.000105122	0.00023061	0.000136005	8.3558E-05	0.000112476	0.000104218	0.000243653	0.000136005	8.81798E-05
3962	0.000106898	9.83059E-05	0.000216739	0.000129163	8.54856E-05	0.000105735	9.79571E-05	0.000229283	0.000129163	9.02354E-05
3963	0.000101831	9.36934E-05	0.000205859	0.000123406	9.05797E-05	0.000100884	9.35188E-05	0.000217875	0.000123406	9.56753E-05
3964	0.000101352	9.32997E-05	0.000204285	0.000122912	9.80299E-05	0.000100498	9.32114E-05	0.000216245	0.000122912	0.000103633
3965	0.000109663	0.000100887	0.000221859	0.000133004	0.00010589	0.00010869	0.000100752	0.000234775	0.000133004	0.000112033
3966	0.000121579	0.00011178	0.000246849	0.000147014	0.000110799	0.000120309	0.000111448	0.000261065	0.000147014	0.000117172
3967	0.000132939	0.000121773	0.000275686	0.000162569	0.000205627	0.000131752	0.000121707	0.000291315	0.000162569	0.000205966
3968	0.000134489	0.00012286	0.000283149	0.000166441	0.000207829	0.000133664	0.000123251	0.000299078	0.000166441	0.000208211
3969	0.000137207	0.00012542	0.000287892	0.000169099	0.000209851	0.000136245	0.000125683	0.000304014	0.000169099	0.000210388
3970	0.000146783	0.000134096	0.000308976	0.000181047	0.00021112	0.000145697	0.000134329	0.000326269	0.000181047	0.000211753
3971	0.000160966	0.000146881	0.000341032	0.00019953	0.000213322	0.000159857	0.000147245	0.000360198	0.00019953	0.000214115
3972	0.000178373	0.000162475	0.00038161	0.000223885	0.000199266	0.000177636	0.000163427	0.000403353	0.000223885	0.000201195
3973	0.000185451	0.00016885	0.000397685	0.000233567	0.000198801	0.00018484	0.000170009	0.000420432	0.000233567	0.000200693
3974	0.000186886	0.000170111	0.000401336	0.000236393	0.00019426	0.000186533	0.000171557	0.000424425	0.000236393	0.000195843
3975	0.000185615	0.000169053	0.000397337	0.000234686	0.000201639	0.000185366	0.000170581	0.000420222	0.000234686	0.000201619
3976	0.000201132	0.000183057	0.000432205	0.000255105	0.00019423	0.000200942	0.000184812	0.000457163	0.000255105	0.000193691
3977	0.000210375	0.000191434	0.000452511	0.000266773	0.000189489	0.000210113	0.000193209	0.000478619	0.000266773	0.000188611
3978	0.000207015	0.000188859	0.000439123	0.000257049	0.000187011	0.000205672	0.000189419	0.00046385	0.000257049	0.000185948
3979	0.000202299	0.000185303	0.000419572	0.000241886	0.00015564	0.000199039	0.000183736	0.000442117	0.000241886	0.000156598
3980	0.000193694	0.00017791	0.000395474	0.000225763	0.000124146	0.00018938	0.000175111	0.000416039	0.000225763	0.000127256
3981	0.000186555	0.000171871	0.000374265	0.000212845	0.000105263	0.000181445	0.000168095	0.000393502	0.000212845	0.000109169
3982	0.000169244	0.000156419	0.000333195	0.000189865	8.71384E-05	0.000164038	0.000152311	0.000350313	0.000189865	9.20235E-05
3983	0.000148589	0.000137259	0.000293431	0.000168057	8.40567E-05	0.000144308	0.000133956	0.000308753	0.000168057	8.87265E-05
3984	0.000133319	0.000122925	0.000266195	0.000154761	8.11957E-05	0.000130392	0.000120932	0.000280662	0.000154761	8.56595E-05
3985	0.000114226	0.000105122	0.00023061	0.000136005	8.3558E-05	0.000112476	0.000104218	0.000243653	0.000136005	8.81798E-05
3986	0.000106898	9.83059E-05	0.000216739	0.000129163	8.54856E-05	0.000105735	9.79571E-05	0.000229283	0.000129163	9.02354E-05
3987	0.000101831	9.36934E-05	0.000205859	0.000123406	9.05797E-05	0.000100884	9.35188E-05	0.000217875	0.000123406	9.56753E-05
3988	0.000101352	9.32997E-05	0.000204285	0.000122912	9.80299E-05	0.000100498	9.32114E-05	0.000216245	0.000122912	0.000103633
3989	0.000109663	0.000100887	0.000221859	0.000133004	0.00010589	0.00010869	0.000100752	0.000234775	0.000133004	0.000112033
3990	0.000121579	0.00011178	0.000246849	0.000147014	0.000110799	0.000120309	0.000111448	0.000261065	0.000147014	0.000117172
3991	0.000132939	0.000121773	0.000275686	0.000162569	0.000205627	0.000131752	0.000121707	0.000291315	0.000162569	0.000205966
3992	0.000134489	0.00012286	0.000283149	0.000166441	0.000207829	0.000133664	0.000123251	0.000299078	0.000166441	0.000208211
3993	0.000137207	0.00012542	0.000287892	0.000169099	0.000209851	0.000136245	0.000125683	0.000304014	0.000169099	0.000210388
3994	0.000146783	0.000134096	0.000308976	0.000181047	0.00021112	0.000145697	0.000134329	0.000326269	0.000181047	0.000211753
3995	0.000160966	0.000146881	0.000341032	0.00019953	0.000213322	0.000159857	0.000147245	0.000360198	0.00019953	0.000214115
3996	0.000178373	0.000162475	0.00038161	0.000223885	0.000199266	0.000177636	0.000163427	0.000403353	0.000223885	0.000201195
3997	0.000185451	0.00016885	0.000397685	0.000233567	0.000198801	0.00018484	0.000170009	0.000420432	0.000233567	0.000200693
3998	0.000186886	0.000170111	0.000401336	0.000236393	0.00019426	0.000186533	0.000171557	0.000424425	0.000236393	0.000195843
3999	0.000185615	0.000169053	0.000397337	0.000234686	0.000201639	0.000185366	0.000170581	0.000420222	0.000234686	0.000201619
4000	0.000201132	0.000183057	0.000432205	0.000255105	0.00019423	0.000200942	0.000184812	0.000457163	0.000255105	0.000193691
4001	0.000210375	0.000191434	0.000452511	0.000266773	0.000189489	0.000210113	0.000193209	0.000478619	0.000266773	0.000188611
4002	0.000207015	0.000188859	0.000439123	0.000257049	0.000187011	0.000205672	0.000189419	0.00046385	0.000257049	0.000185948
4003	0.000202299	0.000185303	0.000419572	0.000241886	0.00015564	0.000199039	0.000183736	0.000442117	0.000241886	0.000156598
4004	0.000193694	0.00017791	0.000395474	0.000225763	0.000124146	0.00018938	0.000175111	0.000416039	0.000225763	0.000127256
4005	0.000186555	0.000171871	0.000374265	0.000212845	0.000105263	0.000181445	0.000168095	0.000393502	0.000212845	0.000109169
4006	0.000169244	0.000156419	0.000333195	0.000189865	8.71384E-05	0.000164038	0.000152311	0.000350313	0.000189865	9.20235E-05
4007	0.000148589	0.000137259	0.000293431	0.000168057	8.40567E-05	0.000144308	0.000133956	0.000308753	0.000168057	8.87265E-05
4008	0.000133319	0.000122925	0.000266195	0.000154761	8.11957E-05	0.000130392	0.000120932	0.000280662	0.000154761	8.56595E-05
4009	0.000114226	0.000105122	0.00023061	0.000136005	8.3558E-05	0.000112476	0.000104218	0.000243653	0.000136005	8.81798E-05
4010	0.000106898	9.83059E-05	0.000216739	0.000129163	8.54856E-05	0.000105735	9.79571E-05	0.000229283	0.000129163	9.02354E-05
4011	0.000101831	9.36934E-05	0.000205859	0.000123406	9.05797E-05	0.000100884	9.35188E-05	0.000217875	0.000123406	9.56753E-05
4012	0.000101352	9.32997E-05	0.000204285	0.000122912	9.80299E-05	0.000100498	9.32114E-05	0.000216245	0.000122912	0.000103633
4013	0.000109663	0.000100887	0.000221859	0.000133004	0.00010589	0.00010869	0.000100752	0.000234775	0.000133004	0.000112033
4014	0.000121579	0.00011178	0.000246849	0.000147014	0.000110799	0.000120309	0.000111448	0.000261065	0.000147014	0.000117172
4015	0.000132939	0.000121773	0.000275686	0.000162569	0.000205627	0.000131752	0.000121707	0.000291315	0.000162569	0.000205966
4016	0.000134489	0.00012286	0.000283149	0.000166441	0.000207829	0.000133664	0.000123251	0.000299078	0.000166441	0.000208211
4017	0.000137207	0.00012542	0.000287892	0.000169099	0.000209851	0.000136245	0.000125683	0.000304014	0.000169099	0.000210388
4018	0.000146783	0.000134096	0.000308976	0.000181047	0.00021112	0.000145697	0.000134329	0.000326269	0.000181047	0.000211753
4019	0.000160966	0.000146881	0.000341032	0.00019953	0.000213322	0.000159857	0.000147245	0.000360198	0.00019953	0.000214115

4020	0.000178373	0.000162475	0.00038161	0.000223885	0.000199266	0.000177636	0.000163427	0.000403353	0.000223885	0.000201195
4021	0.000185451	0.00016885	0.000397685	0.000233567	0.000198801	0.00018484	0.000170009	0.000420432	0.000233567	0.000200693
4022	0.000186886	0.000170111	0.000401336	0.000236393	0.00019426	0.000186533	0.000171557	0.000424425	0.000236393	0.000195843
4023	0.000185615	0.000169053	0.000397337	0.000234686	0.000201639	0.000185366	0.000170581	0.000420222	0.000234686	0.000201619
4024	0.000201132	0.000183057	0.000432205	0.000255105	0.00019423	0.000200942	0.000184812	0.000457163	0.000255105	0.000193691
4025	0.000210375	0.000191434	0.000452511	0.000266773	0.000189489	0.000210113	0.000193209	0.000478619	0.000266773	0.000188611
4026	0.000207015	0.000188859	0.000439123	0.000257049	0.000187011	0.000205672	0.000189419	0.00046385	0.000257049	0.000185948
4027	0.000202299	0.000185303	0.000419572	0.000241886	0.00015564	0.000199039	0.000183736	0.000442117	0.000241886	0.000156598
4028	0.000193694	0.00017791	0.000395474	0.000225763	0.000124146	0.00018938	0.000175111	0.000416039	0.000225763	0.000127256
4029	0.000186555	0.000171871	0.000374265	0.000212845	0.000105263	0.000181445	0.000168095	0.000393502	0.000212845	0.000109169
4030	0.000169244	0.000156419	0.000333195	0.000189865	8.71384E-05	0.000164038	0.000152311	0.000350313	0.000189865	9.20235E-05
4031	0.000148589	0.000137259	0.000293431	0.000168057	8.40567E-05	0.000144308	0.000133956	0.000308753	0.000168057	8.87265E-05
4032	0.000133319	0.000122925	0.000266195	0.000154761	8.11957E-05	0.000130392	0.000120932	0.000280662	0.000154761	8.56595E-05
4033	0.000114226	0.000105122	0.00023061	0.000136005	8.3558E-05	0.000112476	0.000104218	0.000243653	0.000136005	8.81798E-05
4034	0.000106898	9.83059E-05	0.000216739	0.000129163	8.54856E-05	0.000105735	9.79571E-05	0.000229283	0.000129163	9.02354E-05
4035	0.000101831	9.36934E-05	0.000205859	0.000123406	9.05797E-05	0.000100884	9.35188E-05	0.000217875	0.000123406	9.56753E-05
4036	0.000101352	9.32997E-05	0.000204285	0.000122912	9.80299E-05	0.000100498	9.32114E-05	0.000216245	0.000122912	0.000103633
4037	0.000109663	0.000100887	0.000221859	0.000133004	0.00010589	0.00010869	0.000100752	0.000234775	0.000133004	0.000112033
4038	0.000121579	0.00011178	0.000246849	0.000147014	0.000110799	0.000120309	0.000111448	0.000261065	0.000147014	0.000117172
4039	0.000132939	0.000121773	0.000275686	0.000162569	0.000205627	0.000131752	0.000121707	0.000291315	0.000162569	0.000205966
4040	0.000134489	0.00012286	0.000283149	0.000166441	0.000207829	0.000133664	0.000123251	0.000299078	0.000166441	0.000208211
4041	0.000137207	0.00012542	0.000287892	0.000169099	0.000209851	0.000136245	0.000125683	0.000304014	0.000169099	0.000210388
4042	0.000146783	0.000134096	0.000308976	0.000181047	0.00021112	0.000145697	0.000134329	0.000326269	0.000181047	0.000211753
4043	0.000160966	0.000146881	0.000341032	0.00019953	0.000213322	0.000159857	0.000147245	0.000360198	0.00019953	0.000214115
4044	0.000178373	0.000162475	0.00038161	0.000223885	0.000199266	0.000177636	0.000163427	0.000403353	0.000223885	0.000201195
4045	0.000185451	0.00016885	0.000397685	0.000233567	0.000198801	0.00018484	0.000170009	0.000420432	0.000233567	0.000200693
4046	0.000186886	0.000170111	0.000401336	0.000236393	0.00019426	0.000186533	0.000171557	0.000424425	0.000236393	0.000195843
4047	0.000185615	0.000169053	0.000397337	0.000234686	0.000201639	0.000185366	0.000170581	0.000420222	0.000234686	0.000201619
4048	0.000201132	0.000183057	0.000432205	0.000255105	0.00019423	0.000200942	0.000184812	0.000457163	0.000255105	0.000193691
4049	0.000210375	0.000191434	0.000452511	0.000266773	0.000189489	0.000210113	0.000193209	0.000478619	0.000266773	0.000188611
4050	0.000207015	0.000188859	0.000439123	0.000257049	0.000187011	0.000205672	0.000189419	0.00046385	0.000257049	0.000185948
4051	0.000202299	0.000185303	0.000419572	0.000241886	0.00015564	0.000199039	0.000183736	0.000442117	0.000241886	0.000156598
4052	0.000193694	0.00017791	0.000395474	0.000225763	0.000124146	0.00018938	0.000175111	0.000416039	0.000225763	0.000127256
4053	0.000186555	0.000171871	0.000374265	0.000212845	0.000105263	0.000181445	0.000168095	0.000393502	0.000212845	0.000109169
4054	0.000169244	0.000156419	0.000333195	0.000189865	8.71384E-05	0.000164038	0.000152311	0.000350313	0.000189865	9.20235E-05
4055	0.000148589	0.000137259	0.000293431	0.000168057	8.40567E-05	0.000144308	0.000133956	0.000308753	0.000168057	8.87265E-05
4056	0.000133319	0.000122925	0.000266195	0.000154761	8.11957E-05	0.000130392	0.000120932	0.000280662	0.000154761	8.56595E-05
4057	0.000114434	0.000105304	0.000231152	0.000136303	8.35427E-05	0.000112685	0.000104404	0.000244228	0.000136303	8.81638E-05
4058	0.00010699	9.83849E-05	0.000216996	0.000129298	8.54345E-05	0.000105827	9.80373E-05	0.000229556	0.000129298	9.01815E-05
4059	0.000101898	9.37518E-05	0.000206039	0.000123503	9.04833E-05	0.000100951	9.35783E-05	0.000218066	0.000123503	9.55732E-05
4060	0.000101315	9.32644E-05	0.000204233	0.000122869	9.79602E-05	0.00010046	9.31744E-05	0.000216189	0.000122869	0.000103558
4061	0.00010953	0.000100765	0.000221584	0.000132829	0.000105767	0.000108553	0.000100625	0.000234484	0.000132829	0.000111902
4062	0.00012117	0.000111415	0.000245876	0.00014645	0.000110652	0.000119896	0.000111074	0.000260032	0.00014645	0.000117017
4063	0.000134412	0.000123375	0.000275502	0.000162586	0.000205534	0.000132879	0.000122918	0.000291111	0.000162586	0.000205869
4064	0.00013438	0.000122763	0.000282886	0.000166289	0.000207742	0.000133554	0.000123151	0.000298799	0.000166289	0.000208122
4065	0.00013728	0.000125482	0.0002881	0.000169207	0.000209803	0.000136317	0.000125746	0.000304234	0.000169207	0.00021034
4066	0.000147767	0.000134977	0.000311281	0.000182397	0.000211133	0.000146692	0.000135233	0.000328716	0.000182397	0.000211772
4067	0.000162577	0.000148327	0.000344741	0.000201725	0.000213477	0.000161488	0.000148731	0.000364136	0.000201725	0.000214285
4068	0.000180168	0.000164095	0.000385648	0.00022631	0.000199425	0.000179458	0.000165093	0.00040764	0.00022631	0.000201369
4069	0.00018712	0.000170358	0.000401406	0.000235814	0.00019891	0.000186535	0.000171561	0.000424383	0.000235814	0.000200814
4070	0.000189858	0.00017279	0.000408042	0.000240412	0.00019432	0.000189547	0.000174313	0.000431544	0.000240412	0.000195911
4071	0.000188564	0.000171715	0.000403963	0.000238667	0.000201648	0.000188358	0.000173318	0.000427257	0.000238667	0.000201633
4072	0.000204365	0.000185976	0.000439446	0.000259464	0.000194416	0.000204223	0.000187816	0.000464851	0.000259464	0.000193894
4073	0.000214332	0.000194999	0.000461472	0.00027213	0.000189682	0.000214125	0.000196875	0.000488132	0.00027213	0.000188822
4074	0.000210758	0.000192231	0.000447609	0.000262119	0.000187268	0.000209467	0.000192886	0.000472859	0.000262119	0.000186226
4075	0.000205567	0.000188245	0.000427011	0.00024632	0.000155864	0.000202352	0.000186761	0.000450015	0.00024632	0.000156841
4076	0.000196468	0.000180407	0.000401784	0.000229525	0.000124352	0.000192192	0.000177678	0.000422738	0.000229525	0.00012748
4077	0.000187404	0.00017236	0.000379717	0.000215974	0.000105384	0.000182671	0.000169034	0.000399298	0.000215974	0.000109301
4078	0.000171034	0.000158028	0.000337297	0.000192299	8.72669E-05	0.000165851	0.000153964	0.000354668	0.000192299	9.21633E-05
4079	0.000150293	0.000138787	0.000297388	0.000170386	8.4143E-05	0.000146033	0.000135525	0.000312953	0.000170386	8.88217E-05
4080	0.000134683	0.000124159	0.000269214	0.000156591	8.13318E-05	0.000131777	0.000122202	0.000283867	0.000156591	8.58072E-05
4081	0.000114434	0.000105304	0.000231152	0.000136303	8.35427E-05	0.000112685	0.000104404	0.000244228	0.000136303	8.81638E-05
4082	0.00010699	9.83849E-05	0.000216996	0.000129298	8.54345E-05	0.000105827	9.80373E-05	0.000229556	0.000129298	9.01815E-05
4083	0.000101898	9.37518E-05	0.000206039	0.000123503	9.04833E-05	0.000100951	9.35783E-05	0.000218066	0.000123503	9.55732E-05
4084	0.000101315	9.32644E-05	0.000204233	0.000122869	9.79602E-05	0.00010046	9.31744E-05	0.000216189	0.000122869	0.000103558
4085	0.00010953	0.000100765	0.000221584	0.000132829	0.000105767	0.000108553	0.000100625	0.000234484	0.000132829	0.000111902
4086	0.00012117	0.000111415	0.000245876	0.00014645	0.000110652	0.000119896	0.000111074	0.000260032	0.00014645	0.000117017
4087	0.000134412	0.000123375	0.000275502	0.000162586	0.000205534	0.000132879	0.000122918	0.000291111	0.000162586	0.000205869
4088	0.00013438	0.000122763	0.000282886	0.000166289	0.000207742	0.000133554	0.000123151	0.000298799	0.000166289	0.000208122
4089	0.00013728	0.000125482	0.0002881	0.000169207	0.000209803	0.000136317	0.000125746	0.000304234	0.000169207	0.00021034
4090	0.000147767	0.000134977	0.000311281	0.000182397	0.000211133	0.000146692	0.000135233	0.000328716	0.000182397	0.000211772
4091	0.000162577	0.000148327	0.000344741	0.000201725	0.000213477	0.000161488	0.000148731	0.000364136	0.000201725	0.000214285
4092	0.000180168	0.000164095	0.000385648	0.00022631	0.000199425	0.000179458	0.000165093	0.00040764	0.00022631	0.000201369
4093	0.00018712	0.000170358	0.000401406	0.000235814	0.00019891	0.000186535	0.000171561	0.000424383	0.000235814	0.000200814
4094	0.000189858	0.00017279	0.000408042	0.000240412	0.00019432	0.000189547	0.000174313	0.000431544	0.000240412	0.000195911
4095	0.000188564	0.000171715	0.000403963	0.000238667	0.000201648	0.000188358	0.000173318	0.000427257	0.000238667	0.000201633

4096	0.000204365	0.000185976	0.000439446	0.000259464	0.000194416	0.000204223	0.000187816	0.000464851	0.000259464	0.000193894
4097	0.000214332	0.000194999	0.000461472	0.00027213	0.000189682	0.000214125	0.000196875	0.000488132	0.00027213	0.000188822
4098	0.000210758	0.000192231	0.000447609	0.000262119	0.000187268	0.000209467	0.000192886	0.000472859	0.000262119	0.000186226
4099	0.000205567	0.000188245	0.000427011	0.00024632	0.000155864	0.000202352	0.000186761	0.000450015	0.00024632	0.000156841
4100	0.000196468	0.000180407	0.000401784	0.000229525	0.000124352	0.000192192	0.000177678	0.000422738	0.000229525	0.00012748
4101	0.000187404	0.00017236	0.000379717	0.000215974	0.000105384	0.000182671	0.000169034	0.000399298	0.000215974	0.000109301
4102	0.000171034	0.000158028	0.000337297	0.000192299	8.72669E-05	0.000165851	0.000153964	0.000354668	0.000192299	9.21633E-05
4103	0.000150293	0.000138787	0.000297388	0.000170386	8.4143E-05	0.000146033	0.000135525	0.000312953	0.000170386	8.88217E-05
4104	0.000134683	0.000124159	0.000269214	0.000156591	8.13318E-05	0.000131777	0.000122202	0.000283867	0.000156591	8.58072E-05
4105	0.000114226	0.000105122	0.00023061	0.000136005	8.3558E-05	0.000112476	0.000104218	0.000243653	0.000136005	8.81798E-05
4106	0.000106898	9.83059E-05	0.000216739	0.000129163	8.54856E-05	0.000105735	9.79571E-05	0.000229283	0.000129163	9.02354E-05
4107	0.000101831	9.36934E-05	0.000205859	0.000123406	9.05797E-05	0.000100884	9.35188E-05	0.000217875	0.000123406	9.56753E-05
4108	0.000101352	9.32997E-05	0.000204285	0.000122912	9.80299E-05	0.000100498	9.32114E-05	0.000216245	0.000122912	0.000103633
4109	0.000109663	0.000100887	0.000221859	0.000133004	0.00010589	0.00010869	0.000100752	0.000234775	0.000133004	0.000112033
4110	0.000121579	0.00011178	0.000246849	0.000147014	0.000110799	0.000120309	0.000111448	0.000261065	0.000147014	0.000117172
4111	0.000132939	0.000121773	0.000275686	0.000162569	0.000205627	0.000131752	0.000121707	0.000291315	0.000162569	0.000205966
4112	0.000134489	0.00012286	0.000283149	0.000166441	0.000207829	0.000133664	0.000123251	0.000299078	0.000166441	0.000208211
4113	0.000137207	0.00012542	0.000287892	0.000169099	0.000209851	0.000136245	0.000125683	0.000304014	0.000169099	0.000210388
4114	0.000146783	0.000134096	0.000308976	0.000181047	0.00021112	0.000145697	0.000134329	0.000326269	0.000181047	0.000211753
4115	0.000160966	0.000146881	0.000341032	0.00019953	0.000213322	0.000159857	0.000147245	0.000360198	0.00019953	0.000214115
4116	0.000178373	0.000162475	0.00038161	0.000223885	0.000199266	0.000177636	0.000163427	0.000403353	0.000223885	0.000201195
4117	0.000185451	0.00016885	0.000397685	0.000233567	0.000198801	0.00018484	0.000170009	0.000420432	0.000233567	0.000200693
4118	0.000186886	0.000170111	0.000401336	0.000236393	0.00019426	0.000186533	0.000171557	0.000424425	0.000236393	0.000195843
4119	0.000185615	0.000169053	0.000397337	0.000234686	0.000201639	0.000185366	0.000170581	0.000420222	0.000234686	0.000201619
4120	0.000201132	0.000183057	0.000432205	0.000255105	0.00019423	0.000200942	0.000184812	0.000457163	0.000255105	0.000193691
4121	0.000210375	0.000191434	0.000452511	0.000266773	0.000189489	0.000210113	0.000193209	0.000478619	0.000266773	0.000188611
4122	0.000207015	0.000188859	0.000439123	0.000257049	0.000187011	0.000205672	0.000189419	0.00046385	0.000257049	0.000185948
4123	0.000202299	0.000185303	0.000419572	0.000241886	0.00015564	0.000199039	0.000183736	0.000442117	0.000241886	0.000156598
4124	0.000193694	0.00017791	0.000395474	0.000225763	0.000124146	0.00018938	0.000175111	0.000416039	0.000225763	0.000127256
4125	0.000186555	0.000171871	0.000374265	0.000212845	0.000105263	0.000181445	0.000168095	0.000393502	0.000212845	0.000109169
4126	0.000169244	0.000156419	0.000333195	0.000189865	8.71384E-05	0.000164038	0.000152311	0.000350313	0.000189865	9.20235E-05
4127	0.000148589	0.000137259	0.000293431	0.000168057	8.40567E-05	0.000144308	0.000133956	0.000308753	0.000168057	8.87265E-05
4128	0.000133319	0.000122925	0.000266195	0.000154761	8.11957E-05	0.000130392	0.000120932	0.000280662	0.000154761	8.56595E-05
4129	0.000114226	0.000105122	0.00023061	0.000136005	8.3558E-05	0.000112476	0.000104218	0.000243653	0.000136005	8.81798E-05
4130	0.000106898	9.83059E-05	0.000216739	0.000129163	8.54856E-05	0.000105735	9.79571E-05	0.000229283	0.000129163	9.02354E-05
4131	0.000101831	9.36934E-05	0.000205859	0.000123406	9.05797E-05	0.000100884	9.35188E-05	0.000217875	0.000123406	9.56753E-05
4132	0.000101352	9.32997E-05	0.000204285	0.000122912	9.80299E-05	0.000100498	9.32114E-05	0.000216245	0.000122912	0.000103633
4133	0.000109663	0.000100887	0.000221859	0.000133004	0.00010589	0.00010869	0.000100752	0.000234775	0.000133004	0.000112033
4134	0.000121579	0.00011178	0.000246849	0.000147014	0.000110799	0.000120309	0.000111448	0.000261065	0.000147014	0.000117172
4135	0.000132939	0.000121773	0.000275686	0.000162569	0.000205627	0.000131752	0.000121707	0.000291315	0.000162569	0.000205966
4136	0.000134489	0.00012286	0.000283149	0.000166441	0.000207829	0.000133664	0.000123251	0.000299078	0.000166441	0.000208211
4137	0.000137207	0.00012542	0.000287892	0.000169099	0.000209851	0.000136245	0.000125683	0.000304014	0.000169099	0.000210388
4138	0.000146783	0.000134096	0.000308976	0.000181047	0.00021112	0.000145697	0.000134329	0.000326269	0.000181047	0.000211753
4139	0.000160966	0.000146881	0.000341032	0.00019953	0.000213322	0.000159857	0.000147245	0.000360198	0.00019953	0.000214115
4140	0.000178373	0.000162475	0.00038161	0.000223885	0.000199266	0.000177636	0.000163427	0.000403353	0.000223885	0.000201195
4141	0.000185451	0.00016885	0.000397685	0.000233567	0.000198801	0.00018484	0.000170009	0.000420432	0.000233567	0.000200693
4142	0.000186886	0.000170111	0.000401336	0.000236393	0.00019426	0.000186533	0.000171557	0.000424425	0.000236393	0.000195843
4143	0.000185615	0.000169053	0.000397337	0.000234686	0.000201639	0.000185366	0.000170581	0.000420222	0.000234686	0.000201619
4144	0.000201132	0.000183057	0.000432205	0.000255105	0.00019423	0.000200942	0.000184812	0.000457163	0.000255105	0.000193691
4145	0.000210375	0.000191434	0.000452511	0.000266773	0.000189489	0.000210113	0.000193209	0.000478619	0.000266773	0.000188611
4146	0.000207015	0.000188859	0.000439123	0.000257049	0.000187011	0.000205672	0.000189419	0.00046385	0.000257049	0.000185948
4147	0.000202299	0.000185303	0.000419572	0.000241886	0.00015564	0.000199039	0.000183736	0.000442117	0.000241886	0.000156598
4148	0.000193694	0.00017791	0.000395474	0.000225763	0.000124146	0.00018938	0.000175111	0.000416039	0.000225763	0.000127256
4149	0.000186555	0.000171871	0.000374265	0.000212845	0.000105263	0.000181445	0.000168095	0.000393502	0.000212845	0.000109169
4150	0.000169244	0.000156419	0.000333195	0.000189865	8.71384E-05	0.000164038	0.000152311	0.000350313	0.000189865	9.20235E-05
4151	0.000148589	0.000137259	0.000293431	0.000168057	8.40567E-05	0.000144308	0.000133956	0.000308753	0.000168057	8.87265E-05
4152	0.000133319	0.000122925	0.000266195	0.000154761	8.11957E-05	0.000130392	0.000120932	0.000280662	0.000154761	8.56595E-05
4153	0.000114226	0.000105122	0.00023061	0.000136005	8.3558E-05	0.000112476	0.000104218	0.000243653	0.000136005	8.81798E-05
4154	0.000106898	9.83059E-05	0.000216739	0.000129163	8.54856E-05	0.000105735	9.79571E-05	0.000229283	0.000129163	9.02354E-05
4155	0.000101831	9.36934E-05	0.000205859	0.000123406	9.05797E-05	0.000100884	9.35188E-05	0.000217875	0.000123406	9.56753E-05
4156	0.000101352	9.32997E-05	0.000204285	0.000122912	9.80299E-05	0.000100498	9.32114E-05	0.000216245	0.000122912	0.000103633
4157	0.000109663	0.000100887	0.000221859	0.000133004	0.00010589	0.00010869	0.000100752	0.000234775	0.000133004	0.000112033
4158	0.000121579	0.00011178	0.000246849	0.000147014	0.000110799	0.000120309	0.000111448	0.000261065	0.000147014	0.000117172
4159	0.000132939	0.000121773	0.000275686	0.000162569	0.000205627	0.000131752	0.000121707	0.000291315	0.000162569	0.000205966
4160	0.000134489	0.00012286	0.000283149	0.000166441	0.000207829	0.000133664	0.000123251	0.000299078	0.000166441	0.000208211
4161	0.000137207	0.00012542	0.000287892	0.000169099	0.000209851	0.000136245	0.000125683	0.000304014	0.000169099	0.000210388
4162	0.000146783	0.000134096	0.000308976	0.000181047	0.00021112	0.000145697	0.000134329	0.000326269	0.000181047	0.000211753
4163	0.000160966	0.000146881	0.000341032	0.00019953	0.000213322	0.000159857	0.000147245	0.000360198	0.00019953	0.000214115
4164	0.000178373	0.000162475	0.00038161	0.000223885	0.000199266	0.000177636	0.000163427	0.000403353	0.000223885	0.000201195
4165	0.000185451	0.00016885	0.000397685	0.000233567	0.000198801	0.00018484	0.000170009	0.000420432	0.000233567	0.000200693
4166	0.000186886	0.000170111	0.000401336	0.000236393	0.00019426	0.000186533	0.000171557	0.000424425	0.000236393	0.000195843
4167	0.000185615	0.000169053	0.000397337	0.000234686	0.000201639	0.000185366	0.000170581	0.000420222	0.000234686	0.000201619
4168	0.000201132	0.000183057	0.000432205	0.000255105	0.00019423	0.000200942	0.000184812	0.000457163	0.000255105	0.000193691
4169	0.000210375	0.000191434	0.000452511	0.000266773	0.000189489	0.000210113	0.000193209	0.000478619	0.000266773	0.000188611
4170	0.000207015	0.000188859	0.000439123	0.000257049	0.000187011	0.000205672	0.000189419	0.00046385	0.000257049	0.000185948
4171	0.000202299	0.000185303	0.000419572	0.000241886	0.00015564	0.000199039	0.000183736	0.000442117	0.000241886	0.000156598

4172	0.000193694	0.00017791	0.000395474	0.000225763	0.000124146	0.00018938	0.000175111	0.000416039	0.000225763	0.000127256
4173	0.000186555	0.000171871	0.000374265	0.000212845	0.000105263	0.000181445	0.000168095	0.000393502	0.000212845	0.000109169
4174	0.000169244	0.000156419	0.000333195	0.000189865	8.71384E-05	0.000164038	0.000152311	0.000350313	0.000189865	9.20235E-05
4175	0.000148589	0.000137259	0.000293431	0.000168057	8.40567E-05	0.000144308	0.000133956	0.000308753	0.000168057	8.87265E-05
4176	0.000133319	0.000122925	0.000266195	0.000154761	8.11957E-05	0.000130392	0.000120932	0.000280662	0.000154761	8.56595E-05
4177	0.000114226	0.000105122	0.00023061	0.000136005	8.3558E-05	0.000112476	0.000104218	0.000243653	0.000136005	8.81798E-05
4178	0.000106898	9.83059E-05	0.000216739	0.000129163	8.54856E-05	0.000105735	9.79571E-05	0.000229283	0.000129163	9.02354E-05
4179	0.000101831	9.36934E-05	0.000205859	0.000123406	9.05797E-05	0.000100884	9.35188E-05	0.000217875	0.000123406	9.56753E-05
4180	0.000101352	9.32997E-05	0.000204285	0.000122912	9.80299E-05	0.000100498	9.32114E-05	0.000216245	0.000122912	0.000103633
4181	0.000109663	0.000100887	0.000221859	0.000133004	0.00010589	0.00010869	0.000100752	0.000234775	0.000133004	0.000112033
4182	0.000121579	0.00011178	0.000246849	0.000147014	0.000110799	0.000120309	0.000111448	0.000261065	0.000147014	0.000117172
4183	0.000132939	0.000121773	0.000275686	0.000162569	0.000205627	0.000131752	0.000121707	0.000291315	0.000162569	0.000205966
4184	0.000134489	0.00012286	0.000283149	0.000166441	0.000207829	0.000133664	0.000123251	0.000299078	0.000166441	0.000208211
4185	0.000137207	0.00012542	0.000287892	0.000169099	0.000209851	0.000136245	0.000125683	0.000304014	0.000169099	0.000210388
4186	0.000146783	0.000134096	0.000308976	0.000181047	0.00021112	0.000145697	0.000134329	0.000326269	0.000181047	0.000211753
4187	0.000160966	0.000146881	0.000341032	0.00019953	0.000213322	0.000159857	0.000147245	0.000360198	0.00019953	0.000214115
4188	0.000178373	0.000162475	0.00038161	0.000223885	0.000199266	0.000177636	0.000163427	0.000403353	0.000223885	0.000201195
4189	0.000185451	0.00016885	0.000397685	0.000233567	0.000198801	0.00018484	0.000170009	0.000420432	0.000233567	0.000200693
4190	0.000186886	0.000170111	0.000401336	0.000236393	0.00019426	0.000186533	0.000171557	0.000424425	0.000236393	0.000195843
4191	0.000185615	0.000169053	0.000397337	0.000234686	0.000201639	0.000185366	0.000170581	0.000420222	0.000234686	0.000201619
4192	0.000201132	0.000183057	0.000432205	0.000255105	0.00019423	0.000200942	0.000184812	0.000457163	0.000255105	0.000193691
4193	0.000210375	0.000191434	0.000452511	0.000266773	0.000189489	0.000210113	0.000193209	0.000478619	0.000266773	0.000188611
4194	0.000207015	0.000188859	0.000439123	0.000257049	0.000187011	0.000205672	0.000189419	0.00046385	0.000257049	0.000185948
4195	0.000202299	0.000185303	0.000419572	0.000241886	0.00015564	0.000199039	0.000183736	0.000442117	0.000241886	0.000156598
4196	0.000193694	0.00017791	0.000395474	0.000225763	0.000124146	0.00018938	0.000175111	0.000416039	0.000225763	0.000127256
4197	0.000186555	0.000171871	0.000374265	0.000212845	0.000105263	0.000181445	0.000168095	0.000393502	0.000212845	0.000109169
4198	0.000169244	0.000156419	0.000333195	0.000189865	8.71384E-05	0.000164038	0.000152311	0.000350313	0.000189865	9.20235E-05
4199	0.000148589	0.000137259	0.000293431	0.000168057	8.40567E-05	0.000144308	0.000133956	0.000308753	0.000168057	8.87265E-05
4200	0.000133319	0.000122925	0.000266195	0.000154761	8.11957E-05	0.000130392	0.000120932	0.000280662	0.000154761	8.56595E-05
4201	0.000114226	0.000105122	0.00023061	0.000136005	8.3558E-05	0.000112476	0.000104218	0.000243653	0.000136005	8.81798E-05
4202	0.000106898	9.83059E-05	0.000216739	0.000129163	8.54856E-05	0.000105735	9.79571E-05	0.000229283	0.000129163	9.02354E-05
4203	0.000101831	9.36934E-05	0.000205859	0.000123406	9.05797E-05	0.000100884	9.35188E-05	0.000217875	0.000123406	9.56753E-05
4204	0.000101352	9.32997E-05	0.000204285	0.000122912	9.80299E-05	0.000100498	9.32114E-05	0.000216245	0.000122912	0.000103633
4205	0.000109663	0.000100887	0.000221859	0.000133004	0.00010589	0.00010869	0.000100752	0.000234775	0.000133004	0.000112033
4206	0.000121579	0.00011178	0.000246849	0.000147014	0.000110799	0.000120309	0.000111448	0.000261065	0.000147014	0.000117172
4207	0.000132939	0.000121773	0.000275686	0.000162569	0.000205627	0.000131752	0.000121707	0.000291315	0.000162569	0.000205966
4208	0.000134489	0.00012286	0.000283149	0.000166441	0.000207829	0.000133664	0.000123251	0.000299078	0.000166441	0.000208211
4209	0.000137207	0.00012542	0.000287892	0.000169099	0.000209851	0.000136245	0.000125683	0.000304014	0.000169099	0.000210388
4210	0.000146783	0.000134096	0.000308976	0.000181047	0.00021112	0.000145697	0.000134329	0.000326269	0.000181047	0.000211753
4211	0.000160966	0.000146881	0.000341032	0.00019953	0.000213322	0.000159857	0.000147245	0.000360198	0.00019953	0.000214115
4212	0.000178373	0.000162475	0.00038161	0.000223885	0.000199266	0.000177636	0.000163427	0.000403353	0.000223885	0.000201195
4213	0.000185451	0.00016885	0.000397685	0.000233567	0.000198801	0.00018484	0.000170009	0.000420432	0.000233567	0.000200693
4214	0.000186886	0.000170111	0.000401336	0.000236393	0.00019426	0.000186533	0.000171557	0.000424425	0.000236393	0.000195843
4215	0.000185615	0.000169053	0.000397337	0.000234686	0.000201639	0.000185366	0.000170581	0.000420222	0.000234686	0.000201619
4216	0.000201132	0.000183057	0.000432205	0.000255105	0.00019423	0.000200942	0.000184812	0.000457163	0.000255105	0.000193691
4217	0.000210375	0.000191434	0.000452511	0.000266773	0.000189489	0.000210113	0.000193209	0.000478619	0.000266773	0.000188611
4218	0.000207015	0.000188859	0.000439123	0.000257049	0.000187011	0.000205672	0.000189419	0.00046385	0.000257049	0.000185948
4219	0.000202299	0.000185303	0.000419572	0.000241886	0.00015564	0.000199039	0.000183736	0.000442117	0.000241886	0.000156598
4220	0.000193694	0.00017791	0.000395474	0.000225763	0.000124146	0.00018938	0.000175111	0.000416039	0.000225763	0.000127256
4221	0.000186555	0.000171871	0.000374265	0.000212845	0.000105263	0.000181445	0.000168095	0.000393502	0.000212845	0.000109169
4222	0.000169244	0.000156419	0.000333195	0.000189865	8.71384E-05	0.000164038	0.000152311	0.000350313	0.000189865	9.20235E-05
4223	0.000148589	0.000137259	0.000293431	0.000168057	8.40567E-05	0.000144308	0.000133956	0.000308753	0.000168057	8.87265E-05
4224	0.000133319	0.000122925	0.000266195	0.000154761	8.11957E-05	0.000130392	0.000120932	0.000280662	0.000154761	8.56595E-05
4225	0.000114434	0.000105304	0.000231152	0.000136303	8.35427E-05	0.000112685	0.000104404	0.000244228	0.000136303	8.81638E-05
4226	0.00010699	9.83849E-05	0.000216996	0.000129298	8.54345E-05	0.000105827	9.80373E-05	0.000229556	0.000129298	9.01815E-05
4227	0.000101898	9.37518E-05	0.000206039	0.000123503	9.04833E-05	0.000100951	9.35783E-05	0.000218066	0.000123503	9.55732E-05
4228	0.000101315	9.32644E-05	0.000204233	0.000122869	9.79602E-05	0.00010046	9.31744E-05	0.000216189	0.000122869	0.000103558
4229	0.00010953	0.000100765	0.000221584	0.000132829	0.000105767	0.000108553	0.000100625	0.000234484	0.000132829	0.000111902
4230	0.00012117	0.000111415	0.000245876	0.00014645	0.000110652	0.000119896	0.000111074	0.000260032	0.00014645	0.000117017
4231	0.000134412	0.000123375	0.000275502	0.000162586	0.000205534	0.000132879	0.000122918	0.000291111	0.000162586	0.000205869
4232	0.00013438	0.000122763	0.000282886	0.000166289	0.000207742	0.000133554	0.000123151	0.000298799	0.000166289	0.000208122
4233	0.00013728	0.000125482	0.0002881	0.000169207	0.000209803	0.000136317	0.000125746	0.000304234	0.000169207	0.00021034
4234	0.000147767	0.000134977	0.000311281	0.000182397	0.000211133	0.000146692	0.000135233	0.000328716	0.000182397	0.000211772
4235	0.000162577	0.000148327	0.000344741	0.000201725	0.000213477	0.000161488	0.000148731	0.000364136	0.000201725	0.000214285
4236	0.000180168	0.000164095	0.000385648	0.00022631	0.000199425	0.000179458	0.000165093	0.00040764	0.00022631	0.000201369
4237	0.00018712	0.000170358	0.000401406	0.000235814	0.00019891	0.000186535	0.000171561	0.000424383	0.000235814	0.000200814
4238	0.000189858	0.00017279	0.000408042	0.000240412	0.00019432	0.000189547	0.000174313	0.000431544	0.000240412	0.000195911
4239	0.000188564	0.000171715	0.000403963	0.000238667	0.000201648	0.000188358	0.000173318	0.000427257	0.000238667	0.000201633
4240	0.000204365	0.000185976	0.000439446	0.000259464	0.000194416	0.000204223	0.000187816	0.000464851	0.000259464	0.000193894
4241	0.000214332	0.000194999	0.000461472	0.00027213	0.000189682	0.000214125	0.000196875	0.000488132	0.00027213	0.000188822
4242	0.000210758	0.000192231	0.000447609	0.000262119	0.000187268	0.000209467	0.000192886	0.000472859	0.000262119	0.000186226
4243	0.000205567	0.000188245	0.000427011	0.00024632	0.000155864	0.000202352	0.000186761	0.000450015	0.00024632	0.000156841
4244	0.000196468	0.000180407	0.000401784	0.000229525	0.000124352	0.000192192	0.000177678	0.000422738	0.000229525	0.00012748
4245	0.000187404	0.00017236	0.000379717	0.000215974	0.000105384	0.000182671	0.000169034	0.000399298	0.000215974	0.000109301
4246	0.000171034	0.000158028	0.000337297	0.000192299	8.72669E-05	0.000165851	0.000153964	0.000354668	0.000192299	9.21633E-05
4247	0.000150293	0.000138787	0.000297388	0.000170386	8.4143E-05	0.000146033	0.000135525	0.000312953	0.000170386	8.88217E-05

4248	0.000134683	0.000124159	0.000269214	0.000156591	8.13318E-05	0.000131777	0.000122202	0.000283867	0.000156591	8.58072E-05
4249	0.000114434	0.000105304	0.000231152	0.000136303	8.35427E-05	0.000112685	0.000104404	0.000244228	0.000136303	8.81638E-05
4250	0.00010699	9.83849E-05	0.000216996	0.000129298	8.54345E-05	0.000105827	9.80373E-05	0.000229556	0.000129298	9.01815E-05
4251	0.000101898	9.37518E-05	0.000206039	0.000123503	9.04833E-05	0.000100951	9.35783E-05	0.000218066	0.000123503	9.55732E-05
4252	0.000101315	9.32644E-05	0.000204233	0.000122869	9.79602E-05	0.00010046	9.31744E-05	0.000216189	0.000122869	0.000103558
4253	0.00010953	0.000100765	0.000221584	0.000132829	0.000105767	0.000108553	0.000100625	0.000234484	0.000132829	0.000111902
4254	0.00012117	0.000111415	0.000245876	0.00014645	0.000110652	0.000119896	0.000111074	0.000260032	0.00014645	0.000117017
4255	0.000134412	0.000123375	0.000275502	0.000162586	0.000205534	0.000132879	0.000122918	0.000291111	0.000162586	0.000205869
4256	0.00013438	0.000122763	0.000282886	0.000166289	0.000207742	0.000133554	0.000123151	0.000298799	0.000166289	0.000208122
4257	0.00013728	0.000125482	0.0002881	0.000169207	0.000209803	0.000136317	0.000125746	0.000304234	0.000169207	0.00021034
4258	0.000147767	0.000134977	0.000311281	0.000182397	0.000211133	0.000146692	0.000135233	0.000328716	0.000182397	0.000211772
4259	0.000162577	0.000148327	0.000344741	0.000201725	0.000213477	0.000161488	0.000148731	0.000364136	0.000201725	0.000214285
4260	0.000180168	0.000164095	0.000385648	0.00022631	0.000199425	0.000179458	0.000165093	0.00040764	0.00022631	0.000201369
4261	0.00018712	0.000170358	0.000401406	0.000235814	0.00019891	0.000186535	0.000171561	0.000424383	0.000235814	0.000200814
4262	0.000189858	0.00017279	0.000408042	0.000240412	0.00019432	0.000189547	0.000174313	0.000431544	0.000240412	0.000195911
4263	0.000188564	0.000171715	0.000403963	0.000238667	0.000201648	0.000188358	0.000173318	0.000427257	0.000238667	0.000201633
4264	0.000204365	0.000185976	0.000439446	0.000259464	0.000194416	0.000204223	0.000187816	0.000464851	0.000259464	0.000193894
4265	0.000214332	0.000194999	0.000461472	0.00027213	0.000189682	0.000214125	0.000196875	0.000488132	0.00027213	0.000188822
4266	0.000210758	0.000192231	0.000447609	0.000262119	0.000187268	0.000209467	0.000192886	0.000472859	0.000262119	0.000186226
4267	0.000205567	0.000188245	0.000427011	0.00024632	0.000155864	0.000202352	0.000186761	0.000450015	0.00024632	0.000156841
4268	0.000196468	0.000180407	0.000401784	0.000229525	0.000124352	0.000192192	0.000177678	0.000422738	0.000229525	0.00012748
4269	0.000187404	0.00017236	0.000379717	0.000215974	0.000105384	0.000182671	0.000169034	0.000399298	0.000215974	0.000109301
4270	0.000171034	0.000158028	0.000337297	0.000192299	8.72669E-05	0.000165851	0.000153964	0.000354668	0.000192299	9.21633E-05
4271	0.000150293	0.000138787	0.000297388	0.000170386	8.4143E-05	0.000146033	0.000135525	0.000312953	0.000170386	8.88217E-05
4272	0.000134683	0.000124159	0.000269214	0.000156591	8.13318E-05	0.000131777	0.000122202	0.000283867	0.000156591	8.58072E-05
4273	0.000114226	0.000105122	0.00023061	0.000136005	8.3558E-05	0.000112476	0.000104218	0.000243653	0.000136005	8.81798E-05
4274	0.000106898	9.83059E-05	0.000216739	0.000129163	8.54856E-05	0.000105735	9.79571E-05	0.000229283	0.000129163	9.02354E-05
4275	0.000101831	9.36934E-05	0.000205859	0.000123406	9.05797E-05	0.000100884	9.35188E-05	0.000217875	0.000123406	9.56753E-05
4276	0.000101352	9.32997E-05	0.000204285	0.000122912	9.80299E-05	0.000100498	9.32114E-05	0.000216245	0.000122912	0.000103633
4277	0.000109663	0.000100887	0.000221859	0.000133004	0.00010589	0.00010869	0.000100752	0.000234775	0.000133004	0.000112033
4278	0.000121579	0.00011178	0.000246849	0.000147014	0.000110799	0.000120309	0.000111448	0.000261065	0.000147014	0.000117172
4279	0.000132939	0.000121773	0.000275686	0.000162569	0.000205627	0.000131752	0.000121707	0.000291315	0.000162569	0.000205966
4280	0.000134489	0.00012286	0.000283149	0.000166441	0.000207829	0.000133664	0.000123251	0.000299078	0.000166441	0.000208211
4281	0.000137207	0.00012542	0.000287892	0.000169099	0.000209851	0.000136245	0.000125683	0.000304014	0.000169099	0.000210388
4282	0.000146783	0.000134096	0.000308976	0.000181047	0.00021112	0.000145697	0.000134329	0.000326269	0.000181047	0.000211753
4283	0.000160966	0.000146881	0.000341032	0.00019953	0.000213322	0.000159857	0.000147245	0.000360198	0.00019953	0.000214115
4284	0.000178373	0.000162475	0.00038161	0.000223885	0.000199266	0.000177636	0.000163427	0.000403353	0.000223885	0.000201195
4285	0.000185451	0.00016885	0.000397685	0.000233567	0.000198801	0.00018484	0.000170009	0.000420432	0.000233567	0.000200693
4286	0.000186886	0.000170111	0.000401336	0.000236393	0.00019426	0.000186533	0.000171557	0.000424425	0.000236393	0.000195843
4287	0.000185615	0.000169053	0.000397337	0.000234686	0.000201639	0.000185366	0.000170581	0.000420222	0.000234686	0.000201619
4288	0.000201132	0.000183057	0.000432205	0.000255105	0.00019423	0.000200942	0.000184812	0.000457163	0.000255105	0.000193691
4289	0.000210375	0.000191434	0.000452511	0.000266773	0.000189489	0.000210113	0.000193209	0.000478619	0.000266773	0.000188611
4290	0.000207015	0.000188859	0.000439123	0.000257049	0.000187011	0.000205672	0.000189419	0.00046385	0.000257049	0.000185948
4291	0.000202299	0.000185303	0.000419572	0.000241886	0.00015564	0.000199039	0.000183736	0.000442117	0.000241886	0.000156598
4292	0.000193694	0.00017791	0.000395474	0.000225763	0.000124146	0.00018938	0.000175111	0.000416039	0.000225763	0.000127256
4293	0.000186555	0.000171871	0.000374265	0.000212845	0.000105263	0.000181445	0.000168095	0.000393502	0.000212845	0.000109169
4294	0.000169244	0.000156419	0.000333195	0.000189865	8.71384E-05	0.000164038	0.000152311	0.000350313	0.000189865	9.20235E-05
4295	0.000148589	0.000137259	0.000293431	0.000168057	8.40567E-05	0.000144308	0.000133956	0.000308753	0.000168057	8.87265E-05
4296	0.000133319	0.000122925	0.000266195	0.000154761	8.11957E-05	0.000130392	0.000120932	0.000280662	0.000154761	8.56595E-05
4297	0.000114226	0.000105122	0.00023061	0.000136005	8.3558E-05	0.000112476	0.000104218	0.000243653	0.000136005	8.81798E-05
4298	0.000106898	9.83059E-05	0.000216739	0.000129163	8.54856E-05	0.000105735	9.79571E-05	0.000229283	0.000129163	9.02354E-05
4299	0.000101831	9.36934E-05	0.000205859	0.000123406	9.05797E-05	0.000100884	9.35188E-05	0.000217875	0.000123406	9.56753E-05
4300	0.000101352	9.32997E-05	0.000204285	0.000122912	9.80299E-05	0.000100498	9.32114E-05	0.000216245	0.000122912	0.000103633
4301	0.000109663	0.000100887	0.000221859	0.000133004	0.00010589	0.00010869	0.000100752	0.000234775	0.000133004	0.000112033
4302	0.000121579	0.00011178	0.000246849	0.000147014	0.000110799	0.000120309	0.000111448	0.000261065	0.000147014	0.000117172
4303	0.000132939	0.000121773	0.000275686	0.000162569	0.000205627	0.000131752	0.000121707	0.000291315	0.000162569	0.000205966
4304	0.000134489	0.00012286	0.000283149	0.000166441	0.000207829	0.000133664	0.000123251	0.000299078	0.000166441	0.000208211
4305	0.000137207	0.00012542	0.000287892	0.000169099	0.000209851	0.000136245	0.000125683	0.000304014	0.000169099	0.000210388
4306	0.000146783	0.000134096	0.000308976	0.000181047	0.00021112	0.000145697	0.000134329	0.000326269	0.000181047	0.000211753
4307	0.000160966	0.000146881	0.000341032	0.00019953	0.000213322	0.000159857	0.000147245	0.000360198	0.00019953	0.000214115
4308	0.000178373	0.000162475	0.00038161	0.000223885	0.000199266	0.000177636	0.000163427	0.000403353	0.000223885	0.000201195
4309	0.000185451	0.00016885	0.000397685	0.000233567	0.000198801	0.00018484	0.000170009	0.000420432	0.000233567	0.000200693
4310	0.000186886	0.000170111	0.000401336	0.000236393	0.00019426	0.000186533	0.000171557	0.000424425	0.000236393	0.000195843
4311	0.000185615	0.000169053	0.000397337	0.000234686	0.000201639	0.000185366	0.000170581	0.000420222	0.000234686	0.000201619
4312	0.000201132	0.000183057	0.000432205	0.000255105	0.00019423	0.000200942	0.000184812	0.000457163	0.000255105	0.000193691
4313	0.000210375	0.000191434	0.000452511	0.000266773	0.000189489	0.000210113	0.000193209	0.000478619	0.000266773	0.000188611
4314	0.000207015	0.000188859	0.000439123	0.000257049	0.000187011	0.000205672	0.000189419	0.00046385	0.000257049	0.000185948
4315	0.000202299	0.000185303	0.000419572	0.000241886	0.00015564	0.000199039	0.000183736	0.000442117	0.000241886	0.000156598
4316	0.000193694	0.00017791	0.000395474	0.000225763	0.000124146	0.00018938	0.000175111	0.000416039	0.000225763	0.000127256
4317	0.000186555	0.000171871	0.000374265	0.000212845	0.000105263	0.000181445	0.000168095	0.000393502	0.000212845	0.000109169
4318	0.000169244	0.000156419	0.000333195	0.000189865	8.71384E-05	0.000164038	0.000152311	0.000350313	0.000189865	9.20235E-05
4319	0.000148589	0.000137259	0.000293431	0.000168057	8.40567E-05	0.000144308	0.000133956	0.000308753	0.000168057	8.87265E-05
4320	0.000133319	0.000122925	0.000266195	0.000154761	8.11957E-05	0.000130392	0.000120932	0.000280662	0.000154761	8.56595E-05
4321	0.000114226	0.000105122	0.00023061	0.000136005	8.3558E-05	0.000112476	0.000104218	0.000243653	0.000136005	8.81798E-05
4322	0.000106898	9.83059E-05	0.000216739	0.000129163	8.54856E-05	0.000105735	9.79571E-05	0.000229283	0.000129163	9.02354E-05
4323	0.000101831	9.36934E-05	0.000205859	0.000123406	9.05797E-05	0.000100884	9.35188E-05	0.000217875	0.000123406	9.56753E-05

4324	0.000101352	9.32997E-05	0.000204285	0.000122912	9.80299E-05	0.000100498	9.32114E-05	0.000216245	0.000122912	0.000103633
4325	0.000109663	0.000100887	0.000221859	0.000133004	0.00010589	0.00010869	0.000100752	0.000234775	0.000133004	0.000112033
4326	0.000121579	0.00011178	0.000246849	0.000147014	0.000110799	0.000120309	0.000111448	0.000261065	0.000147014	0.000117172
4327	0.000132939	0.000121773	0.000275686	0.000162569	0.000205627	0.000131752	0.000121707	0.000291315	0.000162569	0.000205966
4328	0.000134489	0.00012286	0.000283149	0.000166441	0.000207829	0.000133664	0.000123251	0.000299078	0.000166441	0.000208211
4329	0.000137207	0.00012542	0.000287892	0.000169099	0.000209851	0.000136245	0.000125683	0.000304014	0.000169099	0.000210388
4330	0.000146783	0.000134096	0.000308976	0.000181047	0.00021112	0.000145697	0.000134329	0.000326269	0.000181047	0.000211753
4331	0.000160966	0.000146881	0.000341032	0.00019953	0.000213322	0.000159857	0.000147245	0.000360198	0.00019953	0.000214115
4332	0.000178373	0.000162475	0.00038161	0.000223885	0.000199266	0.000177636	0.000163427	0.000403353	0.000223885	0.000201195
4333	0.000185451	0.00016885	0.000397685	0.000233567	0.000198801	0.00018484	0.000170009	0.000420432	0.000233567	0.000200693
4334	0.000186886	0.000170111	0.000401336	0.000236393	0.00019426	0.000186533	0.000171557	0.000424425	0.000236393	0.000195843
4335	0.000185615	0.000169053	0.000397337	0.000234686	0.000201639	0.000185366	0.000170581	0.000420222	0.000234686	0.000201619
4336	0.000201132	0.000183057	0.000432205	0.000255105	0.00019423	0.000200942	0.000184812	0.000457163	0.000255105	0.000193691
4337	0.000210375	0.000191434	0.000452511	0.000266773	0.000189489	0.000210113	0.000193209	0.000478619	0.000266773	0.000188611
4338	0.000207015	0.000188859	0.000439123	0.000257049	0.000187011	0.000205672	0.000189419	0.00046385	0.000257049	0.000185948
4339	0.000202299	0.000185303	0.000419572	0.000241886	0.00015564	0.000199039	0.000183736	0.000442117	0.000241886	0.000156598
4340	0.000193694	0.00017791	0.000395474	0.000225763	0.000124146	0.00018938	0.000175111	0.000416039	0.000225763	0.000127256
4341	0.000186555	0.000171871	0.000374265	0.000212845	0.000105263	0.000181445	0.000168095	0.000393502	0.000212845	0.000109169
4342	0.000169244	0.000156419	0.000333195	0.000189865	8.71384E-05	0.000164038	0.000152311	0.000350313	0.000189865	9.20235E-05
4343	0.000148589	0.000137259	0.000293431	0.000168057	8.40567E-05	0.000144308	0.000133956	0.000308753	0.000168057	8.87265E-05
4344	0.000133319	0.000122925	0.000266195	0.000154761	8.11957E-05	0.000130392	0.000120932	0.000280662	0.000154761	8.56595E-05
4345	0.000114226	0.000105122	0.00023061	0.000136005	8.3558E-05	0.000112476	0.000104218	0.000243653	0.000136005	8.81798E-05
4346	0.000106898	9.83059E-05	0.000216739	0.000129163	8.54856E-05	0.000105735	9.79571E-05	0.000229283	0.000129163	9.02354E-05
4347	0.000101831	9.36934E-05	0.000205859	0.000123406	9.05797E-05	0.000100884	9.35188E-05	0.000217875	0.000123406	9.56753E-05
4348	0.000101352	9.32997E-05	0.000204285	0.000122912	9.80299E-05	0.000100498	9.32114E-05	0.000216245	0.000122912	0.000103633
4349	0.000109663	0.000100887	0.000221859	0.000133004	0.00010589	0.00010869	0.000100752	0.000234775	0.000133004	0.000112033
4350	0.000121579	0.00011178	0.000246849	0.000147014	0.000110799	0.000120309	0.000111448	0.000261065	0.000147014	0.000117172
4351	0.000132939	0.000121773	0.000275686	0.000162569	0.000205627	0.000131752	0.000121707	0.000291315	0.000162569	0.000205966
4352	0.000134489	0.00012286	0.000283149	0.000166441	0.000207829	0.000133664	0.000123251	0.000299078	0.000166441	0.000208211
4353	0.000137207	0.00012542	0.000287892	0.000169099	0.000209851	0.000136245	0.000125683	0.000304014	0.000169099	0.000210388
4354	0.000146783	0.000134096	0.000308976	0.000181047	0.00021112	0.000145697	0.000134329	0.000326269	0.000181047	0.000211753
4355	0.000160966	0.000146881	0.000341032	0.00019953	0.000213322	0.000159857	0.000147245	0.000360198	0.00019953	0.000214115
4356	0.000178373	0.000162475	0.00038161	0.000223885	0.000199266	0.000177636	0.000163427	0.000403353	0.000223885	0.000201195
4357	0.000185451	0.00016885	0.000397685	0.000233567	0.000198801	0.00018484	0.000170009	0.000420432	0.000233567	0.000200693
4358	0.000186886	0.000170111	0.000401336	0.000236393	0.00019426	0.000186533	0.000171557	0.000424425	0.000236393	0.000195843
4359	0.000185615	0.000169053	0.000397337	0.000234686	0.000201639	0.000185366	0.000170581	0.000420222	0.000234686	0.000201619
4360	0.000201132	0.000183057	0.000432205	0.000255105	0.00019423	0.000200942	0.000184812	0.000457163	0.000255105	0.000193691
4361	0.000210375	0.000191434	0.000452511	0.000266773	0.000189489	0.000210113	0.000193209	0.000478619	0.000266773	0.000188611
4362	0.000207015	0.000188859	0.000439123	0.000257049	0.000187011	0.000205672	0.000189419	0.00046385	0.000257049	0.000185948
4363	0.000202299	0.000185303	0.000419572	0.000241886	0.00015564	0.000199039	0.000183736	0.000442117	0.000241886	0.000156598
4364	0.000193694	0.00017791	0.000395474	0.000225763	0.000124146	0.00018938	0.000175111	0.000416039	0.000225763	0.000127256
4365	0.000186555	0.000171871	0.000374265	0.000212845	0.000105263	0.000181445	0.000168095	0.000393502	0.000212845	0.000109169
4366	0.000169244	0.000156419	0.000333195	0.000189865	8.71384E-05	0.000164038	0.000152311	0.000350313	0.000189865	9.20235E-05
4367	0.000148589	0.000137259	0.000293431	0.000168057	8.40567E-05	0.000144308	0.000133956	0.000308753	0.000168057	8.87265E-05
4368	0.000133319	0.000122925	0.000266195	0.000154761	8.11957E-05	0.000130392	0.000120932	0.000280662	0.000154761	8.56595E-05
4369	0.000134209	0.00012333	0.000273278	0.000162481	8.74521E-05	0.000132827	0.000122997	0.000288962	0.000162481	9.2364E-05
4370	0.000122497	0.000112569	0.000249413	0.000149689	8.94201E-05	0.000121642	0.000112682	0.000263982	0.000149689	9.44622E-05
4371	0.000116417	0.000106985	0.000236999	0.000142731	9.44004E-05	0.000115739	0.000107227	0.000250942	0.000142731	9.97826E-05
4372	0.00011731	0.000107761	0.000239388	0.000144286	0.000101318	0.000116716	0.000108103	0.000253516	0.000144286	0.00010718
4373	0.000121417	0.000111556	0.000247469	0.000148691	0.000109001	0.000120642	0.000111745	0.000261969	0.000148691	0.000115391
4374	0.000128454	0.000118186	0.000259714	0.000155716	0.000113866	0.000127372	0.000118095	0.000274733	0.000155716	0.000120474
4375	0.000142191	0.000130405	0.000292869	0.000174251	0.000209196	0.000141261	0.000130665	0.000309571	0.000174251	0.000209805
4376	0.000155864	0.000142385	0.000328185	0.000194626	0.000211073	0.000155454	0.000143401	0.000346904	0.000194626	0.000211703
4377	0.000170111	0.000155318	0.000359234	0.000212938	0.000212736	0.000169718	0.000156495	0.000379767	0.000212938	0.000213491
4378	0.000184943	0.000168783	0.000391531	0.000231847	0.000213758	0.000184523	0.000170081	0.00041393	0.000231847	0.00021459
4379	0.000198606	0.000181131	0.000422003	0.000249535	0.000214009	0.000198169	0.000182556	0.000446178	0.000249535	0.000214864
4380	0.000211305	0.000192511	0.000451572	0.000267439	0.000199016	0.000211187	0.000194413	0.000477647	0.000267439	0.000200945
4381	0.000224207	0.000204153	0.000480573	0.000284946	0.000198361	0.000224305	0.000206417	0.000508449	0.000284946	0.000200243
4382	0.000235772	0.000214557	0.000506974	0.000301445	0.000195205	0.000236276	0.00021737	0.000536596	0.000301445	0.000196857
4383	0.000249225	0.000226595	0.000538522	0.000320166	0.000204936	0.000249965	0.00022981	0.000570125	0.000320166	0.000205152
4384	0.000260035	0.000236361	0.000562679	0.000334201	0.000199339	0.00026077	0.000239686	0.000595695	0.000334201	0.000199161
4385	0.000268467	0.000244037	0.000580777	0.000344688	0.000195632	0.000269131	0.00024737	0.000614808	0.000344688	0.000195184
4386	0.000264564	0.00024089	0.000567208	0.000334463	0.00019373	0.000264104	0.000242968	0.000599843	0.000334463	0.000193133
4387	0.000255575	0.000233369	0.00053945	0.000313844	0.000162475	0.000253089	0.000233176	0.000569391	0.000313844	0.000163907
4388	0.000240697	0.000220252	0.000502069	0.000289435	0.00013164	0.000237037	0.000218644	0.000529207	0.000289435	0.000135269
4389	0.000224953	0.000206587	0.000459733	0.0002645	0.000112756	0.000220432	0.000203824	0.000484247	0.0002645	0.000117182
4390	0.000203257	0.000187204	0.000408479	0.000235526	9.5851E-05	0.000198588	0.000184004	0.000430246	0.000235526	0.000101336
4391	0.000174955	0.000161135	0.000351625	0.000203415	9.20383E-05	0.000171096	0.00015854	0.000370541	0.000203415	9.72569E-05
4392	0.000151117	0.000139063	0.000305216	0.00017857	8.95971E-05	0.000148483	0.000137554	0.000322094	0.00017857	9.4645E-05
4393	0.00013478	0.000123843	0.000274607	0.000163262	8.70793E-05	0.000133405	0.000123523	0.000290373	0.000163262	9.19649E-05
4394	0.000122627	0.000112686	0.000249711	0.000149866	8.93716E-05	0.000121774	0.000112802	0.000264299	0.000149866	9.44106E-05
4395	0.000116463	0.000107029	0.000237061	0.000142783	9.43528E-05	0.000115786	0.000107274	0.000251007	0.000142783	9.9732E-05
4396	0.000117781	0.000108188	0.00024042	0.000144916	0.000101221	0.000117194	0.000108543	0.000254612	0.000144916	0.000107076
4397	0.000121873	0.000111975	0.000248416	0.00014929	0.000109005	0.000121108	0.000112177	0.000262974	0.00014929	0.000115395
4398	0.00012914	0.000118811	0.000261188	0.000156627	0.000113929	0.00012807	0.000118739	0.000276299	0.000156627	0.00012054
4399	0.000144466	0.000132728	0.000294521	0.000175359	0.000209207	0.000143202	0.000132618	0.000311317	0.000175359	0.000209818

4400	0.000155733	0.000142271	0.000327834	0.000194437	0.000211077	0.000155323	0.000143285	0.000346532	0.000194437	0.000211708
4401	0.000169316	0.000154607	0.000357354	0.000211843	0.00021275	0.000168915	0.000155766	0.000377771	0.000211843	0.000213507
4402	0.000184508	0.000168393	0.000390522	0.000231253	0.000213714	0.000184082	0.00016968	0.000412858	0.000231253	0.000214544
4403	0.000199352	0.000181807	0.000423636	0.000250532	0.000213932	0.000198928	0.000183253	0.000447912	0.000250532	0.000214784
4404	0.000212213	0.000193324	0.000453693	0.000268683	0.000198864	0.000212105	0.000195247	0.000479898	0.000268683	0.000200784
4405	0.000225344	0.000205174	0.000483189	0.000286495	0.000198149	0.000225456	0.000207466	0.000511228	0.000286495	0.000200017
4406	0.000237821	0.000216397	0.00051171	0.000304241	0.000195037	0.000238351	0.000219259	0.000541624	0.000304241	0.000196679
4407	0.000251564	0.000228699	0.000543863	0.000323343	0.000204965	0.000252335	0.000231972	0.000575796	0.000323343	0.000205187
4408	0.000262671	0.000238731	0.000568711	0.000337783	0.00019954	0.000263441	0.000242121	0.000602099	0.000337783	0.00019938
4409	0.000272526	0.000247691	0.000590014	0.000350194	0.000195819	0.000273246	0.000251126	0.000624615	0.000350194	0.000195388
4410	0.000268756	0.000244671	0.000576643	0.000340125	0.000193825	0.000268356	0.000246858	0.000609859	0.000340125	0.000193239
4411	0.000260132	0.000237481	0.000549692	0.000319996	0.000162524	0.000257712	0.000237406	0.000580265	0.000319996	0.000163965
4412	0.000244884	0.000224029	0.000511494	0.000295091	0.000131675	0.000241285	0.000222529	0.000539214	0.000295091	0.000135312
4413	0.000227076	0.000208226	0.000468058	0.00026935	0.000112729	0.000222951	0.000205945	0.000493093	0.00026935	0.000117157
4414	0.000206597	0.000190217	0.000415989	0.000240035	9.59213E-05	0.000201976	0.000187103	0.00043822	0.000240035	0.000101415
4415	0.000177406	0.000163351	0.000357073	0.00020671	9.21897E-05	0.000173584	0.000160821	0.000376325	0.00020671	9.74219E-05
4416	0.000153519	0.000141232	0.000310592	0.000181808	8.98264E-05	0.000150921	0.000139785	0.000327802	0.000181808	9.48933E-05
4417	0.00013478	0.000123843	0.000274607	0.000163262	8.70793E-05	0.000133405	0.000123523	0.000290373	0.000163262	9.19649E-05
4418	0.000122627	0.000112686	0.000249711	0.000149866	8.93716E-05	0.000121774	0.000112802	0.000264299	0.000149866	9.44106E-05
4419	0.000116463	0.000107029	0.000237061	0.000142783	9.43528E-05	0.000115786	0.000107274	0.000251007	0.000142783	9.9732E-05
4420	0.000117781	0.000108188	0.00024042	0.000144916	0.000101221	0.000117194	0.000108543	0.000254612	0.000144916	0.000107076
4421	0.000121873	0.000111975	0.000248416	0.00014929	0.000109005	0.000121108	0.000112177	0.000262974	0.00014929	0.000115395
4422	0.00012914	0.000118811	0.000261188	0.000156627	0.000113929	0.00012807	0.000118739	0.000276299	0.000156627	0.00012054
4423	0.000144466	0.000132728	0.000294521	0.000175359	0.000209207	0.000143202	0.000132618	0.000311317	0.000175359	0.000209818
4424	0.000155733	0.000142271	0.000327834	0.000194437	0.000211077	0.000155323	0.000143285	0.000346532	0.000194437	0.000211708
4425	0.000169316	0.000154607	0.000357354	0.000211843	0.00021275	0.000168915	0.000155766	0.000377771	0.000211843	0.000213507
4426	0.000184508	0.000168393	0.000390522	0.000231253	0.000213714	0.000184082	0.00016968	0.000412858	0.000231253	0.000214544
4427	0.000199352	0.000181807	0.000423636	0.000250532	0.000213932	0.000198928	0.000183253	0.000447912	0.000250532	0.000214784
4428	0.000212213	0.000193324	0.000453693	0.000268683	0.000198864	0.000212105	0.000195247	0.000479898	0.000268683	0.000200784
4429	0.000225344	0.000205174	0.000483189	0.000286495	0.000198149	0.000225456	0.000207466	0.000511228	0.000286495	0.000200017
4430	0.000237821	0.000216397	0.00051171	0.000304241	0.000195037	0.000238351	0.000219259	0.000541624	0.000304241	0.000196679
4431	0.000251564	0.000228699	0.000543863	0.000323343	0.000204965	0.000252335	0.000231972	0.000575796	0.000323343	0.000205187
4432	0.000262671	0.000238731	0.000568711	0.000337783	0.00019954	0.000263441	0.000242121	0.000602099	0.000337783	0.00019938
4433	0.000272526	0.000247691	0.000590014	0.000350194	0.000195819	0.000273246	0.000251126	0.000624615	0.000350194	0.000195388
4434	0.000268756	0.000244671	0.000576643	0.000340125	0.000193825	0.000268356	0.000246858	0.000609859	0.000340125	0.000193239
4435	0.000260132	0.000237481	0.000549692	0.000319996	0.000162524	0.000257712	0.000237406	0.000580265	0.000319996	0.000163965
4436	0.000244884	0.000224029	0.000511494	0.000295091	0.000131675	0.000241285	0.000222529	0.000539214	0.000295091	0.000135312
4437	0.000227076	0.000208226	0.000468058	0.00026935	0.000112729	0.000222951	0.000205945	0.000493093	0.00026935	0.000117157
4438	0.000206597	0.000190217	0.000415989	0.000240035	9.59213E-05	0.000201976	0.000187103	0.00043822	0.000240035	0.000101415
4439	0.000177406	0.000163351	0.000357073	0.00020671	9.21897E-05	0.000173584	0.000160821	0.000376325	0.00020671	9.74219E-05
4440	0.000153519	0.000141232	0.000310592	0.000181808	8.98264E-05	0.000150921	0.000139785	0.000327802	0.000181808	9.48933E-05
4441	0.00013478	0.000123843	0.000274607	0.000163262	8.70793E-05	0.000133405	0.000123523	0.000290373	0.000163262	9.19649E-05
4442	0.000122627	0.000112686	0.000249711	0.000149866	8.93716E-05	0.000121774	0.000112802	0.000264299	0.000149866	9.44106E-05
4443	0.000116463	0.000107029	0.000237061	0.000142783	9.43528E-05	0.000115786	0.000107274	0.000251007	0.000142783	9.9732E-05
4444	0.000117781	0.000108188	0.00024042	0.000144916	0.000101221	0.000117194	0.000108543	0.000254612	0.000144916	0.000107076
4445	0.000121873	0.000111975	0.000248416	0.00014929	0.000109005	0.000121108	0.000112177	0.000262974	0.00014929	0.000115395
4446	0.00012914	0.000118811	0.000261188	0.000156627	0.000113929	0.00012807	0.000118739	0.000276299	0.000156627	0.00012054
4447	0.000144466	0.000132728	0.000294521	0.000175359	0.000209207	0.000143202	0.000132618	0.000311317	0.000175359	0.000209818
4448	0.000155733	0.000142271	0.000327834	0.000194437	0.000211077	0.000155323	0.000143285	0.000346532	0.000194437	0.000211708
4449	0.000169316	0.000154607	0.000357354	0.000211843	0.00021275	0.000168915	0.000155766	0.000377771	0.000211843	0.000213507
4450	0.000184508	0.000168393	0.000390522	0.000231253	0.000213714	0.000184082	0.00016968	0.000412858	0.000231253	0.000214544
4451	0.000199352	0.000181807	0.000423636	0.000250532	0.000213932	0.000198928	0.000183253	0.000447912	0.000250532	0.000214784
4452	0.000212213	0.000193324	0.000453693	0.000268683	0.000198864	0.000212105	0.000195247	0.000479898	0.000268683	0.000200784
4453	0.000225344	0.000205174	0.000483189	0.000286495	0.000198149	0.000225456	0.000207466	0.000511228	0.000286495	0.000200017
4454	0.000237821	0.000216397	0.00051171	0.000304241	0.000195037	0.000238351	0.000219259	0.000541624	0.000304241	0.000196679
4455	0.000251564	0.000228699	0.000543863	0.000323343	0.000204965	0.000252335	0.000231972	0.000575796	0.000323343	0.000205187
4456	0.000262671	0.000238731	0.000568711	0.000337783	0.00019954	0.000263441	0.000242121	0.000602099	0.000337783	0.00019938
4457	0.000272526	0.000247691	0.000590014	0.000350194	0.000195819	0.000273246	0.000251126	0.000624615	0.000350194	0.000195388
4458	0.000268756	0.000244671	0.000576643	0.000340125	0.000193825	0.000268356	0.000246858	0.000609859	0.000340125	0.000193239
4459	0.000260132	0.000237481	0.000549692	0.000319996	0.000162524	0.000257712	0.000237406	0.000580265	0.000319996	0.000163965
4460	0.000244884	0.000224029	0.000511494	0.000295091	0.000131675	0.000241285	0.000222529	0.000539214	0.000295091	0.000135312
4461	0.000227076	0.000208226	0.000468058	0.00026935	0.000112729	0.000222951	0.000205945	0.000493093	0.00026935	0.000117157
4462	0.000206597	0.000190217	0.000415989	0.000240035	9.59213E-05	0.000201976	0.000187103	0.00043822	0.000240035	0.000101415
4463	0.000177406	0.000163351	0.000357073	0.00020671	9.21897E-05	0.000173584	0.000160821	0.000376325	0.00020671	9.74219E-05
4464	0.000153519	0.000141232	0.000310592	0.000181808	8.98264E-05	0.000150921	0.000139785	0.000327802	0.000181808	9.48933E-05
4465	0.000134209	0.00012333	0.000273278	0.000162481	8.74521E-05	0.000132827	0.000122997	0.000288962	0.000162481	9.2364E-05
4466	0.000122497	0.000112569	0.000249413	0.000149689	8.94201E-05	0.000121642	0.000112682	0.000263982	0.000149689	9.44622E-05
4467	0.000116417	0.000106985	0.000236999	0.000142731	9.44004E-05	0.000115739	0.000107227	0.000250942	0.000142731	9.97826E-05
4468	0.00011731	0.000107761	0.000239388	0.000144286	0.000101318	0.000116716	0.000108103	0.000253516	0.000144286	0.00010718
4469	0.000121417	0.000111556	0.000247469	0.000148691	0.000109001	0.000120642	0.000111745	0.000261969	0.000148691	0.000115391
4470	0.000128454	0.000118186	0.000259714	0.000155716	0.000113866	0.000127372	0.000118095	0.000274733	0.000155716	0.000120474
4471	0.000142191	0.000130405	0.000292869	0.000174251	0.000209196	0.000141261	0.000130665	0.000309571	0.000174251	0.000209805
4472	0.000155864	0.000142385	0.000328185	0.000194626	0.000211073	0.000155454	0.000143401	0.000346904	0.000194626	0.000211703
4473	0.000170111	0.000155318	0.000359234	0.000212938	0.000212736	0.000169718	0.000156495	0.000379767	0.000212938	0.000213491
4474	0.000184943	0.000168783	0.000391531	0.000231847	0.000213758	0.000184523	0.000170081	0.00041393	0.000231847	0.00021459
4475	0.000198606	0.000181131	0.000422003	0.000249535	0.000214009	0.000198169	0.000182556	0.000446178	0.000249535	0.000214864

4476	0.000211305	0.000192511	0.000451572	0.000267439	0.000199016	0.000211187	0.000194413	0.000477647	0.000267439	0.000200945
4477	0.000224207	0.000204153	0.000480573	0.000284946	0.000198361	0.000224305	0.000206417	0.000508449	0.000284946	0.000200243
4478	0.000235772	0.000214557	0.000506974	0.000301445	0.000195205	0.000236276	0.00021737	0.000536596	0.000301445	0.000196857
4479	0.000249225	0.000226595	0.000538522	0.000320166	0.000204936	0.000249965	0.00022981	0.000570125	0.000320166	0.000205152
4480	0.000260035	0.000236361	0.000562679	0.000334201	0.000199339	0.00026077	0.000239686	0.000595695	0.000334201	0.000199161
4481	0.000268467	0.000244037	0.000580777	0.000344688	0.000195632	0.000269131	0.00024737	0.000614808	0.000344688	0.000195184
4482	0.000264564	0.00024089	0.000567208	0.000334463	0.00019373	0.000264104	0.000242968	0.000599843	0.000334463	0.000193133
4483	0.000255575	0.000233369	0.00053945	0.000313844	0.000162475	0.000253089	0.000233176	0.000569391	0.000313844	0.000163907
4484	0.000240697	0.000220252	0.000502069	0.000289435	0.00013164	0.000237037	0.000218644	0.000529207	0.000289435	0.000135269
4485	0.000224953	0.000206587	0.000459733	0.0002645	0.000112756	0.000220432	0.000203824	0.000484247	0.0002645	0.000117182
4486	0.000203257	0.000187204	0.000408479	0.000235526	9.5851E-05	0.000198588	0.000184004	0.000430246	0.000235526	0.000101336
4487	0.000174955	0.000161135	0.000351625	0.000203415	9.20383E-05	0.000171096	0.00015854	0.000370541	0.000203415	9.72569E-05
4488	0.000151117	0.000139063	0.000305216	0.00017857	8.95971E-05	0.000148483	0.000137554	0.000322094	0.00017857	9.4645E-05
4489	0.000134209	0.00012333	0.000273278	0.000162481	8.74521E-05	0.000132827	0.000122997	0.000288962	0.000162481	9.2364E-05
4490	0.000122497	0.000112569	0.000249413	0.000149689	8.94201E-05	0.000121642	0.000112682	0.000263982	0.000149689	9.44622E-05
4491	0.000116417	0.000106985	0.000236999	0.000142731	9.44004E-05	0.000115739	0.000107227	0.000250942	0.000142731	9.97826E-05
4492	0.00011731	0.000107761	0.000239388	0.000144286	0.000101318	0.000116716	0.000108103	0.000253516	0.000144286	0.00010718
4493	0.000121417	0.000111556	0.000247469	0.000148691	0.000109001	0.000120642	0.000111745	0.000261969	0.000148691	0.000115391
4494	0.000128454	0.000118186	0.000259714	0.000155716	0.000113866	0.000127372	0.000118095	0.000274733	0.000155716	0.000120474
4495	0.000142191	0.000130405	0.000292869	0.000174251	0.000209196	0.000141261	0.000130665	0.000309571	0.000174251	0.000209805
4496	0.000155864	0.000142385	0.000328185	0.000194626	0.000211073	0.000155454	0.000143401	0.000346904	0.000194626	0.000211703
4497	0.000170111	0.000155318	0.000359234	0.000212938	0.000212736	0.000169718	0.000156495	0.000379767	0.000212938	0.000213491
4498	0.000184943	0.000168783	0.000391531	0.000231847	0.000213758	0.000184523	0.000170081	0.00041393	0.000231847	0.00021459
4499	0.000198606	0.000181131	0.000422003	0.000249535	0.000214009	0.000198169	0.000182556	0.000446178	0.000249535	0.000214864
4500	0.000211305	0.000192511	0.000451572	0.000267439	0.000199016	0.000211187	0.000194413	0.000477647	0.000267439	0.000200945
4501	0.000224207	0.000204153	0.000480573	0.000284946	0.000198361	0.000224305	0.000206417	0.000508449	0.000284946	0.000200243
4502	0.000235772	0.000214557	0.000506974	0.000301445	0.000195205	0.000236276	0.00021737	0.000536596	0.000301445	0.000196857
4503	0.000249225	0.000226595	0.000538522	0.000320166	0.000204936	0.000249965	0.00022981	0.000570125	0.000320166	0.000205152
4504	0.000260035	0.000236361	0.000562679	0.000334201	0.000199339	0.00026077	0.000239686	0.000595695	0.000334201	0.000199161
4505	0.000268467	0.000244037	0.000580777	0.000344688	0.000195632	0.000269131	0.00024737	0.000614808	0.000344688	0.000195184
4506	0.000264564	0.00024089	0.000567208	0.000334463	0.00019373	0.000264104	0.000242968	0.000599843	0.000334463	0.000193133
4507	0.000255575	0.000233369	0.00053945	0.000313844	0.000162475	0.000253089	0.000233176	0.000569391	0.000313844	0.000163907
4508	0.000240697	0.000220252	0.000502069	0.000289435	0.00013164	0.000237037	0.000218644	0.000529207	0.000289435	0.000135269
4509	0.000224953	0.000206587	0.000459733	0.0002645	0.000112756	0.000220432	0.000203824	0.000484247	0.0002645	0.000117182
4510	0.000203257	0.000187204	0.000408479	0.000235526	9.5851E-05	0.000198588	0.000184004	0.000430246	0.000235526	0.000101336
4511	0.000174955	0.000161135	0.000351625	0.000203415	9.20383E-05	0.000171096	0.00015854	0.000370541	0.000203415	9.72569E-05
4512	0.000151117	0.000139063	0.000305216	0.00017857	8.95971E-05	0.000148483	0.000137554	0.000322094	0.00017857	9.4645E-05
4513	0.000134209	0.00012333	0.000273278	0.000162481	8.74521E-05	0.000132827	0.000122997	0.000288962	0.000162481	9.2364E-05
4514	0.000122497	0.000112569	0.000249413	0.000149689	8.94201E-05	0.000121642	0.000112682	0.000263982	0.000149689	9.44622E-05
4515	0.000116417	0.000106985	0.000236999	0.000142731	9.44004E-05	0.000115739	0.000107227	0.000250942	0.000142731	9.97826E-05
4516	0.00011731	0.000107761	0.000239388	0.000144286	0.000101318	0.000116716	0.000108103	0.000253516	0.000144286	0.00010718
4517	0.000121417	0.000111556	0.000247469	0.000148691	0.000109001	0.000120642	0.000111745	0.000261969	0.000148691	0.000115391
4518	0.000128454	0.000118186	0.000259714	0.000155716	0.000113866	0.000127372	0.000118095	0.000274733	0.000155716	0.000120474
4519	0.000142191	0.000130405	0.000292869	0.000174251	0.000209196	0.000141261	0.000130665	0.000309571	0.000174251	0.000209805
4520	0.000155864	0.000142385	0.000328185	0.000194626	0.000211073	0.000155454	0.000143401	0.000346904	0.000194626	0.000211703
4521	0.000170111	0.000155318	0.000359234	0.000212938	0.000212736	0.000169718	0.000156495	0.000379767	0.000212938	0.000213491
4522	0.000184943	0.000168783	0.000391531	0.000231847	0.000213758	0.000184523	0.000170081	0.00041393	0.000231847	0.00021459
4523	0.000198606	0.000181131	0.000422003	0.000249535	0.000214009	0.000198169	0.000182556	0.000446178	0.000249535	0.000214864
4524	0.000211305	0.000192511	0.000451572	0.000267439	0.000199016	0.000211187	0.000194413	0.000477647	0.000267439	0.000200945
4525	0.000224207	0.000204153	0.000480573	0.000284946	0.000198361	0.000224305	0.000206417	0.000508449	0.000284946	0.000200243
4526	0.000235772	0.000214557	0.000506974	0.000301445	0.000195205	0.000236276	0.00021737	0.000536596	0.000301445	0.000196857
4527	0.000249225	0.000226595	0.000538522	0.000320166	0.000204936	0.000249965	0.00022981	0.000570125	0.000320166	0.000205152
4528	0.000260035	0.000236361	0.000562679	0.000334201	0.000199339	0.00026077	0.000239686	0.000595695	0.000334201	0.000199161
4529	0.000268467	0.000244037	0.000580777	0.000344688	0.000195632	0.000269131	0.00024737	0.000614808	0.000344688	0.000195184
4530	0.000264564	0.00024089	0.000567208	0.000334463	0.00019373	0.000264104	0.000242968	0.000599843	0.000334463	0.000193133
4531	0.000255575	0.000233369	0.00053945	0.000313844	0.000162475	0.000253089	0.000233176	0.000569391	0.000313844	0.000163907
4532	0.000240697	0.000220252	0.000502069	0.000289435	0.00013164	0.000237037	0.000218644	0.000529207	0.000289435	0.000135269
4533	0.000224953	0.000206587	0.000459733	0.0002645	0.000112756	0.000220432	0.000203824	0.000484247	0.0002645	0.000117182
4534	0.000203257	0.000187204	0.000408479	0.000235526	9.5851E-05	0.000198588	0.000184004	0.000430246	0.000235526	0.000101336
4535	0.000174955	0.000161135	0.000351625	0.000203415	9.20383E-05	0.000171096	0.00015854	0.000370541	0.000203415	9.72569E-05
4536	0.000151117	0.000139063	0.000305216	0.00017857	8.95971E-05	0.000148483	0.000137554	0.000322094	0.00017857	9.4645E-05
4537	0.000134209	0.00012333	0.000273278	0.000162481	8.74521E-05	0.000132827	0.000122997	0.000288962	0.000162481	9.2364E-05
4538	0.000122497	0.000112569	0.000249413	0.000149689	8.94201E-05	0.000121642	0.000112682	0.000263982	0.000149689	9.44622E-05
4539	0.000116417	0.000106985	0.000236999	0.000142731	9.44004E-05	0.000115739	0.000107227	0.000250942	0.000142731	9.97826E-05
4540	0.00011731	0.000107761	0.000239388	0.000144286	0.000101318	0.000116716	0.000108103	0.000253516	0.000144286	0.00010718
4541	0.000121417	0.000111556	0.000247469	0.000148691	0.000109001	0.000120642	0.000111745	0.000261969	0.000148691	0.000115391
4542	0.000128454	0.000118186	0.000259714	0.000155716	0.000113866	0.000127372	0.000118095	0.000274733	0.000155716	0.000120474
4543	0.000142191	0.000130405	0.000292869	0.000174251	0.000209196	0.000141261	0.000130665	0.000309571	0.000174251	0.000209805
4544	0.000155864	0.000142385	0.000328185	0.000194626	0.000211073	0.000155454	0.000143401	0.000346904	0.000194626	0.000211703
4545	0.000170111	0.000155318	0.000359234	0.000212938	0.000212736	0.000169718	0.000156495	0.000379767	0.000212938	0.000213491
4546	0.000184943	0.000168783	0.000391531	0.000231847	0.000213758	0.000184523	0.000170081	0.00041393	0.000231847	0.00021459
4547	0.000198606	0.000181131	0.000422003	0.000249535	0.000214009	0.000198169	0.000182556	0.000446178	0.000249535	0.000214864
4548	0.000211305	0.000192511	0.000451572	0.000267439	0.000199016	0.000211187	0.000194413	0.000477647	0.000267439	0.000200945
4549	0.000224207	0.000204153	0.000480573	0.000284946	0.000198361	0.000224305	0.000206417	0.000508449	0.000284946	0.000200243
4550	0.000235772	0.000214557	0.000506974	0.000301445	0.000195205	0.000236276	0.00021737	0.000536596	0.000301445	0.000196857
4551	0.000249225	0.000226595	0.000538522	0.000320166	0.000204936	0.000249965	0.00022981	0.000570125	0.000320166	0.000205152

4552	0.000260035	0.000236361	0.000562679	0.000334201	0.000199339	0.00026077	0.000239686	0.000595695	0.000334201	0.000199161
4553	0.000268467	0.000244037	0.000580777	0.000344688	0.000195632	0.000269131	0.00024737	0.000614808	0.000344688	0.000195184
4554	0.000264564	0.00024089	0.000567208	0.000334463	0.00019373	0.000264104	0.000242968	0.000599843	0.000334463	0.000193133
4555	0.000255575	0.000233369	0.00053945	0.000313844	0.000162475	0.000253089	0.000233176	0.000569391	0.000313844	0.000163907
4556	0.000240697	0.000220252	0.000502069	0.000289435	0.00013164	0.000237037	0.000218644	0.000529207	0.000289435	0.000135269
4557	0.000224953	0.000206587	0.000459733	0.0002645	0.000112756	0.000220432	0.000203824	0.000484247	0.0002645	0.000117182
4558	0.000203257	0.000187204	0.000408479	0.000235526	9.5851E-05	0.000198588	0.000184004	0.000430246	0.000235526	0.000101336
4559	0.000174955	0.000161135	0.000351625	0.000203415	9.20383E-05	0.000171096	0.00015854	0.000370541	0.000203415	9.72569E-05
4560	0.000151117	0.000139063	0.000305216	0.00017857	8.95971E-05	0.000148483	0.000137554	0.000322094	0.00017857	9.4645E-05
4561	0.00013478	0.000123843	0.000274607	0.000163262	8.70793E-05	0.000133405	0.000123523	0.000290373	0.000163262	9.19649E-05
4562	0.000122627	0.000112686	0.000249711	0.000149866	8.93716E-05	0.000121774	0.000112802	0.000264299	0.000149866	9.44106E-05
4563	0.000116463	0.000107029	0.000237061	0.000142783	9.43528E-05	0.000115786	0.000107274	0.000251007	0.000142783	9.9732E-05
4564	0.000117781	0.000108188	0.00024042	0.000144916	0.000101221	0.000117194	0.000108543	0.000254612	0.000144916	0.000107076
4565	0.000121873	0.000111975	0.000248416	0.00014929	0.000109005	0.000121108	0.000112177	0.000262974	0.00014929	0.000115395
4566	0.00012914	0.000118811	0.000261188	0.000156627	0.000113929	0.00012807	0.000118739	0.000276299	0.000156627	0.00012054
4567	0.000144466	0.000132728	0.000294521	0.000175359	0.000209207	0.000143202	0.000132618	0.000311317	0.000175359	0.000209818
4568	0.000155733	0.000142271	0.000327834	0.000194437	0.000211077	0.000155323	0.000143285	0.000346532	0.000194437	0.000211708
4569	0.000169316	0.000154607	0.000357354	0.000211843	0.00021275	0.000168915	0.000155766	0.000377771	0.000211843	0.000213507
4570	0.000184508	0.000168393	0.000390522	0.000231253	0.000213714	0.000184082	0.00016968	0.000412858	0.000231253	0.000214544
4571	0.000199352	0.000181807	0.000423636	0.000250532	0.000213932	0.000198928	0.000183253	0.000447912	0.000250532	0.000214784
4572	0.000212213	0.000193324	0.000453693	0.000268683	0.000198864	0.000212105	0.000195247	0.000479898	0.000268683	0.000200784
4573	0.000225344	0.000205174	0.000483189	0.000286495	0.000198149	0.000225456	0.000207466	0.000511228	0.000286495	0.000200017
4574	0.000237821	0.000216397	0.00051171	0.000304241	0.000195037	0.000238351	0.000219259	0.000541624	0.000304241	0.000196679
4575	0.000251564	0.000228699	0.000543863	0.000323343	0.000204965	0.000252335	0.000231972	0.000575796	0.000323343	0.000205187
4576	0.000262671	0.000238731	0.000568711	0.000337783	0.00019954	0.000263441	0.000242121	0.000602099	0.000337783	0.00019938
4577	0.000272526	0.000247691	0.000590014	0.000350194	0.000195819	0.000273246	0.000251126	0.000624615	0.000350194	0.000195388
4578	0.000268756	0.000244671	0.000576643	0.000340125	0.000193825	0.000268356	0.000246858	0.000609859	0.000340125	0.000193239
4579	0.000260132	0.000237481	0.000549692	0.000319996	0.000162524	0.000257712	0.000237406	0.000580265	0.000319996	0.000163965
4580	0.000244884	0.000224029	0.000511494	0.000295091	0.000131675	0.000241285	0.000222529	0.000539214	0.000295091	0.000135312
4581	0.000227076	0.000208226	0.000468058	0.00026935	0.000112729	0.000222951	0.000205945	0.000493093	0.00026935	0.000117157
4582	0.000206597	0.000190217	0.000415989	0.000240035	9.59213E-05	0.000201976	0.000187103	0.00043822	0.000240035	0.000101415
4583	0.000177406	0.000163351	0.000357073	0.00020671	9.21897E-05	0.000173584	0.000160821	0.000376325	0.00020671	9.74219E-05
4584	0.000153519	0.000141232	0.000310592	0.000181808	8.98264E-05	0.000150921	0.000139785	0.000327802	0.000181808	9.48933E-05
4585	0.00013478	0.000123843	0.000274607	0.000163262	8.70793E-05	0.000133405	0.000123523	0.000290373	0.000163262	9.19649E-05
4586	0.000122627	0.000112686	0.000249711	0.000149866	8.93716E-05	0.000121774	0.000112802	0.000264299	0.000149866	9.44106E-05
4587	0.000116463	0.000107029	0.000237061	0.000142783	9.43528E-05	0.000115786	0.000107274	0.000251007	0.000142783	9.9732E-05
4588	0.000117781	0.000108188	0.00024042	0.000144916	0.000101221	0.000117194	0.000108543	0.000254612	0.000144916	0.000107076
4589	0.000121873	0.000111975	0.000248416	0.00014929	0.000109005	0.000121108	0.000112177	0.000262974	0.00014929	0.000115395
4590	0.00012914	0.000118811	0.000261188	0.000156627	0.000113929	0.00012807	0.000118739	0.000276299	0.000156627	0.00012054
4591	0.000144466	0.000132728	0.000294521	0.000175359	0.000209207	0.000143202	0.000132618	0.000311317	0.000175359	0.000209818
4592	0.000155733	0.000142271	0.000327834	0.000194437	0.000211077	0.000155323	0.000143285	0.000346532	0.000194437	0.000211708
4593	0.000169316	0.000154607	0.000357354	0.000211843	0.00021275	0.000168915	0.000155766	0.000377771	0.000211843	0.000213507
4594	0.000184508	0.000168393	0.000390522	0.000231253	0.000213714	0.000184082	0.00016968	0.000412858	0.000231253	0.000214544
4595	0.000199352	0.000181807	0.000423636	0.000250532	0.000213932	0.000198928	0.000183253	0.000447912	0.000250532	0.000214784
4596	0.000212213	0.000193324	0.000453693	0.000268683	0.000198864	0.000212105	0.000195247	0.000479898	0.000268683	0.000200784
4597	0.000225344	0.000205174	0.000483189	0.000286495	0.000198149	0.000225456	0.000207466	0.000511228	0.000286495	0.000200017
4598	0.000237821	0.000216397	0.00051171	0.000304241	0.000195037	0.000238351	0.000219259	0.000541624	0.000304241	0.000196679
4599	0.000251564	0.000228699	0.000543863	0.000323343	0.000204965	0.000252335	0.000231972	0.000575796	0.000323343	0.000205187
4600	0.000262671	0.000238731	0.000568711	0.000337783	0.00019954	0.000263441	0.000242121	0.000602099	0.000337783	0.00019938
4601	0.000272526	0.000247691	0.000590014	0.000350194	0.000195819	0.000273246	0.000251126	0.000624615	0.000350194	0.000195388
4602	0.000268756	0.000244671	0.000576643	0.000340125	0.000193825	0.000268356	0.000246858	0.000609859	0.000340125	0.000193239
4603	0.000260132	0.000237481	0.000549692	0.000319996	0.000162524	0.000257712	0.000237406	0.000580265	0.000319996	0.000163965
4604	0.000244884	0.000224029	0.000511494	0.000295091	0.000131675	0.000241285	0.000222529	0.000539214	0.000295091	0.000135312
4605	0.000227076	0.000208226	0.000468058	0.00026935	0.000112729	0.000222951	0.000205945	0.000493093	0.00026935	0.000117157
4606	0.000206597	0.000190217	0.000415989	0.000240035	9.59213E-05	0.000201976	0.000187103	0.00043822	0.000240035	0.000101415
4607	0.000177406	0.000163351	0.000357073	0.00020671	9.21897E-05	0.000173584	0.000160821	0.000376325	0.00020671	9.74219E-05
4608	0.000153519	0.000141232	0.000310592	0.000181808	8.98264E-05	0.000150921	0.000139785	0.000327802	0.000181808	9.48933E-05
4609	0.000134209	0.00012333	0.000273278	0.000162481	8.74521E-05	0.000132827	0.000122997	0.000288962	0.000162481	9.2364E-05
4610	0.000122497	0.000112569	0.000249413	0.000149689	8.94201E-05	0.000121642	0.000112682	0.000263982	0.000149689	9.44622E-05
4611	0.000116417	0.000106985	0.000236999	0.000142731	9.44004E-05	0.000115739	0.000107227	0.000250942	0.000142731	9.97826E-05
4612	0.00011731	0.000107761	0.000239388	0.000144286	0.000101318	0.000116716	0.000108103	0.000253516	0.000144286	0.00010718
4613	0.000121417	0.000111556	0.000247469	0.000148691	0.000109001	0.000120642	0.000111745	0.000261969	0.000148691	0.000115391
4614	0.000128454	0.000118186	0.000259714	0.000155716	0.000113866	0.000127372	0.000118095	0.000274733	0.000155716	0.000120474
4615	0.000142191	0.000130405	0.000292869	0.000174251	0.000209196	0.000141261	0.000130665	0.000309571	0.000174251	0.000209805
4616	0.000155864	0.000142385	0.000328185	0.000194626	0.000211073	0.000155454	0.000143401	0.000346904	0.000194626	0.000211703
4617	0.000170111	0.000155318	0.000359234	0.000212938	0.000212736	0.000169718	0.000156495	0.000379767	0.000212938	0.000213491
4618	0.000184943	0.000168783	0.000391531	0.000231847	0.000213758	0.000184523	0.000170081	0.00041393	0.000231847	0.00021459
4619	0.000198606	0.000181131	0.000422003	0.000249535	0.000214009	0.000198169	0.000182556	0.000446178	0.000249535	0.000214864
4620	0.000211305	0.000192511	0.000451572	0.000267439	0.000199016	0.000211187	0.000194413	0.000477647	0.000267439	0.000200945
4621	0.000224207	0.000204153	0.000480573	0.000284946	0.000198361	0.000224305	0.000206417	0.000508449	0.000284946	0.000200243
4622	0.000235772	0.000214557	0.000506974	0.000301445	0.000195205	0.000236276	0.00021737	0.000536596	0.000301445	0.000196857
4623	0.000249225	0.000226595	0.000538522	0.000320166	0.000204936	0.000249965	0.00022981	0.000570125	0.000320166	0.000205152
4624	0.000260035	0.000236361	0.000562679	0.000334201	0.000199339	0.00026077	0.000239686	0.000595695	0.000334201	0.000199161
4625	0.000268467	0.000244037	0.000580777	0.000344688	0.000195632	0.000269131	0.00024737	0.000614808	0.000344688	0.000195184
4626	0.000264564	0.00024089	0.000567208	0.000334463	0.00019373	0.000264104	0.000242968	0.000599843	0.000334463	0.000193133
4627	0.000255575	0.000233369	0.00053945	0.000313844	0.000162475	0.000253089	0.000233176	0.000569391	0.000313844	0.000163907

4628	0.000240697	0.000220252	0.000502069	0.000289435	0.00013164	0.000237037	0.000218644	0.000529207	0.000289435	0.000135269
4629	0.000224953	0.000206587	0.000459733	0.0002645	0.000112756	0.000220432	0.000203824	0.000484247	0.0002645	0.000117182
4630	0.000203257	0.000187204	0.000408479	0.000235526	9.5851E-05	0.000198588	0.000184004	0.000430246	0.000235526	0.000101336
4631	0.000174955	0.000161135	0.000351625	0.000203415	9.20383E-05	0.000171096	0.00015854	0.000370541	0.000203415	9.72569E-05
4632	0.000151117	0.000139063	0.000305216	0.00017857	8.95971E-05	0.000148483	0.000137554	0.000322094	0.00017857	9.4645E-05
4633	0.000134209	0.00012333	0.000273278	0.000162481	8.74521E-05	0.000132827	0.000122997	0.000288962	0.000162481	9.2364E-05
4634	0.000122497	0.000112569	0.000249413	0.000149689	8.94201E-05	0.000121642	0.000112682	0.000263982	0.000149689	9.44622E-05
4635	0.000116417	0.000106985	0.000236999	0.000142731	9.44004E-05	0.000115739	0.000107227	0.000250942	0.000142731	9.97826E-05
4636	0.00011731	0.000107761	0.000239388	0.000144286	0.000101318	0.000116716	0.000108103	0.000253516	0.000144286	0.00010718
4637	0.000121417	0.000111556	0.000247469	0.000148691	0.000109001	0.000120642	0.000111745	0.000261969	0.000148691	0.000115391
4638	0.000128454	0.000118186	0.000259714	0.000155716	0.000113866	0.000127372	0.000118095	0.000274733	0.000155716	0.000120474
4639	0.000142191	0.000130405	0.000292869	0.000174251	0.000209196	0.000141261	0.000130665	0.000309571	0.000174251	0.000209805
4640	0.000155864	0.000142385	0.000328185	0.000194626	0.000211073	0.000155454	0.000143401	0.000346904	0.000194626	0.000211703
4641	0.000170111	0.000155318	0.000359234	0.000212938	0.000212736	0.000169718	0.000156495	0.000379767	0.000212938	0.000213491
4642	0.000184943	0.000168783	0.000391531	0.000231847	0.000213758	0.000184523	0.000170081	0.00041393	0.000231847	0.00021459
4643	0.000198606	0.000181131	0.000422003	0.000249535	0.000214009	0.000198169	0.000182556	0.000446178	0.000249535	0.000214864
4644	0.000211305	0.000192511	0.000451572	0.000267439	0.000199016	0.000211187	0.000194413	0.000477647	0.000267439	0.000200945
4645	0.000224207	0.000204153	0.000480573	0.000284946	0.000198361	0.000224305	0.000206417	0.000508449	0.000284946	0.000200243
4646	0.000235772	0.000214557	0.000506974	0.000301445	0.000195205	0.000236276	0.00021737	0.000536596	0.000301445	0.000196857
4647	0.000249225	0.000226595	0.000538522	0.000320166	0.000204936	0.000249965	0.00022981	0.000570125	0.000320166	0.000205152
4648	0.000260035	0.000236361	0.000562679	0.000334201	0.000199339	0.00026077	0.000239686	0.000595695	0.000334201	0.000199161
4649	0.000268467	0.000244037	0.000580777	0.000344688	0.000195632	0.000269131	0.00024737	0.000614808	0.000344688	0.000195184
4650	0.000264564	0.00024089	0.000567208	0.000334463	0.00019373	0.000264104	0.000242968	0.000599843	0.000334463	0.000193133
4651	0.000255575	0.000233369	0.00053945	0.000313844	0.000162475	0.000253089	0.000233176	0.000569391	0.000313844	0.000163907
4652	0.000240697	0.000220252	0.000502069	0.000289435	0.00013164	0.000237037	0.000218644	0.000529207	0.000289435	0.000135269
4653	0.000224953	0.000206587	0.000459733	0.0002645	0.000112756	0.000220432	0.000203824	0.000484247	0.0002645	0.000117182
4654	0.000203257	0.000187204	0.000408479	0.000235526	9.5851E-05	0.000198588	0.000184004	0.000430246	0.000235526	0.000101336
4655	0.000174955	0.000161135	0.000351625	0.000203415	9.20383E-05	0.000171096	0.00015854	0.000370541	0.000203415	9.72569E-05
4656	0.000151117	0.000139063	0.000305216	0.00017857	8.95971E-05	0.000148483	0.000137554	0.000322094	0.00017857	9.4645E-05
4657	0.000134209	0.00012333	0.000273278	0.000162481	8.74521E-05	0.000132827	0.000122997	0.000288962	0.000162481	9.2364E-05
4658	0.000122497	0.000112569	0.000249413	0.000149689	8.94201E-05	0.000121642	0.000112682	0.000263982	0.000149689	9.44622E-05
4659	0.000116417	0.000106985	0.000236999	0.000142731	9.44004E-05	0.000115739	0.000107227	0.000250942	0.000142731	9.97826E-05
4660	0.00011731	0.000107761	0.000239388	0.000144286	0.000101318	0.000116716	0.000108103	0.000253516	0.000144286	0.00010718
4661	0.000121417	0.000111556	0.000247469	0.000148691	0.000109001	0.000120642	0.000111745	0.000261969	0.000148691	0.000115391
4662	0.000128454	0.000118186	0.000259714	0.000155716	0.000113866	0.000127372	0.000118095	0.000274733	0.000155716	0.000120474
4663	0.000142191	0.000130405	0.000292869	0.000174251	0.000209196	0.000141261	0.000130665	0.000309571	0.000174251	0.000209805
4664	0.000155864	0.000142385	0.000328185	0.000194626	0.000211073	0.000155454	0.000143401	0.000346904	0.000194626	0.000211703
4665	0.000170111	0.000155318	0.000359234	0.000212938	0.000212736	0.000169718	0.000156495	0.000379767	0.000212938	0.000213491
4666	0.000184943	0.000168783	0.000391531	0.000231847	0.000213758	0.000184523	0.000170081	0.00041393	0.000231847	0.00021459
4667	0.000198606	0.000181131	0.000422003	0.000249535	0.000214009	0.000198169	0.000182556	0.000446178	0.000249535	0.000214864
4668	0.000211305	0.000192511	0.000451572	0.000267439	0.000199016	0.000211187	0.000194413	0.000477647	0.000267439	0.000200945
4669	0.000224207	0.000204153	0.000480573	0.000284946	0.000198361	0.000224305	0.000206417	0.000508449	0.000284946	0.000200243
4670	0.000235772	0.000214557	0.000506974	0.000301445	0.000195205	0.000236276	0.00021737	0.000536596	0.000301445	0.000196857
4671	0.000249225	0.000226595	0.000538522	0.000320166	0.000204936	0.000249965	0.00022981	0.000570125	0.000320166	0.000205152
4672	0.000260035	0.000236361	0.000562679	0.000334201	0.000199339	0.00026077	0.000239686	0.000595695	0.000334201	0.000199161
4673	0.000268467	0.000244037	0.000580777	0.000344688	0.000195632	0.000269131	0.00024737	0.000614808	0.000344688	0.000195184
4674	0.000264564	0.00024089	0.000567208	0.000334463	0.00019373	0.000264104	0.000242968	0.000599843	0.000334463	0.000193133
4675	0.000255575	0.000233369	0.00053945	0.000313844	0.000162475	0.000253089	0.000233176	0.000569391	0.000313844	0.000163907
4676	0.000240697	0.000220252	0.000502069	0.000289435	0.00013164	0.000237037	0.000218644	0.000529207	0.000289435	0.000135269
4677	0.000224953	0.000206587	0.000459733	0.0002645	0.000112756	0.000220432	0.000203824	0.000484247	0.0002645	0.000117182
4678	0.000203257	0.000187204	0.000408479	0.000235526	9.5851E-05	0.000198588	0.000184004	0.000430246	0.000235526	0.000101336
4679	0.000174955	0.000161135	0.000351625	0.000203415	9.20383E-05	0.000171096	0.00015854	0.000370541	0.000203415	9.72569E-05
4680	0.000151117	0.000139063	0.000305216	0.00017857	8.95971E-05	0.000148483	0.000137554	0.000322094	0.00017857	9.4645E-05
4681	0.000134209	0.00012333	0.000273278	0.000162481	8.74521E-05	0.000132827	0.000122997	0.000288962	0.000162481	9.2364E-05
4682	0.000122497	0.000112569	0.000249413	0.000149689	8.94201E-05	0.000121642	0.000112682	0.000263982	0.000149689	9.44622E-05
4683	0.000116417	0.000106985	0.000236999	0.000142731	9.44004E-05	0.000115739	0.000107227	0.000250942	0.000142731	9.97826E-05
4684	0.00011731	0.000107761	0.000239388	0.000144286	0.000101318	0.000116716	0.000108103	0.000253516	0.000144286	0.00010718
4685	0.000121417	0.000111556	0.000247469	0.000148691	0.000109001	0.000120642	0.000111745	0.000261969	0.000148691	0.000115391
4686	0.000128454	0.000118186	0.000259714	0.000155716	0.000113866	0.000127372	0.000118095	0.000274733	0.000155716	0.000120474
4687	0.000142191	0.000130405	0.000292869	0.000174251	0.000209196	0.000141261	0.000130665	0.000309571	0.000174251	0.000209805
4688	0.000155864	0.000142385	0.000328185	0.000194626	0.000211073	0.000155454	0.000143401	0.000346904	0.000194626	0.000211703
4689	0.000170111	0.000155318	0.000359234	0.000212938	0.000212736	0.000169718	0.000156495	0.000379767	0.000212938	0.000213491
4690	0.000184943	0.000168783	0.000391531	0.000231847	0.000213758	0.000184523	0.000170081	0.00041393	0.000231847	0.00021459
4691	0.000198606	0.000181131	0.000422003	0.000249535	0.000214009	0.000198169	0.000182556	0.000446178	0.000249535	0.000214864
4692	0.000211305	0.000192511	0.000451572	0.000267439	0.000199016	0.000211187	0.000194413	0.000477647	0.000267439	0.000200945
4693	0.000224207	0.000204153	0.000480573	0.000284946	0.000198361	0.000224305	0.000206417	0.000508449	0.000284946	0.000200243
4694	0.000235772	0.000214557	0.000506974	0.000301445	0.000195205	0.000236276	0.00021737	0.000536596	0.000301445	0.000196857
4695	0.000249225	0.000226595	0.000538522	0.000320166	0.000204936	0.000249965	0.00022981	0.000570125	0.000320166	0.000205152
4696	0.000260035	0.000236361	0.000562679	0.000334201	0.000199339	0.00026077	0.000239686	0.000595695	0.000334201	0.000199161
4697	0.000268467	0.000244037	0.000580777	0.000344688	0.000195632	0.000269131	0.00024737	0.000614808	0.000344688	0.000195184
4698	0.000264564	0.00024089	0.000567208	0.000334463	0.00019373	0.000264104	0.000242968	0.000599843	0.000334463	0.000193133
4699	0.000255575	0.000233369	0.00053945	0.000313844	0.000162475	0.000253089	0.000233176	0.000569391	0.000313844	0.000163907
4700	0.000240697	0.000220252	0.000502069	0.000289435	0.00013164	0.000237037	0.000218644	0.000529207	0.000289435	0.000135269
4701	0.000224953	0.000206587	0.000459733	0.0002645	0.000112756	0.000220432	0.000203824	0.000484247	0.0002645	0.000117182
4702	0.000203257	0.000187204	0.000408479	0.000235526	9.5851E-05	0.000198588	0.000184004	0.000430246	0.000235526	0.000101336
4703	0.000174955	0.000161135	0.000351625	0.000203415	9.20383E-05	0.000171096	0.00015854	0.000370541	0.000203415	9.72569E-05

4704	0.000151117	0.000139063	0.000305216	0.00017857	8.95971E-05	0.000148483	0.000137554	0.000322094	0.00017857	9.4645E-05
4705	0.000134209	0.00012333	0.000273278	0.000162481	8.74521E-05	0.000132827	0.000122997	0.000288962	0.000162481	9.2364E-05
4706	0.000122497	0.000112569	0.000249413	0.000149689	8.94201E-05	0.000121642	0.000112682	0.000263982	0.000149689	9.44622E-05
4707	0.000116417	0.000106985	0.000236999	0.000142731	9.44004E-05	0.000115739	0.000107227	0.000250942	0.000142731	9.97826E-05
4708	0.00011731	0.000107761	0.000239388	0.000144286	0.000101318	0.000116716	0.000108103	0.000253516	0.000144286	0.00010718
4709	0.000121417	0.000111556	0.000247469	0.000148691	0.000109001	0.000120642	0.000111745	0.000261969	0.000148691	0.000115391
4710	0.000128454	0.000118186	0.000259714	0.000155716	0.000113866	0.000127372	0.000118095	0.000274733	0.000155716	0.000120474
4711	0.000142191	0.000130405	0.000292869	0.000174251	0.000209196	0.000141261	0.000130665	0.000309571	0.000174251	0.000209805
4712	0.000155864	0.000142385	0.000328185	0.000194626	0.000211073	0.000155454	0.000143401	0.000346904	0.000194626	0.000211703
4713	0.000170111	0.000155318	0.000359234	0.000212938	0.000212736	0.000169718	0.000156495	0.000379767	0.000212938	0.000213491
4714	0.000184943	0.000168783	0.000391531	0.000231847	0.000213758	0.000184523	0.000170081	0.00041393	0.000231847	0.00021459
4715	0.000198606	0.000181131	0.000422003	0.000249535	0.000214009	0.000198169	0.000182556	0.000446178	0.000249535	0.000214864
4716	0.000211305	0.000192511	0.000451572	0.000267439	0.000199016	0.000211187	0.000194413	0.000477647	0.000267439	0.000200945
4717	0.000224207	0.000204153	0.000480573	0.000284946	0.000198361	0.000224305	0.000206417	0.000508449	0.000284946	0.000200243
4718	0.000235772	0.000214557	0.000506974	0.000301445	0.000195205	0.000236276	0.00021737	0.000536596	0.000301445	0.000196857
4719	0.000249225	0.000226595	0.000538522	0.000320166	0.000204936	0.000249965	0.00022981	0.000570125	0.000320166	0.000205152
4720	0.000260035	0.000236361	0.000562679	0.000334201	0.000199339	0.00026077	0.000239686	0.000595695	0.000334201	0.000199161
4721	0.000268467	0.000244037	0.000580777	0.000344688	0.000195632	0.000269131	0.00024737	0.000614808	0.000344688	0.000195184
4722	0.000264564	0.00024089	0.000567208	0.000334463	0.00019373	0.000264104	0.000242968	0.000599843	0.000334463	0.000193133
4723	0.000255575	0.000233369	0.00053945	0.000313844	0.000162475	0.000253089	0.000233176	0.000569391	0.000313844	0.000163907
4724	0.000240697	0.000220252	0.000502069	0.000289435	0.00013164	0.000237037	0.000218644	0.000529207	0.000289435	0.000135269
4725	0.000224953	0.000206587	0.000459733	0.0002645	0.000112756	0.000220432	0.000203824	0.000484247	0.0002645	0.000117182
4726	0.000203257	0.000187204	0.000408479	0.000235526	9.5851E-05	0.000198588	0.000184004	0.000430246	0.000235526	0.000101336
4727	0.000174955	0.000161135	0.000351625	0.000203415	9.20383E-05	0.000171096	0.00015854	0.000370541	0.000203415	9.72569E-05
4728	0.000151117	0.000139063	0.000305216	0.00017857	8.95971E-05	0.000148483	0.000137554	0.000322094	0.00017857	9.4645E-05
4729	0.00013478	0.000123843	0.000274607	0.000163262	8.70793E-05	0.000133405	0.000123523	0.000290373	0.000163262	9.19649E-05
4730	0.000122627	0.000112686	0.000249711	0.000149866	8.93716E-05	0.000121774	0.000112802	0.000264299	0.000149866	9.44106E-05
4731	0.000116463	0.000107029	0.000237061	0.000142783	9.43528E-05	0.000115786	0.000107274	0.000251007	0.000142783	9.9732E-05
4732	0.000117781	0.000108188	0.00024042	0.000144916	0.000101221	0.000117194	0.000108543	0.000254612	0.000144916	0.000107076
4733	0.000121873	0.000111975	0.000248416	0.00014929	0.000109005	0.000121108	0.000112177	0.000262974	0.00014929	0.000115395
4734	0.00012914	0.000118811	0.000261188	0.000156627	0.000113929	0.00012807	0.000118739	0.000276299	0.000156627	0.00012054
4735	0.000144466	0.000132728	0.000294521	0.000175359	0.000209207	0.000143202	0.000132618	0.000311317	0.000175359	0.000209818
4736	0.000155733	0.000142271	0.000327834	0.000194437	0.000211077	0.000155323	0.000143285	0.000346532	0.000194437	0.000211708
4737	0.000169316	0.000154607	0.000357354	0.000211843	0.00021275	0.000168915	0.000155766	0.000377771	0.000211843	0.000213507
4738	0.000184508	0.000168393	0.000390522	0.000231253	0.000213714	0.000184082	0.00016968	0.000412858	0.000231253	0.000214544
4739	0.000199352	0.000181807	0.000423636	0.000250532	0.000213932	0.000198928	0.000183253	0.000447912	0.000250532	0.000214784
4740	0.000212213	0.000193324	0.000453693	0.000268683	0.000198864	0.000212105	0.000195247	0.000479898	0.000268683	0.000200784
4741	0.000225344	0.000205174	0.000483189	0.000286495	0.000198149	0.000225456	0.000207466	0.000511228	0.000286495	0.000200017
4742	0.000237821	0.000216397	0.00051171	0.000304241	0.000195037	0.000238351	0.000219259	0.000541624	0.000304241	0.000196679
4743	0.000251564	0.000228699	0.000543863	0.000323343	0.000204965	0.000252335	0.000231972	0.000575796	0.000323343	0.000205187
4744	0.000262671	0.000238731	0.000568711	0.000337783	0.00019954	0.000263441	0.000242121	0.000602099	0.000337783	0.00019938
4745	0.000272526	0.000247691	0.000590014	0.000350194	0.000195819	0.000273246	0.000251126	0.000624615	0.000350194	0.000195388
4746	0.000268756	0.000244671	0.000576643	0.000340125	0.000193825	0.000268356	0.000246858	0.000609859	0.000340125	0.000193239
4747	0.000260132	0.000237481	0.000549692	0.000319996	0.000162524	0.000257712	0.000237406	0.000580265	0.000319996	0.000163965
4748	0.000244884	0.000224029	0.000511494	0.000295091	0.000131675	0.000241285	0.000222529	0.000539214	0.000295091	0.000135312
4749	0.000227076	0.000208226	0.000468058	0.00026935	0.000112729	0.000222951	0.000205945	0.000493093	0.00026935	0.000117157
4750	0.000206597	0.000190217	0.000415989	0.000240035	9.59213E-05	0.000201976	0.000187103	0.00043822	0.000240035	0.000101415
4751	0.000177406	0.000163351	0.000357073	0.00020671	9.21897E-05	0.000173584	0.000160821	0.000376325	0.00020671	9.74219E-05
4752	0.000153519	0.000141232	0.000310592	0.000181808	8.98264E-05	0.000150921	0.000139785	0.000327802	0.000181808	9.48933E-05
4753	0.00013478	0.000123843	0.000274607	0.000163262	8.70793E-05	0.000133405	0.000123523	0.000290373	0.000163262	9.19649E-05
4754	0.000122627	0.000112686	0.000249711	0.000149866	8.93716E-05	0.000121774	0.000112802	0.000264299	0.000149866	9.44106E-05
4755	0.000116463	0.000107029	0.000237061	0.000142783	9.43528E-05	0.000115786	0.000107274	0.000251007	0.000142783	9.9732E-05
4756	0.000117781	0.000108188	0.00024042	0.000144916	0.000101221	0.000117194	0.000108543	0.000254612	0.000144916	0.000107076
4757	0.000121873	0.000111975	0.000248416	0.00014929	0.000109005	0.000121108	0.000112177	0.000262974	0.00014929	0.000115395
4758	0.00012914	0.000118811	0.000261188	0.000156627	0.000113929	0.00012807	0.000118739	0.000276299	0.000156627	0.00012054
4759	0.000144466	0.000132728	0.000294521	0.000175359	0.000209207	0.000143202	0.000132618	0.000311317	0.000175359	0.000209818
4760	0.000155733	0.000142271	0.000327834	0.000194437	0.000211077	0.000155323	0.000143285	0.000346532	0.000194437	0.000211708
4761	0.000169316	0.000154607	0.000357354	0.000211843	0.00021275	0.000168915	0.000155766	0.000377771	0.000211843	0.000213507
4762	0.000184508	0.000168393	0.000390522	0.000231253	0.000213714	0.000184082	0.00016968	0.000412858	0.000231253	0.000214544
4763	0.000199352	0.000181807	0.000423636	0.000250532	0.000213932	0.000198928	0.000183253	0.000447912	0.000250532	0.000214784
4764	0.000212213	0.000193324	0.000453693	0.000268683	0.000198864	0.000212105	0.000195247	0.000479898	0.000268683	0.000200784
4765	0.000225344	0.000205174	0.000483189	0.000286495	0.000198149	0.000225456	0.000207466	0.000511228	0.000286495	0.000200017
4766	0.000237821	0.000216397	0.00051171	0.000304241	0.000195037	0.000238351	0.000219259	0.000541624	0.000304241	0.000196679
4767	0.000251564	0.000228699	0.000543863	0.000323343	0.000204965	0.000252335	0.000231972	0.000575796	0.000323343	0.000205187
4768	0.000262671	0.000238731	0.000568711	0.000337783	0.00019954	0.000263441	0.000242121	0.000602099	0.000337783	0.00019938
4769	0.000272526	0.000247691	0.000590014	0.000350194	0.000195819	0.000273246	0.000251126	0.000624615	0.000350194	0.000195388
4770	0.000268756	0.000244671	0.000576643	0.000340125	0.000193825	0.000268356	0.000246858	0.000609859	0.000340125	0.000193239
4771	0.000260132	0.000237481	0.000549692	0.000319996	0.000162524	0.000257712	0.000237406	0.000580265	0.000319996	0.000163965
4772	0.000244884	0.000224029	0.000511494	0.000295091	0.000131675	0.000241285	0.000222529	0.000539214	0.000295091	0.000135312
4773	0.000227076	0.000208226	0.000468058	0.00026935	0.000112729	0.000222951	0.000205945	0.000493093	0.00026935	0.000117157
4774	0.000206597	0.000190217	0.000415989	0.000240035	9.59213E-05	0.000201976	0.000187103	0.00043822	0.000240035	0.000101415
4775	0.000177406	0.000163351	0.000357073	0.00020671	9.21897E-05	0.000173584	0.000160821	0.000376325	0.00020671	9.74219E-05
4776	0.000153519	0.000141232	0.000310592	0.000181808	8.98264E-05	0.000150921	0.000139785	0.000327802	0.000181808	9.48933E-05
4777	0.000134209	0.00012333	0.000273278	0.000162481	8.74521E-05	0.000132827	0.000122997	0.000288962	0.000162481	9.2364E-05
4778	0.000122497	0.000112569	0.000249413	0.000149689	8.94201E-05	0.000121642	0.000112682	0.000263982	0.000149689	9.44622E-05
4779	0.000116417	0.000106985	0.000236999	0.000142731	9.44004E-05	0.000115739	0.000107227	0.000250942	0.000142731	9.97826E-05

4780	0.00011731	0.000107761	0.000239388	0.000144286	0.000101318	0.000116716	0.000108103	0.000253516	0.000144286	0.00010718
4781	0.000121417	0.000111556	0.000247469	0.000148691	0.000109001	0.000120642	0.000111745	0.000261969	0.000148691	0.000115391
4782	0.000128454	0.000118186	0.000259714	0.000155716	0.000113866	0.000127372	0.000118095	0.000274733	0.000155716	0.000120474
4783	0.000142191	0.000130405	0.000292869	0.000174251	0.000209196	0.000141261	0.000130665	0.000309571	0.000174251	0.000209805
4784	0.000155864	0.000142385	0.000328185	0.000194626	0.000211073	0.000155454	0.000143401	0.000346904	0.000194626	0.000211703
4785	0.000170111	0.000155318	0.000359234	0.000212938	0.000212736	0.000169718	0.000156495	0.000379767	0.000212938	0.000213491
4786	0.000184943	0.000168783	0.000391531	0.000231847	0.000213758	0.000184523	0.000170081	0.00041393	0.000231847	0.00021459
4787	0.000198606	0.000181131	0.000422003	0.000249535	0.000214009	0.000198169	0.000182556	0.000446178	0.000249535	0.000214864
4788	0.000211305	0.000192511	0.000451572	0.000267439	0.000199016	0.000211187	0.000194413	0.000477647	0.000267439	0.000200945
4789	0.000224207	0.000204153	0.000480573	0.000284946	0.000198361	0.000224305	0.000206417	0.000508449	0.000284946	0.000200243
4790	0.000235772	0.000214557	0.000506974	0.000301445	0.000195205	0.000236276	0.00021737	0.000536596	0.000301445	0.000196857
4791	0.000249225	0.000226595	0.000538522	0.000320166	0.000204936	0.000249965	0.00022981	0.000570125	0.000320166	0.000205152
4792	0.000260035	0.000236361	0.000562679	0.000334201	0.000199339	0.00026077	0.000239686	0.000595695	0.000334201	0.000199161
4793	0.000268467	0.000244037	0.000580777	0.000344688	0.000195632	0.000269131	0.00024737	0.000614808	0.000344688	0.000195184
4794	0.000264564	0.00024089	0.000567208	0.000334463	0.00019373	0.000264104	0.000242968	0.000599843	0.000334463	0.000193133
4795	0.000255575	0.000233369	0.00053945	0.000313844	0.000162475	0.000253089	0.000233176	0.000569391	0.000313844	0.000163907
4796	0.000240697	0.000220252	0.000502069	0.000289435	0.00013164	0.000237037	0.000218644	0.000529207	0.000289435	0.000135269
4797	0.000224953	0.000206587	0.000459733	0.0002645	0.000112756	0.000220432	0.000203824	0.000484247	0.0002645	0.000117182
4798	0.000203257	0.000187204	0.000408479	0.000235526	9.5851E-05	0.000198588	0.000184004	0.000430246	0.000235526	0.000101336
4799	0.000174955	0.000161135	0.000351625	0.000203415	9.20383E-05	0.000171096	0.00015854	0.000370541	0.000203415	9.72569E-05
4800	0.000151117	0.000139063	0.000305216	0.00017857	8.95971E-05	0.000148483	0.000137554	0.000322094	0.00017857	9.4645E-05
4801	0.000134209	0.00012333	0.000273278	0.000162481	8.74521E-05	0.000132827	0.000122997	0.000288962	0.000162481	9.2364E-05
4802	0.000122497	0.000112569	0.000249413	0.000149689	8.94201E-05	0.000121642	0.000112682	0.000263982	0.000149689	9.44622E-05
4803	0.000116417	0.000106985	0.000236999	0.000142731	9.44004E-05	0.000115739	0.000107227	0.000250942	0.000142731	9.97826E-05
4804	0.00011731	0.000107761	0.000239388	0.000144286	0.000101318	0.000116716	0.000108103	0.000253516	0.000144286	0.00010718
4805	0.000121417	0.000111556	0.000247469	0.000148691	0.000109001	0.000120642	0.000111745	0.000261969	0.000148691	0.000115391
4806	0.000128454	0.000118186	0.000259714	0.000155716	0.000113866	0.000127372	0.000118095	0.000274733	0.000155716	0.000120474
4807	0.000142191	0.000130405	0.000292869	0.000174251	0.000209196	0.000141261	0.000130665	0.000309571	0.000174251	0.000209805
4808	0.000155864	0.000142385	0.000328185	0.000194626	0.000211073	0.000155454	0.000143401	0.000346904	0.000194626	0.000211703
4809	0.000170111	0.000155318	0.000359234	0.000212938	0.000212736	0.000169718	0.000156495	0.000379767	0.000212938	0.000213491
4810	0.000184943	0.000168783	0.000391531	0.000231847	0.000213758	0.000184523	0.000170081	0.00041393	0.000231847	0.00021459
4811	0.000198606	0.000181131	0.000422003	0.000249535	0.000214009	0.000198169	0.000182556	0.000446178	0.000249535	0.000214864
4812	0.000211305	0.000192511	0.000451572	0.000267439	0.000199016	0.000211187	0.000194413	0.000477647	0.000267439	0.000200945
4813	0.000224207	0.000204153	0.000480573	0.000284946	0.000198361	0.000224305	0.000206417	0.000508449	0.000284946	0.000200243
4814	0.000235772	0.000214557	0.000506974	0.000301445	0.000195205	0.000236276	0.00021737	0.000536596	0.000301445	0.000196857
4815	0.000249225	0.000226595	0.000538522	0.000320166	0.000204936	0.000249965	0.00022981	0.000570125	0.000320166	0.000205152
4816	0.000260035	0.000236361	0.000562679	0.000334201	0.000199339	0.00026077	0.000239686	0.000595695	0.000334201	0.000199161
4817	0.000268467	0.000244037	0.000580777	0.000344688	0.000195632	0.000269131	0.00024737	0.000614808	0.000344688	0.000195184
4818	0.000264564	0.00024089	0.000567208	0.000334463	0.00019373	0.000264104	0.000242968	0.000599843	0.000334463	0.000193133
4819	0.000255575	0.000233369	0.00053945	0.000313844	0.000162475	0.000253089	0.000233176	0.000569391	0.000313844	0.000163907
4820	0.000240697	0.000220252	0.000502069	0.000289435	0.00013164	0.000237037	0.000218644	0.000529207	0.000289435	0.000135269
4821	0.000224953	0.000206587	0.000459733	0.0002645	0.000112756	0.000220432	0.000203824	0.000484247	0.0002645	0.000117182
4822	0.000203257	0.000187204	0.000408479	0.000235526	9.5851E-05	0.000198588	0.000184004	0.000430246	0.000235526	0.000101336
4823	0.000174955	0.000161135	0.000351625	0.000203415	9.20383E-05	0.000171096	0.00015854	0.000370541	0.000203415	9.72569E-05
4824	0.000151117	0.000139063	0.000305216	0.00017857	8.95971E-05	0.000148483	0.000137554	0.000322094	0.00017857	9.4645E-05
4825	0.000134209	0.00012333	0.000273278	0.000162481	8.74521E-05	0.000132827	0.000122997	0.000288962	0.000162481	9.2364E-05
4826	0.000122497	0.000112569	0.000249413	0.000149689	8.94201E-05	0.000121642	0.000112682	0.000263982	0.000149689	9.44622E-05
4827	0.000116417	0.000106985	0.000236999	0.000142731	9.44004E-05	0.000115739	0.000107227	0.000250942	0.000142731	9.97826E-05
4828	0.00011731	0.000107761	0.000239388	0.000144286	0.000101318	0.000116716	0.000108103	0.000253516	0.000144286	0.00010718
4829	0.000121417	0.000111556	0.000247469	0.000148691	0.000109001	0.000120642	0.000111745	0.000261969	0.000148691	0.000115391
4830	0.000128454	0.000118186	0.000259714	0.000155716	0.000113866	0.000127372	0.000118095	0.000274733	0.000155716	0.000120474
4831	0.000142191	0.000130405	0.000292869	0.000174251	0.000209196	0.000141261	0.000130665	0.000309571	0.000174251	0.000209805
4832	0.000155864	0.000142385	0.000328185	0.000194626	0.000211073	0.000155454	0.000143401	0.000346904	0.000194626	0.000211703
4833	0.000170111	0.000155318	0.000359234	0.000212938	0.000212736	0.000169718	0.000156495	0.000379767	0.000212938	0.000213491
4834	0.000184943	0.000168783	0.000391531	0.000231847	0.000213758	0.000184523	0.000170081	0.00041393	0.000231847	0.00021459
4835	0.000198606	0.000181131	0.000422003	0.000249535	0.000214009	0.000198169	0.000182556	0.000446178	0.000249535	0.000214864
4836	0.000211305	0.000192511	0.000451572	0.000267439	0.000199016	0.000211187	0.000194413	0.000477647	0.000267439	0.000200945
4837	0.000224207	0.000204153	0.000480573	0.000284946	0.000198361	0.000224305	0.000206417	0.000508449	0.000284946	0.000200243
4838	0.000235772	0.000214557	0.000506974	0.000301445	0.000195205	0.000236276	0.00021737	0.000536596	0.000301445	0.000196857
4839	0.000249225	0.000226595	0.000538522	0.000320166	0.000204936	0.000249965	0.00022981	0.000570125	0.000320166	0.000205152
4840	0.000260035	0.000236361	0.000562679	0.000334201	0.000199339	0.00026077	0.000239686	0.000595695	0.000334201	0.000199161
4841	0.000268467	0.000244037	0.000580777	0.000344688	0.000195632	0.000269131	0.00024737	0.000614808	0.000344688	0.000195184
4842	0.000264564	0.00024089	0.000567208	0.000334463	0.00019373	0.000264104	0.000242968	0.000599843	0.000334463	0.000193133
4843	0.000255575	0.000233369	0.00053945	0.000313844	0.000162475	0.000253089	0.000233176	0.000569391	0.000313844	0.000163907
4844	0.000240697	0.000220252	0.000502069	0.000289435	0.00013164	0.000237037	0.000218644	0.000529207	0.000289435	0.000135269
4845	0.000224953	0.000206587	0.000459733	0.0002645	0.000112756	0.000220432	0.000203824	0.000484247	0.0002645	0.000117182
4846	0.000203257	0.000187204	0.000408479	0.000235526	9.5851E-05	0.000198588	0.000184004	0.000430246	0.000235526	0.000101336
4847	0.000174955	0.000161135	0.000351625	0.000203415	9.20383E-05	0.000171096	0.00015854	0.000370541	0.000203415	9.72569E-05
4848	0.000151117	0.000139063	0.000305216	0.00017857	8.95971E-05	0.000148483	0.000137554	0.000322094	0.00017857	9.4645E-05
4849	0.000134209	0.00012333	0.000273278	0.000162481	8.74521E-05	0.000132827	0.000122997	0.000288962	0.000162481	9.2364E-05
4850	0.000122497	0.000112569	0.000249413	0.000149689	8.94201E-05	0.000121642	0.000112682	0.000263982	0.000149689	9.44622E-05
4851	0.000116417	0.000106985	0.000236999	0.000142731	9.44004E-05	0.000115739	0.000107227	0.000250942	0.000142731	9.97826E-05
4852	0.00011731	0.000107761	0.000239388	0.000144286	0.000101318	0.000116716	0.000108103	0.000253516	0.000144286	0.00010718
4853	0.000121417	0.000111556	0.000247469	0.000148691	0.000109001	0.000120642	0.000111745	0.000261969	0.000148691	0.000115391
4854	0.000128454	0.000118186	0.000259714	0.000155716	0.000113866	0.000127372	0.000118095	0.000274733	0.000155716	0.000120474
4855	0.000142191	0.000130405	0.000292869	0.000174251	0.000209196	0.000141261	0.000130665	0.000309571	0.000174251	0.000209805

4856	0.000155864	0.000142385	0.000328185	0.000194626	0.000211073	0.000155454	0.000143401	0.000346904	0.000194626	0.000211703
4857	0.000170111	0.000155318	0.000359234	0.000212938	0.000212736	0.000169718	0.000156495	0.000379767	0.000212938	0.000213491
4858	0.000184943	0.000168783	0.000391531	0.000231847	0.000213758	0.000184523	0.000170081	0.00041393	0.000231847	0.00021459
4859	0.000198606	0.000181131	0.000422003	0.000249535	0.000214009	0.000198169	0.000182556	0.000446178	0.000249535	0.000214864
4860	0.000211305	0.000192511	0.000451572	0.000267439	0.000199016	0.000211187	0.000194413	0.000477647	0.000267439	0.000200945
4861	0.000224207	0.000204153	0.000480573	0.000284946	0.000198361	0.000224305	0.000206417	0.000508449	0.000284946	0.000200243
4862	0.000235772	0.000214557	0.000506974	0.000301445	0.000195205	0.000236276	0.00021737	0.000536596	0.000301445	0.000196857
4863	0.000249225	0.000226595	0.000538522	0.000320166	0.000204936	0.000249965	0.00022981	0.000570125	0.000320166	0.000205152
4864	0.000260035	0.000236361	0.000562679	0.000334201	0.000199339	0.00026077	0.000239686	0.000595695	0.000334201	0.000199161
4865	0.000268467	0.000244037	0.000580777	0.000344688	0.000195632	0.000269131	0.00024737	0.000614808	0.000344688	0.000195184
4866	0.000264564	0.00024089	0.000567208	0.000334463	0.00019373	0.000264104	0.000242968	0.000599843	0.000334463	0.000193133
4867	0.000255575	0.000233369	0.00053945	0.000313844	0.000162475	0.000253089	0.000233176	0.000569391	0.000313844	0.000163907
4868	0.000240697	0.000220252	0.000502069	0.000289435	0.00013164	0.000237037	0.000218644	0.000529207	0.000289435	0.000135269
4869	0.000224953	0.000206587	0.000459733	0.0002645	0.000112756	0.000220432	0.000203824	0.000484247	0.0002645	0.000117182
4870	0.000203257	0.000187204	0.000408479	0.000235526	9.5851E-05	0.000198588	0.000184004	0.000430246	0.000235526	0.000101336
4871	0.000174955	0.000161135	0.000351625	0.000203415	9.20383E-05	0.000171096	0.00015854	0.000370541	0.000203415	9.72569E-05
4872	0.000151117	0.000139063	0.000305216	0.00017857	8.95971E-05	0.000148483	0.000137554	0.000322094	0.00017857	9.4645E-05
4873	0.000134209	0.00012333	0.000273278	0.000162481	8.74521E-05	0.000132827	0.000122997	0.000288962	0.000162481	9.2364E-05
4874	0.000122497	0.000112569	0.000249413	0.000149689	8.94201E-05	0.000121642	0.000112682	0.000263982	0.000149689	9.44622E-05
4875	0.000116417	0.000106985	0.000236999	0.000142731	9.44004E-05	0.000115739	0.000107227	0.000250942	0.000142731	9.97826E-05
4876	0.00011731	0.000107761	0.000239388	0.000144286	0.000101318	0.000116716	0.000108103	0.000253516	0.000144286	0.00010718
4877	0.000121417	0.000111556	0.000247469	0.000148691	0.000109001	0.000120642	0.000111745	0.000261969	0.000148691	0.000115391
4878	0.000128454	0.000118186	0.000259714	0.000155716	0.000113866	0.000127372	0.000118095	0.000274733	0.000155716	0.000120474
4879	0.000142191	0.000130405	0.000292869	0.000174251	0.000209196	0.000141261	0.000130665	0.000309571	0.000174251	0.000209805
4880	0.000155864	0.000142385	0.000328185	0.000194626	0.000211073	0.000155454	0.000143401	0.000346904	0.000194626	0.000211703
4881	0.000170111	0.000155318	0.000359234	0.000212938	0.000212736	0.000169718	0.000156495	0.000379767	0.000212938	0.000213491
4882	0.000184943	0.000168783	0.000391531	0.000231847	0.000213758	0.000184523	0.000170081	0.00041393	0.000231847	0.00021459
4883	0.000198606	0.000181131	0.000422003	0.000249535	0.000214009	0.000198169	0.000182556	0.000446178	0.000249535	0.000214864
4884	0.000211305	0.000192511	0.000451572	0.000267439	0.000199016	0.000211187	0.000194413	0.000477647	0.000267439	0.000200945
4885	0.000224207	0.000204153	0.000480573	0.000284946	0.000198361	0.000224305	0.000206417	0.000508449	0.000284946	0.000200243
4886	0.000235772	0.000214557	0.000506974	0.000301445	0.000195205	0.000236276	0.00021737	0.000536596	0.000301445	0.000196857
4887	0.000249225	0.000226595	0.000538522	0.000320166	0.000204936	0.000249965	0.00022981	0.000570125	0.000320166	0.000205152
4888	0.000260035	0.000236361	0.000562679	0.000334201	0.000199339	0.00026077	0.000239686	0.000595695	0.000334201	0.000199161
4889	0.000268467	0.000244037	0.000580777	0.000344688	0.000195632	0.000269131	0.00024737	0.000614808	0.000344688	0.000195184
4890	0.000264564	0.00024089	0.000567208	0.000334463	0.00019373	0.000264104	0.000242968	0.000599843	0.000334463	0.000193133
4891	0.000255575	0.000233369	0.00053945	0.000313844	0.000162475	0.000253089	0.000233176	0.000569391	0.000313844	0.000163907
4892	0.000240697	0.000220252	0.000502069	0.000289435	0.00013164	0.000237037	0.000218644	0.000529207	0.000289435	0.000135269
4893	0.000224953	0.000206587	0.000459733	0.0002645	0.000112756	0.000220432	0.000203824	0.000484247	0.0002645	0.000117182
4894	0.000203257	0.000187204	0.000408479	0.000235526	9.5851E-05	0.000198588	0.000184004	0.000430246	0.000235526	0.000101336
4895	0.000174955	0.000161135	0.000351625	0.000203415	9.20383E-05	0.000171096	0.00015854	0.000370541	0.000203415	9.72569E-05
4896	0.000151117	0.000139063	0.000305216	0.00017857	8.95971E-05	0.000148483	0.000137554	0.000322094	0.00017857	9.4645E-05
4897	0.00013478	0.000123843	0.000274607	0.000163262	8.70793E-05	0.000133405	0.000123523	0.000290373	0.000163262	9.19649E-05
4898	0.000122627	0.000112686	0.000249711	0.000149866	8.93716E-05	0.000121774	0.000112802	0.000264299	0.000149866	9.44106E-05
4899	0.000116463	0.000107029	0.000237061	0.000142783	9.43528E-05	0.000115786	0.000107274	0.000251007	0.000142783	9.9732E-05
4900	0.000117781	0.000108188	0.00024042	0.000144916	0.000101221	0.000117194	0.000108543	0.000254612	0.000144916	0.000107076
4901	0.000121873	0.000111975	0.000248416	0.00014929	0.000109005	0.000121108	0.000112177	0.000262974	0.00014929	0.000115395
4902	0.00012914	0.000118811	0.000261188	0.000156627	0.000113929	0.00012807	0.000118739	0.000276299	0.000156627	0.00012054
4903	0.000144466	0.000132728	0.000294521	0.000175359	0.000209207	0.000143202	0.000132618	0.000311317	0.000175359	0.000209818
4904	0.000155733	0.000142271	0.000327834	0.000194437	0.000211077	0.000155323	0.000143285	0.000346532	0.000194437	0.000211708
4905	0.000169316	0.000154607	0.000357354	0.000211843	0.00021275	0.000168915	0.000155766	0.000377771	0.000211843	0.000213507
4906	0.000184508	0.000168393	0.000390522	0.000231253	0.000213714	0.000184082	0.00016968	0.000412858	0.000231253	0.000214544
4907	0.000199352	0.000181807	0.000423636	0.000250532	0.000213932	0.000198928	0.000183253	0.000447912	0.000250532	0.000214784
4908	0.000212213	0.000193324	0.000453693	0.000268683	0.000198864	0.000212105	0.000195247	0.000479898	0.000268683	0.000200784
4909	0.000225344	0.000205174	0.000483189	0.000286495	0.000198149	0.000225456	0.000207466	0.000511228	0.000286495	0.000200017
4910	0.000237821	0.000216397	0.00051171	0.000304241	0.000195037	0.000238351	0.000219259	0.000541624	0.000304241	0.000196679
4911	0.000251564	0.000228699	0.000543863	0.000323343	0.000204965	0.000252335	0.000231972	0.000575796	0.000323343	0.000205187
4912	0.000262671	0.000238731	0.000568711	0.000337783	0.00019954	0.000263441	0.000242121	0.000602099	0.000337783	0.00019938
4913	0.000272526	0.000247691	0.000590014	0.000350194	0.000195819	0.000273246	0.000251126	0.000624615	0.000350194	0.000195388
4914	0.000268756	0.000244671	0.000576643	0.000340125	0.000193825	0.000268356	0.000246858	0.000609859	0.000340125	0.000193239
4915	0.000260132	0.000237481	0.000549692	0.000319996	0.000162524	0.000257712	0.000237406	0.000580265	0.000319996	0.000163965
4916	0.000244884	0.000224029	0.000511494	0.000295091	0.000131675	0.000241285	0.000222529	0.000539214	0.000295091	0.000135312
4917	0.000227076	0.000208226	0.000468058	0.00026935	0.000112729	0.000222951	0.000205945	0.000493093	0.00026935	0.000117157
4918	0.000206597	0.000190217	0.000415989	0.000240035	9.59213E-05	0.000201976	0.000187103	0.00043822	0.000240035	0.000101415
4919	0.000177406	0.000163351	0.000357073	0.00020671	9.21897E-05	0.000173584	0.000160821	0.000376325	0.00020671	9.74219E-05
4920	0.000153519	0.000141232	0.000310592	0.000181808	8.98264E-05	0.000150921	0.000139785	0.000327802	0.000181808	9.48933E-05
4921	0.00013478	0.000123843	0.000274607	0.000163262	8.70793E-05	0.000133405	0.000123523	0.000290373	0.000163262	9.19649E-05
4922	0.000122627	0.000112686	0.000249711	0.000149866	8.93716E-05	0.000121774	0.000112802	0.000264299	0.000149866	9.44106E-05
4923	0.000116463	0.000107029	0.000237061	0.000142783	9.43528E-05	0.000115786	0.000107274	0.000251007	0.000142783	9.9732E-05
4924	0.000117781	0.000108188	0.00024042	0.000144916	0.000101221	0.000117194	0.000108543	0.000254612	0.000144916	0.000107076
4925	0.000121873	0.000111975	0.000248416	0.00014929	0.000109005	0.000121108	0.000112177	0.000262974	0.00014929	0.000115395
4926	0.00012914	0.000118811	0.000261188	0.000156627	0.000113929	0.00012807	0.000118739	0.000276299	0.000156627	0.00012054
4927	0.000144466	0.000132728	0.000294521	0.000175359	0.000209207	0.000143202	0.000132618	0.000311317	0.000175359	0.000209818
4928	0.000155733	0.000142271	0.000327834	0.000194437	0.000211077	0.000155323	0.000143285	0.000346532	0.000194437	0.000211708
4929	0.000169316	0.000154607	0.000357354	0.000211843	0.00021275	0.000168915	0.000155766	0.000377771	0.000211843	0.000213507
4930	0.000184508	0.000168393	0.000390522	0.000231253	0.000213714	0.000184082	0.00016968	0.000412858	0.000231253	0.000214544
4931	0.000199352	0.000181807	0.000423636	0.000250532	0.000213932	0.000198928	0.000183253	0.000447912	0.000250532	0.000214784

4932	0.000212213	0.000193324	0.000453693	0.000268683	0.000198864	0.000212105	0.000195247	0.000479898	0.000268683	0.000200784
4933	0.000225344	0.000205174	0.000483189	0.000286495	0.000198149	0.000225456	0.000207466	0.000511228	0.000286495	0.000200017
4934	0.000237821	0.000216397	0.00051171	0.000304241	0.000195037	0.000238351	0.000219259	0.000541624	0.000304241	0.000196679
4935	0.000251564	0.000228699	0.000543863	0.000323343	0.000204965	0.000252335	0.000231972	0.000575796	0.000323343	0.000205187
4936	0.000262671	0.000238731	0.000568711	0.000337783	0.00019954	0.000263441	0.000242121	0.000602099	0.000337783	0.00019938
4937	0.000272526	0.000247691	0.000590014	0.000350194	0.000195819	0.000273246	0.000251126	0.000624615	0.000350194	0.000195388
4938	0.000268756	0.000244671	0.000576643	0.000340125	0.000193825	0.000268356	0.000246858	0.000609859	0.000340125	0.000193239
4939	0.000260132	0.000237481	0.000549692	0.000319996	0.000162524	0.000257712	0.000237406	0.000580265	0.000319996	0.000163965
4940	0.000244884	0.000224029	0.000511494	0.000295091	0.000131675	0.000241285	0.000222529	0.000539214	0.000295091	0.000135312
4941	0.000227076	0.000208226	0.000468058	0.00026935	0.000112729	0.000222951	0.000205945	0.000493093	0.00026935	0.000117157
4942	0.000206597	0.000190217	0.000415989	0.000240035	9.59213E-05	0.000201976	0.000187103	0.00043822	0.000240035	0.000101415
4943	0.000177406	0.000163351	0.000357073	0.00020671	9.21897E-05	0.000173584	0.000160821	0.000376325	0.00020671	9.74219E-05
4944	0.000153519	0.000141232	0.000310592	0.000181808	8.98264E-05	0.000150921	0.000139785	0.000327802	0.000181808	9.48933E-05
4945	0.000134209	0.00012333	0.000273278	0.000162481	8.74521E-05	0.000132827	0.000122997	0.000288962	0.000162481	9.2364E-05
4946	0.000122497	0.000112569	0.000249413	0.000149689	8.94201E-05	0.000121642	0.000112682	0.000263982	0.000149689	9.44622E-05
4947	0.000116417	0.000106985	0.000236999	0.000142731	9.44004E-05	0.000115739	0.000107227	0.000250942	0.000142731	9.97826E-05
4948	0.00011731	0.000107761	0.000239388	0.000144286	0.000101318	0.000116716	0.000108103	0.000253516	0.000144286	0.00010718
4949	0.000121417	0.000111556	0.000247469	0.000148691	0.000109001	0.000120642	0.000111745	0.000261969	0.000148691	0.000115391
4950	0.000128454	0.000118186	0.000259714	0.000155716	0.000113866	0.000127372	0.000118095	0.000274733	0.000155716	0.000120474
4951	0.000142191	0.000130405	0.000292869	0.000174251	0.000209196	0.000141261	0.000130665	0.000309571	0.000174251	0.000209805
4952	0.000155864	0.000142385	0.000328185	0.000194626	0.000211073	0.000155454	0.000143401	0.000346904	0.000194626	0.000211703
4953	0.000170111	0.000155318	0.000359234	0.000212938	0.000212736	0.000169718	0.000156495	0.000379767	0.000212938	0.000213491
4954	0.000184943	0.000168783	0.000391531	0.000231847	0.000213758	0.000184523	0.000170081	0.00041393	0.000231847	0.00021459
4955	0.000198606	0.000181131	0.000422003	0.000249535	0.000214009	0.000198169	0.000182556	0.000446178	0.000249535	0.000214864
4956	0.000211305	0.000192511	0.000451572	0.000267439	0.000199016	0.000211187	0.000194413	0.000477647	0.000267439	0.000200945
4957	0.000224207	0.000204153	0.000480573	0.000284946	0.000198361	0.000224305	0.000206417	0.000508449	0.000284946	0.000200243
4958	0.000235772	0.000214557	0.000506974	0.000301445	0.000195205	0.000236276	0.00021737	0.000536596	0.000301445	0.000196857
4959	0.000249225	0.000226595	0.000538522	0.000320166	0.000204936	0.000249965	0.00022981	0.000570125	0.000320166	0.000205152
4960	0.000260035	0.000236361	0.000562679	0.000334201	0.000199339	0.00026077	0.000239686	0.000595695	0.000334201	0.000199161
4961	0.000268467	0.000244037	0.000580777	0.000344688	0.000195632	0.000269131	0.00024737	0.000614808	0.000344688	0.000195184
4962	0.000264564	0.00024089	0.000567208	0.000334463	0.00019373	0.000264104	0.000242968	0.000599843	0.000334463	0.000193133
4963	0.000255575	0.000233369	0.00053945	0.000313844	0.000162475	0.000253089	0.000233176	0.000569391	0.000313844	0.000163907
4964	0.000240697	0.000220252	0.000502069	0.000289435	0.00013164	0.000237037	0.000218644	0.000529207	0.000289435	0.000135269
4965	0.000224953	0.000206587	0.000459733	0.0002645	0.000112756	0.000220432	0.000203824	0.000484247	0.0002645	0.000117182
4966	0.000203257	0.000187204	0.000408479	0.000235526	9.5851E-05	0.000198588	0.000184004	0.000430246	0.000235526	0.000101336
4967	0.000174955	0.000161135	0.000351625	0.000203415	9.20383E-05	0.000171096	0.00015854	0.000370541	0.000203415	9.72569E-05
4968	0.000151117	0.000139063	0.000305216	0.00017857	8.95971E-05	0.000148483	0.000137554	0.000322094	0.00017857	9.4645E-05
4969	0.000134209	0.00012333	0.000273278	0.000162481	8.74521E-05	0.000132827	0.000122997	0.000288962	0.000162481	9.2364E-05
4970	0.000122497	0.000112569	0.000249413	0.000149689	8.94201E-05	0.000121642	0.000112682	0.000263982	0.000149689	9.44622E-05
4971	0.000116417	0.000106985	0.000236999	0.000142731	9.44004E-05	0.000115739	0.000107227	0.000250942	0.000142731	9.97826E-05
4972	0.00011731	0.000107761	0.000239388	0.000144286	0.000101318	0.000116716	0.000108103	0.000253516	0.000144286	0.00010718
4973	0.000121417	0.000111556	0.000247469	0.000148691	0.000109001	0.000120642	0.000111745	0.000261969	0.000148691	0.000115391
4974	0.000128454	0.000118186	0.000259714	0.000155716	0.000113866	0.000127372	0.000118095	0.000274733	0.000155716	0.000120474
4975	0.000142191	0.000130405	0.000292869	0.000174251	0.000209196	0.000141261	0.000130665	0.000309571	0.000174251	0.000209805
4976	0.000155864	0.000142385	0.000328185	0.000194626	0.000211073	0.000155454	0.000143401	0.000346904	0.000194626	0.000211703
4977	0.000170111	0.000155318	0.000359234	0.000212938	0.000212736	0.000169718	0.000156495	0.000379767	0.000212938	0.000213491
4978	0.000184943	0.000168783	0.000391531	0.000231847	0.000213758	0.000184523	0.000170081	0.00041393	0.000231847	0.00021459
4979	0.000198606	0.000181131	0.000422003	0.000249535	0.000214009	0.000198169	0.000182556	0.000446178	0.000249535	0.000214864
4980	0.000211305	0.000192511	0.000451572	0.000267439	0.000199016	0.000211187	0.000194413	0.000477647	0.000267439	0.000200945
4981	0.000224207	0.000204153	0.000480573	0.000284946	0.000198361	0.000224305	0.000206417	0.000508449	0.000284946	0.000200243
4982	0.000235772	0.000214557	0.000506974	0.000301445	0.000195205	0.000236276	0.00021737	0.000536596	0.000301445	0.000196857
4983	0.000249225	0.000226595	0.000538522	0.000320166	0.000204936	0.000249965	0.00022981	0.000570125	0.000320166	0.000205152
4984	0.000260035	0.000236361	0.000562679	0.000334201	0.000199339	0.00026077	0.000239686	0.000595695	0.000334201	0.000199161
4985	0.000268467	0.000244037	0.000580777	0.000344688	0.000195632	0.000269131	0.00024737	0.000614808	0.000344688	0.000195184
4986	0.000264564	0.00024089	0.000567208	0.000334463	0.00019373	0.000264104	0.000242968	0.000599843	0.000334463	0.000193133
4987	0.000255575	0.000233369	0.00053945	0.000313844	0.000162475	0.000253089	0.000233176	0.000569391	0.000313844	0.000163907
4988	0.000240697	0.000220252	0.000502069	0.000289435	0.00013164	0.000237037	0.000218644	0.000529207	0.000289435	0.000135269
4989	0.000224953	0.000206587	0.000459733	0.0002645	0.000112756	0.000220432	0.000203824	0.000484247	0.0002645	0.000117182
4990	0.000203257	0.000187204	0.000408479	0.000235526	9.5851E-05	0.000198588	0.000184004	0.000430246	0.000235526	0.000101336
4991	0.000174955	0.000161135	0.000351625	0.000203415	9.20383E-05	0.000171096	0.00015854	0.000370541	0.000203415	9.72569E-05
4992	0.000151117	0.000139063	0.000305216	0.00017857	8.95971E-05	0.000148483	0.000137554	0.000322094	0.00017857	9.4645E-05
4993	0.000134209	0.00012333	0.000273278	0.000162481	8.74521E-05	0.000132827	0.000122997	0.000288962	0.000162481	9.2364E-05
4994	0.000122497	0.000112569	0.000249413	0.000149689	8.94201E-05	0.000121642	0.000112682	0.000263982	0.000149689	9.44622E-05
4995	0.000116417	0.000106985	0.000236999	0.000142731	9.44004E-05	0.000115739	0.000107227	0.000250942	0.000142731	9.97826E-05
4996	0.00011731	0.000107761	0.000239388	0.000144286	0.000101318	0.000116716	0.000108103	0.000253516	0.000144286	0.00010718
4997	0.000121417	0.000111556	0.000247469	0.000148691	0.000109001	0.000120642	0.000111745	0.000261969	0.000148691	0.000115391
4998	0.000128454	0.000118186	0.000259714	0.000155716	0.000113866	0.000127372	0.000118095	0.000274733	0.000155716	0.000120474
4999	0.000142191	0.000130405	0.000292869	0.000174251	0.000209196	0.000141261	0.000130665	0.000309571	0.000174251	0.000209805
5000	0.000155864	0.000142385	0.000328185	0.000194626	0.000211073	0.000155454	0.000143401	0.000346904	0.000194626	0.000211703
5001	0.000170111	0.000155318	0.000359234	0.000212938	0.000212736	0.000169718	0.000156495	0.000379767	0.000212938	0.000213491
5002	0.000184943	0.000168783	0.000391531	0.000231847	0.000213758	0.000184523	0.000170081	0.00041393	0.000231847	0.00021459
5003	0.000198606	0.000181131	0.000422003	0.000249535	0.000214009	0.000198169	0.000182556	0.000446178	0.000249535	0.000214864
5004	0.000211305	0.000192511	0.000451572	0.000267439	0.000199016	0.000211187	0.000194413	0.000477647	0.000267439	0.000200945
5005	0.000224207	0.000204153	0.000480573	0.000284946	0.000198361	0.000224305	0.000206417	0.000508449	0.000284946	0.000200243
5006	0.000235772	0.000214557	0.000506974	0.000301445	0.000195205	0.000236276	0.00021737	0.000536596	0.000301445	0.000196857
5007	0.000249225	0.000226595	0.000538522	0.000320166	0.000204936	0.000249965	0.00022981	0.000570125	0.000320166	0.000205152

5008	0.000260035	0.000236361	0.000562679	0.000334201	0.000199339	0.00026077	0.000239686	0.000595695	0.000334201	0.000199161
5009	0.000268467	0.000244037	0.000580777	0.000344688	0.000195632	0.000269131	0.00024737	0.000614808	0.000344688	0.000195184
5010	0.000264564	0.00024089	0.000567208	0.000334463	0.00019373	0.000264104	0.000242968	0.000599843	0.000334463	0.000193133
5011	0.000255575	0.000233369	0.00053945	0.000313844	0.000162475	0.000253089	0.000233176	0.000569391	0.000313844	0.000163907
5012	0.000240697	0.000220252	0.000502069	0.000289435	0.00013164	0.000237037	0.000218644	0.000529207	0.000289435	0.000135269
5013	0.000224953	0.000206587	0.000459733	0.0002645	0.000112756	0.000220432	0.000203824	0.000484247	0.0002645	0.000117182
5014	0.000203257	0.000187204	0.000408479	0.000235526	9.5851E-05	0.000198588	0.000184004	0.000430246	0.000235526	0.000101336
5015	0.000174955	0.000161135	0.000351625	0.000203415	9.20383E-05	0.000171096	0.00015854	0.000370541	0.000203415	9.72569E-05
5016	0.000151117	0.000139063	0.000305216	0.00017857	8.95971E-05	0.000148483	0.000137554	0.000322094	0.00017857	9.4645E-05
5017	0.000134209	0.00012333	0.000273278	0.000162481	8.74521E-05	0.000132827	0.000122997	0.000288962	0.000162481	9.2364E-05
5018	0.000122497	0.000112569	0.000249413	0.000149689	8.94201E-05	0.000121642	0.000112682	0.000263982	0.000149689	9.44622E-05
5019	0.000116417	0.000106985	0.000236999	0.000142731	9.44004E-05	0.000115739	0.000107227	0.000250942	0.000142731	9.97826E-05
5020	0.00011731	0.000107761	0.000239388	0.000144286	0.000101318	0.000116716	0.000108103	0.000253516	0.000144286	0.00010718
5021	0.000121417	0.000111556	0.000247469	0.000148691	0.000109001	0.000120642	0.000111745	0.000261969	0.000148691	0.000115391
5022	0.000128454	0.000118186	0.000259714	0.000155716	0.000113866	0.000127372	0.000118095	0.000274733	0.000155716	0.000120474
5023	0.000142191	0.000130405	0.000292869	0.000174251	0.000209196	0.000141261	0.000130665	0.000309571	0.000174251	0.000209805
5024	0.000155864	0.000142385	0.000328185	0.000194626	0.000211073	0.000155454	0.000143401	0.000346904	0.000194626	0.000211703
5025	0.000170111	0.000155318	0.000359234	0.000212938	0.000212736	0.000169718	0.000156495	0.000379767	0.000212938	0.000213491
5026	0.000184943	0.000168783	0.000391531	0.000231847	0.000213758	0.000184523	0.000170081	0.00041393	0.000231847	0.00021459
5027	0.000198606	0.000181131	0.000422003	0.000249535	0.000214009	0.000198169	0.000182556	0.000446178	0.000249535	0.000214864
5028	0.000211305	0.000192511	0.000451572	0.000267439	0.000199016	0.000211187	0.000194413	0.000477647	0.000267439	0.000200945
5029	0.000224207	0.000204153	0.000480573	0.000284946	0.000198361	0.000224305	0.000206417	0.000508449	0.000284946	0.000200243
5030	0.000235772	0.000214557	0.000506974	0.000301445	0.000195205	0.000236276	0.00021737	0.000536596	0.000301445	0.000196857
5031	0.000249225	0.000226595	0.000538522	0.000320166	0.000204936	0.000249965	0.00022981	0.000570125	0.000320166	0.000205152
5032	0.000260035	0.000236361	0.000562679	0.000334201	0.000199339	0.00026077	0.000239686	0.000595695	0.000334201	0.000199161
5033	0.000268467	0.000244037	0.000580777	0.000344688	0.000195632	0.000269131	0.00024737	0.000614808	0.000344688	0.000195184
5034	0.000264564	0.00024089	0.000567208	0.000334463	0.00019373	0.000264104	0.000242968	0.000599843	0.000334463	0.000193133
5035	0.000255575	0.000233369	0.00053945	0.000313844	0.000162475	0.000253089	0.000233176	0.000569391	0.000313844	0.000163907
5036	0.000240697	0.000220252	0.000502069	0.000289435	0.00013164	0.000237037	0.000218644	0.000529207	0.000289435	0.000135269
5037	0.000224953	0.000206587	0.000459733	0.0002645	0.000112756	0.000220432	0.000203824	0.000484247	0.0002645	0.000117182
5038	0.000203257	0.000187204	0.000408479	0.000235526	9.5851E-05	0.000198588	0.000184004	0.000430246	0.000235526	0.000101336
5039	0.000174955	0.000161135	0.000351625	0.000203415	9.20383E-05	0.000171096	0.00015854	0.000370541	0.000203415	9.72569E-05
5040	0.000151117	0.000139063	0.000305216	0.00017857	8.95971E-05	0.000148483	0.000137554	0.000322094	0.00017857	9.4645E-05
5041	0.000134209	0.00012333	0.000273278	0.000162481	8.74521E-05	0.000132827	0.000122997	0.000288962	0.000162481	9.2364E-05
5042	0.000122497	0.000112569	0.000249413	0.000149689	8.94201E-05	0.000121642	0.000112682	0.000263982	0.000149689	9.44622E-05
5043	0.000116417	0.000106985	0.000236999	0.000142731	9.44004E-05	0.000115739	0.000107227	0.000250942	0.000142731	9.97826E-05
5044	0.00011731	0.000107761	0.000239388	0.000144286	0.000101318	0.000116716	0.000108103	0.000253516	0.000144286	0.00010718
5045	0.000121417	0.000111556	0.000247469	0.000148691	0.000109001	0.000120642	0.000111745	0.000261969	0.000148691	0.000115391
5046	0.000128454	0.000118186	0.000259714	0.000155716	0.000113866	0.000127372	0.000118095	0.000274733	0.000155716	0.000120474
5047	0.000142191	0.000130405	0.000292869	0.000174251	0.000209196	0.000141261	0.000130665	0.000309571	0.000174251	0.000209805
5048	0.000155864	0.000142385	0.000328185	0.000194626	0.000211073	0.000155454	0.000143401	0.000346904	0.000194626	0.000211703
5049	0.000170111	0.000155318	0.000359234	0.000212938	0.000212736	0.000169718	0.000156495	0.000379767	0.000212938	0.000213491
5050	0.000184943	0.000168783	0.000391531	0.000231847	0.000213758	0.000184523	0.000170081	0.00041393	0.000231847	0.00021459
5051	0.000198606	0.000181131	0.000422003	0.000249535	0.000214009	0.000198169	0.000182556	0.000446178	0.000249535	0.000214864
5052	0.000211305	0.000192511	0.000451572	0.000267439	0.000199016	0.000211187	0.000194413	0.000477647	0.000267439	0.000200945
5053	0.000224207	0.000204153	0.000480573	0.000284946	0.000198361	0.000224305	0.000206417	0.000508449	0.000284946	0.000200243
5054	0.000235772	0.000214557	0.000506974	0.000301445	0.000195205	0.000236276	0.00021737	0.000536596	0.000301445	0.000196857
5055	0.000249225	0.000226595	0.000538522	0.000320166	0.000204936	0.000249965	0.00022981	0.000570125	0.000320166	0.000205152
5056	0.000260035	0.000236361	0.000562679	0.000334201	0.000199339	0.00026077	0.000239686	0.000595695	0.000334201	0.000199161
5057	0.000268467	0.000244037	0.000580777	0.000344688	0.000195632	0.000269131	0.00024737	0.000614808	0.000344688	0.000195184
5058	0.000264564	0.00024089	0.000567208	0.000334463	0.00019373	0.000264104	0.000242968	0.000599843	0.000334463	0.000193133
5059	0.000255575	0.000233369	0.00053945	0.000313844	0.000162475	0.000253089	0.000233176	0.000569391	0.000313844	0.000163907
5060	0.000240697	0.000220252	0.000502069	0.000289435	0.00013164	0.000237037	0.000218644	0.000529207	0.000289435	0.000135269
5061	0.000224953	0.000206587	0.000459733	0.0002645	0.000112756	0.000220432	0.000203824	0.000484247	0.0002645	0.000117182
5062	0.000203257	0.000187204	0.000408479	0.000235526	9.5851E-05	0.000198588	0.000184004	0.000430246	0.000235526	0.000101336
5063	0.000174955	0.000161135	0.000351625	0.000203415	9.20383E-05	0.000171096	0.00015854	0.000370541	0.000203415	9.72569E-05
5064	0.000151117	0.000139063	0.000305216	0.00017857	8.95971E-05	0.000148483	0.000137554	0.000322094	0.00017857	9.4645E-05
5065	0.00013478	0.000123843	0.000274607	0.000163262	8.70793E-05	0.000133405	0.000123523	0.000290373	0.000163262	9.19649E-05
5066	0.000122627	0.000112686	0.000249711	0.000149866	8.93716E-05	0.000121774	0.000112802	0.000264299	0.000149866	9.44106E-05
5067	0.000116463	0.000107029	0.000237061	0.000142783	9.43528E-05	0.000115786	0.000107274	0.000251007	0.000142783	9.9732E-05
5068	0.000117781	0.000108188	0.00024042	0.000144916	0.000101221	0.000117194	0.000108543	0.000254612	0.000144916	0.000107076
5069	0.000121873	0.000111975	0.000248416	0.00014929	0.000109005	0.000121108	0.000112177	0.000262974	0.00014929	0.000115395
5070	0.00012914	0.000118811	0.000261188	0.000156627	0.000113929	0.00012807	0.000118739	0.000276299	0.000156627	0.00012054
5071	0.000144466	0.000132728	0.000294521	0.000175359	0.000209207	0.000143202	0.000132618	0.000311317	0.000175359	0.000209818
5072	0.000155733	0.000142271	0.000327834	0.000194437	0.000211077	0.000155323	0.000143285	0.000346532	0.000194437	0.000211708
5073	0.000169316	0.000154607	0.000357354	0.000211843	0.00021275	0.000168915	0.000155766	0.000377771	0.000211843	0.000213507
5074	0.000184508	0.000168393	0.000390522	0.000231253	0.000213714	0.000184082	0.00016968	0.000412858	0.000231253	0.000214544
5075	0.000199352	0.000181807	0.000423636	0.000250532	0.000213932	0.000198928	0.000183253	0.000447912	0.000250532	0.000214784
5076	0.000212213	0.000193324	0.000453693	0.000268683	0.000198864	0.000212105	0.000195247	0.000479898	0.000268683	0.000200784
5077	0.000225344	0.000205174	0.000483189	0.000286495	0.000198149	0.000225456	0.000207466	0.000511228	0.000286495	0.000200017
5078	0.000237821	0.000216397	0.00051171	0.000304241	0.000195037	0.000238351	0.000219259	0.000541624	0.000304241	0.000196679
5079	0.000251564	0.000228699	0.000543863	0.000323343	0.000204965	0.000252335	0.000231972	0.000575796	0.000323343	0.000205187
5080	0.000262671	0.000238731	0.000568711	0.000337783	0.00019954	0.000263441	0.000242121	0.000602099	0.000337783	0.00019938
5081	0.000272526	0.000247691	0.000590014	0.000350194	0.000195819	0.000273246	0.000251126	0.000624615	0.000350194	0.000195388
5082	0.000268756	0.000244671	0.000576643	0.000340125	0.000193825	0.000268356	0.000246858	0.000609859	0.000340125	0.000193239
5083	0.000260132	0.000237481	0.000549692	0.000319996	0.000162524	0.000257712	0.000237406	0.000580265	0.000319996	0.000163965

5084	0.000244884	0.000224029	0.000511494	0.000295091	0.000131675	0.000241285	0.000222529	0.000539214	0.000295091	0.000135312
5085	0.000227076	0.000208226	0.000468058	0.00026935	0.000112729	0.000222951	0.000205945	0.000493093	0.00026935	0.000117157
5086	0.000206597	0.000190217	0.000415989	0.000240035	9.59213E-05	0.000201976	0.000187103	0.00043822	0.000240035	0.000101415
5087	0.000177406	0.000163351	0.000357073	0.00020671	9.21897E-05	0.000173584	0.000160821	0.000376325	0.00020671	9.74219E-05
5088	0.000153519	0.000141232	0.000310592	0.000181808	8.98264E-05	0.000150921	0.000139785	0.000327802	0.000181808	9.48933E-05
5089	0.00013478	0.000123843	0.000274607	0.000163262	8.70793E-05	0.000133405	0.000123523	0.000290373	0.000163262	9.19649E-05
5090	0.000122627	0.000112686	0.000249711	0.000149866	8.93716E-05	0.000121774	0.000112802	0.000264299	0.000149866	9.44106E-05
5091	0.000116463	0.000107029	0.000237061	0.000142783	9.43528E-05	0.000115786	0.000107274	0.000251007	0.000142783	9.9732E-05
5092	0.000117781	0.000108188	0.00024042	0.000144916	0.000101221	0.000117194	0.000108543	0.000254612	0.000144916	0.000107076
5093	0.000121873	0.000111975	0.000248416	0.00014929	0.000109005	0.000121108	0.000112177	0.000262974	0.00014929	0.000115395
5094	0.00012914	0.000118811	0.000261188	0.000156627	0.000113929	0.00012807	0.000118739	0.000276299	0.000156627	0.00012054
5095	0.000144466	0.000132728	0.000294521	0.000175359	0.000209207	0.000143202	0.000132618	0.000311317	0.000175359	0.000209818
5096	0.000155733	0.000142271	0.000327834	0.000194437	0.000211077	0.000155323	0.000143285	0.000346532	0.000194437	0.000211708
5097	0.000169316	0.000154607	0.000357354	0.000211843	0.00021275	0.000168915	0.000155766	0.000377771	0.000211843	0.000213507
5098	0.000184508	0.000168393	0.000390522	0.000231253	0.000213714	0.000184082	0.00016968	0.000412858	0.000231253	0.000214544
5099	0.000199352	0.000181807	0.000423636	0.000250532	0.000213932	0.000198928	0.000183253	0.000447912	0.000250532	0.000214784
5100	0.000212213	0.000193324	0.000453693	0.000268683	0.000198864	0.000212105	0.000195247	0.000479898	0.000268683	0.000200784
5101	0.000225344	0.000205174	0.000483189	0.000286495	0.000198149	0.000225456	0.000207466	0.000511228	0.000286495	0.000200017
5102	0.000237821	0.000216397	0.00051171	0.000304241	0.000195037	0.000238351	0.000219259	0.000541624	0.000304241	0.000196679
5103	0.000251564	0.000228699	0.000543863	0.000323343	0.000204965	0.000252335	0.000231972	0.000575796	0.000323343	0.000205187
5104	0.000262671	0.000238731	0.000568711	0.000337783	0.00019954	0.000263441	0.000242121	0.000602099	0.000337783	0.00019938
5105	0.000272526	0.000247691	0.000590014	0.000350194	0.000195819	0.000273246	0.000251126	0.000624615	0.000350194	0.000195388
5106	0.000268756	0.000244671	0.000576643	0.000340125	0.000193825	0.000268356	0.000246858	0.000609859	0.000340125	0.000193239
5107	0.000260132	0.000237481	0.000549692	0.000319996	0.000162524	0.000257712	0.000237406	0.000580265	0.000319996	0.000163965
5108	0.000244884	0.000224029	0.000511494	0.000295091	0.000131675	0.000241285	0.000222529	0.000539214	0.000295091	0.000135312
5109	0.000227076	0.000208226	0.000468058	0.00026935	0.000112729	0.000222951	0.000205945	0.000493093	0.00026935	0.000117157
5110	0.000206597	0.000190217	0.000415989	0.000240035	9.59213E-05	0.000201976	0.000187103	0.00043822	0.000240035	0.000101415
5111	0.000177406	0.000163351	0.000357073	0.00020671	9.21897E-05	0.000173584	0.000160821	0.000376325	0.00020671	9.74219E-05
5112	0.000153519	0.000141232	0.000310592	0.000181808	8.98264E-05	0.000150921	0.000139785	0.000327802	0.000181808	9.48933E-05
5113	0.000122533	0.000112797	0.000246996	0.000146709	8.67298E-05	0.000120982	0.000112163	0.000261059	0.000146709	9.15613E-05
5114	0.000113427	0.000104351	0.000229449	0.000137537	8.78591E-05	0.000112425	0.000104219	0.000242785	0.000137537	9.27578E-05
5115	0.000107339	9.88003E-05	0.0002165	0.000130454	9.28825E-05	0.000106532	9.88106E-05	0.000229179	0.000130454	9.81216E-05
5116	0.000107832	9.92838E-05	0.000217114	0.000131273	0.000101161	0.000107132	9.94055E-05	0.000229872	0.000131273	0.000106969
5117	0.000115198	0.000106072	0.000231862	0.000139931	0.000109973	0.000114388	0.00010614	0.000245405	0.000139931	0.000116394
5118	0.000124318	0.000114483	0.000250045	0.00015005	0.00011377	0.000123189	0.000114294	0.000264469	0.00015005	0.000120327
5119	0.000128958	0.000118452	0.000263256	0.000156414	0.000207837	0.00012783	0.000118368	0.000278131	0.000156414	0.000208303
5120	0.000139062	0.000127156	0.000291271	0.000172132	0.000209448	0.000138377	0.000127717	0.00030771	0.000172132	0.000209929
5121	0.000146536	0.000133997	0.000306825	0.000181238	0.000212254	0.000145779	0.000134552	0.000324123	0.000181238	0.000212944
5122	0.000157342	0.000143888	0.000329333	0.000194547	0.000212481	0.000156524	0.000144476	0.000347895	0.000194547	0.000213198
5123	0.000171325	0.000156579	0.000359829	0.000212511	0.000211838	0.000170519	0.000157321	0.000380172	0.000212511	0.000212517
5124	0.000187364	0.000170946	0.000397248	0.000235001	0.000196813	0.000186914	0.000172242	0.000419972	0.000235001	0.00019856
5125	0.000202722	0.000184777	0.000432127	0.000255905	0.000197629	0.000202511	0.00018649	0.000457015	0.000255905	0.000199429
5126	0.000219062	0.000199389	0.000470568	0.000279144	0.00019577	0.000219284	0.000201742	0.00049794	0.000279144	0.000197438
5127	0.000231376	0.000210482	0.000498478	0.000296085	0.000205972	0.000231853	0.000213234	0.000527611	0.000296085	0.000206239
5128	0.000237615	0.000216191	0.000511499	0.000303755	0.000198969	0.00023805	0.000218956	0.000541359	0.000303755	0.000198747
5129	0.000241438	0.000219841	0.000517519	0.000307634	0.000193579	0.000241792	0.000222537	0.000547656	0.000307634	0.000192973
5130	0.000240821	0.000219584	0.000512303	0.000302063	0.000190358	0.000240066	0.000221086	0.000541555	0.000302063	0.000189518
5131	0.000238655	0.000218177	0.000500444	0.000290782	0.000159257	0.000235955	0.00021757	0.000527982	0.000290782	0.000160464
5132	0.000228206	0.000209157	0.00047172	0.000272062	0.000127964	0.000224441	0.000207282	0.000496993	0.000272062	0.000131339
5133	0.000211718	0.000194666	0.000429711	0.00024657	0.000108484	0.000207014	0.000191567	0.000452373	0.00024657	0.00011261
5134	0.000187352	0.00017286	0.000372615	0.000214027	9.10247E-05	0.000182454	0.000169251	0.00039217	0.000214027	9.6169E-05
5135	0.000161892	0.00014939	0.000321718	0.000185657	8.81635E-05	0.000157861	0.000146471	0.000338791	0.000185657	9.3101E-05
5136	0.000140886	0.000129896	0.000281384	0.00016457	8.68858E-05	0.000138131	0.000128142	0.000296794	0.00016457	9.17314E-05
5137	0.000122533	0.000112797	0.000246996	0.000146709	8.67298E-05	0.000120982	0.000112163	0.000261059	0.000146709	9.15613E-05
5138	0.000113427	0.000104351	0.000229449	0.000137537	8.78591E-05	0.000112425	0.000104219	0.000242785	0.000137537	9.27578E-05
5139	0.000107339	9.88003E-05	0.0002165	0.000130454	9.28825E-05	0.000106532	9.88106E-05	0.000229179	0.000130454	9.81216E-05
5140	0.000107832	9.92838E-05	0.000217114	0.000131273	0.000101161	0.000107132	9.94055E-05	0.000229872	0.000131273	0.000106969
5141	0.000115198	0.000106072	0.000231862	0.000139931	0.000109973	0.000114388	0.00010614	0.000245405	0.000139931	0.000116394
5142	0.000124318	0.000114483	0.000250045	0.00015005	0.00011377	0.000123189	0.000114294	0.000264469	0.00015005	0.000120327
5143	0.000128958	0.000118452	0.000263256	0.000156414	0.000207837	0.00012783	0.000118368	0.000278131	0.000156414	0.000208303
5144	0.000139062	0.000127156	0.000291271	0.000172132	0.000209448	0.000138377	0.000127717	0.00030771	0.000172132	0.000209929
5145	0.000146536	0.000133997	0.000306825	0.000181238	0.000212254	0.000145779	0.000134552	0.000324123	0.000181238	0.000212944
5146	0.000157342	0.000143888	0.000329333	0.000194547	0.000212481	0.000156524	0.000144476	0.000347895	0.000194547	0.000213198
5147	0.000171325	0.000156579	0.000359829	0.000212511	0.000211838	0.000170519	0.000157321	0.000380172	0.000212511	0.000212517
5148	0.000187364	0.000170946	0.000397248	0.000235001	0.000196813	0.000186914	0.000172242	0.000419972	0.000235001	0.00019856
5149	0.000202722	0.000184777	0.000432127	0.000255905	0.000197629	0.000202511	0.00018649	0.000457015	0.000255905	0.000199429
5150	0.000219062	0.000199389	0.000470568	0.000279144	0.00019577	0.000219284	0.000201742	0.00049794	0.000279144	0.000197438
5151	0.000231376	0.000210482	0.000498478	0.000296085	0.000205972	0.000231853	0.000213234	0.000527611	0.000296085	0.000206239
5152	0.000237615	0.000216191	0.000511499	0.000303755	0.000198969	0.00023805	0.000218956	0.000541359	0.000303755	0.000198747
5153	0.000241438	0.000219841	0.000517519	0.000307634	0.000193579	0.000241792	0.000222537	0.000547656	0.000307634	0.000192973
5154	0.000240821	0.000219584	0.000512303	0.000302063	0.000190358	0.000240066	0.000221086	0.000541555	0.000302063	0.000189518
5155	0.000238655	0.000218177	0.000500444	0.000290782	0.000159257	0.000235955	0.00021757	0.000527982	0.000290782	0.000160464
5156	0.000228206	0.000209157	0.00047172	0.000272062	0.000127964	0.000224441	0.000207282	0.000496993	0.000272062	0.000131339
5157	0.000211718	0.000194666	0.000429711	0.00024657	0.000108484	0.000207014	0.000191567	0.000452373	0.00024657	0.00011261
5158	0.000187352	0.00017286	0.000372615	0.000214027	9.10247E-05	0.000182454	0.000169251	0.00039217	0.000214027	9.6169E-05
5159	0.000161892	0.00014939	0.000321718	0.000185657	8.81635E-05	0.000157861	0.000146471	0.000338791	0.000185657	9.3101E-05

5160	0.000140886	0.000129896	0.000281384	0.00016457	8.68858E-05	0.000138131	0.000128142	0.000296794	0.00016457	9.17314E-05
5161	0.000122533	0.000112797	0.000246996	0.000146709	8.67298E-05	0.000120982	0.000112163	0.000261059	0.000146709	9.15613E-05
5162	0.000113427	0.000104351	0.000229449	0.000137537	8.78591E-05	0.000112425	0.000104219	0.000242785	0.000137537	9.27578E-05
5163	0.000107339	9.88003E-05	0.0002165	0.000130454	9.28825E-05	0.000106532	9.88106E-05	0.000229179	0.000130454	9.81216E-05
5164	0.000107832	9.92838E-05	0.000217114	0.000131273	0.000101161	0.000107132	9.94055E-05	0.000229872	0.000131273	0.000106969
5165	0.000115198	0.000106072	0.000231862	0.000139931	0.000109973	0.000114388	0.00010614	0.000245405	0.000139931	0.000116394
5166	0.000124318	0.000114483	0.000250045	0.00015005	0.00011377	0.000123189	0.000114294	0.000264469	0.00015005	0.000120327
5167	0.000128958	0.000118452	0.000263256	0.000156414	0.000207837	0.00012783	0.000118368	0.000278131	0.000156414	0.000208303
5168	0.000139062	0.000127156	0.000291271	0.000172132	0.000209448	0.000138377	0.000127717	0.00030771	0.000172132	0.000209929
5169	0.000146536	0.000133997	0.000306825	0.000181238	0.000212254	0.000145779	0.000134552	0.000324123	0.000181238	0.000212944
5170	0.000157342	0.000143888	0.000329333	0.000194547	0.000212481	0.000156524	0.000144476	0.000347895	0.000194547	0.000213198
5171	0.000171325	0.000156579	0.000359829	0.000212511	0.000211838	0.000170519	0.000157321	0.000380172	0.000212511	0.000212517
5172	0.000187364	0.000170946	0.000397248	0.000235001	0.000196813	0.000186914	0.000172242	0.000419972	0.000235001	0.00019856
5173	0.000202722	0.000184777	0.000432127	0.000255905	0.000197629	0.000202511	0.00018649	0.000457015	0.000255905	0.000199429
5174	0.000219062	0.000199389	0.000470568	0.000279144	0.00019577	0.000219284	0.000201742	0.00049794	0.000279144	0.000197438
5175	0.000231376	0.000210482	0.000498478	0.000296085	0.000205972	0.000231853	0.000213234	0.000527611	0.000296085	0.000206239
5176	0.000237615	0.000216191	0.000511499	0.000303755	0.000198969	0.00023805	0.000218956	0.000541359	0.000303755	0.000198747
5177	0.000241438	0.000219841	0.000517519	0.000307634	0.000193579	0.000241792	0.000222537	0.000547656	0.000307634	0.000192973
5178	0.000240821	0.000219584	0.000512303	0.000302063	0.000190358	0.000240066	0.000221086	0.000541555	0.000302063	0.000189518
5179	0.000238655	0.000218177	0.000500444	0.000290782	0.000159257	0.000235955	0.00021757	0.000527982	0.000290782	0.000160464
5180	0.000228206	0.000209157	0.00047172	0.000272062	0.000127964	0.000224441	0.000207282	0.000496993	0.000272062	0.000131339
5181	0.000211718	0.000194666	0.000429711	0.00024657	0.000108484	0.000207014	0.000191567	0.000452373	0.00024657	0.00011261
5182	0.000187352	0.00017286	0.000372615	0.000214027	9.10247E-05	0.000182454	0.000169251	0.00039217	0.000214027	9.6169E-05
5183	0.000161892	0.00014939	0.000321718	0.000185657	8.81635E-05	0.000157861	0.000146471	0.000338791	0.000185657	9.3101E-05
5184	0.000140886	0.000129896	0.000281384	0.00016457	8.68858E-05	0.000138131	0.000128142	0.000296794	0.00016457	9.17314E-05
5185	0.000122533	0.000112797	0.000246996	0.000146709	8.67298E-05	0.000120982	0.000112163	0.000261059	0.000146709	9.15613E-05
5186	0.000113427	0.000104351	0.000229449	0.000137537	8.78591E-05	0.000112425	0.000104219	0.000242785	0.000137537	9.27578E-05
5187	0.000107339	9.88003E-05	0.0002165	0.000130454	9.28825E-05	0.000106532	9.88106E-05	0.000229179	0.000130454	9.81216E-05
5188	0.000107832	9.92838E-05	0.000217114	0.000131273	0.000101161	0.000107132	9.94055E-05	0.000229872	0.000131273	0.000106969
5189	0.000115198	0.000106072	0.000231862	0.000139931	0.000109973	0.000114388	0.00010614	0.000245405	0.000139931	0.000116394
5190	0.000124318	0.000114483	0.000250045	0.00015005	0.00011377	0.000123189	0.000114294	0.000264469	0.00015005	0.000120327
5191	0.000128958	0.000118452	0.000263256	0.000156414	0.000207837	0.00012783	0.000118368	0.000278131	0.000156414	0.000208303
5192	0.000139062	0.000127156	0.000291271	0.000172132	0.000209448	0.000138377	0.000127717	0.00030771	0.000172132	0.000209929
5193	0.000146536	0.000133997	0.000306825	0.000181238	0.000212254	0.000145779	0.000134552	0.000324123	0.000181238	0.000212944
5194	0.000157342	0.000143888	0.000329333	0.000194547	0.000212481	0.000156524	0.000144476	0.000347895	0.000194547	0.000213198
5195	0.000171325	0.000156579	0.000359829	0.000212511	0.000211838	0.000170519	0.000157321	0.000380172	0.000212511	0.000212517
5196	0.000187364	0.000170946	0.000397248	0.000235001	0.000196813	0.000186914	0.000172242	0.000419972	0.000235001	0.00019856
5197	0.000202722	0.000184777	0.000432127	0.000255905	0.000197629	0.000202511	0.00018649	0.000457015	0.000255905	0.000199429
5198	0.000219062	0.000199389	0.000470568	0.000279144	0.00019577	0.000219284	0.000201742	0.00049794	0.000279144	0.000197438
5199	0.000231376	0.000210482	0.000498478	0.000296085	0.000205972	0.000231853	0.000213234	0.000527611	0.000296085	0.000206239
5200	0.000237615	0.000216191	0.000511499	0.000303755	0.000198969	0.00023805	0.000218956	0.000541359	0.000303755	0.000198747
5201	0.000241438	0.000219841	0.000517519	0.000307634	0.000193579	0.000241792	0.000222537	0.000547656	0.000307634	0.000192973
5202	0.000240821	0.000219584	0.000512303	0.000302063	0.000190358	0.000240066	0.000221086	0.000541555	0.000302063	0.000189518
5203	0.000238655	0.000218177	0.000500444	0.000290782	0.000159257	0.000235955	0.00021757	0.000527982	0.000290782	0.000160464
5204	0.000228206	0.000209157	0.00047172	0.000272062	0.000127964	0.000224441	0.000207282	0.000496993	0.000272062	0.000131339
5205	0.000211718	0.000194666	0.000429711	0.00024657	0.000108484	0.000207014	0.000191567	0.000452373	0.00024657	0.00011261
5206	0.000187352	0.00017286	0.000372615	0.000214027	9.10247E-05	0.000182454	0.000169251	0.00039217	0.000214027	9.6169E-05
5207	0.000161892	0.00014939	0.000321718	0.000185657	8.81635E-05	0.000157861	0.000146471	0.000338791	0.000185657	9.3101E-05
5208	0.000140886	0.000129896	0.000281384	0.00016457	8.68858E-05	0.000138131	0.000128142	0.000296794	0.00016457	9.17314E-05
5209	0.000122533	0.000112797	0.000246996	0.000146709	8.67298E-05	0.000120982	0.000112163	0.000261059	0.000146709	9.15613E-05
5210	0.000113427	0.000104351	0.000229449	0.000137537	8.78591E-05	0.000112425	0.000104219	0.000242785	0.000137537	9.27578E-05
5211	0.000107339	9.88003E-05	0.0002165	0.000130454	9.28825E-05	0.000106532	9.88106E-05	0.000229179	0.000130454	9.81216E-05
5212	0.000107832	9.92838E-05	0.000217114	0.000131273	0.000101161	0.000107132	9.94055E-05	0.000229872	0.000131273	0.000106969
5213	0.000115198	0.000106072	0.000231862	0.000139931	0.000109973	0.000114388	0.00010614	0.000245405	0.000139931	0.000116394
5214	0.000124318	0.000114483	0.000250045	0.00015005	0.00011377	0.000123189	0.000114294	0.000264469	0.00015005	0.000120327
5215	0.000128958	0.000118452	0.000263256	0.000156414	0.000207837	0.00012783	0.000118368	0.000278131	0.000156414	0.000208303
5216	0.000139062	0.000127156	0.000291271	0.000172132	0.000209448	0.000138377	0.000127717	0.00030771	0.000172132	0.000209929
5217	0.000146536	0.000133997	0.000306825	0.000181238	0.000212254	0.000145779	0.000134552	0.000324123	0.000181238	0.000212944
5218	0.000157342	0.000143888	0.000329333	0.000194547	0.000212481	0.000156524	0.000144476	0.000347895	0.000194547	0.000213198
5219	0.000171325	0.000156579	0.000359829	0.000212511	0.000211838	0.000170519	0.000157321	0.000380172	0.000212511	0.000212517
5220	0.000187364	0.000170946	0.000397248	0.000235001	0.000196813	0.000186914	0.000172242	0.000419972	0.000235001	0.00019856
5221	0.000202722	0.000184777	0.000432127	0.000255905	0.000197629	0.000202511	0.00018649	0.000457015	0.000255905	0.000199429
5222	0.000219062	0.000199389	0.000470568	0.000279144	0.00019577	0.000219284	0.000201742	0.00049794	0.000279144	0.000197438
5223	0.000231376	0.000210482	0.000498478	0.000296085	0.000205972	0.000231853	0.000213234	0.000527611	0.000296085	0.000206239
5224	0.000237615	0.000216191	0.000511499	0.000303755	0.000198969	0.00023805	0.000218956	0.000541359	0.000303755	0.000198747
5225	0.000241438	0.000219841	0.000517519	0.000307634	0.000193579	0.000241792	0.000222537	0.000547656	0.000307634	0.000192973
5226	0.000240821	0.000219584	0.000512303	0.000302063	0.000190358	0.000240066	0.000221086	0.000541555	0.000302063	0.000189518
5227	0.000238655	0.000218177	0.000500444	0.000290782	0.000159257	0.000235955	0.00021757	0.000527982	0.000290782	0.000160464
5228	0.000228206	0.000209157	0.00047172	0.000272062	0.000127964	0.000224441	0.000207282	0.000496993	0.000272062	0.000131339
5229	0.000211718	0.000194666	0.000429711	0.00024657	0.000108484	0.000207014	0.000191567	0.000452373	0.00024657	0.00011261
5230	0.000187352	0.00017286	0.000372615	0.000214027	9.10247E-05	0.000182454	0.000169251	0.00039217	0.000214027	9.6169E-05
5231	0.000161892	0.00014939	0.000321718	0.000185657	8.81635E-05	0.000157861	0.000146471	0.000338791	0.000185657	9.3101E-05
5232	0.000140886	0.000129896	0.000281384	0.00016457	8.68858E-05	0.000138131	0.000128142	0.000296794	0.00016457	9.17314E-05
5233	0.000121924	0.000112252	0.000245565	0.000145872	8.68363E-05	0.000120366	0.000111604	0.00025954	0.000145872	9.16774E-05
5234	0.000112785	0.000103771	0.00022802	0.000136674	8.76668E-05	0.000111774	0.000103622	0.000241267	0.000136674	9.25516E-05
5235	0.000106608	9.81409E-05	0.000214849	0.000129464	9.27125E-05	0.00010579	9.81325E-05	0.000227425	0.000129464	9.79389E-05

5236	0.000107301	9.8805E-05	0.000215916	0.000130555	0.000100999	0.000106594	9.89131E-05	0.000228599	0.000130555	0.000106796
5237	0.000114817	0.000105729	0.000230997	0.000139415	0.000109815	0.000114001	0.000105787	0.000244487	0.000139415	0.000116224
5238	0.000124229	0.000114402	0.00024986	0.000149933	0.000113771	0.000123098	0.00011421	0.000264273	0.000149933	0.000120329
5239	0.000130453	0.00012007	0.000263183	0.000156475	0.000207519	0.000128978	0.000119593	0.000278045	0.000156475	0.000207964
5240	0.000138591	0.00012673	0.000290216	0.000171497	0.000209301	0.000137899	0.00012728	0.000306589	0.000171497	0.00020977
5241	0.000145751	0.000133286	0.000305108	0.000180189	0.000212107	0.000144981	0.000133819	0.000322299	0.000180189	0.000212785
5242	0.000156103	0.000142768	0.000326578	0.000192881	0.000212218	0.000155266	0.000143324	0.00034497	0.000192881	0.000212915
5243	0.000169467	0.000154897	0.000355738	0.000210022	0.000211532	0.000168632	0.000155588	0.000375827	0.000210022	0.000212187
5244	0.000185149	0.000168936	0.000392412	0.000232042	0.000196523	0.000184661	0.000170171	0.000414838	0.000232042	0.000198247
5245	0.000199494	0.000181861	0.000424905	0.000251554	0.000197287	0.000199235	0.00018349	0.000449348	0.000251554	0.00019906
5246	0.000214853	0.000195597	0.000461016	0.000273441	0.000195341	0.000215017	0.000197844	0.000487799	0.000273441	0.000196976
5247	0.000226947	0.000206493	0.000488428	0.000290085	0.000205648	0.000227363	0.000209133	0.00051694	0.000290085	0.00020589
5248	0.000233098	0.000212127	0.000501193	0.000297623	0.00019865	0.000233473	0.000214779	0.000530419	0.000297623	0.000198403
5249	0.000237049	0.000215885	0.000507608	0.000301699	0.000193253	0.000237341	0.000218468	0.000537133	0.000301699	0.000192621
5250	0.000236085	0.00021532	0.000501541	0.000295643	0.000190011	0.000235265	0.000216702	0.00053013	0.000295643	0.000189144
5251	0.000234646	0.00021456	0.000491411	0.000285364	0.000158872	0.000231888	0.000213851	0.000518392	0.000285364	0.000160049
5252	0.000224473	0.000205792	0.000463296	0.000267015	0.000127569	0.000220655	0.000203821	0.00048805	0.000267015	0.000130913
5253	0.000206743	0.000189905	0.000422	0.000241819	0.000108049	0.000202333	0.000187107	0.000444194	0.000241819	0.000112141
5254	0.000184432	0.000170224	0.000366059	0.000210086	9.05309E-05	0.000179491	0.00016654	0.00038521	0.000210086	9.56375E-05
5255	0.000159624	0.000147338	0.000316686	0.000182609	8.77136E-05	0.000155558	0.000144359	0.000333448	0.000182609	9.26168E-05
5256	0.000139587	0.000128718	0.00027854	0.000162833	8.66972E-05	0.00013681	0.000126929	0.000293774	0.000162833	9.15282E-05
5257	0.000121924	0.000112252	0.000245565	0.000145872	8.68363E-05	0.000120366	0.000111604	0.00025954	0.000145872	9.16774E-05
5258	0.000112785	0.000103771	0.00022802	0.000136674	8.76668E-05	0.000111774	0.000103622	0.000241267	0.000136674	9.25516E-05
5259	0.000106608	9.81409E-05	0.000214849	0.000129464	9.27125E-05	0.00010579	9.81325E-05	0.000227425	0.000129464	9.79389E-05
5260	0.000107301	9.8805E-05	0.000215916	0.000130555	0.000100999	0.000106594	9.89131E-05	0.000228599	0.000130555	0.000106796
5261	0.000114817	0.000105729	0.000230997	0.000139415	0.000109815	0.000114001	0.000105787	0.000244487	0.000139415	0.000116224
5262	0.000124229	0.000114402	0.00024986	0.000149933	0.000113771	0.000123098	0.00011421	0.000264273	0.000149933	0.000120329
5263	0.000130453	0.00012007	0.000263183	0.000156475	0.000207519	0.000128978	0.000119593	0.000278045	0.000156475	0.000207964
5264	0.000138591	0.00012673	0.000290216	0.000171497	0.000209301	0.000137899	0.00012728	0.000306589	0.000171497	0.00020977
5265	0.000145751	0.000133286	0.000305108	0.000180189	0.000212107	0.000144981	0.000133819	0.000322299	0.000180189	0.000212785
5266	0.000156103	0.000142768	0.000326578	0.000192881	0.000212218	0.000155266	0.000143324	0.00034497	0.000192881	0.000212915
5267	0.000169467	0.000154897	0.000355738	0.000210022	0.000211532	0.000168632	0.000155588	0.000375827	0.000210022	0.000212187
5268	0.000185149	0.000168936	0.000392412	0.000232042	0.000196523	0.000184661	0.000170171	0.000414838	0.000232042	0.000198247
5269	0.000199494	0.000181861	0.000424905	0.000251554	0.000197287	0.000199235	0.00018349	0.000449348	0.000251554	0.00019906
5270	0.000214853	0.000195597	0.000461016	0.000273441	0.000195341	0.000215017	0.000197844	0.000487799	0.000273441	0.000196976
5271	0.000226947	0.000206493	0.000488428	0.000290085	0.000205648	0.000227363	0.000209133	0.00051694	0.000290085	0.00020589
5272	0.000233098	0.000212127	0.000501193	0.000297623	0.00019865	0.000233473	0.000214779	0.000530419	0.000297623	0.000198403
5273	0.000237049	0.000215885	0.000507608	0.000301699	0.000193253	0.000237341	0.000218468	0.000537133	0.000301699	0.000192621
5274	0.000236085	0.00021532	0.000501541	0.000295643	0.000190011	0.000235265	0.000216702	0.00053013	0.000295643	0.000189144
5275	0.000234646	0.00021456	0.000491411	0.000285364	0.000158872	0.000231888	0.000213851	0.000518392	0.000285364	0.000160049
5276	0.000224473	0.000205792	0.000463296	0.000267015	0.000127569	0.000220655	0.000203821	0.00048805	0.000267015	0.000130913
5277	0.000206743	0.000189905	0.000422	0.000241819	0.000108049	0.000202333	0.000187107	0.000444194	0.000241819	0.000112141
5278	0.000184432	0.000170224	0.000366059	0.000210086	9.05309E-05	0.000179491	0.00016654	0.00038521	0.000210086	9.56375E-05
5279	0.000159624	0.000147338	0.000316686	0.000182609	8.77136E-05	0.000155558	0.000144359	0.000333448	0.000182609	9.26168E-05
5280	0.000139587	0.000128718	0.00027854	0.000162833	8.66972E-05	0.00013681	0.000126929	0.000293774	0.000162833	9.15282E-05
5281	0.000122533	0.000112797	0.000246996	0.000146709	8.67298E-05	0.000120982	0.000112163	0.000261059	0.000146709	9.15613E-05
5282	0.000113427	0.000104351	0.000229449	0.000137537	8.78591E-05	0.000112425	0.000104219	0.000242785	0.000137537	9.27578E-05
5283	0.000107339	9.88003E-05	0.0002165	0.000130454	9.28825E-05	0.000106532	9.88106E-05	0.000229179	0.000130454	9.81216E-05
5284	0.000107832	9.92838E-05	0.000217114	0.000131273	0.000101161	0.000107132	9.94055E-05	0.000229872	0.000131273	0.000106969
5285	0.000115198	0.000106072	0.000231862	0.000139931	0.000109973	0.000114388	0.00010614	0.000245405	0.000139931	0.000116394
5286	0.000124318	0.000114483	0.000250045	0.00015005	0.00011377	0.000123189	0.000114294	0.000264469	0.00015005	0.000120327
5287	0.000128958	0.000118452	0.000263256	0.000156414	0.000207837	0.00012783	0.000118368	0.000278131	0.000156414	0.000208303
5288	0.000139062	0.000127156	0.000291271	0.000172132	0.000209448	0.000138377	0.000127717	0.00030771	0.000172132	0.000209929
5289	0.000146536	0.000133997	0.000306825	0.000181238	0.000212254	0.000145779	0.000134552	0.000324123	0.000181238	0.000212944
5290	0.000157342	0.000143888	0.000329333	0.000194547	0.000212481	0.000156524	0.000144476	0.000347895	0.000194547	0.000213198
5291	0.000171325	0.000156579	0.000359829	0.000212511	0.000211838	0.000170519	0.000157321	0.000380172	0.000212511	0.000212517
5292	0.000187364	0.000170946	0.000397248	0.000235001	0.000196813	0.000186914	0.000172242	0.000419972	0.000235001	0.00019856
5293	0.000202722	0.000184777	0.000432127	0.000255905	0.000197629	0.000202511	0.00018649	0.000457015	0.000255905	0.000199429
5294	0.000219062	0.000199389	0.000470568	0.000279144	0.00019577	0.000219284	0.000201742	0.00049794	0.000279144	0.000197438
5295	0.000231376	0.000210482	0.000498478	0.000296085	0.000205972	0.000231853	0.000213234	0.000527611	0.000296085	0.000206239
5296	0.000237615	0.000216191	0.000511499	0.000303755	0.000198969	0.00023805	0.000218956	0.000541359	0.000303755	0.000198747
5297	0.000241438	0.000219841	0.000517519	0.000307634	0.000193579	0.000241792	0.000222537	0.000547656	0.000307634	0.000192973
5298	0.000240821	0.000219584	0.000512303	0.000302063	0.000190358	0.000240066	0.000221086	0.000541555	0.000302063	0.000189518
5299	0.000238655	0.000218177	0.000500444	0.000290782	0.000159257	0.000235955	0.00021757	0.000527982	0.000290782	0.000160464
5300	0.000228206	0.000209157	0.00047172	0.000272062	0.000127964	0.000224441	0.000207282	0.000496993	0.000272062	0.000131339
5301	0.000211718	0.000194666	0.000429711	0.00024657	0.000108484	0.000207014	0.000191567	0.000452373	0.00024657	0.00011261
5302	0.000187352	0.00017286	0.000372615	0.000214027	9.10247E-05	0.000182454	0.000169251	0.00039217	0.000214027	9.6169E-05
5303	0.000161892	0.00014939	0.000321718	0.000185657	8.81635E-05	0.000157861	0.000146471	0.000338791	0.000185657	9.3101E-05
5304	0.000140886	0.000129896	0.000281384	0.00016457	8.68858E-05	0.000138131	0.000128142	0.000296794	0.00016457	9.17314E-05
5305	0.000122533	0.000112797	0.000246996	0.000146709	8.67298E-05	0.000120982	0.000112163	0.000261059	0.000146709	9.15613E-05
5306	0.000113427	0.000104351	0.000229449	0.000137537	8.78591E-05	0.000112425	0.000104219	0.000242785	0.000137537	9.27578E-05
5307	0.000107339	9.88003E-05	0.0002165	0.000130454	9.28825E-05	0.000106532	9.88106E-05	0.000229179	0.000130454	9.81216E-05
5308	0.000107832	9.92838E-05	0.000217114	0.000131273	0.000101161	0.000107132	9.94055E-05	0.000229872	0.000131273	0.000106969
5309	0.000115198	0.000106072	0.000231862	0.000139931	0.000109973	0.000114388	0.00010614	0.000245405	0.000139931	0.000116394
5310	0.000124318	0.000114483	0.000250045	0.00015005	0.00011377	0.000123189	0.000114294	0.000264469	0.00015005	0.000120327
5311	0.000128958	0.000118452	0.000263256	0.000156414	0.000207837	0.00012783	0.000118368	0.000278131	0.000156414	0.000208303

5312	0.000139062	0.000127156	0.000291271	0.000172132	0.000209448	0.000138377	0.000127717	0.00030771	0.000172132	0.000209929
5313	0.000146536	0.000133997	0.000306825	0.000181238	0.000212254	0.000145779	0.000134552	0.000324123	0.000181238	0.000212944
5314	0.000157342	0.000143888	0.000329333	0.000194547	0.000212481	0.000156524	0.000144476	0.000347895	0.000194547	0.000213198
5315	0.000171325	0.000156579	0.000359829	0.000212511	0.000211838	0.000170519	0.000157321	0.000380172	0.000212511	0.000212517
5316	0.000187364	0.000170946	0.000397248	0.000235001	0.000196813	0.000186914	0.000172242	0.000419972	0.000235001	0.00019856
5317	0.000202722	0.000184777	0.000432127	0.000255905	0.000197629	0.000202511	0.00018649	0.000457015	0.000255905	0.000199429
5318	0.000219062	0.000199389	0.000470568	0.000279144	0.00019577	0.000219284	0.000201742	0.00049794	0.000279144	0.000197438
5319	0.000231376	0.000210482	0.000498478	0.000296085	0.000205972	0.000231853	0.000213234	0.000527611	0.000296085	0.000206239
5320	0.000237615	0.000216191	0.000511499	0.000303755	0.000198969	0.00023805	0.000218956	0.000541359	0.000303755	0.000198747
5321	0.000241438	0.000219841	0.000517519	0.000307634	0.000193579	0.000241792	0.000222537	0.000547656	0.000307634	0.000192973
5322	0.000240821	0.000219584	0.000512303	0.000302063	0.000190358	0.000240066	0.000221086	0.000541555	0.000302063	0.000189518
5323	0.000238655	0.000218177	0.000500444	0.000290782	0.000159257	0.000235955	0.00021757	0.000527982	0.000290782	0.000160464
5324	0.000228206	0.000209157	0.00047172	0.000272062	0.000127964	0.000224441	0.000207282	0.000496993	0.000272062	0.000131339
5325	0.000211718	0.000194666	0.000429711	0.00024657	0.000108484	0.000207014	0.000191567	0.000452373	0.00024657	0.00011261
5326	0.000187352	0.00017286	0.000372615	0.000214027	9.10247E-05	0.000182454	0.000169251	0.00039217	0.000214027	9.6169E-05
5327	0.000161892	0.00014939	0.000321718	0.000185657	8.81635E-05	0.000157861	0.000146471	0.000338791	0.000185657	9.3101E-05
5328	0.000140886	0.000129896	0.000281384	0.00016457	8.68858E-05	0.000138131	0.000128142	0.000296794	0.00016457	9.17314E-05
5329	0.000122533	0.000112797	0.000246996	0.000146709	8.67298E-05	0.000120982	0.000112163	0.000261059	0.000146709	9.15613E-05
5330	0.000113427	0.000104351	0.000229449	0.000137537	8.78591E-05	0.000112425	0.000104219	0.000242785	0.000137537	9.27578E-05
5331	0.000107339	9.88003E-05	0.0002165	0.000130454	9.28825E-05	0.000106532	9.88106E-05	0.000229179	0.000130454	9.81216E-05
5332	0.000107832	9.92838E-05	0.000217114	0.000131273	0.000101161	0.000107132	9.94055E-05	0.000229872	0.000131273	0.000106969
5333	0.000115198	0.000106072	0.000231862	0.000139931	0.000109973	0.000114388	0.00010614	0.000245405	0.000139931	0.000116394
5334	0.000124318	0.000114483	0.000250045	0.00015005	0.00011377	0.000123189	0.000114294	0.000264469	0.00015005	0.000120327
5335	0.000128958	0.000118452	0.000263256	0.000156414	0.000207837	0.00012783	0.000118368	0.000278131	0.000156414	0.000208303
5336	0.000139062	0.000127156	0.000291271	0.000172132	0.000209448	0.000138377	0.000127717	0.00030771	0.000172132	0.000209929
5337	0.000146536	0.000133997	0.000306825	0.000181238	0.000212254	0.000145779	0.000134552	0.000324123	0.000181238	0.000212944
5338	0.000157342	0.000143888	0.000329333	0.000194547	0.000212481	0.000156524	0.000144476	0.000347895	0.000194547	0.000213198
5339	0.000171325	0.000156579	0.000359829	0.000212511	0.000211838	0.000170519	0.000157321	0.000380172	0.000212511	0.000212517
5340	0.000187364	0.000170946	0.000397248	0.000235001	0.000196813	0.000186914	0.000172242	0.000419972	0.000235001	0.00019856
5341	0.000202722	0.000184777	0.000432127	0.000255905	0.000197629	0.000202511	0.00018649	0.000457015	0.000255905	0.000199429
5342	0.000219062	0.000199389	0.000470568	0.000279144	0.00019577	0.000219284	0.000201742	0.00049794	0.000279144	0.000197438
5343	0.000231376	0.000210482	0.000498478	0.000296085	0.000205972	0.000231853	0.000213234	0.000527611	0.000296085	0.000206239
5344	0.000237615	0.000216191	0.000511499	0.000303755	0.000198969	0.00023805	0.000218956	0.000541359	0.000303755	0.000198747
5345	0.000241438	0.000219841	0.000517519	0.000307634	0.000193579	0.000241792	0.000222537	0.000547656	0.000307634	0.000192973
5346	0.000240821	0.000219584	0.000512303	0.000302063	0.000190358	0.000240066	0.000221086	0.000541555	0.000302063	0.000189518
5347	0.000238655	0.000218177	0.000500444	0.000290782	0.000159257	0.000235955	0.00021757	0.000527982	0.000290782	0.000160464
5348	0.000228206	0.000209157	0.00047172	0.000272062	0.000127964	0.000224441	0.000207282	0.000496993	0.000272062	0.000131339
5349	0.000211718	0.000194666	0.000429711	0.00024657	0.000108484	0.000207014	0.000191567	0.000452373	0.00024657	0.00011261
5350	0.000187352	0.00017286	0.000372615	0.000214027	9.10247E-05	0.000182454	0.000169251	0.00039217	0.000214027	9.6169E-05
5351	0.000161892	0.00014939	0.000321718	0.000185657	8.81635E-05	0.000157861	0.000146471	0.000338791	0.000185657	9.3101E-05
5352	0.000140886	0.000129896	0.000281384	0.00016457	8.68858E-05	0.000138131	0.000128142	0.000296794	0.00016457	9.17314E-05
5353	0.000122533	0.000112797	0.000246996	0.000146709	8.67298E-05	0.000120982	0.000112163	0.000261059	0.000146709	9.15613E-05
5354	0.000113427	0.000104351	0.000229449	0.000137537	8.78591E-05	0.000112425	0.000104219	0.000242785	0.000137537	9.27578E-05
5355	0.000107339	9.88003E-05	0.0002165	0.000130454	9.28825E-05	0.000106532	9.88106E-05	0.000229179	0.000130454	9.81216E-05
5356	0.000107832	9.92838E-05	0.000217114	0.000131273	0.000101161	0.000107132	9.94055E-05	0.000229872	0.000131273	0.000106969
5357	0.000115198	0.000106072	0.000231862	0.000139931	0.000109973	0.000114388	0.00010614	0.000245405	0.000139931	0.000116394
5358	0.000124318	0.000114483	0.000250045	0.00015005	0.00011377	0.000123189	0.000114294	0.000264469	0.00015005	0.000120327
5359	0.000128958	0.000118452	0.000263256	0.000156414	0.000207837	0.00012783	0.000118368	0.000278131	0.000156414	0.000208303
5360	0.000139062	0.000127156	0.000291271	0.000172132	0.000209448	0.000138377	0.000127717	0.00030771	0.000172132	0.000209929
5361	0.000146536	0.000133997	0.000306825	0.000181238	0.000212254	0.000145779	0.000134552	0.000324123	0.000181238	0.000212944
5362	0.000157342	0.000143888	0.000329333	0.000194547	0.000212481	0.000156524	0.000144476	0.000347895	0.000194547	0.000213198
5363	0.000171325	0.000156579	0.000359829	0.000212511	0.000211838	0.000170519	0.000157321	0.000380172	0.000212511	0.000212517
5364	0.000187364	0.000170946	0.000397248	0.000235001	0.000196813	0.000186914	0.000172242	0.000419972	0.000235001	0.00019856
5365	0.000202722	0.000184777	0.000432127	0.000255905	0.000197629	0.000202511	0.00018649	0.000457015	0.000255905	0.000199429
5366	0.000219062	0.000199389	0.000470568	0.000279144	0.00019577	0.000219284	0.000201742	0.00049794	0.000279144	0.000197438
5367	0.000231376	0.000210482	0.000498478	0.000296085	0.000205972	0.000231853	0.000213234	0.000527611	0.000296085	0.000206239
5368	0.000237615	0.000216191	0.000511499	0.000303755	0.000198969	0.00023805	0.000218956	0.000541359	0.000303755	0.000198747
5369	0.000241438	0.000219841	0.000517519	0.000307634	0.000193579	0.000241792	0.000222537	0.000547656	0.000307634	0.000192973
5370	0.000240821	0.000219584	0.000512303	0.000302063	0.000190358	0.000240066	0.000221086	0.000541555	0.000302063	0.000189518
5371	0.000238655	0.000218177	0.000500444	0.000290782	0.000159257	0.000235955	0.00021757	0.000527982	0.000290782	0.000160464
5372	0.000228206	0.000209157	0.00047172	0.000272062	0.000127964	0.000224441	0.000207282	0.000496993	0.000272062	0.000131339
5373	0.000211718	0.000194666	0.000429711	0.00024657	0.000108484	0.000207014	0.000191567	0.000452373	0.00024657	0.00011261
5374	0.000187352	0.00017286	0.000372615	0.000214027	9.10247E-05	0.000182454	0.000169251	0.00039217	0.000214027	9.6169E-05
5375	0.000161892	0.00014939	0.000321718	0.000185657	8.81635E-05	0.000157861	0.000146471	0.000338791	0.000185657	9.3101E-05
5376	0.000140886	0.000129896	0.000281384	0.00016457	8.68858E-05	0.000138131	0.000128142	0.000296794	0.00016457	9.17314E-05
5377	0.000122533	0.000112797	0.000246996	0.000146709	8.67298E-05	0.000120982	0.000112163	0.000261059	0.000146709	9.15613E-05
5378	0.000113427	0.000104351	0.000229449	0.000137537	8.78591E-05	0.000112425	0.000104219	0.000242785	0.000137537	9.27578E-05
5379	0.000107339	9.88003E-05	0.0002165	0.000130454	9.28825E-05	0.000106532	9.88106E-05	0.000229179	0.000130454	9.81216E-05
5380	0.000107832	9.92838E-05	0.000217114	0.000131273	0.000101161	0.000107132	9.94055E-05	0.000229872	0.000131273	0.000106969
5381	0.000115198	0.000106072	0.000231862	0.000139931	0.000109973	0.000114388	0.00010614	0.000245405	0.000139931	0.000116394
5382	0.000124318	0.000114483	0.000250045	0.00015005	0.00011377	0.000123189	0.000114294	0.000264469	0.00015005	0.000120327
5383	0.000128958	0.000118452	0.000263256	0.000156414	0.000207837	0.00012783	0.000118368	0.000278131	0.000156414	0.000208303
5384	0.000139062	0.000127156	0.000291271	0.000172132	0.000209448	0.000138377	0.000127717	0.00030771	0.000172132	0.000209929
5385	0.000146536	0.000133997	0.000306825	0.000181238	0.000212254	0.000145779	0.000134552	0.000324123	0.000181238	0.000212944
5386	0.000157342	0.000143888	0.000329333	0.000194547	0.000212481	0.000156524	0.000144476	0.000347895	0.000194547	0.000213198
5387	0.000171325	0.000156579	0.000359829	0.000212511	0.000211838	0.000170519	0.000157321	0.000380172	0.000212511	0.000212517

5388	0.000187364	0.000170946	0.000397248	0.000235001	0.000196813	0.000186914	0.000172242	0.000419972	0.000235001	0.00019856
5389	0.000202722	0.000184777	0.000432127	0.000255905	0.000197629	0.000202511	0.00018649	0.000457015	0.000255905	0.000199429
5390	0.000219062	0.000199389	0.000470568	0.000279144	0.00019577	0.000219284	0.000201742	0.00049794	0.000279144	0.000197438
5391	0.000231376	0.000210482	0.000498478	0.000296085	0.000205972	0.000231853	0.000213234	0.000527611	0.000296085	0.000206239
5392	0.000237615	0.000216191	0.000511499	0.000303755	0.000198969	0.00023805	0.000218956	0.000541359	0.000303755	0.000198747
5393	0.000241438	0.000219841	0.000517519	0.000307634	0.000193579	0.000241792	0.000222537	0.000547656	0.000307634	0.000192973
5394	0.000240821	0.000219584	0.000512303	0.000302063	0.000190358	0.000240066	0.000221086	0.000541555	0.000302063	0.000189518
5395	0.000238655	0.000218177	0.000500444	0.000290782	0.000159257	0.000235955	0.00021757	0.000527982	0.000290782	0.000160464
5396	0.000228206	0.000209157	0.00047172	0.000272062	0.000127964	0.000224441	0.000207282	0.000496993	0.000272062	0.000131339
5397	0.000211718	0.000194666	0.000429711	0.00024657	0.000108484	0.000207014	0.000191567	0.000452373	0.00024657	0.00011261
5398	0.000187352	0.00017286	0.000372615	0.000214027	9.10247E-05	0.000182454	0.000169251	0.00039217	0.000214027	9.6169E-05
5399	0.000161892	0.00014939	0.000321718	0.000185657	8.81635E-05	0.000157861	0.000146471	0.000338791	0.000185657	9.3101E-05
5400	0.000140886	0.000129896	0.000281384	0.00016457	8.68858E-05	0.000138131	0.000128142	0.000296794	0.00016457	9.17314E-05
5401	0.000121924	0.000112252	0.000245565	0.000145872	8.68363E-05	0.000120366	0.000111604	0.00025954	0.000145872	9.16774E-05
5402	0.000112785	0.000103771	0.00022802	0.000136674	8.76668E-05	0.000111774	0.000103622	0.000241267	0.000136674	9.25516E-05
5403	0.000106608	9.81409E-05	0.000214849	0.000129464	9.27125E-05	0.00010579	9.81325E-05	0.000227425	0.000129464	9.79389E-05
5404	0.000107301	9.8805E-05	0.000215916	0.000130555	0.000100999	0.000106594	9.89131E-05	0.000228599	0.000130555	0.000106796
5405	0.000114817	0.000105729	0.000230997	0.000139415	0.000109815	0.000114001	0.000105787	0.000244487	0.000139415	0.000116224
5406	0.000124229	0.000114402	0.00024986	0.000149933	0.000113771	0.000123098	0.00011421	0.000264273	0.000149933	0.000120329
5407	0.000130453	0.00012007	0.000263183	0.000156475	0.000207519	0.000128978	0.000119593	0.000278045	0.000156475	0.000207964
5408	0.000138591	0.00012673	0.000290216	0.000171497	0.000209301	0.000137899	0.00012728	0.000306589	0.000171497	0.00020977
5409	0.000145751	0.000133286	0.000305108	0.000180189	0.000212107	0.000144981	0.000133819	0.000322299	0.000180189	0.000212785
5410	0.000156103	0.000142768	0.000326578	0.000192881	0.000212218	0.000155266	0.000143324	0.00034497	0.000192881	0.000212915
5411	0.000169467	0.000154897	0.000355738	0.000210022	0.000211532	0.000168632	0.000155588	0.000375827	0.000210022	0.000212187
5412	0.000185149	0.000168936	0.000392412	0.000232042	0.000196523	0.000184661	0.000170171	0.000414838	0.000232042	0.000198247
5413	0.000199494	0.000181861	0.000424905	0.000251554	0.000197287	0.000199235	0.00018349	0.000449348	0.000251554	0.00019906
5414	0.000214853	0.000195597	0.000461016	0.000273441	0.000195341	0.000215017	0.000197844	0.000487799	0.000273441	0.000196976
5415	0.000226947	0.000206493	0.000488428	0.000290085	0.000205648	0.000227363	0.000209133	0.00051694	0.000290085	0.00020589
5416	0.000233098	0.000212127	0.000501193	0.000297623	0.00019865	0.000233473	0.000214779	0.000530419	0.000297623	0.000198403
5417	0.000237049	0.000215885	0.000507608	0.000301699	0.000193253	0.000237341	0.000218468	0.000537133	0.000301699	0.000192621
5418	0.000236085	0.00021532	0.000501541	0.000295643	0.000190011	0.000235265	0.000216702	0.00053013	0.000295643	0.000189144
5419	0.000234646	0.00021456	0.000491411	0.000285364	0.000158872	0.000231888	0.000213851	0.000518392	0.000285364	0.000160049
5420	0.000224473	0.000205792	0.000463296	0.000267015	0.000127569	0.000220655	0.000203821	0.00048805	0.000267015	0.000130913
5421	0.000206743	0.000189905	0.000422	0.000241819	0.000108049	0.000202333	0.000187107	0.000444194	0.000241819	0.000112141
5422	0.000184432	0.000170224	0.000366059	0.000210086	9.05309E-05	0.000179491	0.00016654	0.00038521	0.000210086	9.56375E-05
5423	0.000159624	0.000147338	0.000316686	0.000182609	8.77136E-05	0.000155558	0.000144359	0.000333448	0.000182609	9.26168E-05
5424	0.000139587	0.000128718	0.00027854	0.000162833	8.66972E-05	0.00013681	0.000126929	0.000293774	0.000162833	9.15282E-05
5425	0.000121924	0.000112252	0.000245565	0.000145872	8.68363E-05	0.000120366	0.000111604	0.00025954	0.000145872	9.16774E-05
5426	0.000112785	0.000103771	0.00022802	0.000136674	8.76668E-05	0.000111774	0.000103622	0.000241267	0.000136674	9.25516E-05
5427	0.000106608	9.81409E-05	0.000214849	0.000129464	9.27125E-05	0.00010579	9.81325E-05	0.000227425	0.000129464	9.79389E-05
5428	0.000107301	9.8805E-05	0.000215916	0.000130555	0.000100999	0.000106594	9.89131E-05	0.000228599	0.000130555	0.000106796
5429	0.000114817	0.000105729	0.000230997	0.000139415	0.000109815	0.000114001	0.000105787	0.000244487	0.000139415	0.000116224
5430	0.000124229	0.000114402	0.00024986	0.000149933	0.000113771	0.000123098	0.00011421	0.000264273	0.000149933	0.000120329
5431	0.000130453	0.00012007	0.000263183	0.000156475	0.000207519	0.000128978	0.000119593	0.000278045	0.000156475	0.000207964
5432	0.000138591	0.00012673	0.000290216	0.000171497	0.000209301	0.000137899	0.00012728	0.000306589	0.000171497	0.00020977
5433	0.000145751	0.000133286	0.000305108	0.000180189	0.000212107	0.000144981	0.000133819	0.000322299	0.000180189	0.000212785
5434	0.000156103	0.000142768	0.000326578	0.000192881	0.000212218	0.000155266	0.000143324	0.00034497	0.000192881	0.000212915
5435	0.000169467	0.000154897	0.000355738	0.000210022	0.000211532	0.000168632	0.000155588	0.000375827	0.000210022	0.000212187
5436	0.000185149	0.000168936	0.000392412	0.000232042	0.000196523	0.000184661	0.000170171	0.000414838	0.000232042	0.000198247
5437	0.000199494	0.000181861	0.000424905	0.000251554	0.000197287	0.000199235	0.00018349	0.000449348	0.000251554	0.00019906
5438	0.000214853	0.000195597	0.000461016	0.000273441	0.000195341	0.000215017	0.000197844	0.000487799	0.000273441	0.000196976
5439	0.000226947	0.000206493	0.000488428	0.000290085	0.000205648	0.000227363	0.000209133	0.00051694	0.000290085	0.00020589
5440	0.000233098	0.000212127	0.000501193	0.000297623	0.00019865	0.000233473	0.000214779	0.000530419	0.000297623	0.000198403
5441	0.000237049	0.000215885	0.000507608	0.000301699	0.000193253	0.000237341	0.000218468	0.000537133	0.000301699	0.000192621
5442	0.000236085	0.00021532	0.000501541	0.000295643	0.000190011	0.000235265	0.000216702	0.00053013	0.000295643	0.000189144
5443	0.000234646	0.00021456	0.000491411	0.000285364	0.000158872	0.000231888	0.000213851	0.000518392	0.000285364	0.000160049
5444	0.000224473	0.000205792	0.000463296	0.000267015	0.000127569	0.000220655	0.000203821	0.00048805	0.000267015	0.000130913
5445	0.000206743	0.000189905	0.000422	0.000241819	0.000108049	0.000202333	0.000187107	0.000444194	0.000241819	0.000112141
5446	0.000184432	0.000170224	0.000366059	0.000210086	9.05309E-05	0.000179491	0.00016654	0.00038521	0.000210086	9.56375E-05
5447	0.000159624	0.000147338	0.000316686	0.000182609	8.77136E-05	0.000155558	0.000144359	0.000333448	0.000182609	9.26168E-05
5448	0.000139587	0.000128718	0.00027854	0.000162833	8.66972E-05	0.00013681	0.000126929	0.000293774	0.000162833	9.15282E-05
5449	0.000122533	0.000112797	0.000246996	0.000146709	8.67298E-05	0.000120982	0.000112163	0.000261059	0.000146709	9.15613E-05
5450	0.000113427	0.000104351	0.000229449	0.000137537	8.78591E-05	0.000112425	0.000104219	0.000242785	0.000137537	9.27578E-05
5451	0.000107339	9.88003E-05	0.0002165	0.000130454	9.28825E-05	0.000106532	9.88106E-05	0.000229179	0.000130454	9.81216E-05
5452	0.000107832	9.92838E-05	0.000217114	0.000131273	0.000101161	0.000107132	9.94055E-05	0.000229872	0.000131273	0.000106969
5453	0.000115198	0.000106072	0.000231862	0.000139931	0.000109973	0.000114388	0.00010614	0.000245405	0.000139931	0.000116394
5454	0.000124318	0.000114483	0.000250045	0.00015005	0.00011377	0.000123189	0.000114294	0.000264469	0.00015005	0.000120327
5455	0.000128958	0.000118452	0.000263256	0.000156414	0.000207837	0.00012783	0.000118368	0.000278131	0.000156414	0.000208303
5456	0.000139062	0.000127156	0.000291271	0.000172132	0.000209448	0.000138377	0.000127717	0.00030771	0.000172132	0.000209929
5457	0.000146536	0.000133997	0.000306825	0.000181238	0.000212254	0.000145779	0.000134552	0.000324123	0.000181238	0.000212944
5458	0.000157342	0.000143888	0.000329333	0.000194547	0.000212481	0.000156524	0.000144476	0.000347895	0.000194547	0.000213198
5459	0.000171325	0.000156579	0.000359829	0.000212511	0.000211838	0.000170519	0.000157321	0.000380172	0.000212511	0.000212517
5460	0.000187364	0.000170946	0.000397248	0.000235001	0.000196813	0.000186914	0.000172242	0.000419972	0.000235001	0.00019856
5461	0.000202722	0.000184777	0.000432127	0.000255905	0.000197629	0.000202511	0.00018649	0.000457015	0.000255905	0.000199429
5462	0.000219062	0.000199389	0.000470568	0.000279144	0.00019577	0.000219284	0.000201742	0.00049794	0.000279144	0.000197438
5463	0.000231376	0.000210482	0.000498478	0.000296085	0.000205972	0.000231853	0.000213234	0.000527611	0.000296085	0.000206239

5464	0.000237615	0.000216191	0.000511499	0.000303755	0.000198969	0.00023805	0.000218956	0.000541359	0.000303755	0.000198747
5465	0.000241438	0.000219841	0.000517519	0.000307634	0.000193579	0.000241792	0.000222537	0.000547656	0.000307634	0.000192973
5466	0.000240821	0.000219584	0.000512303	0.000302063	0.000190358	0.000240066	0.000221086	0.000541555	0.000302063	0.000189518
5467	0.000238655	0.000218177	0.000500444	0.000290782	0.000159257	0.000235955	0.00021757	0.000527982	0.000290782	0.000160464
5468	0.000228206	0.000209157	0.00047172	0.000272062	0.000127964	0.000224441	0.000207282	0.000496993	0.000272062	0.000131339
5469	0.000211718	0.000194666	0.000429711	0.00024657	0.000108484	0.000207014	0.000191567	0.000452373	0.00024657	0.00011261
5470	0.000187352	0.00017286	0.000372615	0.000214027	9.10247E-05	0.000182454	0.000169251	0.00039217	0.000214027	9.6169E-05
5471	0.000161892	0.00014939	0.000321718	0.000185657	8.81635E-05	0.000157861	0.000146471	0.000338791	0.000185657	9.3101E-05
5472	0.000140886	0.000129896	0.000281384	0.00016457	8.68858E-05	0.000138131	0.000128142	0.000296794	0.00016457	9.17314E-05
5473	0.000122533	0.000112797	0.000246996	0.000146709	8.67298E-05	0.000120982	0.000112163	0.000261059	0.000146709	9.15613E-05
5474	0.000113427	0.000104351	0.000229449	0.000137537	8.78591E-05	0.000112425	0.000104219	0.000242785	0.000137537	9.27578E-05
5475	0.000107339	9.88003E-05	0.0002165	0.000130454	9.28825E-05	0.000106532	9.88106E-05	0.000229179	0.000130454	9.81216E-05
5476	0.000107832	9.92838E-05	0.000217114	0.000131273	0.000101161	0.000107132	9.94055E-05	0.000229872	0.000131273	0.000106969
5477	0.000115198	0.000106072	0.000231862	0.000139931	0.000109973	0.000114388	0.00010614	0.000245405	0.000139931	0.000116394
5478	0.000124318	0.000114483	0.000250045	0.00015005	0.00011377	0.000123189	0.000114294	0.000264469	0.00015005	0.000120327
5479	0.000128958	0.000118452	0.000263256	0.000156414	0.000207837	0.00012783	0.000118368	0.000278131	0.000156414	0.000208303
5480	0.000139062	0.000127156	0.000291271	0.000172132	0.000209448	0.000138377	0.000127717	0.00030771	0.000172132	0.000209929
5481	0.000146536	0.000133997	0.000306825	0.000181238	0.000212254	0.000145779	0.000134552	0.000324123	0.000181238	0.000212944
5482	0.000157342	0.000143888	0.000329333	0.000194547	0.000212481	0.000156524	0.000144476	0.000347895	0.000194547	0.000213198
5483	0.000171325	0.000156579	0.000359829	0.000212511	0.000211838	0.000170519	0.000157321	0.000380172	0.000212511	0.000212517
5484	0.000187364	0.000170946	0.000397248	0.000235001	0.000196813	0.000186914	0.000172242	0.000419972	0.000235001	0.00019856
5485	0.000202722	0.000184777	0.000432127	0.000255905	0.000197629	0.000202511	0.00018649	0.000457015	0.000255905	0.000199429
5486	0.000219062	0.000199389	0.000470568	0.000279144	0.00019577	0.000219284	0.000201742	0.00049794	0.000279144	0.000197438
5487	0.000231376	0.000210482	0.000498478	0.000296085	0.000205972	0.000231853	0.000213234	0.000527611	0.000296085	0.000206239
5488	0.000237615	0.000216191	0.000511499	0.000303755	0.000198969	0.00023805	0.000218956	0.000541359	0.000303755	0.000198747
5489	0.000241438	0.000219841	0.000517519	0.000307634	0.000193579	0.000241792	0.000222537	0.000547656	0.000307634	0.000192973
5490	0.000240821	0.000219584	0.000512303	0.000302063	0.000190358	0.000240066	0.000221086	0.000541555	0.000302063	0.000189518
5491	0.000238655	0.000218177	0.000500444	0.000290782	0.000159257	0.000235955	0.00021757	0.000527982	0.000290782	0.000160464
5492	0.000228206	0.000209157	0.00047172	0.000272062	0.000127964	0.000224441	0.000207282	0.000496993	0.000272062	0.000131339
5493	0.000211718	0.000194666	0.000429711	0.00024657	0.000108484	0.000207014	0.000191567	0.000452373	0.00024657	0.00011261
5494	0.000187352	0.00017286	0.000372615	0.000214027	9.10247E-05	0.000182454	0.000169251	0.00039217	0.000214027	9.6169E-05
5495	0.000161892	0.00014939	0.000321718	0.000185657	8.81635E-05	0.000157861	0.000146471	0.000338791	0.000185657	9.3101E-05
5496	0.000140886	0.000129896	0.000281384	0.00016457	8.68858E-05	0.000138131	0.000128142	0.000296794	0.00016457	9.17314E-05
5497	0.000122533	0.000112797	0.000246996	0.000146709	8.67298E-05	0.000120982	0.000112163	0.000261059	0.000146709	9.15613E-05
5498	0.000113427	0.000104351	0.000229449	0.000137537	8.78591E-05	0.000112425	0.000104219	0.000242785	0.000137537	9.27578E-05
5499	0.000107339	9.88003E-05	0.0002165	0.000130454	9.28825E-05	0.000106532	9.88106E-05	0.000229179	0.000130454	9.81216E-05
5500	0.000107832	9.92838E-05	0.000217114	0.000131273	0.000101161	0.000107132	9.94055E-05	0.000229872	0.000131273	0.000106969
5501	0.000115198	0.000106072	0.000231862	0.000139931	0.000109973	0.000114388	0.00010614	0.000245405	0.000139931	0.000116394
5502	0.000124318	0.000114483	0.000250045	0.00015005	0.00011377	0.000123189	0.000114294	0.000264469	0.00015005	0.000120327
5503	0.000128958	0.000118452	0.000263256	0.000156414	0.000207837	0.00012783	0.000118368	0.000278131	0.000156414	0.000208303
5504	0.000139062	0.000127156	0.000291271	0.000172132	0.000209448	0.000138377	0.000127717	0.00030771	0.000172132	0.000209929
5505	0.000146536	0.000133997	0.000306825	0.000181238	0.000212254	0.000145779	0.000134552	0.000324123	0.000181238	0.000212944
5506	0.000157342	0.000143888	0.000329333	0.000194547	0.000212481	0.000156524	0.000144476	0.000347895	0.000194547	0.000213198
5507	0.000171325	0.000156579	0.000359829	0.000212511	0.000211838	0.000170519	0.000157321	0.000380172	0.000212511	0.000212517
5508	0.000187364	0.000170946	0.000397248	0.000235001	0.000196813	0.000186914	0.000172242	0.000419972	0.000235001	0.00019856
5509	0.000202722	0.000184777	0.000432127	0.000255905	0.000197629	0.000202511	0.00018649	0.000457015	0.000255905	0.000199429
5510	0.000219062	0.000199389	0.000470568	0.000279144	0.00019577	0.000219284	0.000201742	0.00049794	0.000279144	0.000197438
5511	0.000231376	0.000210482	0.000498478	0.000296085	0.000205972	0.000231853	0.000213234	0.000527611	0.000296085	0.000206239
5512	0.000237615	0.000216191	0.000511499	0.000303755	0.000198969	0.00023805	0.000218956	0.000541359	0.000303755	0.000198747
5513	0.000241438	0.000219841	0.000517519	0.000307634	0.000193579	0.000241792	0.000222537	0.000547656	0.000307634	0.000192973
5514	0.000240821	0.000219584	0.000512303	0.000302063	0.000190358	0.000240066	0.000221086	0.000541555	0.000302063	0.000189518
5515	0.000238655	0.000218177	0.000500444	0.000290782	0.000159257	0.000235955	0.00021757	0.000527982	0.000290782	0.000160464
5516	0.000228206	0.000209157	0.00047172	0.000272062	0.000127964	0.000224441	0.000207282	0.000496993	0.000272062	0.000131339
5517	0.000211718	0.000194666	0.000429711	0.00024657	0.000108484	0.000207014	0.000191567	0.000452373	0.00024657	0.00011261
5518	0.000187352	0.00017286	0.000372615	0.000214027	9.10247E-05	0.000182454	0.000169251	0.00039217	0.000214027	9.6169E-05
5519	0.000161892	0.00014939	0.000321718	0.000185657	8.81635E-05	0.000157861	0.000146471	0.000338791	0.000185657	9.3101E-05
5520	0.000140886	0.000129896	0.000281384	0.00016457	8.68858E-05	0.000138131	0.000128142	0.000296794	0.00016457	9.17314E-05
5521	0.000122533	0.000112797	0.000246996	0.000146709	8.67298E-05	0.000120982	0.000112163	0.000261059	0.000146709	9.15613E-05
5522	0.000113427	0.000104351	0.000229449	0.000137537	8.78591E-05	0.000112425	0.000104219	0.000242785	0.000137537	9.27578E-05
5523	0.000107339	9.88003E-05	0.0002165	0.000130454	9.28825E-05	0.000106532	9.88106E-05	0.000229179	0.000130454	9.81216E-05
5524	0.000107832	9.92838E-05	0.000217114	0.000131273	0.000101161	0.000107132	9.94055E-05	0.000229872	0.000131273	0.000106969
5525	0.000115198	0.000106072	0.000231862	0.000139931	0.000109973	0.000114388	0.00010614	0.000245405	0.000139931	0.000116394
5526	0.000124318	0.000114483	0.000250045	0.00015005	0.00011377	0.000123189	0.000114294	0.000264469	0.00015005	0.000120327
5527	0.000128958	0.000118452	0.000263256	0.000156414	0.000207837	0.00012783	0.000118368	0.000278131	0.000156414	0.000208303
5528	0.000139062	0.000127156	0.000291271	0.000172132	0.000209448	0.000138377	0.000127717	0.00030771	0.000172132	0.000209929
5529	0.000146536	0.000133997	0.000306825	0.000181238	0.000212254	0.000145779	0.000134552	0.000324123	0.000181238	0.000212944
5530	0.000157342	0.000143888	0.000329333	0.000194547	0.000212481	0.000156524	0.000144476	0.000347895	0.000194547	0.000213198
5531	0.000171325	0.000156579	0.000359829	0.000212511	0.000211838	0.000170519	0.000157321	0.000380172	0.000212511	0.000212517
5532	0.000187364	0.000170946	0.000397248	0.000235001	0.000196813	0.000186914	0.000172242	0.000419972	0.000235001	0.00019856
5533	0.000202722	0.000184777	0.000432127	0.000255905	0.000197629	0.000202511	0.00018649	0.000457015	0.000255905	0.000199429
5534	0.000219062	0.000199389	0.000470568	0.000279144	0.00019577	0.000219284	0.000201742	0.00049794	0.000279144	0.000197438
5535	0.000231376	0.000210482	0.000498478	0.000296085	0.000205972	0.000231853	0.000213234	0.000527611	0.000296085	0.000206239
5536	0.000237615	0.000216191	0.000511499	0.000303755	0.000198969	0.00023805	0.000218956	0.000541359	0.000303755	0.000198747
5537	0.000241438	0.000219841	0.000517519	0.000307634	0.000193579	0.000241792	0.000222537	0.000547656	0.000307634	0.000192973
5538	0.000240821	0.000219584	0.000512303	0.000302063	0.000190358	0.000240066	0.000221086	0.000541555	0.000302063	0.000189518
5539	0.000238655	0.000218177	0.000500444	0.000290782	0.000159257	0.000235955	0.00021757	0.000527982	0.000290782	0.000160464

5540	0.000228206	0.000209157	0.00047172	0.000272062	0.000127964	0.000224441	0.000207282	0.000496993	0.000272062	0.000131339
5541	0.000211718	0.000194666	0.000429711	0.00024657	0.000108484	0.000207014	0.000191567	0.000452373	0.00024657	0.00011261
5542	0.000187352	0.00017286	0.000372615	0.000214027	9.10247E-05	0.000182454	0.000169251	0.00039217	0.000214027	9.6169E-05
5543	0.000161892	0.00014939	0.000321718	0.000185657	8.81635E-05	0.000157861	0.000146471	0.000338791	0.000185657	9.3101E-05
5544	0.000140886	0.000129896	0.000281384	0.00016457	8.68858E-05	0.000138131	0.000128142	0.000296794	0.00016457	9.17314E-05
5545	0.000122533	0.000112797	0.000246996	0.000146709	8.67298E-05	0.000120982	0.000112163	0.000261059	0.000146709	9.15613E-05
5546	0.000113427	0.000104351	0.000229449	0.000137537	8.78591E-05	0.000112425	0.000104219	0.000242785	0.000137537	9.27578E-05
5547	0.000107339	9.88003E-05	0.0002165	0.000130454	9.28825E-05	0.000106532	9.88106E-05	0.000229179	0.000130454	9.81216E-05
5548	0.000107832	9.92838E-05	0.000217114	0.000131273	0.000101161	0.000107132	9.94055E-05	0.000229872	0.000131273	0.000106969
5549	0.000115198	0.000106072	0.000231862	0.000139931	0.000109973	0.000114388	0.00010614	0.000245405	0.000139931	0.000116394
5550	0.000124318	0.000114483	0.000250045	0.00015005	0.00011377	0.000123189	0.000114294	0.000264469	0.00015005	0.000120327
5551	0.000128958	0.000118452	0.000263256	0.000156414	0.000207837	0.00012783	0.000118368	0.000278131	0.000156414	0.000208303
5552	0.000139062	0.000127156	0.000291271	0.000172132	0.000209448	0.000138377	0.000127717	0.00030771	0.000172132	0.000209929
5553	0.000146536	0.000133997	0.000306825	0.000181238	0.000212254	0.000145779	0.000134552	0.000324123	0.000181238	0.000212944
5554	0.000157342	0.000143888	0.000329333	0.000194547	0.000212481	0.000156524	0.000144476	0.000347895	0.000194547	0.000213198
5555	0.000171325	0.000156579	0.000359829	0.000212511	0.000211838	0.000170519	0.000157321	0.000380172	0.000212511	0.000212517
5556	0.000187364	0.000170946	0.000397248	0.000235001	0.000196813	0.000186914	0.000172242	0.000419972	0.000235001	0.00019856
5557	0.000202722	0.000184777	0.000432127	0.000255905	0.000197629	0.000202511	0.00018649	0.000457015	0.000255905	0.000199429
5558	0.000219062	0.000199389	0.000470568	0.000279144	0.00019577	0.000219284	0.000201742	0.00049794	0.000279144	0.000197438
5559	0.000231376	0.000210482	0.000498478	0.000296085	0.000205972	0.000231853	0.000213234	0.000527611	0.000296085	0.000206239
5560	0.000237615	0.000216191	0.000511499	0.000303755	0.000198969	0.00023805	0.000218956	0.000541359	0.000303755	0.000198747
5561	0.000241438	0.000219841	0.000517519	0.000307634	0.000193579	0.000241792	0.000222537	0.000547656	0.000307634	0.000192973
5562	0.000240821	0.000219584	0.000512303	0.000302063	0.000190358	0.000240066	0.000221086	0.000541555	0.000302063	0.000189518
5563	0.000238655	0.000218177	0.000500444	0.000290782	0.000159257	0.000235955	0.00021757	0.000527982	0.000290782	0.000160464
5564	0.000228206	0.000209157	0.00047172	0.000272062	0.000127964	0.000224441	0.000207282	0.000496993	0.000272062	0.000131339
5565	0.000211718	0.000194666	0.000429711	0.00024657	0.000108484	0.000207014	0.000191567	0.000452373	0.00024657	0.00011261
5566	0.000187352	0.00017286	0.000372615	0.000214027	9.10247E-05	0.000182454	0.000169251	0.00039217	0.000214027	9.6169E-05
5567	0.000161892	0.00014939	0.000321718	0.000185657	8.81635E-05	0.000157861	0.000146471	0.000338791	0.000185657	9.3101E-05
5568	0.000140886	0.000129896	0.000281384	0.00016457	8.68858E-05	0.000138131	0.000128142	0.000296794	0.00016457	9.17314E-05
5569	0.000121924	0.000112252	0.000245565	0.000145872	8.68363E-05	0.000120366	0.000111604	0.00025954	0.000145872	9.16774E-05
5570	0.000112785	0.000103771	0.00022802	0.000136674	8.76668E-05	0.000111774	0.000103622	0.000241267	0.000136674	9.25516E-05
5571	0.000106608	9.81409E-05	0.000214849	0.000129464	9.27125E-05	0.00010579	9.81325E-05	0.000227425	0.000129464	9.79389E-05
5572	0.000107301	9.8805E-05	0.000215916	0.000130555	0.000100999	0.000106594	9.89131E-05	0.000228599	0.000130555	0.000106796
5573	0.000114817	0.000105729	0.000230997	0.000139415	0.000109815	0.000114001	0.000105787	0.000244487	0.000139415	0.000116224
5574	0.000124229	0.000114402	0.00024986	0.000149933	0.000113771	0.000123098	0.00011421	0.000264273	0.000149933	0.000120329
5575	0.000130453	0.00012007	0.000263183	0.000156475	0.000207519	0.000128978	0.000119593	0.000278045	0.000156475	0.000207964
5576	0.000138591	0.00012673	0.000290216	0.000171497	0.000209301	0.000137899	0.00012728	0.000306589	0.000171497	0.00020977
5577	0.000145751	0.000133286	0.000305108	0.000180189	0.000212107	0.000144981	0.000133819	0.000322299	0.000180189	0.000212785
5578	0.000156103	0.000142768	0.000326578	0.000192881	0.000212218	0.000155266	0.000143324	0.00034497	0.000192881	0.000212915
5579	0.000169467	0.000154897	0.000355738	0.000210022	0.000211532	0.000168632	0.000155588	0.000375827	0.000210022	0.000212187
5580	0.000185149	0.000168936	0.000392412	0.000232042	0.000196523	0.000184661	0.000170171	0.000414838	0.000232042	0.000198247
5581	0.000199494	0.000181861	0.000424905	0.000251554	0.000197287	0.000199235	0.00018349	0.000449348	0.000251554	0.00019906
5582	0.000214853	0.000195597	0.000461016	0.000273441	0.000195341	0.000215017	0.000197844	0.000487799	0.000273441	0.000196976
5583	0.000226947	0.000206493	0.000488428	0.000290085	0.000205648	0.000227363	0.000209133	0.00051694	0.000290085	0.00020589
5584	0.000233098	0.000212127	0.000501193	0.000297623	0.00019865	0.000233473	0.000214779	0.000530419	0.000297623	0.000198403
5585	0.000237049	0.000215885	0.000507608	0.000301699	0.000193253	0.000237341	0.000218468	0.000537133	0.000301699	0.000192621
5586	0.000236085	0.00021532	0.000501541	0.000295643	0.000190011	0.000235265	0.000216702	0.00053013	0.000295643	0.000189144
5587	0.000234646	0.00021456	0.000491411	0.000285364	0.000158872	0.000231888	0.000213851	0.000518392	0.000285364	0.000160049
5588	0.000224473	0.000205792	0.000463296	0.000267015	0.000127569	0.000220655	0.000203821	0.00048805	0.000267015	0.000130913
5589	0.000206743	0.000189905	0.000422	0.000241819	0.000108049	0.000202333	0.000187107	0.000444194	0.000241819	0.000112141
5590	0.000184432	0.000170224	0.000366059	0.000210086	9.05309E-05	0.000179491	0.00016654	0.00038521	0.000210086	9.56375E-05
5591	0.000159624	0.000147338	0.000316686	0.000182609	8.77136E-05	0.000155558	0.000144359	0.000333448	0.000182609	9.26168E-05
5592	0.000139587	0.000128718	0.00027854	0.000162833	8.66972E-05	0.00013681	0.000126929	0.000293774	0.000162833	9.15282E-05
5593	0.000121924	0.000112252	0.000245565	0.000145872	8.68363E-05	0.000120366	0.000111604	0.00025954	0.000145872	9.16774E-05
5594	0.000112785	0.000103771	0.00022802	0.000136674	8.76668E-05	0.000111774	0.000103622	0.000241267	0.000136674	9.25516E-05
5595	0.000106608	9.81409E-05	0.000214849	0.000129464	9.27125E-05	0.00010579	9.81325E-05	0.000227425	0.000129464	9.79389E-05
5596	0.000107301	9.8805E-05	0.000215916	0.000130555	0.000100999	0.000106594	9.89131E-05	0.000228599	0.000130555	0.000106796
5597	0.000114817	0.000105729	0.000230997	0.000139415	0.000109815	0.000114001	0.000105787	0.000244487	0.000139415	0.000116224
5598	0.000124229	0.000114402	0.00024986	0.000149933	0.000113771	0.000123098	0.00011421	0.000264273	0.000149933	0.000120329
5599	0.000130453	0.00012007	0.000263183	0.000156475	0.000207519	0.000128978	0.000119593	0.000278045	0.000156475	0.000207964
5600	0.000138591	0.00012673	0.000290216	0.000171497	0.000209301	0.000137899	0.00012728	0.000306589	0.000171497	0.00020977
5601	0.000145751	0.000133286	0.000305108	0.000180189	0.000212107	0.000144981	0.000133819	0.000322299	0.000180189	0.000212785
5602	0.000156103	0.000142768	0.000326578	0.000192881	0.000212218	0.000155266	0.000143324	0.00034497	0.000192881	0.000212915
5603	0.000169467	0.000154897	0.000355738	0.000210022	0.000211532	0.000168632	0.000155588	0.000375827	0.000210022	0.000212187
5604	0.000185149	0.000168936	0.000392412	0.000232042	0.000196523	0.000184661	0.000170171	0.000414838	0.000232042	0.000198247
5605	0.000199494	0.000181861	0.000424905	0.000251554	0.000197287	0.000199235	0.00018349	0.000449348	0.000251554	0.00019906
5606	0.000214853	0.000195597	0.000461016	0.000273441	0.000195341	0.000215017	0.000197844	0.000487799	0.000273441	0.000196976
5607	0.000226947	0.000206493	0.000488428	0.000290085	0.000205648	0.000227363	0.000209133	0.00051694	0.000290085	0.00020589
5608	0.000233098	0.000212127	0.000501193	0.000297623	0.00019865	0.000233473	0.000214779	0.000530419	0.000297623	0.000198403
5609	0.000237049	0.000215885	0.000507608	0.000301699	0.000193253	0.000237341	0.000218468	0.000537133	0.000301699	0.000192621
5610	0.000236085	0.00021532	0.000501541	0.000295643	0.000190011	0.000235265	0.000216702	0.00053013	0.000295643	0.000189144
5611	0.000234646	0.00021456	0.000491411	0.000285364	0.000158872	0.000231888	0.000213851	0.000518392	0.000285364	0.000160049
5612	0.000224473	0.000205792	0.000463296	0.000267015	0.000127569	0.000220655	0.000203821	0.00048805	0.000267015	0.000130913
5613	0.000206743	0.000189905	0.000422	0.000241819	0.000108049	0.000202333	0.000187107	0.000444194	0.000241819	0.000112141
5614	0.000184432	0.000170224	0.000366059	0.000210086	9.05309E-05	0.000179491	0.00016654	0.00038521	0.000210086	9.56375E-05
5615	0.000159624	0.000147338	0.000316686	0.000182609	8.77136E-05	0.000155558	0.000144359	0.000333448	0.000182609	9.26168E-05

5616	0.000139587	0.000128718	0.00027854	0.000162833	8.66972E-05	0.00013681	0.000126929	0.000293774	0.000162833	9.15282E-05
5617	0.000122533	0.000112797	0.000246996	0.000146709	8.67298E-05	0.000120982	0.000112163	0.000261059	0.000146709	9.15613E-05
5618	0.000113427	0.000104351	0.000229449	0.000137537	8.78591E-05	0.000112425	0.000104219	0.000242785	0.000137537	9.27578E-05
5619	0.000107339	9.88003E-05	0.0002165	0.000130454	9.28825E-05	0.000106532	9.88106E-05	0.000229179	0.000130454	9.81216E-05
5620	0.000107832	9.92838E-05	0.000217114	0.000131273	0.000101161	0.000107132	9.94055E-05	0.000229872	0.000131273	0.000106969
5621	0.000115198	0.000106072	0.000231862	0.000139931	0.000109973	0.000114388	0.00010614	0.000245405	0.000139931	0.000116394
5622	0.000124318	0.000114483	0.000250045	0.00015005	0.00011377	0.000123189	0.000114294	0.000264469	0.00015005	0.000120327
5623	0.000128958	0.000118452	0.000263256	0.000156414	0.000207837	0.00012783	0.000118368	0.000278131	0.000156414	0.000208303
5624	0.000139062	0.000127156	0.000291271	0.000172132	0.000209448	0.000138377	0.000127717	0.00030771	0.000172132	0.000209929
5625	0.000146536	0.000133997	0.000306825	0.000181238	0.000212254	0.000145779	0.000134552	0.000324123	0.000181238	0.000212944
5626	0.000157342	0.000143888	0.000329333	0.000194547	0.000212481	0.000156524	0.000144476	0.000347895	0.000194547	0.000213198
5627	0.000171325	0.000156579	0.000359829	0.000212511	0.000211838	0.000170519	0.000157321	0.000380172	0.000212511	0.000212517
5628	0.000187364	0.000170946	0.000397248	0.000235001	0.000196813	0.000186914	0.000172242	0.000419972	0.000235001	0.00019856
5629	0.000202722	0.000184777	0.000432127	0.000255905	0.000197629	0.000202511	0.00018649	0.000457015	0.000255905	0.000199429
5630	0.000219062	0.000199389	0.000470568	0.000279144	0.00019577	0.000219284	0.000201742	0.00049794	0.000279144	0.000197438
5631	0.000231376	0.000210482	0.000498478	0.000296085	0.000205972	0.000231853	0.000213234	0.000527611	0.000296085	0.000206239
5632	0.000237615	0.000216191	0.000511499	0.000303755	0.000198969	0.00023805	0.000218956	0.000541359	0.000303755	0.000198747
5633	0.000241438	0.000219841	0.000517519	0.000307634	0.000193579	0.000241792	0.000222537	0.000547656	0.000307634	0.000192973
5634	0.000240821	0.000219584	0.000512303	0.000302063	0.000190358	0.000240066	0.000221086	0.000541555	0.000302063	0.000189518
5635	0.000238655	0.000218177	0.000500444	0.000290782	0.000159257	0.000235955	0.00021757	0.000527982	0.000290782	0.000160464
5636	0.000228206	0.000209157	0.00047172	0.000272062	0.000127964	0.000224441	0.000207282	0.000496993	0.000272062	0.000131339
5637	0.000211718	0.000194666	0.000429711	0.00024657	0.000108484	0.000207014	0.000191567	0.000452373	0.00024657	0.00011261
5638	0.000187352	0.00017286	0.000372615	0.000214027	9.10247E-05	0.000182454	0.000169251	0.00039217	0.000214027	9.6169E-05
5639	0.000161892	0.00014939	0.000321718	0.000185657	8.81635E-05	0.000157861	0.000146471	0.000338791	0.000185657	9.3101E-05
5640	0.000140886	0.000129896	0.000281384	0.00016457	8.68858E-05	0.000138131	0.000128142	0.000296794	0.00016457	9.17314E-05
5641	0.000122533	0.000112797	0.000246996	0.000146709	8.67298E-05	0.000120982	0.000112163	0.000261059	0.000146709	9.15613E-05
5642	0.000113427	0.000104351	0.000229449	0.000137537	8.78591E-05	0.000112425	0.000104219	0.000242785	0.000137537	9.27578E-05
5643	0.000107339	9.88003E-05	0.0002165	0.000130454	9.28825E-05	0.000106532	9.88106E-05	0.000229179	0.000130454	9.81216E-05
5644	0.000107832	9.92838E-05	0.000217114	0.000131273	0.000101161	0.000107132	9.94055E-05	0.000229872	0.000131273	0.000106969
5645	0.000115198	0.000106072	0.000231862	0.000139931	0.000109973	0.000114388	0.00010614	0.000245405	0.000139931	0.000116394
5646	0.000124318	0.000114483	0.000250045	0.00015005	0.00011377	0.000123189	0.000114294	0.000264469	0.00015005	0.000120327
5647	0.000128958	0.000118452	0.000263256	0.000156414	0.000207837	0.00012783	0.000118368	0.000278131	0.000156414	0.000208303
5648	0.000139062	0.000127156	0.000291271	0.000172132	0.000209448	0.000138377	0.000127717	0.00030771	0.000172132	0.000209929
5649	0.000146536	0.000133997	0.000306825	0.000181238	0.000212254	0.000145779	0.000134552	0.000324123	0.000181238	0.000212944
5650	0.000157342	0.000143888	0.000329333	0.000194547	0.000212481	0.000156524	0.000144476	0.000347895	0.000194547	0.000213198
5651	0.000171325	0.000156579	0.000359829	0.000212511	0.000211838	0.000170519	0.000157321	0.000380172	0.000212511	0.000212517
5652	0.000187364	0.000170946	0.000397248	0.000235001	0.000196813	0.000186914	0.000172242	0.000419972	0.000235001	0.00019856
5653	0.000202722	0.000184777	0.000432127	0.000255905	0.000197629	0.000202511	0.00018649	0.000457015	0.000255905	0.000199429
5654	0.000219062	0.000199389	0.000470568	0.000279144	0.00019577	0.000219284	0.000201742	0.00049794	0.000279144	0.000197438
5655	0.000231376	0.000210482	0.000498478	0.000296085	0.000205972	0.000231853	0.000213234	0.000527611	0.000296085	0.000206239
5656	0.000237615	0.000216191	0.000511499	0.000303755	0.000198969	0.00023805	0.000218956	0.000541359	0.000303755	0.000198747
5657	0.000241438	0.000219841	0.000517519	0.000307634	0.000193579	0.000241792	0.000222537	0.000547656	0.000307634	0.000192973
5658	0.000240821	0.000219584	0.000512303	0.000302063	0.000190358	0.000240066	0.000221086	0.000541555	0.000302063	0.000189518
5659	0.000238655	0.000218177	0.000500444	0.000290782	0.000159257	0.000235955	0.00021757	0.000527982	0.000290782	0.000160464
5660	0.000228206	0.000209157	0.00047172	0.000272062	0.000127964	0.000224441	0.000207282	0.000496993	0.000272062	0.000131339
5661	0.000211718	0.000194666	0.000429711	0.00024657	0.000108484	0.000207014	0.000191567	0.000452373	0.00024657	0.00011261
5662	0.000187352	0.00017286	0.000372615	0.000214027	9.10247E-05	0.000182454	0.000169251	0.00039217	0.000214027	9.6169E-05
5663	0.000161892	0.00014939	0.000321718	0.000185657	8.81635E-05	0.000157861	0.000146471	0.000338791	0.000185657	9.3101E-05
5664	0.000140886	0.000129896	0.000281384	0.00016457	8.68858E-05	0.000138131	0.000128142	0.000296794	0.00016457	9.17314E-05
5665	0.000122533	0.000112797	0.000246996	0.000146709	8.67298E-05	0.000120982	0.000112163	0.000261059	0.000146709	9.15613E-05
5666	0.000113427	0.000104351	0.000229449	0.000137537	8.78591E-05	0.000112425	0.000104219	0.000242785	0.000137537	9.27578E-05
5667	0.000107339	9.88003E-05	0.0002165	0.000130454	9.28825E-05	0.000106532	9.88106E-05	0.000229179	0.000130454	9.81216E-05
5668	0.000107832	9.92838E-05	0.000217114	0.000131273	0.000101161	0.000107132	9.94055E-05	0.000229872	0.000131273	0.000106969
5669	0.000115198	0.000106072	0.000231862	0.000139931	0.000109973	0.000114388	0.00010614	0.000245405	0.000139931	0.000116394
5670	0.000124318	0.000114483	0.000250045	0.00015005	0.00011377	0.000123189	0.000114294	0.000264469	0.00015005	0.000120327
5671	0.000128958	0.000118452	0.000263256	0.000156414	0.000207837	0.00012783	0.000118368	0.000278131	0.000156414	0.000208303
5672	0.000139062	0.000127156	0.000291271	0.000172132	0.000209448	0.000138377	0.000127717	0.00030771	0.000172132	0.000209929
5673	0.000146536	0.000133997	0.000306825	0.000181238	0.000212254	0.000145779	0.000134552	0.000324123	0.000181238	0.000212944
5674	0.000157342	0.000143888	0.000329333	0.000194547	0.000212481	0.000156524	0.000144476	0.000347895	0.000194547	0.000213198
5675	0.000171325	0.000156579	0.000359829	0.000212511	0.000211838	0.000170519	0.000157321	0.000380172	0.000212511	0.000212517
5676	0.000187364	0.000170946	0.000397248	0.000235001	0.000196813	0.000186914	0.000172242	0.000419972	0.000235001	0.00019856
5677	0.000202722	0.000184777	0.000432127	0.000255905	0.000197629	0.000202511	0.00018649	0.000457015	0.000255905	0.000199429
5678	0.000219062	0.000199389	0.000470568	0.000279144	0.00019577	0.000219284	0.000201742	0.00049794	0.000279144	0.000197438
5679	0.000231376	0.000210482	0.000498478	0.000296085	0.000205972	0.000231853	0.000213234	0.000527611	0.000296085	0.000206239
5680	0.000237615	0.000216191	0.000511499	0.000303755	0.000198969	0.00023805	0.000218956	0.000541359	0.000303755	0.000198747
5681	0.000241438	0.000219841	0.000517519	0.000307634	0.000193579	0.000241792	0.000222537	0.000547656	0.000307634	0.000192973
5682	0.000240821	0.000219584	0.000512303	0.000302063	0.000190358	0.000240066	0.000221086	0.000541555	0.000302063	0.000189518
5683	0.000238655	0.000218177	0.000500444	0.000290782	0.000159257	0.000235955	0.00021757	0.000527982	0.000290782	0.000160464
5684	0.000228206	0.000209157	0.00047172	0.000272062	0.000127964	0.000224441	0.000207282	0.000496993	0.000272062	0.000131339
5685	0.000211718	0.000194666	0.000429711	0.00024657	0.000108484	0.000207014	0.000191567	0.000452373	0.00024657	0.00011261
5686	0.000187352	0.00017286	0.000372615	0.000214027	9.10247E-05	0.000182454	0.000169251	0.00039217	0.000214027	9.6169E-05
5687	0.000161892	0.00014939	0.000321718	0.000185657	8.81635E-05	0.000157861	0.000146471	0.000338791	0.000185657	9.3101E-05
5688	0.000140886	0.000129896	0.000281384	0.00016457	8.68858E-05	0.000138131	0.000128142	0.000296794	0.00016457	9.17314E-05
5689	0.000122533	0.000112797	0.000246996	0.000146709	8.67298E-05	0.000120982	0.000112163	0.000261059	0.000146709	9.15613E-05
5690	0.000113427	0.000104351	0.000229449	0.000137537	8.78591E-05	0.000112425	0.000104219	0.000242785	0.000137537	9.27578E-05
5691	0.000107339	9.88003E-05	0.0002165	0.000130454	9.28825E-05	0.000106532	9.88106E-05	0.000229179	0.000130454	9.81216E-05

5692	0.000107832	9.92838E-05	0.000217114	0.000131273	0.000101161	0.000107132	9.94055E-05	0.000229872	0.000131273	0.000106969
5693	0.000115198	0.000106072	0.000231862	0.000139931	0.000109973	0.000114388	0.00010614	0.000245405	0.000139931	0.000116394
5694	0.000124318	0.000114483	0.000250045	0.00015005	0.00011377	0.000123189	0.000114294	0.000264469	0.00015005	0.000120327
5695	0.000128958	0.000118452	0.000263256	0.000156414	0.000207837	0.00012783	0.000118368	0.000278131	0.000156414	0.000208303
5696	0.000139062	0.000127156	0.000291271	0.000172132	0.000209448	0.000138377	0.000127717	0.00030771	0.000172132	0.000209929
5697	0.000146536	0.000133997	0.000306825	0.000181238	0.000212254	0.000145779	0.000134552	0.000324123	0.000181238	0.000212944
5698	0.000157342	0.000143888	0.000329333	0.000194547	0.000212481	0.000156524	0.000144476	0.000347895	0.000194547	0.000213198
5699	0.000171325	0.000156579	0.000359829	0.000212511	0.000211838	0.000170519	0.000157321	0.000380172	0.000212511	0.000212517
5700	0.000187364	0.000170946	0.000397248	0.000235001	0.000196813	0.000186914	0.000172242	0.000419972	0.000235001	0.00019856
5701	0.000202722	0.000184777	0.000432127	0.000255905	0.000197629	0.000202511	0.00018649	0.000457015	0.000255905	0.000199429
5702	0.000219062	0.000199389	0.000470568	0.000279144	0.00019577	0.000219284	0.000201742	0.00049794	0.000279144	0.000197438
5703	0.000231376	0.000210482	0.000498478	0.000296085	0.000205972	0.000231853	0.000213234	0.000527611	0.000296085	0.000206239
5704	0.000237615	0.000216191	0.000511499	0.000303755	0.000198969	0.00023805	0.000218956	0.000541359	0.000303755	0.000198747
5705	0.000241438	0.000219841	0.000517519	0.000307634	0.000193579	0.000241792	0.000222537	0.000547656	0.000307634	0.000192973
5706	0.000240821	0.000219584	0.000512303	0.000302063	0.000190358	0.000240066	0.000221086	0.000541555	0.000302063	0.000189518
5707	0.000238655	0.000218177	0.000500444	0.000290782	0.000159257	0.000235955	0.00021757	0.000527982	0.000290782	0.000160464
5708	0.000228206	0.000209157	0.00047172	0.000272062	0.000127964	0.000224441	0.000207282	0.000496993	0.000272062	0.000131339
5709	0.000211718	0.000194666	0.000429711	0.00024657	0.000108484	0.000207014	0.000191567	0.000452373	0.00024657	0.00011261
5710	0.000187352	0.00017286	0.000372615	0.000214027	9.10247E-05	0.000182454	0.000169251	0.00039217	0.000214027	9.6169E-05
5711	0.000161892	0.00014939	0.000321718	0.000185657	8.81635E-05	0.000157861	0.000146471	0.000338791	0.000185657	9.3101E-05
5712	0.000140886	0.000129896	0.000281384	0.00016457	8.68858E-05	0.000138131	0.000128142	0.000296794	0.00016457	9.17314E-05
5713	0.000122533	0.000112797	0.000246996	0.000146709	8.67298E-05	0.000120982	0.000112163	0.000261059	0.000146709	9.15613E-05
5714	0.000113427	0.000104351	0.000229449	0.000137537	8.78591E-05	0.000112425	0.000104219	0.000242785	0.000137537	9.27578E-05
5715	0.000107339	9.88003E-05	0.0002165	0.000130454	9.28825E-05	0.000106532	9.88106E-05	0.000229179	0.000130454	9.81216E-05
5716	0.000107832	9.92838E-05	0.000217114	0.000131273	0.000101161	0.000107132	9.94055E-05	0.000229872	0.000131273	0.000106969
5717	0.000115198	0.000106072	0.000231862	0.000139931	0.000109973	0.000114388	0.00010614	0.000245405	0.000139931	0.000116394
5718	0.000124318	0.000114483	0.000250045	0.00015005	0.00011377	0.000123189	0.000114294	0.000264469	0.00015005	0.000120327
5719	0.000128958	0.000118452	0.000263256	0.000156414	0.000207837	0.00012783	0.000118368	0.000278131	0.000156414	0.000208303
5720	0.000139062	0.000127156	0.000291271	0.000172132	0.000209448	0.000138377	0.000127717	0.00030771	0.000172132	0.000209929
5721	0.000146536	0.000133997	0.000306825	0.000181238	0.000212254	0.000145779	0.000134552	0.000324123	0.000181238	0.000212944
5722	0.000157342	0.000143888	0.000329333	0.000194547	0.000212481	0.000156524	0.000144476	0.000347895	0.000194547	0.000213198
5723	0.000171325	0.000156579	0.000359829	0.000212511	0.000211838	0.000170519	0.000157321	0.000380172	0.000212511	0.000212517
5724	0.000187364	0.000170946	0.000397248	0.000235001	0.000196813	0.000186914	0.000172242	0.000419972	0.000235001	0.00019856
5725	0.000202722	0.000184777	0.000432127	0.000255905	0.000197629	0.000202511	0.00018649	0.000457015	0.000255905	0.000199429
5726	0.000219062	0.000199389	0.000470568	0.000279144	0.00019577	0.000219284	0.000201742	0.00049794	0.000279144	0.000197438
5727	0.000231376	0.000210482	0.000498478	0.000296085	0.000205972	0.000231853	0.000213234	0.000527611	0.000296085	0.000206239
5728	0.000237615	0.000216191	0.000511499	0.000303755	0.000198969	0.00023805	0.000218956	0.000541359	0.000303755	0.000198747
5729	0.000241438	0.000219841	0.000517519	0.000307634	0.000193579	0.000241792	0.000222537	0.000547656	0.000307634	0.000192973
5730	0.000240821	0.000219584	0.000512303	0.000302063	0.000190358	0.000240066	0.000221086	0.000541555	0.000302063	0.000189518
5731	0.000238655	0.000218177	0.000500444	0.000290782	0.000159257	0.000235955	0.00021757	0.000527982	0.000290782	0.000160464
5732	0.000228206	0.000209157	0.00047172	0.000272062	0.000127964	0.000224441	0.000207282	0.000496993	0.000272062	0.000131339
5733	0.000211718	0.000194666	0.000429711	0.00024657	0.000108484	0.000207014	0.000191567	0.000452373	0.00024657	0.00011261
5734	0.000187352	0.00017286	0.000372615	0.000214027	9.10247E-05	0.000182454	0.000169251	0.00039217	0.000214027	9.6169E-05
5735	0.000161892	0.00014939	0.000321718	0.000185657	8.81635E-05	0.000157861	0.000146471	0.000338791	0.000185657	9.3101E-05
5736	0.000140886	0.000129896	0.000281384	0.00016457	8.68858E-05	0.000138131	0.000128142	0.000296794	0.00016457	9.17314E-05
5737	0.000121924	0.000112252	0.000245565	0.000145872	8.68363E-05	0.000120366	0.000111604	0.00025954	0.000145872	9.16774E-05
5738	0.000112785	0.000103771	0.00022802	0.000136674	8.76668E-05	0.000111774	0.000103622	0.000241267	0.000136674	9.25516E-05
5739	0.000106608	9.81409E-05	0.000214849	0.000129464	9.27125E-05	0.00010579	9.81325E-05	0.000227425	0.000129464	9.79389E-05
5740	0.000107301	9.8805E-05	0.000215916	0.000130555	0.000100999	0.000106594	9.89131E-05	0.000228599	0.000130555	0.000106796
5741	0.000114817	0.000105729	0.000230997	0.000139415	0.000109815	0.000114001	0.000105787	0.000244487	0.000139415	0.000116224
5742	0.000124229	0.000114402	0.00024986	0.000149933	0.000113771	0.000123098	0.00011421	0.000264273	0.000149933	0.000120329
5743	0.000130453	0.00012007	0.000263183	0.000156475	0.000207519	0.000128978	0.000119593	0.000278045	0.000156475	0.000207964
5744	0.000138591	0.00012673	0.000290216	0.000171497	0.000209301	0.000137899	0.00012728	0.000306589	0.000171497	0.00020977
5745	0.000145751	0.000133286	0.000305108	0.000180189	0.000212107	0.000144981	0.000133819	0.000322299	0.000180189	0.000212785
5746	0.000156103	0.000142768	0.000326578	0.000192881	0.000212218	0.000155266	0.000143324	0.00034497	0.000192881	0.000212915
5747	0.000169467	0.000154897	0.000355738	0.000210022	0.000211532	0.000168632	0.000155588	0.000375827	0.000210022	0.000212187
5748	0.000185149	0.000168936	0.000392412	0.000232042	0.000196523	0.000184661	0.000170171	0.000414838	0.000232042	0.000198247
5749	0.000199494	0.000181861	0.000424905	0.000251554	0.000197287	0.000199235	0.00018349	0.000449348	0.000251554	0.00019906
5750	0.000214853	0.000195597	0.000461016	0.000273441	0.000195341	0.000215017	0.000197844	0.000487799	0.000273441	0.000196976
5751	0.000226947	0.000206493	0.000488428	0.000290085	0.000205648	0.000227363	0.000209133	0.00051694	0.000290085	0.00020589
5752	0.000233098	0.000212127	0.000501193	0.000297623	0.00019865	0.000233473	0.000214779	0.000530419	0.000297623	0.000198403
5753	0.000237049	0.000215885	0.000507608	0.000301699	0.000193253	0.000237341	0.000218468	0.000537133	0.000301699	0.000192621
5754	0.000236085	0.00021532	0.000501541	0.000295643	0.000190011	0.000235265	0.000216702	0.00053013	0.000295643	0.000189144
5755	0.000234646	0.00021456	0.000491411	0.000285364	0.000158872	0.000231888	0.000213851	0.000518392	0.000285364	0.000160049
5756	0.000224473	0.000205792	0.000463296	0.000267015	0.000127569	0.000220655	0.000203821	0.00048805	0.000267015	0.000130913
5757	0.000206743	0.000189905	0.000422	0.000241819	0.000108049	0.000202333	0.000187107	0.000444194	0.000241819	0.000112141
5758	0.000184432	0.000170224	0.000366059	0.000210086	9.05309E-05	0.000179491	0.00016654	0.00038521	0.000210086	9.56375E-05
5759	0.000159624	0.000147338	0.000316686	0.000182609	8.77136E-05	0.000155558	0.000144359	0.000333448	0.000182609	9.26168E-05
5760	0.000139587	0.000128718	0.00027854	0.000162833	8.66972E-05	0.00013681	0.000126929	0.000293774	0.000162833	9.15282E-05
5761	0.000121924	0.000112252	0.000245565	0.000145872	8.68363E-05	0.000120366	0.000111604	0.00025954	0.000145872	9.16774E-05
5762	0.000112785	0.000103771	0.00022802	0.000136674	8.76668E-05	0.000111774	0.000103622	0.000241267	0.000136674	9.25516E-05
5763	0.000106608	9.81409E-05	0.000214849	0.000129464	9.27125E-05	0.00010579	9.81325E-05	0.000227425	0.000129464	9.79389E-05
5764	0.000107301	9.8805E-05	0.000215916	0.000130555	0.000100999	0.000106594	9.89131E-05	0.000228599	0.000130555	0.000106796
5765	0.000114817	0.000105729	0.000230997	0.000139415	0.000109815	0.000114001	0.000105787	0.000244487	0.000139415	0.000116224
5766	0.000124229	0.000114402	0.00024986	0.000149933	0.000113771	0.000123098	0.00011421	0.000264273	0.000149933	0.000120329
5767	0.000130453	0.00012007	0.000263183	0.000156475	0.000207519	0.000128978	0.000119593	0.000278045	0.000156475	0.000207964

5768	0.000138591	0.00012673	0.000290216	0.000171497	0.000209301	0.000137899	0.00012728	0.000306589	0.000171497	0.00020977
5769	0.000145751	0.000133286	0.000305108	0.000180189	0.000212107	0.000144981	0.000133819	0.000322299	0.000180189	0.000212785
5770	0.000156103	0.000142768	0.000326578	0.000192881	0.000212218	0.000155266	0.000143324	0.00034497	0.000192881	0.000212915
5771	0.000169467	0.000154897	0.000355738	0.000210022	0.000211532	0.000168632	0.000155588	0.000375827	0.000210022	0.000212187
5772	0.000185149	0.000168936	0.000392412	0.000232042	0.000196523	0.000184661	0.000170171	0.000414838	0.000232042	0.000198247
5773	0.000199494	0.000181861	0.000424905	0.000251554	0.000197287	0.000199235	0.00018349	0.000449348	0.000251554	0.00019906
5774	0.000214853	0.000195597	0.000461016	0.000273441	0.000195341	0.000215017	0.000197844	0.000487799	0.000273441	0.000196976
5775	0.000226947	0.000206493	0.000488428	0.000290085	0.000205648	0.000227363	0.000209133	0.00051694	0.000290085	0.00020589
5776	0.000233098	0.000212127	0.000501193	0.000297623	0.00019865	0.000233473	0.000214779	0.000530419	0.000297623	0.000198403
5777	0.000237049	0.000215885	0.000507608	0.000301699	0.000193253	0.000237341	0.000218468	0.000537133	0.000301699	0.000192621
5778	0.000236085	0.00021532	0.000501541	0.000295643	0.000190011	0.000235265	0.000216702	0.00053013	0.000295643	0.000189144
5779	0.000234646	0.00021456	0.000491411	0.000285364	0.000158872	0.000231888	0.000213851	0.000518392	0.000285364	0.000160049
5780	0.000224473	0.000205792	0.000463296	0.000267015	0.000127569	0.000220655	0.000203821	0.00048805	0.000267015	0.000130913
5781	0.000206743	0.000189905	0.000422	0.000241819	0.000108049	0.000202333	0.000187107	0.000444194	0.000241819	0.000112141
5782	0.000184432	0.000170224	0.000366059	0.000210086	9.05309E-05	0.000179491	0.00016654	0.00038521	0.000210086	9.56375E-05
5783	0.000159624	0.000147338	0.000316686	0.000182609	8.77136E-05	0.000155558	0.000144359	0.000333448	0.000182609	9.26168E-05
5784	0.000139587	0.000128718	0.00027854	0.000162833	8.66972E-05	0.00013681	0.000126929	0.000293774	0.000162833	9.15282E-05
5785	0.000122533	0.000112797	0.000246996	0.000146709	8.67298E-05	0.000120982	0.000112163	0.000261059	0.000146709	9.15613E-05
5786	0.000113427	0.000104351	0.000229449	0.000137537	8.78591E-05	0.000112425	0.000104219	0.000242785	0.000137537	9.27578E-05
5787	0.000107339	9.88003E-05	0.0002165	0.000130454	9.28825E-05	0.000106532	9.88106E-05	0.000229179	0.000130454	9.81216E-05
5788	0.000107832	9.92838E-05	0.000217114	0.000131273	0.000101161	0.000107132	9.94055E-05	0.000229872	0.000131273	0.000106969
5789	0.000115198	0.000106072	0.000231862	0.000139931	0.000109973	0.000114388	0.00010614	0.000245405	0.000139931	0.000116394
5790	0.000124318	0.000114483	0.000250045	0.00015005	0.00011377	0.000123189	0.000114294	0.000264469	0.00015005	0.000120327
5791	0.000128958	0.000118452	0.000263256	0.000156414	0.000207837	0.00012783	0.000118368	0.000278131	0.000156414	0.000208303
5792	0.000139062	0.000127156	0.000291271	0.000172132	0.000209448	0.000138377	0.000127717	0.00030771	0.000172132	0.000209929
5793	0.000146536	0.000133997	0.000306825	0.000181238	0.000212254	0.000145779	0.000134552	0.000324123	0.000181238	0.000212944
5794	0.000157342	0.000143888	0.000329333	0.000194547	0.000212481	0.000156524	0.000144476	0.000347895	0.000194547	0.000213198
5795	0.000171325	0.000156579	0.000359829	0.000212511	0.000211838	0.000170519	0.000157321	0.000380172	0.000212511	0.000212517
5796	0.000187364	0.000170946	0.000397248	0.000235001	0.000196813	0.000186914	0.000172242	0.000419972	0.000235001	0.00019856
5797	0.000202722	0.000184777	0.000432127	0.000255905	0.000197629	0.000202511	0.00018649	0.000457015	0.000255905	0.000199429
5798	0.000219062	0.000199389	0.000470568	0.000279144	0.00019577	0.000219284	0.000201742	0.00049794	0.000279144	0.000197438
5799	0.000231376	0.000210482	0.000498478	0.000296085	0.000205972	0.000231853	0.000213234	0.000527611	0.000296085	0.000206239
5800	0.000237615	0.000216191	0.000511499	0.000303755	0.000198969	0.00023805	0.000218956	0.000541359	0.000303755	0.000198747
5801	0.000241438	0.000219841	0.000517519	0.000307634	0.000193579	0.000241792	0.000222537	0.000547656	0.000307634	0.000192973
5802	0.000240821	0.000219584	0.000512303	0.000302063	0.000190358	0.000240066	0.000221086	0.000541555	0.000302063	0.000189518
5803	0.000238655	0.000218177	0.000500444	0.000290782	0.000159257	0.000235955	0.00021757	0.000527982	0.000290782	0.000160464
5804	0.000228206	0.000209157	0.00047172	0.000272062	0.000127964	0.000224441	0.000207282	0.000496993	0.000272062	0.000131339
5805	0.000211718	0.000194666	0.000429711	0.00024657	0.000108484	0.000207014	0.000191567	0.000452373	0.00024657	0.00011261
5806	0.000187352	0.00017286	0.000372615	0.000214027	9.10247E-05	0.000182454	0.000169251	0.00039217	0.000214027	9.6169E-05
5807	0.000161892	0.00014939	0.000321718	0.000185657	8.81635E-05	0.000157861	0.000146471	0.000338791	0.000185657	9.3101E-05
5808	0.000140886	0.000129896	0.000281384	0.00016457	8.68858E-05	0.000138131	0.000128142	0.000296794	0.00016457	9.17314E-05
5809	0.000122533	0.000112797	0.000246996	0.000146709	8.67298E-05	0.000120982	0.000112163	0.000261059	0.000146709	9.15613E-05
5810	0.000113427	0.000104351	0.000229449	0.000137537	8.78591E-05	0.000112425	0.000104219	0.000242785	0.000137537	9.27578E-05
5811	0.000107339	9.88003E-05	0.0002165	0.000130454	9.28825E-05	0.000106532	9.88106E-05	0.000229179	0.000130454	9.81216E-05
5812	0.000107832	9.92838E-05	0.000217114	0.000131273	0.000101161	0.000107132	9.94055E-05	0.000229872	0.000131273	0.000106969
5813	0.000115198	0.000106072	0.000231862	0.000139931	0.000109973	0.000114388	0.00010614	0.000245405	0.000139931	0.000116394
5814	0.000124318	0.000114483	0.000250045	0.00015005	0.00011377	0.000123189	0.000114294	0.000264469	0.00015005	0.000120327
5815	0.000128958	0.000118452	0.000263256	0.000156414	0.000207837	0.00012783	0.000118368	0.000278131	0.000156414	0.000208303
5816	0.000139062	0.000127156	0.000291271	0.000172132	0.000209448	0.000138377	0.000127717	0.00030771	0.000172132	0.000209929
5817	0.000146536	0.000133997	0.000306825	0.000181238	0.000212254	0.000145779	0.000134552	0.000324123	0.000181238	0.000212944
5818	0.000157342	0.000143888	0.000329333	0.000194547	0.000212481	0.000156524	0.000144476	0.000347895	0.000194547	0.000213198
5819	0.000171325	0.000156579	0.000359829	0.000212511	0.000211838	0.000170519	0.000157321	0.000380172	0.000212511	0.000212517
5820	0.000187364	0.000170946	0.000397248	0.000235001	0.000196813	0.000186914	0.000172242	0.000419972	0.000235001	0.00019856
5821	0.000202722	0.000184777	0.000432127	0.000255905	0.000197629	0.000202511	0.00018649	0.000457015	0.000255905	0.000199429
5822	0.000219062	0.000199389	0.000470568	0.000279144	0.00019577	0.000219284	0.000201742	0.00049794	0.000279144	0.000197438
5823	0.000231376	0.000210482	0.000498478	0.000296085	0.000205972	0.000231853	0.000213234	0.000527611	0.000296085	0.000206239
5824	0.000237615	0.000216191	0.000511499	0.000303755	0.000198969	0.00023805	0.000218956	0.000541359	0.000303755	0.000198747
5825	0.000241438	0.000219841	0.000517519	0.000307634	0.000193579	0.000241792	0.000222537	0.000547656	0.000307634	0.000192973
5826	0.000240821	0.000219584	0.000512303	0.000302063	0.000190358	0.000240066	0.000221086	0.000541555	0.000302063	0.000189518
5827	0.000238655	0.000218177	0.000500444	0.000290782	0.000159257	0.000235955	0.00021757	0.000527982	0.000290782	0.000160464
5828	0.000228206	0.000209157	0.00047172	0.000272062	0.000127964	0.000224441	0.000207282	0.000496993	0.000272062	0.000131339
5829	0.000211718	0.000194666	0.000429711	0.00024657	0.000108484	0.000207014	0.000191567	0.000452373	0.00024657	0.00011261
5830	0.000187352	0.00017286	0.000372615	0.000214027	9.10247E-05	0.000182454	0.000169251	0.00039217	0.000214027	9.6169E-05
5831	0.000161892	0.00014939	0.000321718	0.000185657	8.81635E-05	0.000157861	0.000146471	0.000338791	0.000185657	9.3101E-05
5832	0.000140886	0.000129896	0.000281384	0.00016457	8.68858E-05	0.000138131	0.000128142	0.000296794	0.00016457	9.17314E-05
5833	0.000122533	0.000112797	0.000246996	0.000146709	8.67298E-05	0.000120982	0.000112163	0.000261059	0.000146709	9.15613E-05
5834	0.000113427	0.000104351	0.000229449	0.000137537	8.78591E-05	0.000112425	0.000104219	0.000242785	0.000137537	9.27578E-05
5835	0.000107339	9.88003E-05	0.0002165	0.000130454	9.28825E-05	0.000106532	9.88106E-05	0.000229179	0.000130454	9.81216E-05
5836	0.000107832	9.92838E-05	0.000217114	0.000131273	0.000101161	0.000107132	9.94055E-05	0.000229872	0.000131273	0.000106969
5837	0.000115198	0.000106072	0.000231862	0.000139931	0.000109973	0.000114388	0.00010614	0.000245405	0.000139931	0.000116394
5838	0.000124318	0.000114483	0.000250045	0.00015005	0.00011377	0.000123189	0.000114294	0.000264469	0.00015005	0.000120327
5839	0.000128958	0.000118452	0.000263256	0.000156414	0.000207837	0.00012783	0.000118368	0.000278131	0.000156414	0.000208303
5840	0.000139062	0.000127156	0.000291271	0.000172132	0.000209448	0.000138377	0.000127717	0.00030771	0.000172132	0.000209929
5841	0.000146536	0.000133997	0.000306825	0.000181238	0.000212254	0.000145779	0.000134552	0.000324123	0.000181238	0.000212944
5842	0.000157342	0.000143888	0.000329333	0.000194547	0.000212481	0.000156524	0.000144476	0.000347895	0.000194547	0.000213198
5843	0.000171325	0.000156579	0.000359829	0.000212511	0.000211838	0.000170519	0.000157321	0.000380172	0.000212511	0.000212517

5844	0.000187364	0.000170946	0.000397248	0.000235001	0.000196813	0.000186914	0.000172242	0.000419972	0.000235001	0.00019856
5845	0.000202722	0.000184777	0.000432127	0.000255905	0.000197629	0.000202511	0.00018649	0.000457015	0.000255905	0.000199429
5846	0.000219062	0.000199389	0.000470568	0.000279144	0.00019577	0.000219284	0.000201742	0.00049794	0.000279144	0.000197438
5847	0.000231376	0.000210482	0.000498478	0.000296085	0.000205972	0.000231853	0.000213234	0.000527611	0.000296085	0.000206239
5848	0.000237615	0.000216191	0.000511499	0.000303755	0.000198969	0.00023805	0.000218956	0.000541359	0.000303755	0.000198747
5849	0.000241438	0.000219841	0.000517519	0.000307634	0.000193579	0.000241792	0.000222537	0.000547656	0.000307634	0.000192973
5850	0.000240821	0.000219584	0.000512303	0.000302063	0.000190358	0.000240066	0.000221086	0.000541555	0.000302063	0.000189518
5851	0.000238655	0.000218177	0.000500444	0.000290782	0.000159257	0.000235955	0.00021757	0.000527982	0.000290782	0.000160464
5852	0.000228206	0.000209157	0.00047172	0.000272062	0.000127964	0.000224441	0.000207282	0.000496993	0.000272062	0.000131339
5853	0.000211718	0.000194666	0.000429711	0.00024657	0.000108484	0.000207014	0.000191567	0.000452373	0.00024657	0.00011261
5854	0.000187352	0.00017286	0.000372615	0.000214027	9.10247E-05	0.000182454	0.000169251	0.00039217	0.000214027	9.6169E-05
5855	0.000161892	0.00014939	0.000321718	0.000185657	8.81635E-05	0.000157861	0.000146471	0.000338791	0.000185657	9.3101E-05
5856	0.000140886	0.000129896	0.000281384	0.00016457	8.68858E-05	0.000138131	0.000128142	0.000296794	0.00016457	9.17314E-05
5857	7.13678E-05	7.53696E-05	2.02102E-05	5.69909E-05	8.26239E-05	7.05541E-05	7.40024E-05	1.57779E-05	5.69909E-05	8.71374E-05
5858	6.7324E-05	7.12823E-05	1.6722E-05	5.54176E-05	8.43214E-05	6.71761E-05	7.06202E-05	1.24673E-05	5.54176E-05	8.8948E-05
5859	6.63688E-05	7.03495E-05	1.54798E-05	5.5619E-05	8.94794E-05	6.65734E-05	7.00592E-05	1.12025E-05	5.5619E-05	9.44539E-05
5860	6.91388E-05	7.33189E-05	1.57021E-05	5.917E-05	9.66098E-05	6.97486E-05	7.34424E-05	1.10747E-05	5.917E-05	0.000102073
5861	7.61987E-05	8.07618E-05	1.78643E-05	6.52035E-05	0.000105607	7.68444E-05	8.08783E-05	1.27676E-05	6.52035E-05	0.000111696
5862	8.32269E-05	8.81003E-05	2.09253E-05	7.04034E-05	0.000110607	8.36172E-05	8.79112E-05	1.54081E-05	7.04034E-05	0.000116918
5863	8.50438E-05	8.97679E-05	2.46519E-05	7.23091E-05	0.000205691	8.54119E-05	8.96E-05	1.88859E-05	7.23091E-05	0.000205984
5864	8.27688E-05	8.71977E-05	2.61494E-05	7.20283E-05	0.000208412	8.35413E-05	8.75249E-05	2.02618E-05	7.20283E-05	0.000208787
5865	8.36077E-05	8.80273E-05	2.71072E-05	7.22741E-05	0.000209908	8.42055E-05	8.8174E-05	2.11677E-05	7.22741E-05	0.000210407
5866	8.80341E-05	9.26665E-05	2.88145E-05	7.55362E-05	0.000210098	8.84785E-05	9.26231E-05	2.26433E-05	7.55362E-05	0.00021062
5867	9.15215E-05	9.63208E-05	3.01681E-05	7.80654E-05	0.000210854	9.18322E-05	9.61137E-05	2.38219E-05	7.80654E-05	0.000211431
5868	9.21992E-05	9.70961E-05	2.95978E-05	7.86216E-05	0.00019698	9.25463E-05	9.69045E-05	2.33185E-05	7.86216E-05	0.000198702
5869	9.52322E-05	0.000100338	2.99581E-05	8.13863E-05	0.000195594	9.56764E-05	0.000100219	2.35187E-05	8.13863E-05	0.000197222
5870	9.89188E-05	0.000104338	2.96417E-05	8.5666E-05	0.000192087	9.97983E-05	0.000104638	2.29157E-05	8.5666E-05	0.000193468
5871	0.000104472	0.000110282	3.01999E-05	9.09632E-05	0.00019988	0.000105606	0.000110797	2.31447E-05	9.09632E-05	0.000199696
5872	0.000112982	0.000119311	3.20724E-05	9.77483E-05	0.000192711	0.000114049	0.000119677	2.46564E-05	9.77483E-05	0.000192031
5873	0.000120389	0.000127135	3.415E-05	0.000104785	0.000187662	0.000121718	0.000127736	2.61173E-05	0.000104785	0.000186623
5874	0.000125101	0.0001318	3.94694E-05	0.000106523	0.000183953	0.000125561	0.000131509	3.10775E-05	0.000106523	0.000182645
5875	0.000131128	0.000137614	4.82139E-05	0.000105749	0.000152449	0.000129467	0.000135116	3.97333E-05	0.000105749	0.00015316
5876	0.000127455	0.000133381	5.16972E-05	0.000100044	0.000121698	0.000124761	0.000129885	4.33729E-05	0.000100044	0.000124612
5877	0.000120304	0.000125789	5.01764E-05	9.07809E-05	0.000102561	0.000116559	0.000121219	4.2523E-05	9.07809E-05	0.000106248
5878	0.000108414	0.000113422	4.43907E-05	7.93075E-05	8.56337E-05	0.000104296	0.000108487	3.77188E-05	7.93075E-05	9.03759E-05
5879	9.36681E-05	9.81217E-05	3.67343E-05	6.93558E-05	8.32533E-05	9.04403E-05	9.41879E-05	3.09105E-05	6.93558E-05	8.78226E-05
5880	8.21642E-05	8.63843E-05	2.82144E-05	6.30133E-05	8.20603E-05	8.01924E-05	8.37866E-05	2.31001E-05	6.30133E-05	8.65382E-05
5881	7.13678E-05	7.53696E-05	2.02102E-05	5.69909E-05	8.26239E-05	7.05541E-05	7.40024E-05	1.57779E-05	5.69909E-05	8.71374E-05
5882	6.7324E-05	7.12823E-05	1.6722E-05	5.54176E-05	8.43214E-05	6.71761E-05	7.06202E-05	1.24673E-05	5.54176E-05	8.8948E-05
5883	6.63688E-05	7.03495E-05	1.54798E-05	5.5619E-05	8.94794E-05	6.65734E-05	7.00592E-05	1.12025E-05	5.5619E-05	9.44539E-05
5884	6.91388E-05	7.33189E-05	1.57021E-05	5.917E-05	9.66098E-05	6.97486E-05	7.34424E-05	1.10747E-05	5.917E-05	0.000102073
5885	7.61987E-05	8.07618E-05	1.78643E-05	6.52035E-05	0.000105607	7.68444E-05	8.08783E-05	1.27676E-05	6.52035E-05	0.000111696
5886	8.32269E-05	8.81003E-05	2.09253E-05	7.04034E-05	0.000110607	8.36172E-05	8.79112E-05	1.54081E-05	7.04034E-05	0.000116918
5887	8.50438E-05	8.97679E-05	2.46519E-05	7.23091E-05	0.000205691	8.54119E-05	8.96E-05	1.88859E-05	7.23091E-05	0.000205984
5888	8.27688E-05	8.71977E-05	2.61494E-05	7.20283E-05	0.000208412	8.35413E-05	8.75249E-05	2.02618E-05	7.20283E-05	0.000208787
5889	8.36077E-05	8.80273E-05	2.71072E-05	7.22741E-05	0.000209908	8.42055E-05	8.8174E-05	2.11677E-05	7.22741E-05	0.000210407
5890	8.80341E-05	9.26665E-05	2.88145E-05	7.55362E-05	0.000210098	8.84785E-05	9.26231E-05	2.26433E-05	7.55362E-05	0.00021062
5891	9.15215E-05	9.63208E-05	3.01681E-05	7.80654E-05	0.000210854	9.18322E-05	9.61137E-05	2.38219E-05	7.80654E-05	0.000211431
5892	9.21992E-05	9.70961E-05	2.95978E-05	7.86216E-05	0.00019698	9.25463E-05	9.69045E-05	2.33185E-05	7.86216E-05	0.000198702
5893	9.52322E-05	0.000100338	2.99581E-05	8.13863E-05	0.000195594	9.56764E-05	0.000100219	2.35187E-05	8.13863E-05	0.000197222
5894	9.89188E-05	0.000104338	2.96417E-05	8.5666E-05	0.000192087	9.97983E-05	0.000104638	2.29157E-05	8.5666E-05	0.000193468
5895	0.000104472	0.000110282	3.01999E-05	9.09632E-05	0.00019988	0.000105606	0.000110797	2.31447E-05	9.09632E-05	0.000199696
5896	0.000112982	0.000119311	3.20724E-05	9.77483E-05	0.000192711	0.000114049	0.000119677	2.46564E-05	9.77483E-05	0.000192031
5897	0.000120389	0.000127135	3.415E-05	0.000104785	0.000187662	0.000121718	0.000127736	2.61173E-05	0.000104785	0.000186623
5898	0.000125101	0.0001318	3.94694E-05	0.000106523	0.000183953	0.000125561	0.000131509	3.10775E-05	0.000106523	0.000182645
5899	0.000131128	0.000137614	4.82139E-05	0.000105749	0.000152449	0.000129467	0.000135116	3.97333E-05	0.000105749	0.00015316
5900	0.000127455	0.000133381	5.16972E-05	0.000100044	0.000121698	0.000124761	0.000129885	4.33729E-05	0.000100044	0.000124612
5901	0.000120304	0.000125789	5.01764E-05	9.07809E-05	0.000102561	0.000116559	0.000121219	4.2523E-05	9.07809E-05	0.000106248
5902	0.000108414	0.000113422	4.43907E-05	7.93075E-05	8.56337E-05	0.000104296	0.000108487	3.77188E-05	7.93075E-05	9.03759E-05
5903	9.36681E-05	9.81217E-05	3.67343E-05	6.93558E-05	8.32533E-05	9.04403E-05	9.41879E-05	3.09105E-05	6.93558E-05	8.78226E-05
5904	8.21642E-05	8.63843E-05	2.82144E-05	6.30133E-05	8.20603E-05	8.01924E-05	8.37866E-05	2.31001E-05	6.30133E-05	8.65382E-05
5905	7.26211E-05	7.67059E-05	2.04024E-05	5.81117E-05	8.21827E-05	7.18386E-05	7.536E-05	1.59026E-05	5.81117E-05	8.66718E-05
5906	6.7143E-05	7.10896E-05	1.6691E-05	5.52289E-05	8.47737E-05	6.69826E-05	7.04155E-05	1.24521E-05	5.52289E-05	8.94295E-05
5907	6.62343E-05	7.02059E-05	1.54615E-05	5.55177E-05	8.99099E-05	6.64412E-05	6.99196E-05	1.11871E-05	5.55177E-05	9.49124E-05
5908	6.91557E-05	7.33366E-05	1.57088E-05	5.9219E-05	9.7201E-05	6.9776E-05	7.34716E-05	1.10728E-05	5.9219E-05	0.000102704
5909	7.64483E-05	8.10273E-05	1.79118E-05	6.5502E-05	0.000106474	7.71227E-05	8.1173E-05	1.27844E-05	6.5502E-05	0.000112621
5910	8.32486E-05	8.81226E-05	2.09399E-05	7.05148E-05	0.000111796	8.36668E-05	8.79644E-05	1.54004E-05	7.05148E-05	0.000118188
5911	8.6361E-05	9.11872E-05	2.46635E-05	7.22641E-05	0.000207069	8.63873E-05	9.0636E-05	1.88985E-05	7.22641E-05	0.000207457
5912	8.21068E-05	8.64923E-05	2.60431E-05	7.13974E-05	0.000210153	8.28512E-05	8.67953E-05	2.02001E-05	7.13974E-05	0.00021065
5913	8.28877E-05	8.726E-05	2.69939E-05	7.16067E-05	0.000211828	8.34607E-05	8.73866E-05	2.10986E-05	7.16067E-05	0.000212462
5914	8.8018E-05	9.26492E-05	2.88133E-05	7.55319E-05	0.000211981	8.84651E-05	9.26089E-05	2.26406E-05	7.55319E-05	0.000212639
5915	9.24309E-05	9.729E-05	3.03131E-05	7.89232E-05	0.000212795	9.27776E-05	9.71132E-05	2.39076E-05	7.89232E-05	0.000213514
5916	9.36447E-05	9.86363E-05	2.98339E-05	8.00315E-05	0.000198975	9.40628E-05	9.85081E-05	2.34498E-05	8.00315E-05	0.000200842
5917	9.71667E-05	0.0001024	3.02692E-05	8.3234E-05	0.000197372	9.76942E-05	0.000102352	2.36985E-05	8.3234E-05	0.000199129
5918	0.000101392	0.000106975	3.00229E-05	8.78931E-05	0.000194069	0.000102338	0.000107322	2.31602E-05	8.78931E-05	0.000195595
5919	0.000107491	0.0001135	3.06641E-05	9.36717E-05	0.000201746	0.000108702	0.00011407	2.34441E-05	9.36717E-05	0.000201698

5920	0.0001171	0.000123703	3.26922E-05	0.000101334	0.000194615	0.000118241	0.000124106	2.50766E-05	0.000101334	0.000194073
5921	0.000124865	0.000131904	3.48769E-05	0.000109118	0.000189652	0.000126403	0.000132691	2.65273E-05	0.000109118	0.000188759
5922	0.000128924	0.000135871	4.01021E-05	0.00011032	0.000185995	0.000129591	0.000135771	3.14171E-05	0.00011032	0.000184832
5923	0.000134454	0.000141158	4.87463E-05	0.000108905	0.000154506	0.00013293	0.000138777	4.00448E-05	0.000108905	0.000155363
5924	0.000130226	0.000136335	5.21239E-05	0.000102536	0.000123672	0.000127605	0.00013289	4.36471E-05	0.000102536	0.000126726
5925	0.000121064	0.000126585	5.04825E-05	9.26764E-05	0.000104115	0.00011771	0.000122431	4.27178E-05	9.26764E-05	0.000107913
5926	0.000110077	0.000115196	4.46404E-05	8.07503E-05	8.67853E-05	0.000105988	0.000110275	3.78892E-05	8.07503E-05	9.16117E-05
5927	9.50392E-05	9.95827E-05	3.69561E-05	7.06754E-05	8.42911E-05	9.18734E-05	9.57033E-05	3.10369E-05	7.06754E-05	8.89367E-05
5928	8.31531E-05	8.7438E-05	2.83748E-05	6.39684E-05	8.28046E-05	8.1227E-05	8.48806E-05	2.31909E-05	6.39684E-05	8.73375E-05
5929	7.26211E-05	7.67059E-05	2.04024E-05	5.81117E-05	8.21827E-05	7.18386E-05	7.536E-05	1.59026E-05	5.81117E-05	8.66718E-05
5930	6.7143E-05	7.10896E-05	1.6691E-05	5.52289E-05	8.47737E-05	6.69826E-05	7.04155E-05	1.24521E-05	5.52289E-05	8.94295E-05
5931	6.62343E-05	7.02059E-05	1.54615E-05	5.55177E-05	8.99099E-05	6.64412E-05	6.99196E-05	1.11871E-05	5.55177E-05	9.49124E-05
5932	6.91557E-05	7.33366E-05	1.57088E-05	5.9219E-05	9.7201E-05	6.9776E-05	7.34716E-05	1.10728E-05	5.9219E-05	0.000102704
5933	7.64483E-05	8.10273E-05	1.79118E-05	6.5502E-05	0.000106474	7.71227E-05	8.1173E-05	1.27844E-05	6.5502E-05	0.000112621
5934	8.32486E-05	8.81226E-05	2.09399E-05	7.05148E-05	0.000111796	8.36668E-05	8.79644E-05	1.54004E-05	7.05148E-05	0.000118188
5935	8.6361E-05	9.11872E-05	2.46635E-05	7.22641E-05	0.000207069	8.63873E-05	9.0636E-05	1.88985E-05	7.22641E-05	0.000207457
5936	8.21068E-05	8.64923E-05	2.60431E-05	7.13974E-05	0.000210153	8.28512E-05	8.67953E-05	2.02001E-05	7.13974E-05	0.00021065
5937	8.28877E-05	8.726E-05	2.69939E-05	7.16067E-05	0.000211828	8.34607E-05	8.73866E-05	2.10986E-05	7.16067E-05	0.000212462
5938	8.8018E-05	9.26492E-05	2.88133E-05	7.55319E-05	0.000211981	8.84651E-05	9.26089E-05	2.26406E-05	7.55319E-05	0.000212639
5939	9.24309E-05	9.729E-05	3.03131E-05	7.89232E-05	0.000212795	9.27776E-05	9.71132E-05	2.39076E-05	7.89232E-05	0.000213514
5940	9.36447E-05	9.86363E-05	2.98339E-05	8.00315E-05	0.000198975	9.40628E-05	9.85081E-05	2.34498E-05	8.00315E-05	0.000200842
5941	9.71667E-05	0.0001024	3.02692E-05	8.3234E-05	0.000197372	9.76942E-05	0.000102352	2.36985E-05	8.3234E-05	0.000199129
5942	0.000101392	0.000106975	3.00229E-05	8.78931E-05	0.000194069	0.000102338	0.000107322	2.31602E-05	8.78931E-05	0.000195595
5943	0.000107491	0.0001135	3.06641E-05	9.36717E-05	0.000201746	0.000108702	0.00011407	2.34441E-05	9.36717E-05	0.000201698
5944	0.0001171	0.000123703	3.26922E-05	0.000101334	0.000194615	0.000118241	0.000124106	2.50766E-05	0.000101334	0.000194073
5945	0.000124865	0.000131904	3.48769E-05	0.000109118	0.000189652	0.000126403	0.000132691	2.65273E-05	0.000109118	0.000188759
5946	0.000128924	0.000135871	4.01021E-05	0.00011032	0.000185995	0.000129591	0.000135771	3.14171E-05	0.00011032	0.000184832
5947	0.000134454	0.000141158	4.87463E-05	0.000108905	0.000154506	0.00013293	0.000138777	4.00448E-05	0.000108905	0.000155363
5948	0.000130226	0.000136335	5.21239E-05	0.000102536	0.000123672	0.000127605	0.00013289	4.36471E-05	0.000102536	0.000126726
5949	0.000121064	0.000126585	5.04825E-05	9.26764E-05	0.000104115	0.00011771	0.000122431	4.27178E-05	9.26764E-05	0.000107913
5950	0.000110077	0.000115196	4.46404E-05	8.07503E-05	8.67853E-05	0.000105988	0.000110275	3.78892E-05	8.07503E-05	9.16117E-05
5951	9.50392E-05	9.95827E-05	3.69561E-05	7.06754E-05	8.42911E-05	9.18734E-05	9.57033E-05	3.10369E-05	7.06754E-05	8.89367E-05
5952	8.31531E-05	8.7438E-05	2.83748E-05	6.39684E-05	8.28046E-05	8.1227E-05	8.48806E-05	2.31909E-05	6.39684E-05	8.73375E-05
5953	7.26211E-05	7.67059E-05	2.04024E-05	5.81117E-05	8.21827E-05	7.18386E-05	7.536E-05	1.59026E-05	5.81117E-05	8.66718E-05
5954	6.7143E-05	7.10896E-05	1.6691E-05	5.52289E-05	8.47737E-05	6.69826E-05	7.04155E-05	1.24521E-05	5.52289E-05	8.94295E-05
5955	6.62343E-05	7.02059E-05	1.54615E-05	5.55177E-05	8.99099E-05	6.64412E-05	6.99196E-05	1.11871E-05	5.55177E-05	9.49124E-05
5956	6.91557E-05	7.33366E-05	1.57088E-05	5.9219E-05	9.7201E-05	6.9776E-05	7.34716E-05	1.10728E-05	5.9219E-05	0.000102704
5957	7.64483E-05	8.10273E-05	1.79118E-05	6.5502E-05	0.000106474	7.71227E-05	8.1173E-05	1.27844E-05	6.5502E-05	0.000112621
5958	8.32486E-05	8.81226E-05	2.09399E-05	7.05148E-05	0.000111796	8.36668E-05	8.79644E-05	1.54004E-05	7.05148E-05	0.000118188
5959	8.6361E-05	9.11872E-05	2.46635E-05	7.22641E-05	0.000207069	8.63873E-05	9.0636E-05	1.88985E-05	7.22641E-05	0.000207457
5960	8.21068E-05	8.64923E-05	2.60431E-05	7.13974E-05	0.000210153	8.28512E-05	8.67953E-05	2.02001E-05	7.13974E-05	0.00021065
5961	8.28877E-05	8.726E-05	2.69939E-05	7.16067E-05	0.000211828	8.34607E-05	8.73866E-05	2.10986E-05	7.16067E-05	0.000212462
5962	8.8018E-05	9.26492E-05	2.88133E-05	7.55319E-05	0.000211981	8.84651E-05	9.26089E-05	2.26406E-05	7.55319E-05	0.000212639
5963	9.24309E-05	9.729E-05	3.03131E-05	7.89232E-05	0.000212795	9.27776E-05	9.71132E-05	2.39076E-05	7.89232E-05	0.000213514
5964	9.36447E-05	9.86363E-05	2.98339E-05	8.00315E-05	0.000198975	9.40628E-05	9.85081E-05	2.34498E-05	8.00315E-05	0.000200842
5965	9.71667E-05	0.0001024	3.02692E-05	8.3234E-05	0.000197372	9.76942E-05	0.000102352	2.36985E-05	8.3234E-05	0.000199129
5966	0.000101392	0.000106975	3.00229E-05	8.78931E-05	0.000194069	0.000102338	0.000107322	2.31602E-05	8.78931E-05	0.000195595
5967	0.000107491	0.0001135	3.06641E-05	9.36717E-05	0.000201746	0.000108702	0.00011407	2.34441E-05	9.36717E-05	0.000201698
5968	0.0001171	0.000123703	3.26922E-05	0.000101334	0.000194615	0.000118241	0.000124106	2.50766E-05	0.000101334	0.000194073
5969	0.000124865	0.000131904	3.48769E-05	0.000109118	0.000189652	0.000126403	0.000132691	2.65273E-05	0.000109118	0.000188759
5970	0.000128924	0.000135871	4.01021E-05	0.00011032	0.000185995	0.000129591	0.000135771	3.14171E-05	0.00011032	0.000184832
5971	0.000134454	0.000141158	4.87463E-05	0.000108905	0.000154506	0.00013293	0.000138777	4.00448E-05	0.000108905	0.000155363
5972	0.000130226	0.000136335	5.21239E-05	0.000102536	0.000123672	0.000127605	0.00013289	4.36471E-05	0.000102536	0.000126726
5973	0.000121064	0.000126585	5.04825E-05	9.26764E-05	0.000104115	0.00011771	0.000122431	4.27178E-05	9.26764E-05	0.000107913
5974	0.000110077	0.000115196	4.46404E-05	8.07503E-05	8.67853E-05	0.000105988	0.000110275	3.78892E-05	8.07503E-05	9.16117E-05
5975	9.50392E-05	9.95827E-05	3.69561E-05	7.06754E-05	8.42911E-05	9.18734E-05	9.57033E-05	3.10369E-05	7.06754E-05	8.89367E-05
5976	8.31531E-05	8.7438E-05	2.83748E-05	6.39684E-05	8.28046E-05	8.1227E-05	8.48806E-05	2.31909E-05	6.39684E-05	8.73375E-05
5977	7.13678E-05	7.53696E-05	2.02102E-05	5.69909E-05	8.26239E-05	7.05541E-05	7.40024E-05	1.57779E-05	5.69909E-05	8.71374E-05
5978	6.7324E-05	7.12823E-05	1.6722E-05	5.54176E-05	8.43214E-05	6.71761E-05	7.06202E-05	1.24673E-05	5.54176E-05	8.8948E-05
5979	6.63688E-05	7.03495E-05	1.54798E-05	5.5619E-05	8.94794E-05	6.65734E-05	7.00592E-05	1.12025E-05	5.5619E-05	9.44539E-05
5980	6.91388E-05	7.33189E-05	1.57021E-05	5.917E-05	9.66098E-05	6.97486E-05	7.34424E-05	1.10747E-05	5.917E-05	0.000102073
5981	7.61987E-05	8.07618E-05	1.78643E-05	6.52035E-05	0.000105607	7.68444E-05	8.08783E-05	1.27676E-05	6.52035E-05	0.000111696
5982	8.32269E-05	8.81003E-05	2.09253E-05	7.04034E-05	0.000110607	8.36172E-05	8.79112E-05	1.54081E-05	7.04034E-05	0.000116918
5983	8.50438E-05	8.97679E-05	2.46519E-05	7.23091E-05	0.000205691	8.54119E-05	8.96E-05	1.88859E-05	7.23091E-05	0.000205984
5984	8.27688E-05	8.71977E-05	2.61494E-05	7.20283E-05	0.000208412	8.35413E-05	8.75249E-05	2.02618E-05	7.20283E-05	0.000208787
5985	8.36077E-05	8.80273E-05	2.71072E-05	7.22741E-05	0.000209908	8.42055E-05	8.8174E-05	2.11677E-05	7.22741E-05	0.000210407
5986	8.80341E-05	9.26665E-05	2.88145E-05	7.55362E-05	0.000210098	8.84785E-05	9.26231E-05	2.26433E-05	7.55362E-05	0.00021062
5987	9.15215E-05	9.63208E-05	3.01681E-05	7.80654E-05	0.000210854	9.18322E-05	9.61137E-05	2.38219E-05	7.80654E-05	0.000211431
5988	9.21992E-05	9.70961E-05	2.95978E-05	7.86216E-05	0.00019698	9.25463E-05	9.69045E-05	2.33185E-05	7.86216E-05	0.000198702
5989	9.52322E-05	0.000100338	2.99581E-05	8.13863E-05	0.000195594	9.56764E-05	0.000100219	2.35187E-05	8.13863E-05	0.000197222
5990	9.89188E-05	0.000104338	2.96417E-05	8.5666E-05	0.000192087	9.97983E-05	0.000104638	2.29157E-05	8.5666E-05	0.000193468
5991	0.000104472	0.000110282	3.01999E-05	9.09632E-05	0.00019988	0.000105606	0.000110797	2.31447E-05	9.09632E-05	0.000199696
5992	0.000112982	0.000119311	3.20724E-05	9.77483E-05	0.000192711	0.000114049	0.000119677	2.46564E-05	9.77483E-05	0.000192031
5993	0.000120389	0.000127135	3.415E-05	0.000104785	0.000187662	0.000121718	0.000127736	2.61173E-05	0.000104785	0.000186623
5994	0.000125101	0.0001318	3.94694E-05	0.000106523	0.000183953	0.000125561	0.000131509	3.10775E-05	0.000106523	0.000182645
5995	0.000131128	0.000137614	4.82139E-05	0.000105749	0.000152449	0.000129467	0.000135116	3.97333E-05	0.000105749	0.00015316

5996	0.000127455	0.000133381	5.16972E-05	0.000100044	0.000121698	0.000124761	0.000129885	4.33729E-05	0.000100044	0.000124612
5997	0.000120304	0.000125789	5.01764E-05	9.07809E-05	0.000102561	0.000116559	0.000121219	4.2523E-05	9.07809E-05	0.000106248
5998	0.000108414	0.000113422	4.43907E-05	7.93075E-05	8.56337E-05	0.000104296	0.000108487	3.77188E-05	7.93075E-05	9.03759E-05
5999	9.36681E-05	9.81217E-05	3.67343E-05	6.93558E-05	8.32533E-05	9.04403E-05	9.41879E-05	3.09105E-05	6.93558E-05	8.78226E-05
6000	8.21642E-05	8.63843E-05	2.82144E-05	6.30133E-05	8.20603E-05	8.01924E-05	8.37866E-05	2.31001E-05	6.30133E-05	8.65382E-05
6001	7.13678E-05	7.53696E-05	2.02102E-05	5.69909E-05	8.26239E-05	7.05541E-05	7.40024E-05	1.57779E-05	5.69909E-05	8.71374E-05
6002	6.7324E-05	7.12823E-05	1.6722E-05	5.54176E-05	8.43214E-05	6.71761E-05	7.06202E-05	1.24673E-05	5.54176E-05	8.8948E-05
6003	6.63688E-05	7.03495E-05	1.54798E-05	5.5619E-05	8.94794E-05	6.65734E-05	7.00592E-05	1.12025E-05	5.5619E-05	9.44539E-05
6004	6.91388E-05	7.33189E-05	1.57021E-05	5.917E-05	9.66098E-05	6.97486E-05	7.34424E-05	1.10747E-05	5.917E-05	0.000102073
6005	7.61987E-05	8.07618E-05	1.78643E-05	6.52035E-05	0.000105607	7.68444E-05	8.08783E-05	1.27676E-05	6.52035E-05	0.000111696
6006	8.32269E-05	8.81003E-05	2.09253E-05	7.04034E-05	0.000110607	8.36172E-05	8.79112E-05	1.54081E-05	7.04034E-05	0.000116918
6007	8.50438E-05	8.97679E-05	2.46519E-05	7.23091E-05	0.000205691	8.54119E-05	8.96E-05	1.88859E-05	7.23091E-05	0.000205984
6008	8.27688E-05	8.71977E-05	2.61494E-05	7.20283E-05	0.000208412	8.35413E-05	8.75249E-05	2.02618E-05	7.20283E-05	0.000208787
6009	8.36077E-05	8.80273E-05	2.71072E-05	7.22741E-05	0.000209908	8.42055E-05	8.8174E-05	2.11677E-05	7.22741E-05	0.000210407
6010	8.80341E-05	9.26665E-05	2.88145E-05	7.55362E-05	0.000210098	8.84785E-05	9.26231E-05	2.26433E-05	7.55362E-05	0.00021062
6011	9.15215E-05	9.63208E-05	3.01681E-05	7.80654E-05	0.000210854	9.18322E-05	9.61137E-05	2.38219E-05	7.80654E-05	0.000211431
6012	9.21992E-05	9.70961E-05	2.95978E-05	7.86216E-05	0.00019698	9.25463E-05	9.69045E-05	2.33185E-05	7.86216E-05	0.000198702
6013	9.52322E-05	0.000100338	2.99581E-05	8.13863E-05	0.000195594	9.56764E-05	0.000100219	2.35187E-05	8.13863E-05	0.000197222
6014	9.89188E-05	0.000104338	2.96417E-05	8.5666E-05	0.000192087	9.97983E-05	0.000104638	2.29157E-05	8.5666E-05	0.000193468
6015	0.000104472	0.000110282	3.01999E-05	9.09632E-05	0.00019988	0.000105606	0.000110797	2.31447E-05	9.09632E-05	0.000199696
6016	0.000112982	0.000119311	3.20724E-05	9.77483E-05	0.000192711	0.000114049	0.000119677	2.46564E-05	9.77483E-05	0.000192031
6017	0.000120389	0.000127135	3.415E-05	0.000104785	0.000187662	0.000121718	0.000127736	2.61173E-05	0.000104785	0.000186623
6018	0.000125101	0.0001318	3.94694E-05	0.000106523	0.000183953	0.000125561	0.000131509	3.10775E-05	0.000106523	0.000182645
6019	0.000131128	0.000137614	4.82139E-05	0.000105749	0.000152449	0.000129467	0.000135116	3.97333E-05	0.000105749	0.00015316
6020	0.000127455	0.000133381	5.16972E-05	0.000100044	0.000121698	0.000124761	0.000129885	4.33729E-05	0.000100044	0.000124612
6021	0.000120304	0.000125789	5.01764E-05	9.07809E-05	0.000102561	0.000116559	0.000121219	4.2523E-05	9.07809E-05	0.000106248
6022	0.000108414	0.000113422	4.43907E-05	7.93075E-05	8.56337E-05	0.000104296	0.000108487	3.77188E-05	7.93075E-05	9.03759E-05
6023	9.36681E-05	9.81217E-05	3.67343E-05	6.93558E-05	8.32533E-05	9.04403E-05	9.41879E-05	3.09105E-05	6.93558E-05	8.78226E-05
6024	8.21642E-05	8.63843E-05	2.82144E-05	6.30133E-05	8.20603E-05	8.01924E-05	8.37866E-05	2.31001E-05	6.30133E-05	8.65382E-05
6025	7.13678E-05	7.53696E-05	2.02102E-05	5.69909E-05	8.26239E-05	7.05541E-05	7.40024E-05	1.57779E-05	5.69909E-05	8.71374E-05
6026	6.7324E-05	7.12823E-05	1.6722E-05	5.54176E-05	8.43214E-05	6.71761E-05	7.06202E-05	1.24673E-05	5.54176E-05	8.8948E-05
6027	6.63688E-05	7.03495E-05	1.54798E-05	5.5619E-05	8.94794E-05	6.65734E-05	7.00592E-05	1.12025E-05	5.5619E-05	9.44539E-05
6028	6.91388E-05	7.33189E-05	1.57021E-05	5.917E-05	9.66098E-05	6.97486E-05	7.34424E-05	1.10747E-05	5.917E-05	0.000102073
6029	7.61987E-05	8.07618E-05	1.78643E-05	6.52035E-05	0.000105607	7.68444E-05	8.08783E-05	1.27676E-05	6.52035E-05	0.000111696
6030	8.32269E-05	8.81003E-05	2.09253E-05	7.04034E-05	0.000110607	8.36172E-05	8.79112E-05	1.54081E-05	7.04034E-05	0.000116918
6031	8.50438E-05	8.97679E-05	2.46519E-05	7.23091E-05	0.000205691	8.54119E-05	8.96E-05	1.88859E-05	7.23091E-05	0.000205984
6032	8.27688E-05	8.71977E-05	2.61494E-05	7.20283E-05	0.000208412	8.35413E-05	8.75249E-05	2.02618E-05	7.20283E-05	0.000208787
6033	8.36077E-05	8.80273E-05	2.71072E-05	7.22741E-05	0.000209908	8.42055E-05	8.8174E-05	2.11677E-05	7.22741E-05	0.000210407
6034	8.80341E-05	9.26665E-05	2.88145E-05	7.55362E-05	0.000210098	8.84785E-05	9.26231E-05	2.26433E-05	7.55362E-05	0.00021062
6035	9.15215E-05	9.63208E-05	3.01681E-05	7.80654E-05	0.000210854	9.18322E-05	9.61137E-05	2.38219E-05	7.80654E-05	0.000211431
6036	9.21992E-05	9.70961E-05	2.95978E-05	7.86216E-05	0.00019698	9.25463E-05	9.69045E-05	2.33185E-05	7.86216E-05	0.000198702
6037	9.52322E-05	0.000100338	2.99581E-05	8.13863E-05	0.000195594	9.56764E-05	0.000100219	2.35187E-05	8.13863E-05	0.000197222
6038	9.89188E-05	0.000104338	2.96417E-05	8.5666E-05	0.000192087	9.97983E-05	0.000104638	2.29157E-05	8.5666E-05	0.000193468
6039	0.000104472	0.000110282	3.01999E-05	9.09632E-05	0.00019988	0.000105606	0.000110797	2.31447E-05	9.09632E-05	0.000199696
6040	0.000112982	0.000119311	3.20724E-05	9.77483E-05	0.000192711	0.000114049	0.000119677	2.46564E-05	9.77483E-05	0.000192031
6041	0.000120389	0.000127135	3.415E-05	0.000104785	0.000187662	0.000121718	0.000127736	2.61173E-05	0.000104785	0.000186623
6042	0.000125101	0.0001318	3.94694E-05	0.000106523	0.000183953	0.000125561	0.000131509	3.10775E-05	0.000106523	0.000182645
6043	0.000131128	0.000137614	4.82139E-05	0.000105749	0.000152449	0.000129467	0.000135116	3.97333E-05	0.000105749	0.00015316
6044	0.000127455	0.000133381	5.16972E-05	0.000100044	0.000121698	0.000124761	0.000129885	4.33729E-05	0.000100044	0.000124612
6045	0.000120304	0.000125789	5.01764E-05	9.07809E-05	0.000102561	0.000116559	0.000121219	4.2523E-05	9.07809E-05	0.000106248
6046	0.000108414	0.000113422	4.43907E-05	7.93075E-05	8.56337E-05	0.000104296	0.000108487	3.77188E-05	7.93075E-05	9.03759E-05
6047	9.36681E-05	9.81217E-05	3.67343E-05	6.93558E-05	8.32533E-05	9.04403E-05	9.41879E-05	3.09105E-05	6.93558E-05	8.78226E-05
6048	8.21642E-05	8.63843E-05	2.82144E-05	6.30133E-05	8.20603E-05	8.01924E-05	8.37866E-05	2.31001E-05	6.30133E-05	8.65382E-05
6049	7.13678E-05	7.53696E-05	2.02102E-05	5.69909E-05	8.26239E-05	7.05541E-05	7.40024E-05	1.57779E-05	5.69909E-05	8.71374E-05
6050	6.7324E-05	7.12823E-05	1.6722E-05	5.54176E-05	8.43214E-05	6.71761E-05	7.06202E-05	1.24673E-05	5.54176E-05	8.8948E-05
6051	6.63688E-05	7.03495E-05	1.54798E-05	5.5619E-05	8.94794E-05	6.65734E-05	7.00592E-05	1.12025E-05	5.5619E-05	9.44539E-05
6052	6.91388E-05	7.33189E-05	1.57021E-05	5.917E-05	9.66098E-05	6.97486E-05	7.34424E-05	1.10747E-05	5.917E-05	0.000102073
6053	7.61987E-05	8.07618E-05	1.78643E-05	6.52035E-05	0.000105607	7.68444E-05	8.08783E-05	1.27676E-05	6.52035E-05	0.000111696
6054	8.32269E-05	8.81003E-05	2.09253E-05	7.04034E-05	0.000110607	8.36172E-05	8.79112E-05	1.54081E-05	7.04034E-05	0.000116918
6055	8.50438E-05	8.97679E-05	2.46519E-05	7.23091E-05	0.000205691	8.54119E-05	8.96E-05	1.88859E-05	7.23091E-05	0.000205984
6056	8.27688E-05	8.71977E-05	2.61494E-05	7.20283E-05	0.000208412	8.35413E-05	8.75249E-05	2.02618E-05	7.20283E-05	0.000208787
6057	8.36077E-05	8.80273E-05	2.71072E-05	7.22741E-05	0.000209908	8.42055E-05	8.8174E-05	2.11677E-05	7.22741E-05	0.000210407
6058	8.80341E-05	9.26665E-05	2.88145E-05	7.55362E-05	0.000210098	8.84785E-05	9.26231E-05	2.26433E-05	7.55362E-05	0.00021062
6059	9.15215E-05	9.63208E-05	3.01681E-05	7.80654E-05	0.000210854	9.18322E-05	9.61137E-05	2.38219E-05	7.80654E-05	0.000211431
6060	9.21992E-05	9.70961E-05	2.95978E-05	7.86216E-05	0.00019698	9.25463E-05	9.69045E-05	2.33185E-05	7.86216E-05	0.000198702
6061	9.52322E-05	0.000100338	2.99581E-05	8.13863E-05	0.000195594	9.56764E-05	0.000100219	2.35187E-05	8.13863E-05	0.000197222
6062	9.89188E-05	0.000104338	2.96417E-05	8.5666E-05	0.000192087	9.97983E-05	0.000104638	2.29157E-05	8.5666E-05	0.000193468
6063	0.000104472	0.000110282	3.01999E-05	9.09632E-05	0.00019988	0.000105606	0.000110797	2.31447E-05	9.09632E-05	0.000199696
6064	0.000112982	0.000119311	3.20724E-05	9.77483E-05	0.000192711	0.000114049	0.000119677	2.46564E-05	9.77483E-05	0.000192031
6065	0.000120389	0.000127135	3.415E-05	0.000104785	0.000187662	0.000121718	0.000127736	2.61173E-05	0.000104785	0.000186623
6066	0.000125101	0.0001318	3.94694E-05	0.000106523	0.000183953	0.000125561	0.000131509	3.10775E-05	0.000106523	0.000182645
6067	0.000131128	0.000137614	4.82139E-05	0.000105749	0.000152449	0.000129467	0.000135116	3.97333E-05	0.000105749	0.00015316
6068	0.000127455	0.000133381	5.16972E-05	0.000100044	0.000121698	0.000124761	0.000129885	4.33729E-05	0.000100044	0.000124612
6069	0.000120304	0.000125789	5.01764E-05	9.07809E-05	0.000102561	0.000116559	0.000121219	4.2523E-05	9.07809E-05	0.000106248
6070	0.000108414	0.000113422	4.43907E-05	7.93075E-05	8.56337E-05	0.000104296	0.000108487	3.77188E-05	7.93075E-05	9.03759E-05
6071	9.36681E-05	9.81217E-05	3.67343E-05	6.93558E-05	8.32533E-05	9.04403E-05	9.41879E-05	3.09105E-05	6.93558E-05	8.78226E-05

6072	8.21642E-05	8.63843E-05	2.82144E-05	6.30133E-05	8.20603E-05	8.01924E-05	8.37866E-05	2.31001E-05	6.30133E-05	8.65382E-05
6073	7.26211E-05	7.67059E-05	2.04024E-05	5.81117E-05	8.21827E-05	7.18386E-05	7.536E-05	1.59026E-05	5.81117E-05	8.66718E-05
6074	6.7143E-05	7.10896E-05	1.6691E-05	5.52289E-05	8.47737E-05	6.69826E-05	7.04155E-05	1.24521E-05	5.52289E-05	8.94295E-05
6075	6.62343E-05	7.02059E-05	1.54615E-05	5.55177E-05	8.99099E-05	6.64412E-05	6.99196E-05	1.11871E-05	5.55177E-05	9.49124E-05
6076	6.91557E-05	7.33366E-05	1.57088E-05	5.9219E-05	9.7201E-05	6.9776E-05	7.34716E-05	1.10728E-05	5.9219E-05	0.000102704
6077	7.64483E-05	8.10273E-05	1.79118E-05	6.5502E-05	0.000106474	7.71227E-05	8.1173E-05	1.27844E-05	6.5502E-05	0.000112621
6078	8.32486E-05	8.81226E-05	2.09399E-05	7.05148E-05	0.000111796	8.36668E-05	8.79644E-05	1.54004E-05	7.05148E-05	0.000118188
6079	8.6361E-05	9.11872E-05	2.46635E-05	7.22641E-05	0.000207069	8.63873E-05	9.0636E-05	1.88985E-05	7.22641E-05	0.000207457
6080	8.21068E-05	8.64923E-05	2.60431E-05	7.13974E-05	0.000210153	8.28512E-05	8.67953E-05	2.02001E-05	7.13974E-05	0.00021065
6081	8.28877E-05	8.726E-05	2.69939E-05	7.16067E-05	0.000211828	8.34607E-05	8.73866E-05	2.10986E-05	7.16067E-05	0.000212462
6082	8.8018E-05	9.26492E-05	2.88133E-05	7.55319E-05	0.000211981	8.84651E-05	9.26089E-05	2.26406E-05	7.55319E-05	0.000212639
6083	9.24309E-05	9.729E-05	3.03131E-05	7.89232E-05	0.000212795	9.27776E-05	9.71132E-05	2.39076E-05	7.89232E-05	0.000213514
6084	9.36447E-05	9.86363E-05	2.98339E-05	8.00315E-05	0.000198975	9.40628E-05	9.85081E-05	2.34498E-05	8.00315E-05	0.000200842
6085	9.71667E-05	0.0001024	3.02692E-05	8.3234E-05	0.000197372	9.76942E-05	0.000102352	2.36985E-05	8.3234E-05	0.000199129
6086	0.000101392	0.000106975	3.00229E-05	8.78931E-05	0.000194069	0.000102338	0.000107322	2.31602E-05	8.78931E-05	0.000195595
6087	0.000107491	0.0001135	3.06641E-05	9.36717E-05	0.000201746	0.000108702	0.00011407	2.34441E-05	9.36717E-05	0.000201698
6088	0.0001171	0.000123703	3.26922E-05	0.000101334	0.000194615	0.000118241	0.000124106	2.50766E-05	0.000101334	0.000194073
6089	0.000124865	0.000131904	3.48769E-05	0.000109118	0.000189652	0.000126403	0.000132691	2.65273E-05	0.000109118	0.000188759
6090	0.000128924	0.000135871	4.01021E-05	0.00011032	0.000185995	0.000129591	0.000135771	3.14171E-05	0.00011032	0.000184832
6091	0.000134454	0.000141158	4.87463E-05	0.000108905	0.000154506	0.00013293	0.000138777	4.00448E-05	0.000108905	0.000155363
6092	0.000130226	0.000136335	5.21239E-05	0.000102536	0.000123672	0.000127605	0.00013289	4.36471E-05	0.000102536	0.000126726
6093	0.000121064	0.000126585	5.04825E-05	9.26764E-05	0.000104115	0.00011771	0.000122431	4.27178E-05	9.26764E-05	0.000107913
6094	0.000110077	0.000115196	4.46404E-05	8.07503E-05	8.67853E-05	0.000105988	0.000110275	3.78892E-05	8.07503E-05	9.16117E-05
6095	9.50392E-05	9.95827E-05	3.69561E-05	7.06754E-05	8.42911E-05	9.18734E-05	9.57033E-05	3.10369E-05	7.06754E-05	8.89367E-05
6096	8.31531E-05	8.7438E-05	2.83748E-05	6.39684E-05	8.28046E-05	8.1227E-05	8.48806E-05	2.31909E-05	6.39684E-05	8.73375E-05
6097	7.26211E-05	7.67059E-05	2.04024E-05	5.81117E-05	8.21827E-05	7.18386E-05	7.536E-05	1.59026E-05	5.81117E-05	8.66718E-05
6098	6.7143E-05	7.10896E-05	1.6691E-05	5.52289E-05	8.47737E-05	6.69826E-05	7.04155E-05	1.24521E-05	5.52289E-05	8.94295E-05
6099	6.62343E-05	7.02059E-05	1.54615E-05	5.55177E-05	8.99099E-05	6.64412E-05	6.99196E-05	1.11871E-05	5.55177E-05	9.49124E-05
6100	6.91557E-05	7.33366E-05	1.57088E-05	5.9219E-05	9.7201E-05	6.9776E-05	7.34716E-05	1.10728E-05	5.9219E-05	0.000102704
6101	7.64483E-05	8.10273E-05	1.79118E-05	6.5502E-05	0.000106474	7.71227E-05	8.1173E-05	1.27844E-05	6.5502E-05	0.000112621
6102	8.32486E-05	8.81226E-05	2.09399E-05	7.05148E-05	0.000111796	8.36668E-05	8.79644E-05	1.54004E-05	7.05148E-05	0.000118188
6103	8.6361E-05	9.11872E-05	2.46635E-05	7.22641E-05	0.000207069	8.63873E-05	9.0636E-05	1.88985E-05	7.22641E-05	0.000207457
6104	8.21068E-05	8.64923E-05	2.60431E-05	7.13974E-05	0.000210153	8.28512E-05	8.67953E-05	2.02001E-05	7.13974E-05	0.00021065
6105	8.28877E-05	8.726E-05	2.69939E-05	7.16067E-05	0.000211828	8.34607E-05	8.73866E-05	2.10986E-05	7.16067E-05	0.000212462
6106	8.8018E-05	9.26492E-05	2.88133E-05	7.55319E-05	0.000211981	8.84651E-05	9.26089E-05	2.26406E-05	7.55319E-05	0.000212639
6107	9.24309E-05	9.729E-05	3.03131E-05	7.89232E-05	0.000212795	9.27776E-05	9.71132E-05	2.39076E-05	7.89232E-05	0.000213514
6108	9.36447E-05	9.86363E-05	2.98339E-05	8.00315E-05	0.000198975	9.40628E-05	9.85081E-05	2.34498E-05	8.00315E-05	0.000200842
6109	9.71667E-05	0.0001024	3.02692E-05	8.3234E-05	0.000197372	9.76942E-05	0.000102352	2.36985E-05	8.3234E-05	0.000199129
6110	0.000101392	0.000106975	3.00229E-05	8.78931E-05	0.000194069	0.000102338	0.000107322	2.31602E-05	8.78931E-05	0.000195595
6111	0.000107491	0.0001135	3.06641E-05	9.36717E-05	0.000201746	0.000108702	0.00011407	2.34441E-05	9.36717E-05	0.000201698
6112	0.0001171	0.000123703	3.26922E-05	0.000101334	0.000194615	0.000118241	0.000124106	2.50766E-05	0.000101334	0.000194073
6113	0.000124865	0.000131904	3.48769E-05	0.000109118	0.000189652	0.000126403	0.000132691	2.65273E-05	0.000109118	0.000188759
6114	0.000128924	0.000135871	4.01021E-05	0.00011032	0.000185995	0.000129591	0.000135771	3.14171E-05	0.00011032	0.000184832
6115	0.000134454	0.000141158	4.87463E-05	0.000108905	0.000154506	0.00013293	0.000138777	4.00448E-05	0.000108905	0.000155363
6116	0.000130226	0.000136335	5.21239E-05	0.000102536	0.000123672	0.000127605	0.00013289	4.36471E-05	0.000102536	0.000126726
6117	0.000121064	0.000126585	5.04825E-05	9.26764E-05	0.000104115	0.00011771	0.000122431	4.27178E-05	9.26764E-05	0.000107913
6118	0.000110077	0.000115196	4.46404E-05	8.07503E-05	8.67853E-05	0.000105988	0.000110275	3.78892E-05	8.07503E-05	9.16117E-05
6119	9.50392E-05	9.95827E-05	3.69561E-05	7.06754E-05	8.42911E-05	9.18734E-05	9.57033E-05	3.10369E-05	7.06754E-05	8.89367E-05
6120	8.31531E-05	8.7438E-05	2.83748E-05	6.39684E-05	8.28046E-05	8.1227E-05	8.48806E-05	2.31909E-05	6.39684E-05	8.73375E-05
6121	7.13678E-05	7.53696E-05	2.02102E-05	5.69909E-05	8.26239E-05	7.05541E-05	7.40024E-05	1.57779E-05	5.69909E-05	8.71374E-05
6122	6.7324E-05	7.12823E-05	1.6722E-05	5.54176E-05	8.43214E-05	6.71761E-05	7.06202E-05	1.24673E-05	5.54176E-05	8.8948E-05
6123	6.63688E-05	7.03495E-05	1.54798E-05	5.5619E-05	8.94794E-05	6.65734E-05	7.00592E-05	1.12025E-05	5.5619E-05	9.44539E-05
6124	6.91388E-05	7.33189E-05	1.57021E-05	5.917E-05	9.66098E-05	6.97486E-05	7.34424E-05	1.10747E-05	5.917E-05	0.000102073
6125	7.61987E-05	8.07618E-05	1.78643E-05	6.52035E-05	0.000105607	7.68444E-05	8.08783E-05	1.27676E-05	6.52035E-05	0.000111696
6126	8.32269E-05	8.81003E-05	2.09253E-05	7.04034E-05	0.000110607	8.36172E-05	8.79112E-05	1.54081E-05	7.04034E-05	0.000116918
6127	8.50438E-05	8.97679E-05	2.46519E-05	7.23091E-05	0.000205691	8.54119E-05	8.96E-05	1.88859E-05	7.23091E-05	0.000205984
6128	8.27688E-05	8.71977E-05	2.61494E-05	7.20283E-05	0.000208412	8.35413E-05	8.75249E-05	2.02618E-05	7.20283E-05	0.000208787
6129	8.36077E-05	8.80273E-05	2.71072E-05	7.22741E-05	0.000209908	8.42055E-05	8.8174E-05	2.11677E-05	7.22741E-05	0.000210407
6130	8.80341E-05	9.26665E-05	2.88145E-05	7.55362E-05	0.000210098	8.84785E-05	9.26231E-05	2.26433E-05	7.55362E-05	0.00021062
6131	9.15215E-05	9.63208E-05	3.01681E-05	7.80654E-05	0.000210854	9.18322E-05	9.61137E-05	2.38219E-05	7.80654E-05	0.000211431
6132	9.21992E-05	9.70961E-05	2.95978E-05	7.86216E-05	0.00019698	9.25463E-05	9.69045E-05	2.33185E-05	7.86216E-05	0.000198702
6133	9.52322E-05	0.000100338	2.99581E-05	8.13863E-05	0.000195594	9.56764E-05	0.000100219	2.35187E-05	8.13863E-05	0.000197222
6134	9.89188E-05	0.000104338	2.96417E-05	8.5666E-05	0.000192087	9.97983E-05	0.000104638	2.29157E-05	8.5666E-05	0.000193468
6135	0.000104472	0.000110282	3.01999E-05	9.09632E-05	0.00019988	0.000105606	0.000110797	2.31447E-05	9.09632E-05	0.000199696
6136	0.000112982	0.000119311	3.20724E-05	9.77483E-05	0.000192711	0.000114049	0.000119677	2.46564E-05	9.77483E-05	0.000192031
6137	0.000120389	0.000127135	3.415E-05	0.000104785	0.000187662	0.000121718	0.000127736	2.61173E-05	0.000104785	0.000186623
6138	0.000125101	0.0001318	3.94694E-05	0.000106523	0.000183953	0.000125561	0.000131509	3.10775E-05	0.000106523	0.000182645
6139	0.000131128	0.000137614	4.82139E-05	0.000105749	0.000152449	0.000129467	0.000135116	3.97333E-05	0.000105749	0.00015316
6140	0.000127455	0.000133381	5.16972E-05	0.000100044	0.000121698	0.000124761	0.000129885	4.33729E-05	0.000100044	0.000124612
6141	0.000120304	0.000125789	5.01764E-05	9.07809E-05	0.000102561	0.000116559	0.000121219	4.2523E-05	9.07809E-05	0.000106248
6142	0.000108414	0.000113422	4.43907E-05	7.93075E-05	8.56337E-05	0.000104296	0.000108487	3.77188E-05	7.93075E-05	9.03759E-05
6143	9.36681E-05	9.81217E-05	3.67343E-05	6.93558E-05	8.32533E-05	9.04403E-05	9.41879E-05	3.09105E-05	6.93558E-05	8.78226E-05
6144	8.21642E-05	8.63843E-05	2.82144E-05	6.30133E-05	8.20603E-05	8.01924E-05	8.37866E-05	2.31001E-05	6.30133E-05	8.65382E-05
6145	7.13678E-05	7.53696E-05	2.02102E-05	5.69909E-05	8.26239E-05	7.05541E-05	7.40024E-05	1.57779E-05	5.69909E-05	8.71374E-05
6146	6.7324E-05	7.12823E-05	1.6722E-05	5.54176E-05	8.43214E-05	6.71761E-05	7.06202E-05	1.24673E-05	5.54176E-05	8.8948E-05
6147	6.63688E-05	7.03495E-05	1.54798E-05	5.5619E-05	8.94794E-05	6.65734E-05	7.00592E-05	1.12025E-05	5.5619E-05	9.44539E-05

6148	6.91388E-05	7.33189E-05	1.57021E-05	5.917E-05	9.66098E-05	6.97486E-05	7.34424E-05	1.10747E-05	5.917E-05	0.000102073
6149	7.61987E-05	8.07618E-05	1.78643E-05	6.52035E-05	0.000105607	7.68444E-05	8.08783E-05	1.27676E-05	6.52035E-05	0.000111696
6150	8.32269E-05	8.81003E-05	2.09253E-05	7.04034E-05	0.000110607	8.36172E-05	8.79112E-05	1.54081E-05	7.04034E-05	0.000116918
6151	8.50438E-05	8.97679E-05	2.46519E-05	7.23091E-05	0.000205691	8.54119E-05	8.96E-05	1.88859E-05	7.23091E-05	0.000205984
6152	8.27688E-05	8.71977E-05	2.61494E-05	7.20283E-05	0.000208412	8.35413E-05	8.75249E-05	2.02618E-05	7.20283E-05	0.000208787
6153	8.36077E-05	8.80273E-05	2.71072E-05	7.22741E-05	0.000209908	8.42055E-05	8.8174E-05	2.11677E-05	7.22741E-05	0.000210407
6154	8.80341E-05	9.26665E-05	2.88145E-05	7.55362E-05	0.000210098	8.84785E-05	9.26231E-05	2.26433E-05	7.55362E-05	0.00021062
6155	9.15215E-05	9.63208E-05	3.01681E-05	7.80654E-05	0.000210854	9.18322E-05	9.61137E-05	2.38219E-05	7.80654E-05	0.000211431
6156	9.21992E-05	9.70961E-05	2.95978E-05	7.86216E-05	0.00019698	9.25463E-05	9.69045E-05	2.33185E-05	7.86216E-05	0.000198702
6157	9.52322E-05	0.000100338	2.99581E-05	8.13863E-05	0.000195594	9.56764E-05	0.000100219	2.35187E-05	8.13863E-05	0.000197222
6158	9.89188E-05	0.000104338	2.96417E-05	8.5666E-05	0.000192087	9.97983E-05	0.000104638	2.29157E-05	8.5666E-05	0.000193468
6159	0.000104472	0.000110282	3.01999E-05	9.09632E-05	0.00019988	0.000105606	0.000110797	2.31447E-05	9.09632E-05	0.000199696
6160	0.000112982	0.000119311	3.20724E-05	9.77483E-05	0.000192711	0.000114049	0.000119677	2.46564E-05	9.77483E-05	0.000192031
6161	0.000120389	0.000127135	3.415E-05	0.000104785	0.000187662	0.000121718	0.000127736	2.61173E-05	0.000104785	0.000186623
6162	0.000125101	0.0001318	3.94694E-05	0.000106523	0.000183953	0.000125561	0.000131509	3.10775E-05	0.000106523	0.000182645
6163	0.000131128	0.000137614	4.82139E-05	0.000105749	0.000152449	0.000129467	0.000135116	3.97333E-05	0.000105749	0.00015316
6164	0.000127455	0.000133381	5.16972E-05	0.000100044	0.000121698	0.000124761	0.000129885	4.33729E-05	0.000100044	0.000124612
6165	0.000120304	0.000125789	5.01764E-05	9.07809E-05	0.000102561	0.000116559	0.000121219	4.2523E-05	9.07809E-05	0.000106248
6166	0.000108414	0.000113422	4.43907E-05	7.93075E-05	8.56337E-05	0.000104296	0.000108487	3.77188E-05	7.93075E-05	9.03759E-05
6167	9.36681E-05	9.81217E-05	3.67343E-05	6.93558E-05	8.32533E-05	9.04403E-05	9.41879E-05	3.09105E-05	6.93558E-05	8.78226E-05
6168	8.21642E-05	8.63843E-05	2.82144E-05	6.30133E-05	8.20603E-05	8.01924E-05	8.37866E-05	2.31001E-05	6.30133E-05	8.65382E-05
6169	7.13678E-05	7.53696E-05	2.02102E-05	5.69909E-05	8.26239E-05	7.05541E-05	7.40024E-05	1.57779E-05	5.69909E-05	8.71374E-05
6170	6.7324E-05	7.12823E-05	1.6722E-05	5.54176E-05	8.43214E-05	6.71761E-05	7.06202E-05	1.24673E-05	5.54176E-05	8.8948E-05
6171	6.63688E-05	7.03495E-05	1.54798E-05	5.5619E-05	8.94794E-05	6.65734E-05	7.00592E-05	1.12025E-05	5.5619E-05	9.44539E-05
6172	6.91388E-05	7.33189E-05	1.57021E-05	5.917E-05	9.66098E-05	6.97486E-05	7.34424E-05	1.10747E-05	5.917E-05	0.000102073
6173	7.61987E-05	8.07618E-05	1.78643E-05	6.52035E-05	0.000105607	7.68444E-05	8.08783E-05	1.27676E-05	6.52035E-05	0.000111696
6174	8.32269E-05	8.81003E-05	2.09253E-05	7.04034E-05	0.000110607	8.36172E-05	8.79112E-05	1.54081E-05	7.04034E-05	0.000116918
6175	8.50438E-05	8.97679E-05	2.46519E-05	7.23091E-05	0.000205691	8.54119E-05	8.96E-05	1.88859E-05	7.23091E-05	0.000205984
6176	8.27688E-05	8.71977E-05	2.61494E-05	7.20283E-05	0.000208412	8.35413E-05	8.75249E-05	2.02618E-05	7.20283E-05	0.000208787
6177	8.36077E-05	8.80273E-05	2.71072E-05	7.22741E-05	0.000209908	8.42055E-05	8.8174E-05	2.11677E-05	7.22741E-05	0.000210407
6178	8.80341E-05	9.26665E-05	2.88145E-05	7.55362E-05	0.000210098	8.84785E-05	9.26231E-05	2.26433E-05	7.55362E-05	0.00021062
6179	9.15215E-05	9.63208E-05	3.01681E-05	7.80654E-05	0.000210854	9.18322E-05	9.61137E-05	2.38219E-05	7.80654E-05	0.000211431
6180	9.21992E-05	9.70961E-05	2.95978E-05	7.86216E-05	0.00019698	9.25463E-05	9.69045E-05	2.33185E-05	7.86216E-05	0.000198702
6181	9.52322E-05	0.000100338	2.99581E-05	8.13863E-05	0.000195594	9.56764E-05	0.000100219	2.35187E-05	8.13863E-05	0.000197222
6182	9.89188E-05	0.000104338	2.96417E-05	8.5666E-05	0.000192087	9.97983E-05	0.000104638	2.29157E-05	8.5666E-05	0.000193468
6183	0.000104472	0.000110282	3.01999E-05	9.09632E-05	0.00019988	0.000105606	0.000110797	2.31447E-05	9.09632E-05	0.000199696
6184	0.000112982	0.000119311	3.20724E-05	9.77483E-05	0.000192711	0.000114049	0.000119677	2.46564E-05	9.77483E-05	0.000192031
6185	0.000120389	0.000127135	3.415E-05	0.000104785	0.000187662	0.000121718	0.000127736	2.61173E-05	0.000104785	0.000186623
6186	0.000125101	0.0001318	3.94694E-05	0.000106523	0.000183953	0.000125561	0.000131509	3.10775E-05	0.000106523	0.000182645
6187	0.000131128	0.000137614	4.82139E-05	0.000105749	0.000152449	0.000129467	0.000135116	3.97333E-05	0.000105749	0.00015316
6188	0.000127455	0.000133381	5.16972E-05	0.000100044	0.000121698	0.000124761	0.000129885	4.33729E-05	0.000100044	0.000124612
6189	0.000120304	0.000125789	5.01764E-05	9.07809E-05	0.000102561	0.000116559	0.000121219	4.2523E-05	9.07809E-05	0.000106248
6190	0.000108414	0.000113422	4.43907E-05	7.93075E-05	8.56337E-05	0.000104296	0.000108487	3.77188E-05	7.93075E-05	9.03759E-05
6191	9.36681E-05	9.81217E-05	3.67343E-05	6.93558E-05	8.32533E-05	9.04403E-05	9.41879E-05	3.09105E-05	6.93558E-05	8.78226E-05
6192	8.21642E-05	8.63843E-05	2.82144E-05	6.30133E-05	8.20603E-05	8.01924E-05	8.37866E-05	2.31001E-05	6.30133E-05	8.65382E-05
6193	7.13678E-05	7.53696E-05	2.02102E-05	5.69909E-05	8.26239E-05	7.05541E-05	7.40024E-05	1.57779E-05	5.69909E-05	8.71374E-05
6194	6.7324E-05	7.12823E-05	1.6722E-05	5.54176E-05	8.43214E-05	6.71761E-05	7.06202E-05	1.24673E-05	5.54176E-05	8.8948E-05
6195	6.63688E-05	7.03495E-05	1.54798E-05	5.5619E-05	8.94794E-05	6.65734E-05	7.00592E-05	1.12025E-05	5.5619E-05	9.44539E-05
6196	6.91388E-05	7.33189E-05	1.57021E-05	5.917E-05	9.66098E-05	6.97486E-05	7.34424E-05	1.10747E-05	5.917E-05	0.000102073
6197	7.61987E-05	8.07618E-05	1.78643E-05	6.52035E-05	0.000105607	7.68444E-05	8.08783E-05	1.27676E-05	6.52035E-05	0.000111696
6198	8.32269E-05	8.81003E-05	2.09253E-05	7.04034E-05	0.000110607	8.36172E-05	8.79112E-05	1.54081E-05	7.04034E-05	0.000116918
6199	8.50438E-05	8.97679E-05	2.46519E-05	7.23091E-05	0.000205691	8.54119E-05	8.96E-05	1.88859E-05	7.23091E-05	0.000205984
6200	8.27688E-05	8.71977E-05	2.61494E-05	7.20283E-05	0.000208412	8.35413E-05	8.75249E-05	2.02618E-05	7.20283E-05	0.000208787
6201	8.36077E-05	8.80273E-05	2.71072E-05	7.22741E-05	0.000209908	8.42055E-05	8.8174E-05	2.11677E-05	7.22741E-05	0.000210407
6202	8.80341E-05	9.26665E-05	2.88145E-05	7.55362E-05	0.000210098	8.84785E-05	9.26231E-05	2.26433E-05	7.55362E-05	0.00021062
6203	9.15215E-05	9.63208E-05	3.01681E-05	7.80654E-05	0.000210854	9.18322E-05	9.61137E-05	2.38219E-05	7.80654E-05	0.000211431
6204	9.21992E-05	9.70961E-05	2.95978E-05	7.86216E-05	0.00019698	9.25463E-05	9.69045E-05	2.33185E-05	7.86216E-05	0.000198702
6205	9.52322E-05	0.000100338	2.99581E-05	8.13863E-05	0.000195594	9.56764E-05	0.000100219	2.35187E-05	8.13863E-05	0.000197222
6206	9.89188E-05	0.000104338	2.96417E-05	8.5666E-05	0.000192087	9.97983E-05	0.000104638	2.29157E-05	8.5666E-05	0.000193468
6207	0.000104472	0.000110282	3.01999E-05	9.09632E-05	0.00019988	0.000105606	0.000110797	2.31447E-05	9.09632E-05	0.000199696
6208	0.000112982	0.000119311	3.20724E-05	9.77483E-05	0.000192711	0.000114049	0.000119677	2.46564E-05	9.77483E-05	0.000192031
6209	0.000120389	0.000127135	3.415E-05	0.000104785	0.000187662	0.000121718	0.000127736	2.61173E-05	0.000104785	0.000186623
6210	0.000125101	0.0001318	3.94694E-05	0.000106523	0.000183953	0.000125561	0.000131509	3.10775E-05	0.000106523	0.000182645
6211	0.000131128	0.000137614	4.82139E-05	0.000105749	0.000152449	0.000129467	0.000135116	3.97333E-05	0.000105749	0.00015316
6212	0.000127455	0.000133381	5.16972E-05	0.000100044	0.000121698	0.000124761	0.000129885	4.33729E-05	0.000100044	0.000124612
6213	0.000120304	0.000125789	5.01764E-05	9.07809E-05	0.000102561	0.000116559	0.000121219	4.2523E-05	9.07809E-05	0.000106248
6214	0.000108414	0.000113422	4.43907E-05	7.93075E-05	8.56337E-05	0.000104296	0.000108487	3.77188E-05	7.93075E-05	9.03759E-05
6215	9.36681E-05	9.81217E-05	3.67343E-05	6.93558E-05	8.32533E-05	9.04403E-05	9.41879E-05	3.09105E-05	6.93558E-05	8.78226E-05
6216	8.21642E-05	8.63843E-05	2.82144E-05	6.30133E-05	8.20603E-05	8.01924E-05	8.37866E-05	2.31001E-05	6.30133E-05	8.65382E-05
6217	7.13678E-05	7.53696E-05	2.02102E-05	5.69909E-05	8.26239E-05	7.05541E-05	7.40024E-05	1.57779E-05	5.69909E-05	8.71374E-05
6218	6.7324E-05	7.12823E-05	1.6722E-05	5.54176E-05	8.43214E-05	6.71761E-05	7.06202E-05	1.24673E-05	5.54176E-05	8.8948E-05
6219	6.63688E-05	7.03495E-05	1.54798E-05	5.5619E-05	8.94794E-05	6.65734E-05	7.00592E-05	1.12025E-05	5.5619E-05	9.44539E-05
6220	6.91388E-05	7.33189E-05	1.57021E-05	5.917E-05	9.66098E-05	6.97486E-05	7.34424E-05	1.10747E-05	5.917E-05	0.000102073
6221	7.61987E-05	8.07618E-05	1.78643E-05	6.52035E-05	0.000105607	7.68444E-05	8.08783E-05	1.27676E-05	6.52035E-05	0.000111696
6222	8.32269E-05	8.81003E-05	2.09253E-05	7.04034E-05	0.000110607	8.36172E-05	8.79112E-05	1.54081E-05	7.04034E-05	0.000116918
6223	8.50438E-05	8.97679E-05	2.46519E-05	7.23091E-05	0.000205691	8.54119E-05	8.96E-05	1.88859E-05	7.23091E-05	0.000205984

6224	8.27688E-05	8.71977E-05	2.61494E-05	7.20283E-05	0.000208412	8.35413E-05	8.75249E-05	2.02618E-05	7.20283E-05	0.000208787
6225	8.36077E-05	8.80273E-05	2.71072E-05	7.22741E-05	0.000209908	8.42055E-05	8.8174E-05	2.11677E-05	7.22741E-05	0.000210407
6226	8.80341E-05	9.26665E-05	2.88145E-05	7.55362E-05	0.000210098	8.84785E-05	9.26231E-05	2.26433E-05	7.55362E-05	0.00021062
6227	9.15215E-05	9.63208E-05	3.01681E-05	7.80654E-05	0.000210854	9.18322E-05	9.61137E-05	2.38219E-05	7.80654E-05	0.000211431
6228	9.21992E-05	9.70961E-05	2.95978E-05	7.86216E-05	0.00019698	9.25463E-05	9.69045E-05	2.33185E-05	7.86216E-05	0.000198702
6229	9.52322E-05	0.000100338	2.99581E-05	8.13863E-05	0.000195594	9.56764E-05	0.000100219	2.35187E-05	8.13863E-05	0.000197222
6230	9.89188E-05	0.000104338	2.96417E-05	8.5666E-05	0.000192087	9.97983E-05	0.000104638	2.29157E-05	8.5666E-05	0.000193468
6231	0.000104472	0.000110282	3.01999E-05	9.09632E-05	0.00019988	0.000105606	0.000110797	2.31447E-05	9.09632E-05	0.000199696
6232	0.000112982	0.000119311	3.20724E-05	9.77483E-05	0.000192711	0.000114049	0.000119677	2.46564E-05	9.77483E-05	0.000192031
6233	0.000120389	0.000127135	3.415E-05	0.000104785	0.000187662	0.000121718	0.000127736	2.61173E-05	0.000104785	0.000186623
6234	0.000125101	0.0001318	3.94694E-05	0.000106523	0.000183953	0.000125561	0.000131509	3.10775E-05	0.000106523	0.000182645
6235	0.000131128	0.000137614	4.82139E-05	0.000105749	0.000152449	0.000129467	0.000135116	3.97333E-05	0.000105749	0.00015316
6236	0.000127455	0.000133381	5.16972E-05	0.000100044	0.000121698	0.000124761	0.000129885	4.33729E-05	0.000100044	0.000124612
6237	0.000120304	0.000125789	5.01764E-05	9.07809E-05	0.000102561	0.000116559	0.000121219	4.2523E-05	9.07809E-05	0.000106248
6238	0.000108414	0.000113422	4.43907E-05	7.93075E-05	8.56337E-05	0.000104296	0.000108487	3.77188E-05	7.93075E-05	9.03759E-05
6239	9.36681E-05	9.81217E-05	3.67343E-05	6.93558E-05	8.32533E-05	9.04403E-05	9.41879E-05	3.09105E-05	6.93558E-05	8.78226E-05
6240	8.21642E-05	8.63843E-05	2.82144E-05	6.30133E-05	8.20603E-05	8.01924E-05	8.37866E-05	2.31001E-05	6.30133E-05	8.65382E-05
6241	7.26211E-05	7.67059E-05	2.04024E-05	5.81117E-05	8.21827E-05	7.18386E-05	7.536E-05	1.59026E-05	5.81117E-05	8.66718E-05
6242	6.7143E-05	7.10896E-05	1.6691E-05	5.52289E-05	8.47737E-05	6.69826E-05	7.04155E-05	1.24521E-05	5.52289E-05	8.94295E-05
6243	6.62343E-05	7.02059E-05	1.54615E-05	5.55177E-05	8.99099E-05	6.64412E-05	6.99196E-05	1.11871E-05	5.55177E-05	9.49124E-05
6244	6.91557E-05	7.33366E-05	1.57088E-05	5.9219E-05	9.7201E-05	6.9776E-05	7.34716E-05	1.10728E-05	5.9219E-05	0.000102704
6245	7.64483E-05	8.10273E-05	1.79118E-05	6.5502E-05	0.000106474	7.71227E-05	8.1173E-05	1.27844E-05	6.5502E-05	0.000112621
6246	8.32486E-05	8.81226E-05	2.09399E-05	7.05148E-05	0.000111796	8.36668E-05	8.79644E-05	1.54004E-05	7.05148E-05	0.000118188
6247	8.6361E-05	9.11872E-05	2.46635E-05	7.22641E-05	0.000207069	8.63873E-05	9.0636E-05	1.88985E-05	7.22641E-05	0.000207457
6248	8.21068E-05	8.64923E-05	2.60431E-05	7.13974E-05	0.000210153	8.28512E-05	8.67953E-05	2.02001E-05	7.13974E-05	0.00021065
6249	8.28877E-05	8.726E-05	2.69939E-05	7.16067E-05	0.000211828	8.34607E-05	8.73866E-05	2.10986E-05	7.16067E-05	0.000212462
6250	8.8018E-05	9.26492E-05	2.88133E-05	7.55319E-05	0.000211981	8.84651E-05	9.26089E-05	2.26406E-05	7.55319E-05	0.000212639
6251	9.24309E-05	9.729E-05	3.03131E-05	7.89232E-05	0.000212795	9.27776E-05	9.71132E-05	2.39076E-05	7.89232E-05	0.000213514
6252	9.36447E-05	9.86363E-05	2.98339E-05	8.00315E-05	0.000198975	9.40628E-05	9.85081E-05	2.34498E-05	8.00315E-05	0.000200842
6253	9.71667E-05	0.0001024	3.02692E-05	8.3234E-05	0.000197372	9.76942E-05	0.000102352	2.36985E-05	8.3234E-05	0.000199129
6254	0.000101392	0.000106975	3.00229E-05	8.78931E-05	0.000194069	0.000102338	0.000107322	2.31602E-05	8.78931E-05	0.000195595
6255	0.000107491	0.0001135	3.06641E-05	9.36717E-05	0.000201746	0.000108702	0.00011407	2.34441E-05	9.36717E-05	0.000201698
6256	0.0001171	0.000123703	3.26922E-05	0.000101334	0.000194615	0.000118241	0.000124106	2.50766E-05	0.000101334	0.000194073
6257	0.000124865	0.000131904	3.48769E-05	0.000109118	0.000189652	0.000126403	0.000132691	2.65273E-05	0.000109118	0.000188759
6258	0.000128924	0.000135871	4.01021E-05	0.00011032	0.000185995	0.000129591	0.000135771	3.14171E-05	0.00011032	0.000184832
6259	0.000134454	0.000141158	4.87463E-05	0.000108905	0.000154506	0.00013293	0.000138777	4.00448E-05	0.000108905	0.000155363
6260	0.000130226	0.000136335	5.21239E-05	0.000102536	0.000123672	0.000127605	0.00013289	4.36471E-05	0.000102536	0.000126726
6261	0.000121064	0.000126585	5.04825E-05	9.26764E-05	0.000104115	0.00011771	0.000122431	4.27178E-05	9.26764E-05	0.000107913
6262	0.000110077	0.000115196	4.46404E-05	8.07503E-05	8.67853E-05	0.000105988	0.000110275	3.78892E-05	8.07503E-05	9.16117E-05
6263	9.50392E-05	9.95827E-05	3.69561E-05	7.06754E-05	8.42911E-05	9.18734E-05	9.57033E-05	3.10369E-05	7.06754E-05	8.89367E-05
6264	8.31531E-05	8.7438E-05	2.83748E-05	6.39684E-05	8.28046E-05	8.1227E-05	8.48806E-05	2.31909E-05	6.39684E-05	8.73375E-05
6265	7.26211E-05	7.67059E-05	2.04024E-05	5.81117E-05	8.21827E-05	7.18386E-05	7.536E-05	1.59026E-05	5.81117E-05	8.66718E-05
6266	6.7143E-05	7.10896E-05	1.6691E-05	5.52289E-05	8.47737E-05	6.69826E-05	7.04155E-05	1.24521E-05	5.52289E-05	8.94295E-05
6267	6.62343E-05	7.02059E-05	1.54615E-05	5.55177E-05	8.99099E-05	6.64412E-05	6.99196E-05	1.11871E-05	5.55177E-05	9.49124E-05
6268	6.91557E-05	7.33366E-05	1.57088E-05	5.9219E-05	9.7201E-05	6.9776E-05	7.34716E-05	1.10728E-05	5.9219E-05	0.000102704
6269	7.64483E-05	8.10273E-05	1.79118E-05	6.5502E-05	0.000106474	7.71227E-05	8.1173E-05	1.27844E-05	6.5502E-05	0.000112621
6270	8.32486E-05	8.81226E-05	2.09399E-05	7.05148E-05	0.000111796	8.36668E-05	8.79644E-05	1.54004E-05	7.05148E-05	0.000118188
6271	8.6361E-05	9.11872E-05	2.46635E-05	7.22641E-05	0.000207069	8.63873E-05	9.0636E-05	1.88985E-05	7.22641E-05	0.000207457
6272	8.21068E-05	8.64923E-05	2.60431E-05	7.13974E-05	0.000210153	8.28512E-05	8.67953E-05	2.02001E-05	7.13974E-05	0.00021065
6273	8.28877E-05	8.726E-05	2.69939E-05	7.16067E-05	0.000211828	8.34607E-05	8.73866E-05	2.10986E-05	7.16067E-05	0.000212462
6274	8.8018E-05	9.26492E-05	2.88133E-05	7.55319E-05	0.000211981	8.84651E-05	9.26089E-05	2.26406E-05	7.55319E-05	0.000212639
6275	9.24309E-05	9.729E-05	3.03131E-05	7.89232E-05	0.000212795	9.27776E-05	9.71132E-05	2.39076E-05	7.89232E-05	0.000213514
6276	9.36447E-05	9.86363E-05	2.98339E-05	8.00315E-05	0.000198975	9.40628E-05	9.85081E-05	2.34498E-05	8.00315E-05	0.000200842
6277	9.71667E-05	0.0001024	3.02692E-05	8.3234E-05	0.000197372	9.76942E-05	0.000102352	2.36985E-05	8.3234E-05	0.000199129
6278	0.000101392	0.000106975	3.00229E-05	8.78931E-05	0.000194069	0.000102338	0.000107322	2.31602E-05	8.78931E-05	0.000195595
6279	0.000107491	0.0001135	3.06641E-05	9.36717E-05	0.000201746	0.000108702	0.00011407	2.34441E-05	9.36717E-05	0.000201698
6280	0.0001171	0.000123703	3.26922E-05	0.000101334	0.000194615	0.000118241	0.000124106	2.50766E-05	0.000101334	0.000194073
6281	0.000124865	0.000131904	3.48769E-05	0.000109118	0.000189652	0.000126403	0.000132691	2.65273E-05	0.000109118	0.000188759
6282	0.000128924	0.000135871	4.01021E-05	0.00011032	0.000185995	0.000129591	0.000135771	3.14171E-05	0.00011032	0.000184832
6283	0.000134454	0.000141158	4.87463E-05	0.000108905	0.000154506	0.00013293	0.000138777	4.00448E-05	0.000108905	0.000155363
6284	0.000130226	0.000136335	5.21239E-05	0.000102536	0.000123672	0.000127605	0.00013289	4.36471E-05	0.000102536	0.000126726
6285	0.000121064	0.000126585	5.04825E-05	9.26764E-05	0.000104115	0.00011771	0.000122431	4.27178E-05	9.26764E-05	0.000107913
6286	0.000110077	0.000115196	4.46404E-05	8.07503E-05	8.67853E-05	0.000105988	0.000110275	3.78892E-05	8.07503E-05	9.16117E-05
6287	9.50392E-05	9.95827E-05	3.69561E-05	7.06754E-05	8.42911E-05	9.18734E-05	9.57033E-05	3.10369E-05	7.06754E-05	8.89367E-05
6288	8.31531E-05	8.7438E-05	2.83748E-05	6.39684E-05	8.28046E-05	8.1227E-05	8.48806E-05	2.31909E-05	6.39684E-05	8.73375E-05
6289	7.13678E-05	7.53696E-05	2.02102E-05	5.69909E-05	8.26239E-05	7.05541E-05	7.40024E-05	1.57779E-05	5.69909E-05	8.71374E-05
6290	6.7324E-05	7.12823E-05	1.6722E-05	5.54176E-05	8.43214E-05	6.71761E-05	7.06202E-05	1.24673E-05	5.54176E-05	8.8948E-05
6291	6.63688E-05	7.03495E-05	1.54798E-05	5.5619E-05	8.94794E-05	6.65734E-05	7.00592E-05	1.12025E-05	5.5619E-05	9.44539E-05
6292	6.91388E-05	7.33189E-05	1.57021E-05	5.917E-05	9.66098E-05	6.97486E-05	7.34424E-05	1.10747E-05	5.917E-05	0.000102073
6293	7.61987E-05	8.07618E-05	1.78643E-05	6.52035E-05	0.000105607	7.68444E-05	8.08783E-05	1.27676E-05	6.52035E-05	0.000111696
6294	8.32269E-05	8.81003E-05	2.09253E-05	7.04034E-05	0.000110607	8.36172E-05	8.79112E-05	1.54081E-05	7.04034E-05	0.000116918
6295	8.50438E-05	8.97679E-05	2.46519E-05	7.23091E-05	0.000205691	8.54119E-05	8.96E-05	1.88859E-05	7.23091E-05	0.000205984
6296	8.27688E-05	8.71977E-05	2.61494E-05	7.20283E-05	0.000208412	8.35413E-05	8.75249E-05	2.02618E-05	7.20283E-05	0.000208787
6297	8.36077E-05	8.80273E-05	2.71072E-05	7.22741E-05	0.000209908	8.42055E-05	8.8174E-05	2.11677E-05	7.22741E-05	0.000210407
6298	8.80341E-05	9.26665E-05	2.88145E-05	7.55362E-05	0.000210098	8.84785E-05	9.26231E-05	2.26433E-05	7.55362E-05	0.00021062
6299	9.15215E-05	9.63208E-05	3.01681E-05	7.80654E-05	0.000210854	9.18322E-05	9.61137E-05	2.38219E-05	7.80654E-05	0.000211431

6300	9.21992E-05	9.70961E-05	2.95978E-05	7.86216E-05	0.00019698	9.25463E-05	9.69045E-05	2.33185E-05	7.86216E-05	0.000198702
6301	9.52322E-05	0.000100338	2.99581E-05	8.13863E-05	0.000195594	9.56764E-05	0.000100219	2.35187E-05	8.13863E-05	0.000197222
6302	9.89188E-05	0.000104338	2.96417E-05	8.5666E-05	0.000192087	9.97983E-05	0.000104638	2.29157E-05	8.5666E-05	0.000193468
6303	0.000104472	0.000110282	3.01999E-05	9.09632E-05	0.00019988	0.000105606	0.000110797	2.31447E-05	9.09632E-05	0.000199696
6304	0.000112982	0.000119311	3.20724E-05	9.77483E-05	0.000192711	0.000114049	0.000119677	2.46564E-05	9.77483E-05	0.000192031
6305	0.000120389	0.000127135	3.415E-05	0.000104785	0.000187662	0.000121718	0.000127736	2.61173E-05	0.000104785	0.000186623
6306	0.000125101	0.0001318	3.94694E-05	0.000106523	0.000183953	0.000125561	0.000131509	3.10775E-05	0.000106523	0.000182645
6307	0.000131128	0.000137614	4.82139E-05	0.000105749	0.000152449	0.000129467	0.000135116	3.97333E-05	0.000105749	0.00015316
6308	0.000127455	0.000133381	5.16972E-05	0.000100044	0.000121698	0.000124761	0.000129885	4.33729E-05	0.000100044	0.000124612
6309	0.000120304	0.000125789	5.01764E-05	9.07809E-05	0.000102561	0.000116559	0.000121219	4.2523E-05	9.07809E-05	0.000106248
6310	0.000108414	0.000113422	4.43907E-05	7.93075E-05	8.56337E-05	0.000104296	0.000108487	3.77188E-05	7.93075E-05	9.03759E-05
6311	9.36681E-05	9.81217E-05	3.67343E-05	6.93558E-05	8.32533E-05	9.04403E-05	9.41879E-05	3.09105E-05	6.93558E-05	8.78226E-05
6312	8.21642E-05	8.63843E-05	2.82144E-05	6.30133E-05	8.20603E-05	8.01924E-05	8.37866E-05	2.31001E-05	6.30133E-05	8.65382E-05
6313	7.13678E-05	7.53696E-05	2.02102E-05	5.69909E-05	8.26239E-05	7.05541E-05	7.40024E-05	1.57779E-05	5.69909E-05	8.71374E-05
6314	6.7324E-05	7.12823E-05	1.6722E-05	5.54176E-05	8.43214E-05	6.71761E-05	7.06202E-05	1.24673E-05	5.54176E-05	8.8948E-05
6315	6.63688E-05	7.03495E-05	1.54798E-05	5.5619E-05	8.94794E-05	6.65734E-05	7.00592E-05	1.12025E-05	5.5619E-05	9.44539E-05
6316	6.91388E-05	7.33189E-05	1.57021E-05	5.917E-05	9.66098E-05	6.97486E-05	7.34424E-05	1.10747E-05	5.917E-05	0.000102073
6317	7.61987E-05	8.07618E-05	1.78643E-05	6.52035E-05	0.000105607	7.68444E-05	8.08783E-05	1.27676E-05	6.52035E-05	0.000111696
6318	8.32269E-05	8.81003E-05	2.09253E-05	7.04034E-05	0.000110607	8.36172E-05	8.79112E-05	1.54081E-05	7.04034E-05	0.000116918
6319	8.50438E-05	8.97679E-05	2.46519E-05	7.23091E-05	0.000205691	8.54119E-05	8.96E-05	1.88859E-05	7.23091E-05	0.000205984
6320	8.27688E-05	8.71977E-05	2.61494E-05	7.20283E-05	0.000208412	8.35413E-05	8.75249E-05	2.02618E-05	7.20283E-05	0.000208787
6321	8.36077E-05	8.80273E-05	2.71072E-05	7.22741E-05	0.000209908	8.42055E-05	8.8174E-05	2.11677E-05	7.22741E-05	0.000210407
6322	8.80341E-05	9.26665E-05	2.88145E-05	7.55362E-05	0.000210098	8.84785E-05	9.26231E-05	2.26433E-05	7.55362E-05	0.00021062
6323	9.15215E-05	9.63208E-05	3.01681E-05	7.80654E-05	0.000210854	9.18322E-05	9.61137E-05	2.38219E-05	7.80654E-05	0.000211431
6324	9.21992E-05	9.70961E-05	2.95978E-05	7.86216E-05	0.00019698	9.25463E-05	9.69045E-05	2.33185E-05	7.86216E-05	0.000198702
6325	9.52322E-05	0.000100338	2.99581E-05	8.13863E-05	0.000195594	9.56764E-05	0.000100219	2.35187E-05	8.13863E-05	0.000197222
6326	9.89188E-05	0.000104338	2.96417E-05	8.5666E-05	0.000192087	9.97983E-05	0.000104638	2.29157E-05	8.5666E-05	0.000193468
6327	0.000104472	0.000110282	3.01999E-05	9.09632E-05	0.00019988	0.000105606	0.000110797	2.31447E-05	9.09632E-05	0.000199696
6328	0.000112982	0.000119311	3.20724E-05	9.77483E-05	0.000192711	0.000114049	0.000119677	2.46564E-05	9.77483E-05	0.000192031
6329	0.000120389	0.000127135	3.415E-05	0.000104785	0.000187662	0.000121718	0.000127736	2.61173E-05	0.000104785	0.000186623
6330	0.000125101	0.0001318	3.94694E-05	0.000106523	0.000183953	0.000125561	0.000131509	3.10775E-05	0.000106523	0.000182645
6331	0.000131128	0.000137614	4.82139E-05	0.000105749	0.000152449	0.000129467	0.000135116	3.97333E-05	0.000105749	0.00015316
6332	0.000127455	0.000133381	5.16972E-05	0.000100044	0.000121698	0.000124761	0.000129885	4.33729E-05	0.000100044	0.000124612
6333	0.000120304	0.000125789	5.01764E-05	9.07809E-05	0.000102561	0.000116559	0.000121219	4.2523E-05	9.07809E-05	0.000106248
6334	0.000108414	0.000113422	4.43907E-05	7.93075E-05	8.56337E-05	0.000104296	0.000108487	3.77188E-05	7.93075E-05	9.03759E-05
6335	9.36681E-05	9.81217E-05	3.67343E-05	6.93558E-05	8.32533E-05	9.04403E-05	9.41879E-05	3.09105E-05	6.93558E-05	8.78226E-05
6336	8.21642E-05	8.63843E-05	2.82144E-05	6.30133E-05	8.20603E-05	8.01924E-05	8.37866E-05	2.31001E-05	6.30133E-05	8.65382E-05
6337	7.13678E-05	7.53696E-05	2.02102E-05	5.69909E-05	8.26239E-05	7.05541E-05	7.40024E-05	1.57779E-05	5.69909E-05	8.71374E-05
6338	6.7324E-05	7.12823E-05	1.6722E-05	5.54176E-05	8.43214E-05	6.71761E-05	7.06202E-05	1.24673E-05	5.54176E-05	8.8948E-05
6339	6.63688E-05	7.03495E-05	1.54798E-05	5.5619E-05	8.94794E-05	6.65734E-05	7.00592E-05	1.12025E-05	5.5619E-05	9.44539E-05
6340	6.91388E-05	7.33189E-05	1.57021E-05	5.917E-05	9.66098E-05	6.97486E-05	7.34424E-05	1.10747E-05	5.917E-05	0.000102073
6341	7.61987E-05	8.07618E-05	1.78643E-05	6.52035E-05	0.000105607	7.68444E-05	8.08783E-05	1.27676E-05	6.52035E-05	0.000111696
6342	8.32269E-05	8.81003E-05	2.09253E-05	7.04034E-05	0.000110607	8.36172E-05	8.79112E-05	1.54081E-05	7.04034E-05	0.000116918
6343	8.50438E-05	8.97679E-05	2.46519E-05	7.23091E-05	0.000205691	8.54119E-05	8.96E-05	1.88859E-05	7.23091E-05	0.000205984
6344	8.27688E-05	8.71977E-05	2.61494E-05	7.20283E-05	0.000208412	8.35413E-05	8.75249E-05	2.02618E-05	7.20283E-05	0.000208787
6345	8.36077E-05	8.80273E-05	2.71072E-05	7.22741E-05	0.000209908	8.42055E-05	8.8174E-05	2.11677E-05	7.22741E-05	0.000210407
6346	8.80341E-05	9.26665E-05	2.88145E-05	7.55362E-05	0.000210098	8.84785E-05	9.26231E-05	2.26433E-05	7.55362E-05	0.00021062
6347	9.15215E-05	9.63208E-05	3.01681E-05	7.80654E-05	0.000210854	9.18322E-05	9.61137E-05	2.38219E-05	7.80654E-05	0.000211431
6348	9.21992E-05	9.70961E-05	2.95978E-05	7.86216E-05	0.00019698	9.25463E-05	9.69045E-05	2.33185E-05	7.86216E-05	0.000198702
6349	9.52322E-05	0.000100338	2.99581E-05	8.13863E-05	0.000195594	9.56764E-05	0.000100219	2.35187E-05	8.13863E-05	0.000197222
6350	9.89188E-05	0.000104338	2.96417E-05	8.5666E-05	0.000192087	9.97983E-05	0.000104638	2.29157E-05	8.5666E-05	0.000193468
6351	0.000104472	0.000110282	3.01999E-05	9.09632E-05	0.00019988	0.000105606	0.000110797	2.31447E-05	9.09632E-05	0.000199696
6352	0.000112982	0.000119311	3.20724E-05	9.77483E-05	0.000192711	0.000114049	0.000119677	2.46564E-05	9.77483E-05	0.000192031
6353	0.000120389	0.000127135	3.415E-05	0.000104785	0.000187662	0.000121718	0.000127736	2.61173E-05	0.000104785	0.000186623
6354	0.000125101	0.0001318	3.94694E-05	0.000106523	0.000183953	0.000125561	0.000131509	3.10775E-05	0.000106523	0.000182645
6355	0.000131128	0.000137614	4.82139E-05	0.000105749	0.000152449	0.000129467	0.000135116	3.97333E-05	0.000105749	0.00015316
6356	0.000127455	0.000133381	5.16972E-05	0.000100044	0.000121698	0.000124761	0.000129885	4.33729E-05	0.000100044	0.000124612
6357	0.000120304	0.000125789	5.01764E-05	9.07809E-05	0.000102561	0.000116559	0.000121219	4.2523E-05	9.07809E-05	0.000106248
6358	0.000108414	0.000113422	4.43907E-05	7.93075E-05	8.56337E-05	0.000104296	0.000108487	3.77188E-05	7.93075E-05	9.03759E-05
6359	9.36681E-05	9.81217E-05	3.67343E-05	6.93558E-05	8.32533E-05	9.04403E-05	9.41879E-05	3.09105E-05	6.93558E-05	8.78226E-05
6360	8.21642E-05	8.63843E-05	2.82144E-05	6.30133E-05	8.20603E-05	8.01924E-05	8.37866E-05	2.31001E-05	6.30133E-05	8.65382E-05
6361	7.13678E-05	7.53696E-05	2.02102E-05	5.69909E-05	8.26239E-05	7.05541E-05	7.40024E-05	1.57779E-05	5.69909E-05	8.71374E-05
6362	6.7324E-05	7.12823E-05	1.6722E-05	5.54176E-05	8.43214E-05	6.71761E-05	7.06202E-05	1.24673E-05	5.54176E-05	8.8948E-05
6363	6.63688E-05	7.03495E-05	1.54798E-05	5.5619E-05	8.94794E-05	6.65734E-05	7.00592E-05	1.12025E-05	5.5619E-05	9.44539E-05
6364	6.91388E-05	7.33189E-05	1.57021E-05	5.917E-05	9.66098E-05	6.97486E-05	7.34424E-05	1.10747E-05	5.917E-05	0.000102073
6365	7.61987E-05	8.07618E-05	1.78643E-05	6.52035E-05	0.000105607	7.68444E-05	8.08783E-05	1.27676E-05	6.52035E-05	0.000111696
6366	8.32269E-05	8.81003E-05	2.09253E-05	7.04034E-05	0.000110607	8.36172E-05	8.79112E-05	1.54081E-05	7.04034E-05	0.000116918
6367	8.50438E-05	8.97679E-05	2.46519E-05	7.23091E-05	0.000205691	8.54119E-05	8.96E-05	1.88859E-05	7.23091E-05	0.000205984
6368	8.27688E-05	8.71977E-05	2.61494E-05	7.20283E-05	0.000208412	8.35413E-05	8.75249E-05	2.02618E-05	7.20283E-05	0.000208787
6369	8.36077E-05	8.80273E-05	2.71072E-05	7.22741E-05	0.000209908	8.42055E-05	8.8174E-05	2.11677E-05	7.22741E-05	0.000210407
6370	8.80341E-05	9.26665E-05	2.88145E-05	7.55362E-05	0.000210098	8.84785E-05	9.26231E-05	2.26433E-05	7.55362E-05	0.00021062
6371	9.15215E-05	9.63208E-05	3.01681E-05	7.80654E-05	0.000210854	9.18322E-05	9.61137E-05	2.38219E-05	7.80654E-05	0.000211431
6372	9.21992E-05	9.70961E-05	2.95978E-05	7.86216E-05	0.00019698	9.25463E-05	9.69045E-05	2.33185E-05	7.86216E-05	0.000198702
6373	9.52322E-05	0.000100338	2.99581E-05	8.13863E-05	0.000195594	9.56764E-05	0.000100219	2.35187E-05	8.13863E-05	0.000197222
6374	9.89188E-05	0.000104338	2.96417E-05	8.5666E-05	0.000192087	9.97983E-05	0.000104638	2.29157E-05	8.5666E-05	0.000193468
6375	0.000104472	0.000110282	3.01999E-05	9.09632E-05	0.00019988	0.000105606	0.000110797	2.31447E-05	9.09632E-05	0.000199696

6376	0.000112982	0.000119311	3.20724E-05	9.77483E-05	0.000192711	0.000114049	0.000119677	2.46564E-05	9.77483E-05	0.000192031
6377	0.000120389	0.000127135	3.415E-05	0.000104785	0.000187662	0.000121718	0.000127736	2.61173E-05	0.000104785	0.000186623
6378	0.000125101	0.0001318	3.94694E-05	0.000106523	0.000183953	0.000125561	0.000131509	3.10775E-05	0.000106523	0.000182645
6379	0.000131128	0.000137614	4.82139E-05	0.000105749	0.000152449	0.000129467	0.000135116	3.97333E-05	0.000105749	0.00015316
6380	0.000127455	0.000133381	5.16972E-05	0.000100044	0.000121698	0.000124761	0.000129885	4.33729E-05	0.000100044	0.000124612
6381	0.000120304	0.000125789	5.01764E-05	9.07809E-05	0.000102561	0.000116559	0.000121219	4.2523E-05	9.07809E-05	0.000106248
6382	0.000108414	0.000113422	4.43907E-05	7.93075E-05	8.56337E-05	0.000104296	0.000108487	3.77188E-05	7.93075E-05	9.03759E-05
6383	9.36681E-05	9.81217E-05	3.67343E-05	6.93558E-05	8.32533E-05	9.04403E-05	9.41879E-05	3.09105E-05	6.93558E-05	8.78226E-05
6384	8.21642E-05	8.63843E-05	2.82144E-05	6.30133E-05	8.20603E-05	8.01924E-05	8.37866E-05	2.31001E-05	6.30133E-05	8.65382E-05
6385	7.13678E-05	7.53696E-05	2.02102E-05	5.69909E-05	8.26239E-05	7.05541E-05	7.40024E-05	1.57779E-05	5.69909E-05	8.71374E-05
6386	6.7324E-05	7.12823E-05	1.6722E-05	5.54176E-05	8.43214E-05	6.71761E-05	7.06202E-05	1.24673E-05	5.54176E-05	8.8948E-05
6387	6.63688E-05	7.03495E-05	1.54798E-05	5.5619E-05	8.94794E-05	6.65734E-05	7.00592E-05	1.12025E-05	5.5619E-05	9.44539E-05
6388	6.91388E-05	7.33189E-05	1.57021E-05	5.917E-05	9.66098E-05	6.97486E-05	7.34424E-05	1.10747E-05	5.917E-05	0.000102073
6389	7.61987E-05	8.07618E-05	1.78643E-05	6.52035E-05	0.000105607	7.68444E-05	8.08783E-05	1.27676E-05	6.52035E-05	0.000111696
6390	8.32269E-05	8.81003E-05	2.09253E-05	7.04034E-05	0.000110607	8.36172E-05	8.79112E-05	1.54081E-05	7.04034E-05	0.000116918
6391	8.50438E-05	8.97679E-05	2.46519E-05	7.23091E-05	0.000205691	8.54119E-05	8.96E-05	1.88859E-05	7.23091E-05	0.000205984
6392	8.27688E-05	8.71977E-05	2.61494E-05	7.20283E-05	0.000208412	8.35413E-05	8.75249E-05	2.02618E-05	7.20283E-05	0.000208787
6393	8.36077E-05	8.80273E-05	2.71072E-05	7.22741E-05	0.000209908	8.42055E-05	8.8174E-05	2.11677E-05	7.22741E-05	0.000210407
6394	8.80341E-05	9.26665E-05	2.88145E-05	7.55362E-05	0.000210098	8.84785E-05	9.26231E-05	2.26433E-05	7.55362E-05	0.00021062
6395	9.15215E-05	9.63208E-05	3.01681E-05	7.80654E-05	0.000210854	9.18322E-05	9.61137E-05	2.38219E-05	7.80654E-05	0.000211431
6396	9.21992E-05	9.70961E-05	2.95978E-05	7.86216E-05	0.00019698	9.25463E-05	9.69045E-05	2.33185E-05	7.86216E-05	0.000198702
6397	9.52322E-05	0.000100338	2.99581E-05	8.13863E-05	0.000195594	9.56764E-05	0.000100219	2.35187E-05	8.13863E-05	0.000197222
6398	9.89188E-05	0.000104338	2.96417E-05	8.5666E-05	0.000192087	9.97983E-05	0.000104638	2.29157E-05	8.5666E-05	0.000193468
6399	0.000104472	0.000110282	3.01999E-05	9.09632E-05	0.00019988	0.000105606	0.000110797	2.31447E-05	9.09632E-05	0.000199696
6400	0.000112982	0.000119311	3.20724E-05	9.77483E-05	0.000192711	0.000114049	0.000119677	2.46564E-05	9.77483E-05	0.000192031
6401	0.000120389	0.000127135	3.415E-05	0.000104785	0.000187662	0.000121718	0.000127736	2.61173E-05	0.000104785	0.000186623
6402	0.000125101	0.0001318	3.94694E-05	0.000106523	0.000183953	0.000125561	0.000131509	3.10775E-05	0.000106523	0.000182645
6403	0.000131128	0.000137614	4.82139E-05	0.000105749	0.000152449	0.000129467	0.000135116	3.97333E-05	0.000105749	0.00015316
6404	0.000127455	0.000133381	5.16972E-05	0.000100044	0.000121698	0.000124761	0.000129885	4.33729E-05	0.000100044	0.000124612
6405	0.000120304	0.000125789	5.01764E-05	9.07809E-05	0.000102561	0.000116559	0.000121219	4.2523E-05	9.07809E-05	0.000106248
6406	0.000108414	0.000113422	4.43907E-05	7.93075E-05	8.56337E-05	0.000104296	0.000108487	3.77188E-05	7.93075E-05	9.03759E-05
6407	9.36681E-05	9.81217E-05	3.67343E-05	6.93558E-05	8.32533E-05	9.04403E-05	9.41879E-05	3.09105E-05	6.93558E-05	8.78226E-05
6408	8.21642E-05	8.63843E-05	2.82144E-05	6.30133E-05	8.20603E-05	8.01924E-05	8.37866E-05	2.31001E-05	6.30133E-05	8.65382E-05
6409	7.26211E-05	7.67059E-05	2.04024E-05	5.81117E-05	8.21827E-05	7.18386E-05	7.536E-05	1.59026E-05	5.81117E-05	8.66718E-05
6410	6.7143E-05	7.10896E-05	1.6691E-05	5.52289E-05	8.47737E-05	6.69826E-05	7.04155E-05	1.24521E-05	5.52289E-05	8.94295E-05
6411	6.62343E-05	7.02059E-05	1.54615E-05	5.55177E-05	8.99099E-05	6.64412E-05	6.99196E-05	1.11871E-05	5.55177E-05	9.49124E-05
6412	6.91557E-05	7.33366E-05	1.57088E-05	5.9219E-05	9.7201E-05	6.9776E-05	7.34716E-05	1.10728E-05	5.9219E-05	0.000102704
6413	7.64483E-05	8.10273E-05	1.79118E-05	6.5502E-05	0.000106474	7.71227E-05	8.1173E-05	1.27844E-05	6.5502E-05	0.000112621
6414	8.32486E-05	8.81226E-05	2.09399E-05	7.05148E-05	0.000111796	8.36668E-05	8.79644E-05	1.54004E-05	7.05148E-05	0.000118188
6415	8.6361E-05	9.11872E-05	2.46635E-05	7.22641E-05	0.000207069	8.63873E-05	9.0636E-05	1.88985E-05	7.22641E-05	0.000207457
6416	8.21068E-05	8.64923E-05	2.60431E-05	7.13974E-05	0.000210153	8.28512E-05	8.67953E-05	2.02001E-05	7.13974E-05	0.00021065
6417	8.28877E-05	8.726E-05	2.69939E-05	7.16067E-05	0.000211828	8.34607E-05	8.73866E-05	2.10986E-05	7.16067E-05	0.000212462
6418	8.8018E-05	9.26492E-05	2.88133E-05	7.55319E-05	0.000211981	8.84651E-05	9.26089E-05	2.26406E-05	7.55319E-05	0.000212639
6419	9.24309E-05	9.729E-05	3.03131E-05	7.89232E-05	0.000212795	9.27776E-05	9.71132E-05	2.39076E-05	7.89232E-05	0.000213514
6420	9.36447E-05	9.86363E-05	2.98339E-05	8.00315E-05	0.000198975	9.40628E-05	9.85081E-05	2.34498E-05	8.00315E-05	0.000200842
6421	9.71667E-05	0.0001024	3.02692E-05	8.3234E-05	0.000197372	9.76942E-05	0.000102352	2.36985E-05	8.3234E-05	0.000199129
6422	0.000101392	0.000106975	3.00229E-05	8.78931E-05	0.000194069	0.000102338	0.000107322	2.31602E-05	8.78931E-05	0.000195595
6423	0.000107491	0.0001135	3.06641E-05	9.36717E-05	0.000201746	0.000108702	0.00011407	2.34441E-05	9.36717E-05	0.000201698
6424	0.0001171	0.000123703	3.26922E-05	0.000101334	0.000194615	0.000118241	0.000124106	2.50766E-05	0.000101334	0.000194073
6425	0.000124865	0.000131904	3.48769E-05	0.000109118	0.000189652	0.000126403	0.000132691	2.65273E-05	0.000109118	0.000188759
6426	0.000128924	0.000135871	4.01021E-05	0.00011032	0.000185995	0.000129591	0.000135771	3.14171E-05	0.00011032	0.000184832
6427	0.000134454	0.000141158	4.87463E-05	0.000108905	0.000154506	0.00013293	0.000138777	4.00448E-05	0.000108905	0.000155363
6428	0.000130226	0.000136335	5.21239E-05	0.000102536	0.000123672	0.000127605	0.00013289	4.36471E-05	0.000102536	0.000126726
6429	0.000121064	0.000126585	5.04825E-05	9.26764E-05	0.000104115	0.00011771	0.000122431	4.27178E-05	9.26764E-05	0.000107913
6430	0.000110077	0.000115196	4.46404E-05	8.07503E-05	8.67853E-05	0.000105988	0.000110275	3.78892E-05	8.07503E-05	9.16117E-05
6431	9.50392E-05	9.95827E-05	3.69561E-05	7.06754E-05	8.42911E-05	9.18734E-05	9.57033E-05	3.10369E-05	7.06754E-05	8.89367E-05
6432	8.31531E-05	8.7438E-05	2.83748E-05	6.39684E-05	8.28046E-05	8.1227E-05	8.48806E-05	2.31909E-05	6.39684E-05	8.73375E-05
6433	7.26211E-05	7.67059E-05	2.04024E-05	5.81117E-05	8.21827E-05	7.18386E-05	7.536E-05	1.59026E-05	5.81117E-05	8.66718E-05
6434	6.7143E-05	7.10896E-05	1.6691E-05	5.52289E-05	8.47737E-05	6.69826E-05	7.04155E-05	1.24521E-05	5.52289E-05	8.94295E-05
6435	6.62343E-05	7.02059E-05	1.54615E-05	5.55177E-05	8.99099E-05	6.64412E-05	6.99196E-05	1.11871E-05	5.55177E-05	9.49124E-05
6436	6.91557E-05	7.33366E-05	1.57088E-05	5.9219E-05	9.7201E-05	6.9776E-05	7.34716E-05	1.10728E-05	5.9219E-05	0.000102704
6437	7.64483E-05	8.10273E-05	1.79118E-05	6.5502E-05	0.000106474	7.71227E-05	8.1173E-05	1.27844E-05	6.5502E-05	0.000112621
6438	8.32486E-05	8.81226E-05	2.09399E-05	7.05148E-05	0.000111796	8.36668E-05	8.79644E-05	1.54004E-05	7.05148E-05	0.000118188
6439	8.6361E-05	9.11872E-05	2.46635E-05	7.22641E-05	0.000207069	8.63873E-05	9.0636E-05	1.88985E-05	7.22641E-05	0.000207457
6440	8.21068E-05	8.64923E-05	2.60431E-05	7.13974E-05	0.000210153	8.28512E-05	8.67953E-05	2.02001E-05	7.13974E-05	0.00021065
6441	8.28877E-05	8.726E-05	2.69939E-05	7.16067E-05	0.000211828	8.34607E-05	8.73866E-05	2.10986E-05	7.16067E-05	0.000212462
6442	8.8018E-05	9.26492E-05	2.88133E-05	7.55319E-05	0.000211981	8.84651E-05	9.26089E-05	2.26406E-05	7.55319E-05	0.000212639
6443	9.24309E-05	9.729E-05	3.03131E-05	7.89232E-05	0.000212795	9.27776E-05	9.71132E-05	2.39076E-05	7.89232E-05	0.000213514
6444	9.36447E-05	9.86363E-05	2.98339E-05	8.00315E-05	0.000198975	9.40628E-05	9.85081E-05	2.34498E-05	8.00315E-05	0.000200842
6445	9.71667E-05	0.0001024	3.02692E-05	8.3234E-05	0.000197372	9.76942E-05	0.000102352	2.36985E-05	8.3234E-05	0.000199129
6446	0.000101392	0.000106975	3.00229E-05	8.78931E-05	0.000194069	0.000102338	0.000107322	2.31602E-05	8.78931E-05	0.000195595
6447	0.000107491	0.0001135	3.06641E-05	9.36717E-05	0.000201746	0.000108702	0.00011407	2.34441E-05	9.36717E-05	0.000201698
6448	0.0001171	0.000123703	3.26922E-05	0.000101334	0.000194615	0.000118241	0.000124106	2.50766E-05	0.000101334	0.000194073
6449	0.000124865	0.000131904	3.48769E-05	0.000109118	0.000189652	0.000126403	0.000132691	2.65273E-05	0.000109118	0.000188759
6450	0.000128924	0.000135871	4.01021E-05	0.00011032	0.000185995	0.000129591	0.000135771	3.14171E-05	0.00011032	0.000184832
6451	0.000134454	0.000141158	4.87463E-05	0.000108905	0.000154506	0.00013293	0.000138777	4.00448E-05	0.000108905	0.000155363

6452	0.000130226	0.000136335	5.21239E-05	0.000102536	0.000123672	0.000127605	0.00013289	4.36471E-05	0.000102536	0.000126726
6453	0.000121064	0.000126585	5.04825E-05	9.26764E-05	0.000104115	0.00011771	0.000122431	4.27178E-05	9.26764E-05	0.000107913
6454	0.000110077	0.000115196	4.46404E-05	8.07503E-05	8.67853E-05	0.000105988	0.000110275	3.78892E-05	8.07503E-05	9.16117E-05
6455	9.50392E-05	9.95827E-05	3.69561E-05	7.06754E-05	8.42911E-05	9.18734E-05	9.57033E-05	3.10369E-05	7.06754E-05	8.89367E-05
6456	8.31531E-05	8.7438E-05	2.83748E-05	6.39684E-05	8.28046E-05	8.1227E-05	8.48806E-05	2.31909E-05	6.39684E-05	8.73375E-05
6457	7.13678E-05	7.53696E-05	2.02102E-05	5.69909E-05	8.26239E-05	7.05541E-05	7.40024E-05	1.57779E-05	5.69909E-05	8.71374E-05
6458	6.7324E-05	7.12823E-05	1.6722E-05	5.54176E-05	8.43214E-05	6.71761E-05	7.06202E-05	1.24673E-05	5.54176E-05	8.8948E-05
6459	6.63688E-05	7.03495E-05	1.54798E-05	5.5619E-05	8.94794E-05	6.65734E-05	7.00592E-05	1.12025E-05	5.5619E-05	9.44539E-05
6460	6.91388E-05	7.33189E-05	1.57021E-05	5.917E-05	9.66098E-05	6.97486E-05	7.34424E-05	1.10747E-05	5.917E-05	0.000102073
6461	7.61987E-05	8.07618E-05	1.78643E-05	6.52035E-05	0.000105607	7.68444E-05	8.08783E-05	1.27676E-05	6.52035E-05	0.000111696
6462	8.32269E-05	8.81003E-05	2.09253E-05	7.04034E-05	0.000110607	8.36172E-05	8.79112E-05	1.54081E-05	7.04034E-05	0.000116918
6463	8.50438E-05	8.97679E-05	2.46519E-05	7.23091E-05	0.000205691	8.54119E-05	8.96E-05	1.88859E-05	7.23091E-05	0.000205984
6464	8.27688E-05	8.71977E-05	2.61494E-05	7.20283E-05	0.000208412	8.35413E-05	8.75249E-05	2.02618E-05	7.20283E-05	0.000208787
6465	8.36077E-05	8.80273E-05	2.71072E-05	7.22741E-05	0.000209908	8.42055E-05	8.8174E-05	2.11677E-05	7.22741E-05	0.000210407
6466	8.80341E-05	9.26665E-05	2.88145E-05	7.55362E-05	0.000210098	8.84785E-05	9.26231E-05	2.26433E-05	7.55362E-05	0.00021062
6467	9.15215E-05	9.63208E-05	3.01681E-05	7.80654E-05	0.000210854	9.18322E-05	9.61137E-05	2.38219E-05	7.80654E-05	0.000211431
6468	9.21992E-05	9.70961E-05	2.95978E-05	7.86216E-05	0.00019698	9.25463E-05	9.69045E-05	2.33185E-05	7.86216E-05	0.000198702
6469	9.52322E-05	0.000100338	2.99581E-05	8.13863E-05	0.000195594	9.56764E-05	0.000100219	2.35187E-05	8.13863E-05	0.000197222
6470	9.89188E-05	0.000104338	2.96417E-05	8.5666E-05	0.000192087	9.97983E-05	0.000104638	2.29157E-05	8.5666E-05	0.000193468
6471	0.000104472	0.000110282	3.01999E-05	9.09632E-05	0.00019988	0.000105606	0.000110797	2.31447E-05	9.09632E-05	0.000199696
6472	0.000112982	0.000119311	3.20724E-05	9.77483E-05	0.000192711	0.000114049	0.000119677	2.46564E-05	9.77483E-05	0.000192031
6473	0.000120389	0.000127135	3.415E-05	0.000104785	0.000187662	0.000121718	0.000127736	2.61173E-05	0.000104785	0.000186623
6474	0.000125101	0.0001318	3.94694E-05	0.000106523	0.000183953	0.000125561	0.000131509	3.10775E-05	0.000106523	0.000182645
6475	0.000131128	0.000137614	4.82139E-05	0.000105749	0.000152449	0.000129467	0.000135116	3.97333E-05	0.000105749	0.00015316
6476	0.000127455	0.000133381	5.16972E-05	0.000100044	0.000121698	0.000124761	0.000129885	4.33729E-05	0.000100044	0.000124612
6477	0.000120304	0.000125789	5.01764E-05	9.07809E-05	0.000102561	0.000116559	0.000121219	4.2523E-05	9.07809E-05	0.000106248
6478	0.000108414	0.000113422	4.43907E-05	7.93075E-05	8.56337E-05	0.000104296	0.000108487	3.77188E-05	7.93075E-05	9.03759E-05
6479	9.36681E-05	9.81217E-05	3.67343E-05	6.93558E-05	8.32533E-05	9.04403E-05	9.41879E-05	3.09105E-05	6.93558E-05	8.78226E-05
6480	8.21642E-05	8.63843E-05	2.82144E-05	6.30133E-05	8.20603E-05	8.01924E-05	8.37866E-05	2.31001E-05	6.30133E-05	8.65382E-05
6481	7.13678E-05	7.53696E-05	2.02102E-05	5.69909E-05	8.26239E-05	7.05541E-05	7.40024E-05	1.57779E-05	5.69909E-05	8.71374E-05
6482	6.7324E-05	7.12823E-05	1.6722E-05	5.54176E-05	8.43214E-05	6.71761E-05	7.06202E-05	1.24673E-05	5.54176E-05	8.8948E-05
6483	6.63688E-05	7.03495E-05	1.54798E-05	5.5619E-05	8.94794E-05	6.65734E-05	7.00592E-05	1.12025E-05	5.5619E-05	9.44539E-05
6484	6.91388E-05	7.33189E-05	1.57021E-05	5.917E-05	9.66098E-05	6.97486E-05	7.34424E-05	1.10747E-05	5.917E-05	0.000102073
6485	7.61987E-05	8.07618E-05	1.78643E-05	6.52035E-05	0.000105607	7.68444E-05	8.08783E-05	1.27676E-05	6.52035E-05	0.000111696
6486	8.32269E-05	8.81003E-05	2.09253E-05	7.04034E-05	0.000110607	8.36172E-05	8.79112E-05	1.54081E-05	7.04034E-05	0.000116918
6487	8.50438E-05	8.97679E-05	2.46519E-05	7.23091E-05	0.000205691	8.54119E-05	8.96E-05	1.88859E-05	7.23091E-05	0.000205984
6488	8.27688E-05	8.71977E-05	2.61494E-05	7.20283E-05	0.000208412	8.35413E-05	8.75249E-05	2.02618E-05	7.20283E-05	0.000208787
6489	8.36077E-05	8.80273E-05	2.71072E-05	7.22741E-05	0.000209908	8.42055E-05	8.8174E-05	2.11677E-05	7.22741E-05	0.000210407
6490	8.80341E-05	9.26665E-05	2.88145E-05	7.55362E-05	0.000210098	8.84785E-05	9.26231E-05	2.26433E-05	7.55362E-05	0.00021062
6491	9.15215E-05	9.63208E-05	3.01681E-05	7.80654E-05	0.000210854	9.18322E-05	9.61137E-05	2.38219E-05	7.80654E-05	0.000211431
6492	9.21992E-05	9.70961E-05	2.95978E-05	7.86216E-05	0.00019698	9.25463E-05	9.69045E-05	2.33185E-05	7.86216E-05	0.000198702
6493	9.52322E-05	0.000100338	2.99581E-05	8.13863E-05	0.000195594	9.56764E-05	0.000100219	2.35187E-05	8.13863E-05	0.000197222
6494	9.89188E-05	0.000104338	2.96417E-05	8.5666E-05	0.000192087	9.97983E-05	0.000104638	2.29157E-05	8.5666E-05	0.000193468
6495	0.000104472	0.000110282	3.01999E-05	9.09632E-05	0.00019988	0.000105606	0.000110797	2.31447E-05	9.09632E-05	0.000199696
6496	0.000112982	0.000119311	3.20724E-05	9.77483E-05	0.000192711	0.000114049	0.000119677	2.46564E-05	9.77483E-05	0.000192031
6497	0.000120389	0.000127135	3.415E-05	0.000104785	0.000187662	0.000121718	0.000127736	2.61173E-05	0.000104785	0.000186623
6498	0.000125101	0.0001318	3.94694E-05	0.000106523	0.000183953	0.000125561	0.000131509	3.10775E-05	0.000106523	0.000182645
6499	0.000131128	0.000137614	4.82139E-05	0.000105749	0.000152449	0.000129467	0.000135116	3.97333E-05	0.000105749	0.00015316
6500	0.000127455	0.000133381	5.16972E-05	0.000100044	0.000121698	0.000124761	0.000129885	4.33729E-05	0.000100044	0.000124612
6501	0.000120304	0.000125789	5.01764E-05	9.07809E-05	0.000102561	0.000116559	0.000121219	4.2523E-05	9.07809E-05	0.000106248
6502	0.000108414	0.000113422	4.43907E-05	7.93075E-05	8.56337E-05	0.000104296	0.000108487	3.77188E-05	7.93075E-05	9.03759E-05
6503	9.36681E-05	9.81217E-05	3.67343E-05	6.93558E-05	8.32533E-05	9.04403E-05	9.41879E-05	3.09105E-05	6.93558E-05	8.78226E-05
6504	8.21642E-05	8.63843E-05	2.82144E-05	6.30133E-05	8.20603E-05	8.01924E-05	8.37866E-05	2.31001E-05	6.30133E-05	8.65382E-05
6505	7.13678E-05	7.53696E-05	2.02102E-05	5.69909E-05	8.26239E-05	7.05541E-05	7.40024E-05	1.57779E-05	5.69909E-05	8.71374E-05
6506	6.7324E-05	7.12823E-05	1.6722E-05	5.54176E-05	8.43214E-05	6.71761E-05	7.06202E-05	1.24673E-05	5.54176E-05	8.8948E-05
6507	6.63688E-05	7.03495E-05	1.54798E-05	5.5619E-05	8.94794E-05	6.65734E-05	7.00592E-05	1.12025E-05	5.5619E-05	9.44539E-05
6508	6.91388E-05	7.33189E-05	1.57021E-05	5.917E-05	9.66098E-05	6.97486E-05	7.34424E-05	1.10747E-05	5.917E-05	0.000102073
6509	7.61987E-05	8.07618E-05	1.78643E-05	6.52035E-05	0.000105607	7.68444E-05	8.08783E-05	1.27676E-05	6.52035E-05	0.000111696
6510	8.32269E-05	8.81003E-05	2.09253E-05	7.04034E-05	0.000110607	8.36172E-05	8.79112E-05	1.54081E-05	7.04034E-05	0.000116918
6511	8.50438E-05	8.97679E-05	2.46519E-05	7.23091E-05	0.000205691	8.54119E-05	8.96E-05	1.88859E-05	7.23091E-05	0.000205984
6512	8.27688E-05	8.71977E-05	2.61494E-05	7.20283E-05	0.000208412	8.35413E-05	8.75249E-05	2.02618E-05	7.20283E-05	0.000208787
6513	8.36077E-05	8.80273E-05	2.71072E-05	7.22741E-05	0.000209908	8.42055E-05	8.8174E-05	2.11677E-05	7.22741E-05	0.000210407
6514	8.80341E-05	9.26665E-05	2.88145E-05	7.55362E-05	0.000210098	8.84785E-05	9.26231E-05	2.26433E-05	7.55362E-05	0.00021062
6515	9.15215E-05	9.63208E-05	3.01681E-05	7.80654E-05	0.000210854	9.18322E-05	9.61137E-05	2.38219E-05	7.80654E-05	0.000211431
6516	9.21992E-05	9.70961E-05	2.95978E-05	7.86216E-05	0.00019698	9.25463E-05	9.69045E-05	2.33185E-05	7.86216E-05	0.000198702
6517	9.52322E-05	0.000100338	2.99581E-05	8.13863E-05	0.000195594	9.56764E-05	0.000100219	2.35187E-05	8.13863E-05	0.000197222
6518	9.89188E-05	0.000104338	2.96417E-05	8.5666E-05	0.000192087	9.97983E-05	0.000104638	2.29157E-05	8.5666E-05	0.000193468
6519	0.000104472	0.000110282	3.01999E-05	9.09632E-05	0.00019988	0.000105606	0.000110797	2.31447E-05	9.09632E-05	0.000199696
6520	0.000112982	0.000119311	3.20724E-05	9.77483E-05	0.000192711	0.000114049	0.000119677	2.46564E-05	9.77483E-05	0.000192031
6521	0.000120389	0.000127135	3.415E-05	0.000104785	0.000187662	0.000121718	0.000127736	2.61173E-05	0.000104785	0.000186623
6522	0.000125101	0.0001318	3.94694E-05	0.000106523	0.000183953	0.000125561	0.000131509	3.10775E-05	0.000106523	0.000182645
6523	0.000131128	0.000137614	4.82139E-05	0.000105749	0.000152449	0.000129467	0.000135116	3.97333E-05	0.000105749	0.00015316
6524	0.000127455	0.000133381	5.16972E-05	0.000100044	0.000121698	0.000124761	0.000129885	4.33729E-05	0.000100044	0.000124612
6525	0.000120304	0.000125789	5.01764E-05	9.07809E-05	0.000102561	0.000116559	0.000121219	4.2523E-05	9.07809E-05	0.000106248
6526	0.000108414	0.000113422	4.43907E-05	7.93075E-05	8.56337E-05	0.000104296	0.000108487	3.77188E-05	7.93075E-05	9.03759E-05
6527	9.36681E-05	9.81217E-05	3.67343E-05	6.93558E-05	8.32533E-05	9.04403E-05	9.41879E-05	3.09105E-05	6.93558E-05	8.78226E-05

6528	8.21642E-05	8.63843E-05	2.82144E-05	6.30133E-05	8.20603E-05	8.01924E-05	8.37866E-05	2.31001E-05	6.30133E-05	8.65382E-05
6529	7.13678E-05	7.53696E-05	2.02102E-05	5.69909E-05	8.26239E-05	7.05541E-05	7.40024E-05	1.57779E-05	5.69909E-05	8.71374E-05
6530	6.7324E-05	7.12823E-05	1.6722E-05	5.54176E-05	8.43214E-05	6.71761E-05	7.06202E-05	1.24673E-05	5.54176E-05	8.8948E-05
6531	6.63688E-05	7.03495E-05	1.54798E-05	5.5619E-05	8.94794E-05	6.65734E-05	7.00592E-05	1.12025E-05	5.5619E-05	9.44539E-05
6532	6.91388E-05	7.33189E-05	1.57021E-05	5.917E-05	9.66098E-05	6.97486E-05	7.34424E-05	1.10747E-05	5.917E-05	0.000102073
6533	7.61987E-05	8.07618E-05	1.78643E-05	6.52035E-05	0.000105607	7.68444E-05	8.08783E-05	1.27676E-05	6.52035E-05	0.000111696
6534	8.32269E-05	8.81003E-05	2.09253E-05	7.04034E-05	0.000110607	8.36172E-05	8.79112E-05	1.54081E-05	7.04034E-05	0.000116918
6535	8.50438E-05	8.97679E-05	2.46519E-05	7.23091E-05	0.000205691	8.54119E-05	8.96E-05	1.88859E-05	7.23091E-05	0.000205984
6536	8.27688E-05	8.71977E-05	2.61494E-05	7.20283E-05	0.000208412	8.35413E-05	8.75249E-05	2.02618E-05	7.20283E-05	0.000208787
6537	8.36077E-05	8.80273E-05	2.71072E-05	7.22741E-05	0.000209908	8.42055E-05	8.8174E-05	2.11677E-05	7.22741E-05	0.000210407
6538	8.80341E-05	9.26665E-05	2.88145E-05	7.55362E-05	0.000210098	8.84785E-05	9.26231E-05	2.26433E-05	7.55362E-05	0.00021062
6539	9.15215E-05	9.63208E-05	3.01681E-05	7.80654E-05	0.000210854	9.18322E-05	9.61137E-05	2.38219E-05	7.80654E-05	0.000211431
6540	9.21992E-05	9.70961E-05	2.95978E-05	7.86216E-05	0.00019698	9.25463E-05	9.69045E-05	2.33185E-05	7.86216E-05	0.000198702
6541	9.52322E-05	0.000100338	2.99581E-05	8.13863E-05	0.000195594	9.56764E-05	0.000100219	2.35187E-05	8.13863E-05	0.000197222
6542	9.89188E-05	0.000104338	2.96417E-05	8.5666E-05	0.000192087	9.97983E-05	0.000104638	2.29157E-05	8.5666E-05	0.000193468
6543	0.000104472	0.000110282	3.01999E-05	9.09632E-05	0.00019988	0.000105606	0.000110797	2.31447E-05	9.09632E-05	0.000199696
6544	0.000112982	0.000119311	3.20724E-05	9.77483E-05	0.000192711	0.000114049	0.000119677	2.46564E-05	9.77483E-05	0.000192031
6545	0.000120389	0.000127135	3.415E-05	0.000104785	0.000187662	0.000121718	0.000127736	2.61173E-05	0.000104785	0.000186623
6546	0.000125101	0.0001318	3.94694E-05	0.000106523	0.000183953	0.000125561	0.000131509	3.10775E-05	0.000106523	0.000182645
6547	0.000131128	0.000137614	4.82139E-05	0.000105749	0.000152449	0.000129467	0.000135116	3.97333E-05	0.000105749	0.00015316
6548	0.000127455	0.000133381	5.16972E-05	0.000100044	0.000121698	0.000124761	0.000129885	4.33729E-05	0.000100044	0.000124612
6549	0.000120304	0.000125789	5.01764E-05	9.07809E-05	0.000102561	0.000116559	0.000121219	4.2523E-05	9.07809E-05	0.000106248
6550	0.000108414	0.000113422	4.43907E-05	7.93075E-05	8.56337E-05	0.000104296	0.000108487	3.77188E-05	7.93075E-05	9.03759E-05
6551	9.36681E-05	9.81217E-05	3.67343E-05	6.93558E-05	8.32533E-05	9.04403E-05	9.41879E-05	3.09105E-05	6.93558E-05	8.78226E-05
6552	8.21642E-05	8.63843E-05	2.82144E-05	6.30133E-05	8.20603E-05	8.01924E-05	8.37866E-05	2.31001E-05	6.30133E-05	8.65382E-05
6553	7.13678E-05	7.53696E-05	2.02102E-05	5.69909E-05	8.26239E-05	7.05541E-05	7.40024E-05	1.57779E-05	5.69909E-05	8.71374E-05
6554	6.7324E-05	7.12823E-05	1.6722E-05	5.54176E-05	8.43214E-05	6.71761E-05	7.06202E-05	1.24673E-05	5.54176E-05	8.8948E-05
6555	6.63688E-05	7.03495E-05	1.54798E-05	5.5619E-05	8.94794E-05	6.65734E-05	7.00592E-05	1.12025E-05	5.5619E-05	9.44539E-05
6556	6.91388E-05	7.33189E-05	1.57021E-05	5.917E-05	9.66098E-05	6.97486E-05	7.34424E-05	1.10747E-05	5.917E-05	0.000102073
6557	7.61987E-05	8.07618E-05	1.78643E-05	6.52035E-05	0.000105607	7.68444E-05	8.08783E-05	1.27676E-05	6.52035E-05	0.000111696
6558	8.32269E-05	8.81003E-05	2.09253E-05	7.04034E-05	0.000110607	8.36172E-05	8.79112E-05	1.54081E-05	7.04034E-05	0.000116918
6559	8.50438E-05	8.97679E-05	2.46519E-05	7.23091E-05	0.000205691	8.54119E-05	8.96E-05	1.88859E-05	7.23091E-05	0.000205984
6560	8.27688E-05	8.71977E-05	2.61494E-05	7.20283E-05	0.000208412	8.35413E-05	8.75249E-05	2.02618E-05	7.20283E-05	0.000208787
6561	8.36077E-05	8.80273E-05	2.71072E-05	7.22741E-05	0.000209908	8.42055E-05	8.8174E-05	2.11677E-05	7.22741E-05	0.000210407
6562	8.80341E-05	9.26665E-05	2.88145E-05	7.55362E-05	0.000210098	8.84785E-05	9.26231E-05	2.26433E-05	7.55362E-05	0.00021062
6563	9.15215E-05	9.63208E-05	3.01681E-05	7.80654E-05	0.000210854	9.18322E-05	9.61137E-05	2.38219E-05	7.80654E-05	0.000211431
6564	9.21992E-05	9.70961E-05	2.95978E-05	7.86216E-05	0.00019698	9.25463E-05	9.69045E-05	2.33185E-05	7.86216E-05	0.000198702
6565	9.52322E-05	0.000100338	2.99581E-05	8.13863E-05	0.000195594	9.56764E-05	0.000100219	2.35187E-05	8.13863E-05	0.000197222
6566	9.89188E-05	0.000104338	2.96417E-05	8.5666E-05	0.000192087	9.97983E-05	0.000104638	2.29157E-05	8.5666E-05	0.000193468
6567	0.000104472	0.000110282	3.01999E-05	9.09632E-05	0.00019988	0.000105606	0.000110797	2.31447E-05	9.09632E-05	0.000199696
6568	0.000112982	0.000119311	3.20724E-05	9.77483E-05	0.000192711	0.000114049	0.000119677	2.46564E-05	9.77483E-05	0.000192031
6569	0.000120389	0.000127135	3.415E-05	0.000104785	0.000187662	0.000121718	0.000127736	2.61173E-05	0.000104785	0.000186623
6570	0.000125101	0.0001318	3.94694E-05	0.000106523	0.000183953	0.000125561	0.000131509	3.10775E-05	0.000106523	0.000182645
6571	0.000131128	0.000137614	4.82139E-05	0.000105749	0.000152449	0.000129467	0.000135116	3.97333E-05	0.000105749	0.00015316
6572	0.000127455	0.000133381	5.16972E-05	0.000100044	0.000121698	0.000124761	0.000129885	4.33729E-05	0.000100044	0.000124612
6573	0.000120304	0.000125789	5.01764E-05	9.07809E-05	0.000102561	0.000116559	0.000121219	4.2523E-05	9.07809E-05	0.000106248
6574	0.000108414	0.000113422	4.43907E-05	7.93075E-05	8.56337E-05	0.000104296	0.000108487	3.77188E-05	7.93075E-05	9.03759E-05
6575	9.36681E-05	9.81217E-05	3.67343E-05	6.93558E-05	8.32533E-05	9.04403E-05	9.41879E-05	3.09105E-05	6.93558E-05	8.78226E-05
6576	8.21642E-05	8.63843E-05	2.82144E-05	6.30133E-05	8.20603E-05	8.01924E-05	8.37866E-05	2.31001E-05	6.30133E-05	8.65382E-05
6577	6.75215E-05	7.12511E-05	1.98438E-05	5.53779E-05	3.79734E-05	6.71538E-05	7.04245E-05	1.5199E-05	5.53779E-05	3.93673E-05
6578	6.49466E-05	6.87308E-05	1.65704E-05	5.5032E-05	3.84492E-05	6.52558E-05	6.86057E-05	1.20438E-05	5.5032E-05	3.99071E-05
6579	6.5465E-05	6.93661E-05	1.55948E-05	5.68829E-05	3.96212E-05	6.6262E-05	6.97479E-05	1.08901E-05	5.68829E-05	4.12308E-05
6580	6.91814E-05	7.33446E-05	1.59604E-05	6.1265E-05	4.14141E-05	7.04027E-05	7.41513E-05	1.08581E-05	6.1265E-05	4.32483E-05
6581	7.65396E-05	8.11026E-05	1.82078E-05	6.78872E-05	4.3713E-05	7.78999E-05	8.20141E-05	1.25462E-05	6.78872E-05	4.5826E-05
6582	8.39042E-05	8.87973E-05	2.1352E-05	7.36463E-05	4.41125E-05	8.50941E-05	8.94947E-05	1.51924E-05	7.36463E-05	4.62217E-05
6583	8.7392E-05	9.2256E-05	2.52107E-05	7.63646E-05	0.000134513	8.83874E-05	9.27771E-05	1.86598E-05	7.63646E-05	0.000130329
6584	8.09755E-05	8.52568E-05	2.62442E-05	7.34464E-05	0.000133779	8.26002E-05	8.65562E-05	1.97589E-05	7.34464E-05	0.000129448
6585	7.74375E-05	8.14242E-05	2.64722E-05	6.93007E-05	0.000133981	7.86365E-05	8.23102E-05	2.02805E-05	6.93007E-05	0.00012966
6586	7.64352E-05	8.02786E-05	2.73023E-05	6.73449E-05	0.000134137	7.72374E-05	8.07617E-05	2.12548E-05	6.73449E-05	0.000129823
6587	7.56502E-05	7.93825E-05	2.79367E-05	6.55316E-05	0.000134556	7.6057E-05	7.9456E-05	2.20643E-05	6.55316E-05	0.000130284
6588	7.47581E-05	7.84817E-05	2.71563E-05	6.49343E-05	0.00012009	7.52365E-05	7.86271E-05	2.13778E-05	6.49343E-05	0.000116933
6589	7.60508E-05	7.987E-05	2.72274E-05	6.59611E-05	0.0001199	7.65288E-05	7.99979E-05	2.14243E-05	6.59611E-05	0.000116717
6590	7.70641E-05	8.1023E-05	2.64546E-05	6.74715E-05	0.00011887	7.77983E-05	8.13994E-05	2.0596E-05	6.74715E-05	0.000115562
6591	8.0398E-05	8.45989E-05	2.66951E-05	7.09698E-05	0.000132032	8.13861E-05	8.52138E-05	2.05842E-05	7.09698E-05	0.000127441
6592	8.67323E-05	9.13017E-05	2.83187E-05	7.65021E-05	0.000130151	8.78049E-05	9.19599E-05	2.18049E-05	7.65021E-05	0.000125329
6593	9.46469E-05	9.96804E-05	3.02991E-05	8.25635E-05	0.000128675	9.55695E-05	0.000100108	2.347E-05	8.25635E-05	0.00012368
6594	0.000103385	0.000108644	3.61475E-05	8.71787E-05	0.000127811	0.000103324	0.000108009	2.89083E-05	8.71787E-05	0.000122718
6595	0.000111723	0.000116913	4.53787E-05	8.95515E-05	9.76835E-05	0.00010992	0.000114468	3.76783E-05	8.95515E-05	9.46974E-05
6596	0.000111627	0.000116497	4.93654E-05	8.66759E-05	6.87993E-05	0.00010877	0.000112992	4.17135E-05	8.66759E-05	6.81205E-05
6597	0.000105904	0.000110409	4.83048E-05	8.03267E-05	5.29518E-05	0.00010253	0.000106398	4.10796E-05	8.03267E-05	5.32323E-05
6598	9.97999E-05	0.000104221	4.32794E-05	7.332E-05	3.86816E-05	9.59762E-05	9.97093E-05	3.66774E-05	7.332E-05	4.0156E-05
6599	8.83435E-05	9.24284E-05	3.61232E-05	6.62746E-05	3.80321E-05	8.54813E-05	8.89615E-05	3.02002E-05	6.62746E-05	3.94325E-05
6600	7.89937E-05	8.29849E-05	2.79714E-05	6.21656E-05	3.76891E-05	7.75326E-05	8.09927E-05	2.25712E-05	6.21656E-05	3.90533E-05
6601	6.75215E-05	7.12511E-05	1.98438E-05	5.53779E-05	3.79734E-05	6.71538E-05	7.04245E-05	1.5199E-05	5.53779E-05	3.93673E-05
6602	6.49466E-05	6.87308E-05	1.65704E-05	5.5032E-05	3.84492E-05	6.52558E-05	6.86057E-05	1.20438E-05	5.5032E-05	3.99071E-05
6603	6.5465E-05	6.93661E-05	1.55948E-05	5.68829E-05	3.96212E-05	6.6262E-05	6.97479E-05	1.08901E-05	5.68829E-05	4.12308E-05

6604	6.91814E-05	7.33446E-05	1.59604E-05	6.1265E-05	4.14141E-05	7.04027E-05	7.41513E-05	1.08581E-05	6.1265E-05	4.32483E-05
6605	7.65396E-05	8.11026E-05	1.82078E-05	6.78872E-05	4.3713E-05	7.78999E-05	8.20141E-05	1.25462E-05	6.78872E-05	4.5826E-05
6606	8.39042E-05	8.87973E-05	2.1352E-05	7.36463E-05	4.41125E-05	8.50941E-05	8.94947E-05	1.51924E-05	7.36463E-05	4.62217E-05
6607	8.7392E-05	9.2256E-05	2.52107E-05	7.63646E-05	0.000134513	8.83874E-05	9.27771E-05	1.86598E-05	7.63646E-05	0.000130329
6608	8.09755E-05	8.52568E-05	2.62442E-05	7.34464E-05	0.000133779	8.26002E-05	8.65562E-05	1.97589E-05	7.34464E-05	0.000129448
6609	7.74375E-05	8.14242E-05	2.64722E-05	6.93007E-05	0.000133981	7.86365E-05	8.23102E-05	2.02805E-05	6.93007E-05	0.00012966
6610	7.64352E-05	8.02786E-05	2.73023E-05	6.73449E-05	0.000134137	7.72374E-05	8.07617E-05	2.12548E-05	6.73449E-05	0.000129823
6611	7.56502E-05	7.93825E-05	2.79367E-05	6.55316E-05	0.000134556	7.6057E-05	7.9456E-05	2.20643E-05	6.55316E-05	0.000130284
6612	7.47581E-05	7.84817E-05	2.71563E-05	6.49343E-05	0.00012009	7.52365E-05	7.86271E-05	2.13778E-05	6.49343E-05	0.000116933
6613	7.60508E-05	7.987E-05	2.72274E-05	6.59611E-05	0.0001199	7.65288E-05	7.99979E-05	2.14243E-05	6.59611E-05	0.000116717
6614	7.70641E-05	8.1023E-05	2.64546E-05	6.74715E-05	0.00011887	7.77983E-05	8.13994E-05	2.0596E-05	6.74715E-05	0.000115562
6615	8.0398E-05	8.45989E-05	2.66951E-05	7.09698E-05	0.000132032	8.13861E-05	8.52138E-05	2.05842E-05	7.09698E-05	0.000127441
6616	8.67323E-05	9.13017E-05	2.83187E-05	7.65021E-05	0.000130151	8.78049E-05	9.19599E-05	2.18049E-05	7.65021E-05	0.000125329
6617	9.46469E-05	9.96804E-05	3.02991E-05	8.25635E-05	0.000128675	9.55695E-05	0.000100108	2.347E-05	8.25635E-05	0.00012368
6618	0.000103385	0.000108644	3.61475E-05	8.71787E-05	0.000127811	0.000103324	0.000108009	2.89083E-05	8.71787E-05	0.000122718
6619	0.000111723	0.000116913	4.53787E-05	8.95515E-05	9.76835E-05	0.00010992	0.000114468	3.76783E-05	8.95515E-05	9.46974E-05
6620	0.000111627	0.000116497	4.93654E-05	8.66759E-05	6.87993E-05	0.00010877	0.000112992	4.17135E-05	8.66759E-05	6.81205E-05
6621	0.000105904	0.000110409	4.83048E-05	8.03267E-05	5.29518E-05	0.00010253	0.000106398	4.10796E-05	8.03267E-05	5.32323E-05
6622	9.97999E-05	0.000104221	4.32794E-05	7.332E-05	3.86816E-05	9.59762E-05	9.97093E-05	3.66774E-05	7.332E-05	4.0156E-05
6623	8.83435E-05	9.24284E-05	3.61232E-05	6.62746E-05	3.80321E-05	8.54813E-05	8.89615E-05	3.02002E-05	6.62746E-05	3.94325E-05
6624	7.89937E-05	8.29849E-05	2.79714E-05	6.21656E-05	3.76891E-05	7.75326E-05	8.09927E-05	2.25712E-05	6.21656E-05	3.90533E-05
6625	6.76444E-05	7.13823E-05	1.98599E-05	5.54651E-05	3.78147E-05	6.7273E-05	7.05503E-05	1.52137E-05	5.54651E-05	3.91934E-05
6626	6.49433E-05	6.87275E-05	1.65674E-05	5.50093E-05	3.82634E-05	6.52466E-05	6.85958E-05	1.20456E-05	5.50093E-05	3.9703E-05
6627	6.55086E-05	6.94122E-05	1.56046E-05	5.69472E-05	3.94331E-05	6.63142E-05	6.98032E-05	1.08917E-05	5.69472E-05	4.1024E-05
6628	6.91941E-05	7.33578E-05	1.59662E-05	6.1308E-05	4.11899E-05	7.04252E-05	7.41753E-05	1.0856E-05	6.1308E-05	4.30003E-05
6629	7.65823E-05	8.11473E-05	1.82247E-05	6.80105E-05	4.34924E-05	7.79689E-05	8.20879E-05	1.25413E-05	6.80105E-05	4.55816E-05
6630	8.39384E-05	8.88333E-05	2.1363E-05	7.37239E-05	4.38876E-05	8.51431E-05	8.95469E-05	1.51908E-05	7.37239E-05	4.5972E-05
6631	8.56444E-05	9.03779E-05	2.51331E-05	7.60245E-05	0.000134347	8.69708E-05	9.12748E-05	1.86044E-05	7.60245E-05	0.000130144
6632	8.04519E-05	8.46997E-05	2.61491E-05	7.28576E-05	0.000133648	8.20276E-05	8.59501E-05	1.97198E-05	7.28576E-05	0.000129301
6633	7.63672E-05	8.02858E-05	2.62737E-05	6.80629E-05	0.00013394	7.74562E-05	8.10604E-05	2.02041E-05	6.80629E-05	0.000129613
6634	7.53052E-05	7.90765E-05	2.7093E-05	6.60402E-05	0.000134141	7.59918E-05	7.94428E-05	2.1174E-05	6.60402E-05	0.000129824
6635	7.46252E-05	7.82922E-05	2.77467E-05	6.43472E-05	0.000134604	7.49269E-05	7.82594E-05	2.1991E-05	6.43472E-05	0.000130334
6636	7.3857E-05	7.75222E-05	2.70018E-05	6.39954E-05	0.000120127	7.42734E-05	7.76081E-05	2.13024E-05	6.39954E-05	0.000116971
6637	7.52991E-05	7.90691E-05	2.71035E-05	6.5219E-05	0.000119938	7.57376E-05	7.9161E-05	2.1357E-05	6.5219E-05	0.000116755
6638	7.64103E-05	8.03266E-05	2.63454E-05	6.68142E-05	0.000118938	7.71066E-05	8.06678E-05	2.05387E-05	6.68142E-05	0.000115633
6639	7.95656E-05	8.37123E-05	2.6554E-05	7.01154E-05	0.000132128	8.05002E-05	8.42766E-05	2.05132E-05	7.01154E-05	0.000127544
6640	8.58818E-05	9.03961E-05	2.81727E-05	7.56149E-05	0.000130252	8.68956E-05	9.09978E-05	2.17339E-05	7.56149E-05	0.00012544
6641	9.39842E-05	9.89747E-05	3.01866E-05	8.18825E-05	0.000128767	9.4864E-05	9.93621E-05	2.34135E-05	8.18825E-05	0.00012378
6642	0.000102827	0.00010805	3.60508E-05	8.65888E-05	0.000127893	0.000102725	0.000107375	2.88626E-05	8.65888E-05	0.000122808
6643	0.000111391	0.000116559	4.53179E-05	8.91737E-05	9.7737E-05	0.000109556	0.000114082	3.76539E-05	8.91737E-05	9.47551E-05
6644	0.000111117	0.000115954	4.92754E-05	8.61231E-05	6.88623E-05	0.000108219	0.000112408	4.1673E-05	8.61231E-05	6.81888E-05
6645	0.000106998	0.000111592	4.82655E-05	7.99455E-05	5.30423E-05	0.000103236	0.000107148	4.10847E-05	7.99455E-05	5.33311E-05
6646	9.92696E-05	0.000103657	4.31818E-05	7.2713E-05	3.87692E-05	9.53932E-05	9.9092E-05	3.66389E-05	7.2713E-05	4.02513E-05
6647	8.77566E-05	9.18037E-05	3.60195E-05	6.56382E-05	3.81216E-05	8.48467E-05	8.82898E-05	3.01538E-05	6.56382E-05	3.95298E-05
6648	7.85431E-05	8.25054E-05	2.78907E-05	6.16682E-05	3.78238E-05	7.70427E-05	8.04741E-05	2.25365E-05	6.16682E-05	3.92003E-05
6649	6.76444E-05	7.13823E-05	1.98599E-05	5.54651E-05	3.78147E-05	6.7273E-05	7.05503E-05	1.52137E-05	5.54651E-05	3.91934E-05
6650	6.49433E-05	6.87275E-05	1.65674E-05	5.50093E-05	3.82634E-05	6.52466E-05	6.85958E-05	1.20456E-05	5.50093E-05	3.9703E-05
6651	6.55086E-05	6.94122E-05	1.56046E-05	5.69472E-05	3.94331E-05	6.63142E-05	6.98032E-05	1.08917E-05	5.69472E-05	4.1024E-05
6652	6.91941E-05	7.33578E-05	1.59662E-05	6.1308E-05	4.11899E-05	7.04252E-05	7.41753E-05	1.0856E-05	6.1308E-05	4.30003E-05
6653	7.65823E-05	8.11473E-05	1.82247E-05	6.80105E-05	4.34924E-05	7.79689E-05	8.20879E-05	1.25413E-05	6.80105E-05	4.55816E-05
6654	8.39384E-05	8.88333E-05	2.1363E-05	7.37239E-05	4.38876E-05	8.51431E-05	8.95469E-05	1.51908E-05	7.37239E-05	4.5972E-05
6655	8.56444E-05	9.03779E-05	2.51331E-05	7.60245E-05	0.000134347	8.69708E-05	9.12748E-05	1.86044E-05	7.60245E-05	0.000130144
6656	8.04519E-05	8.46997E-05	2.61491E-05	7.28576E-05	0.000133648	8.20276E-05	8.59501E-05	1.97198E-05	7.28576E-05	0.000129301
6657	7.63672E-05	8.02858E-05	2.62737E-05	6.80629E-05	0.00013394	7.74562E-05	8.10604E-05	2.02041E-05	6.80629E-05	0.000129613
6658	7.53052E-05	7.90765E-05	2.7093E-05	6.60402E-05	0.000134141	7.59918E-05	7.94428E-05	2.1174E-05	6.60402E-05	0.000129824
6659	7.46252E-05	7.82922E-05	2.77467E-05	6.43472E-05	0.000134604	7.49269E-05	7.82594E-05	2.1991E-05	6.43472E-05	0.000130334
6660	7.3857E-05	7.75222E-05	2.70018E-05	6.39954E-05	0.000120127	7.42734E-05	7.76081E-05	2.13024E-05	6.39954E-05	0.000116971
6661	7.52991E-05	7.90691E-05	2.71035E-05	6.5219E-05	0.000119938	7.57376E-05	7.9161E-05	2.1357E-05	6.5219E-05	0.000116755
6662	7.64103E-05	8.03266E-05	2.63454E-05	6.68142E-05	0.000118938	7.71066E-05	8.06678E-05	2.05387E-05	6.68142E-05	0.000115633
6663	7.95656E-05	8.37123E-05	2.6554E-05	7.01154E-05	0.000132128	8.05002E-05	8.42766E-05	2.05132E-05	7.01154E-05	0.000127544
6664	8.58818E-05	9.03961E-05	2.81727E-05	7.56149E-05	0.000130252	8.68956E-05	9.09978E-05	2.17339E-05	7.56149E-05	0.00012544
6665	9.39842E-05	9.89747E-05	3.01866E-05	8.18825E-05	0.000128767	9.4864E-05	9.93621E-05	2.34135E-05	8.18825E-05	0.00012378
6666	0.000102827	0.00010805	3.60508E-05	8.65888E-05	0.000127893	0.000102725	0.000107375	2.88626E-05	8.65888E-05	0.000122808
6667	0.000111391	0.000116559	4.53179E-05	8.91737E-05	9.7737E-05	0.000109556	0.000114082	3.76539E-05	8.91737E-05	9.47551E-05
6668	0.000111117	0.000115954	4.92754E-05	8.61231E-05	6.88623E-05	0.000108219	0.000112408	4.1673E-05	8.61231E-05	6.81888E-05
6669	0.000106998	0.000111592	4.82655E-05	7.99455E-05	5.30423E-05	0.000103236	0.000107148	4.10847E-05	7.99455E-05	5.33311E-05
6670	9.92696E-05	0.000103657	4.31818E-05	7.2713E-05	3.87692E-05	9.53932E-05	9.9092E-05	3.66389E-05	7.2713E-05	4.02513E-05
6671	8.77566E-05	9.18037E-05	3.60195E-05	6.56382E-05	3.81216E-05	8.48467E-05	8.82898E-05	3.01538E-05	6.56382E-05	3.95298E-05
6672	7.85431E-05	8.25054E-05	2.78907E-05	6.16682E-05	3.78238E-05	7.70427E-05	8.04741E-05	2.25365E-05	6.16682E-05	3.92003E-05
6673	6.76444E-05	7.13823E-05	1.98599E-05	5.54651E-05	3.78147E-05	6.7273E-05	7.05503E-05	1.52137E-05	5.54651E-05	3.91934E-05
6674	6.49433E-05	6.87275E-05	1.65674E-05	5.50093E-05	3.82634E-05	6.52466E-05	6.85958E-05	1.20456E-05	5.50093E-05	3.9703E-05
6675	6.55086E-05	6.94122E-05	1.56046E-05	5.69472E-05	3.94331E-05	6.63142E-05	6.98032E-05	1.08917E-05	5.69472E-05	4.1024E-05
6676	6.91941E-05	7.33578E-05	1.59662E-05	6.1308E-05	4.11899E-05	7.04252E-05	7.41753E-05	1.0856E-05	6.1308E-05	4.30003E-05
6677	7.65823E-05	8.11473E-05	1.82247E-05	6.80105E-05	4.34924E-05	7.79689E-05	8.20879E-05	1.25413E-05	6.80105E-05	4.55816E-05
6678	8.39384E-05	8.88333E-05	2.1363E-05	7.37239E-05	4.38876E-05	8.51431E-05	8.95469E-05	1.51908E-05	7.37239E-05	4.5972E-05
6679	8.56444E-05	9.03779E-05	2.51331E-05	7.60245E-05	0.000134347	8.69708E-05	9.12748E-05	1.86044E-05	7.60245E-05	0.000130144

6680	8.04519E-05	8.46997E-05	2.61491E-05	7.28576E-05	0.000133648	8.20276E-05	8.59501E-05	1.97198E-05	7.28576E-05	0.000129301
6681	7.63672E-05	8.02858E-05	2.62737E-05	6.80629E-05	0.00013394	7.74562E-05	8.10604E-05	2.02041E-05	6.80629E-05	0.000129613
6682	7.53052E-05	7.90765E-05	2.7093E-05	6.60402E-05	0.000134141	7.59918E-05	7.94428E-05	2.1174E-05	6.60402E-05	0.000129824
6683	7.46252E-05	7.82922E-05	2.77467E-05	6.43472E-05	0.000134604	7.49269E-05	7.82594E-05	2.1991E-05	6.43472E-05	0.000130334
6684	7.3857E-05	7.75222E-05	2.70018E-05	6.39954E-05	0.000120127	7.42734E-05	7.76081E-05	2.13024E-05	6.39954E-05	0.000116971
6685	7.52991E-05	7.90691E-05	2.71035E-05	6.5219E-05	0.000119938	7.57376E-05	7.9161E-05	2.1357E-05	6.5219E-05	0.000116755
6686	7.64103E-05	8.03266E-05	2.63454E-05	6.68142E-05	0.000118938	7.71066E-05	8.06678E-05	2.05387E-05	6.68142E-05	0.000115633
6687	7.95656E-05	8.37123E-05	2.6554E-05	7.01154E-05	0.000132128	8.05002E-05	8.42766E-05	2.05132E-05	7.01154E-05	0.000127544
6688	8.58818E-05	9.03961E-05	2.81727E-05	7.56149E-05	0.000130252	8.68956E-05	9.09978E-05	2.17339E-05	7.56149E-05	0.00012544
6689	9.39842E-05	9.89747E-05	3.01866E-05	8.18825E-05	0.000128767	9.4864E-05	9.93621E-05	2.34135E-05	8.18825E-05	0.00012378
6690	0.000102827	0.00010805	3.60508E-05	8.65888E-05	0.000127893	0.000102725	0.000107375	2.88626E-05	8.65888E-05	0.000122808
6691	0.000111391	0.000116559	4.53179E-05	8.91737E-05	9.7737E-05	0.000109556	0.000114082	3.76539E-05	8.91737E-05	9.47551E-05
6692	0.000111117	0.000115954	4.92754E-05	8.61231E-05	6.88623E-05	0.000108219	0.000112408	4.1673E-05	8.61231E-05	6.81888E-05
6693	0.000106998	0.000111592	4.82655E-05	7.99455E-05	5.30423E-05	0.000103236	0.000107148	4.10847E-05	7.99455E-05	5.33311E-05
6694	9.92696E-05	0.000103657	4.31818E-05	7.2713E-05	3.87692E-05	9.53932E-05	9.9092E-05	3.66389E-05	7.2713E-05	4.02513E-05
6695	8.77566E-05	9.18037E-05	3.60195E-05	6.56382E-05	3.81216E-05	8.48467E-05	8.82898E-05	3.01538E-05	6.56382E-05	3.95298E-05
6696	7.85431E-05	8.25054E-05	2.78907E-05	6.16682E-05	3.78238E-05	7.70427E-05	8.04741E-05	2.25365E-05	6.16682E-05	3.92003E-05
6697	6.76444E-05	7.13823E-05	1.98599E-05	5.54651E-05	3.78147E-05	6.7273E-05	7.05503E-05	1.52137E-05	5.54651E-05	3.91934E-05
6698	6.49433E-05	6.87275E-05	1.65674E-05	5.50093E-05	3.82634E-05	6.52466E-05	6.85958E-05	1.20456E-05	5.50093E-05	3.9703E-05
6699	6.55086E-05	6.94122E-05	1.56046E-05	5.69472E-05	3.94331E-05	6.63142E-05	6.98032E-05	1.08917E-05	5.69472E-05	4.1024E-05
6700	6.91941E-05	7.33578E-05	1.59662E-05	6.1308E-05	4.11899E-05	7.04252E-05	7.41753E-05	1.0856E-05	6.1308E-05	4.30003E-05
6701	7.65823E-05	8.11473E-05	1.82247E-05	6.80105E-05	4.34924E-05	7.79689E-05	8.20879E-05	1.25413E-05	6.80105E-05	4.55816E-05
6702	8.39384E-05	8.88333E-05	2.1363E-05	7.37239E-05	4.38876E-05	8.51431E-05	8.95469E-05	1.51908E-05	7.37239E-05	4.5972E-05
6703	8.56444E-05	9.03779E-05	2.51331E-05	7.60245E-05	0.000134347	8.69708E-05	9.12748E-05	1.86044E-05	7.60245E-05	0.000130144
6704	8.04519E-05	8.46997E-05	2.61491E-05	7.28576E-05	0.000133648	8.20276E-05	8.59501E-05	1.97198E-05	7.28576E-05	0.000129301
6705	7.63672E-05	8.02858E-05	2.62737E-05	6.80629E-05	0.00013394	7.74562E-05	8.10604E-05	2.02041E-05	6.80629E-05	0.000129613
6706	7.53052E-05	7.90765E-05	2.7093E-05	6.60402E-05	0.000134141	7.59918E-05	7.94428E-05	2.1174E-05	6.60402E-05	0.000129824
6707	7.46252E-05	7.82922E-05	2.77467E-05	6.43472E-05	0.000134604	7.49269E-05	7.82594E-05	2.1991E-05	6.43472E-05	0.000130334
6708	7.3857E-05	7.75222E-05	2.70018E-05	6.39954E-05	0.000120127	7.42734E-05	7.76081E-05	2.13024E-05	6.39954E-05	0.000116971
6709	7.52991E-05	7.90691E-05	2.71035E-05	6.5219E-05	0.000119938	7.57376E-05	7.9161E-05	2.1357E-05	6.5219E-05	0.000116755
6710	7.64103E-05	8.03266E-05	2.63454E-05	6.68142E-05	0.000118938	7.71066E-05	8.06678E-05	2.05387E-05	6.68142E-05	0.000115633
6711	7.95656E-05	8.37123E-05	2.6554E-05	7.01154E-05	0.000132128	8.05002E-05	8.42766E-05	2.05132E-05	7.01154E-05	0.000127544
6712	8.58818E-05	9.03961E-05	2.81727E-05	7.56149E-05	0.000130252	8.68956E-05	9.09978E-05	2.17339E-05	7.56149E-05	0.00012544
6713	9.39842E-05	9.89747E-05	3.01866E-05	8.18825E-05	0.000128767	9.4864E-05	9.93621E-05	2.34135E-05	8.18825E-05	0.00012378
6714	0.000102827	0.00010805	3.60508E-05	8.65888E-05	0.000127893	0.000102725	0.000107375	2.88626E-05	8.65888E-05	0.000122808
6715	0.000111391	0.000116559	4.53179E-05	8.91737E-05	9.7737E-05	0.000109556	0.000114082	3.76539E-05	8.91737E-05	9.47551E-05
6716	0.000111117	0.000115954	4.92754E-05	8.61231E-05	6.88623E-05	0.000108219	0.000112408	4.1673E-05	8.61231E-05	6.81888E-05
6717	0.000106998	0.000111592	4.82655E-05	7.99455E-05	5.30423E-05	0.000103236	0.000107148	4.10847E-05	7.99455E-05	5.33311E-05
6718	9.92696E-05	0.000103657	4.31818E-05	7.2713E-05	3.87692E-05	9.53932E-05	9.9092E-05	3.66389E-05	7.2713E-05	4.02513E-05
6719	8.77566E-05	9.18037E-05	3.60195E-05	6.56382E-05	3.81216E-05	8.48467E-05	8.82898E-05	3.01538E-05	6.56382E-05	3.95298E-05
6720	7.85431E-05	8.25054E-05	2.78907E-05	6.16682E-05	3.78238E-05	7.70427E-05	8.04741E-05	2.25365E-05	6.16682E-05	3.92003E-05
6721	6.76444E-05	7.13823E-05	1.98599E-05	5.54651E-05	3.78147E-05	6.7273E-05	7.05503E-05	1.52137E-05	5.54651E-05	3.91934E-05
6722	6.49433E-05	6.87275E-05	1.65674E-05	5.50093E-05	3.82634E-05	6.52466E-05	6.85958E-05	1.20456E-05	5.50093E-05	3.9703E-05
6723	6.55086E-05	6.94122E-05	1.56046E-05	5.69472E-05	3.94331E-05	6.63142E-05	6.98032E-05	1.08917E-05	5.69472E-05	4.1024E-05
6724	6.91941E-05	7.33578E-05	1.59662E-05	6.1308E-05	4.11899E-05	7.04252E-05	7.41753E-05	1.0856E-05	6.1308E-05	4.30003E-05
6725	7.65823E-05	8.11473E-05	1.82247E-05	6.80105E-05	4.34924E-05	7.79689E-05	8.20879E-05	1.25413E-05	6.80105E-05	4.55816E-05
6726	8.39384E-05	8.88333E-05	2.1363E-05	7.37239E-05	4.38876E-05	8.51431E-05	8.95469E-05	1.51908E-05	7.37239E-05	4.5972E-05
6727	8.56444E-05	9.03779E-05	2.51331E-05	7.60245E-05	0.000134347	8.69708E-05	9.12748E-05	1.86044E-05	7.60245E-05	0.000130144
6728	8.04519E-05	8.46997E-05	2.61491E-05	7.28576E-05	0.000133648	8.20276E-05	8.59501E-05	1.97198E-05	7.28576E-05	0.000129301
6729	7.63672E-05	8.02858E-05	2.62737E-05	6.80629E-05	0.00013394	7.74562E-05	8.10604E-05	2.02041E-05	6.80629E-05	0.000129613
6730	7.53052E-05	7.90765E-05	2.7093E-05	6.60402E-05	0.000134141	7.59918E-05	7.94428E-05	2.1174E-05	6.60402E-05	0.000129824
6731	7.46252E-05	7.82922E-05	2.77467E-05	6.43472E-05	0.000134604	7.49269E-05	7.82594E-05	2.1991E-05	6.43472E-05	0.000130334
6732	7.3857E-05	7.75222E-05	2.70018E-05	6.39954E-05	0.000120127	7.42734E-05	7.76081E-05	2.13024E-05	6.39954E-05	0.000116971
6733	7.52991E-05	7.90691E-05	2.71035E-05	6.5219E-05	0.000119938	7.57376E-05	7.9161E-05	2.1357E-05	6.5219E-05	0.000116755
6734	7.64103E-05	8.03266E-05	2.63454E-05	6.68142E-05	0.000118938	7.71066E-05	8.06678E-05	2.05387E-05	6.68142E-05	0.000115633
6735	7.95656E-05	8.37123E-05	2.6554E-05	7.01154E-05	0.000132128	8.05002E-05	8.42766E-05	2.05132E-05	7.01154E-05	0.000127544
6736	8.58818E-05	9.03961E-05	2.81727E-05	7.56149E-05	0.000130252	8.68956E-05	9.09978E-05	2.17339E-05	7.56149E-05	0.00012544
6737	9.39842E-05	9.89747E-05	3.01866E-05	8.18825E-05	0.000128767	9.4864E-05	9.93621E-05	2.34135E-05	8.18825E-05	0.00012378
6738	0.000102827	0.00010805	3.60508E-05	8.65888E-05	0.000127893	0.000102725	0.000107375	2.88626E-05	8.65888E-05	0.000122808
6739	0.000111391	0.000116559	4.53179E-05	8.91737E-05	9.7737E-05	0.000109556	0.000114082	3.76539E-05	8.91737E-05	9.47551E-05
6740	0.000111117	0.000115954	4.92754E-05	8.61231E-05	6.88623E-05	0.000108219	0.000112408	4.1673E-05	8.61231E-05	6.81888E-05
6741	0.000106998	0.000111592	4.82655E-05	7.99455E-05	5.30423E-05	0.000103236	0.000107148	4.10847E-05	7.99455E-05	5.33311E-05
6742	9.92696E-05	0.000103657	4.31818E-05	7.2713E-05	3.87692E-05	9.53932E-05	9.9092E-05	3.66389E-05	7.2713E-05	4.02513E-05
6743	8.77566E-05	9.18037E-05	3.60195E-05	6.56382E-05	3.81216E-05	8.48467E-05	8.82898E-05	3.01538E-05	6.56382E-05	3.95298E-05
6744	7.85431E-05	8.25054E-05	2.78907E-05	6.16682E-05	3.78238E-05	7.70427E-05	8.04741E-05	2.25365E-05	6.16682E-05	3.92003E-05
6745	6.75215E-05	7.12511E-05	1.98438E-05	5.53779E-05	3.79734E-05	6.71538E-05	7.04245E-05	1.5199E-05	5.53779E-05	3.93673E-05
6746	6.49466E-05	6.87308E-05	1.65704E-05	5.5032E-05	3.84492E-05	6.52558E-05	6.86057E-05	1.20438E-05	5.5032E-05	3.99071E-05
6747	6.5465E-05	6.93661E-05	1.55948E-05	5.68829E-05	3.96212E-05	6.6262E-05	6.97479E-05	1.08901E-05	5.68829E-05	4.12308E-05
6748	6.91814E-05	7.33446E-05	1.59604E-05	6.1265E-05	4.14141E-05	7.04027E-05	7.41513E-05	1.08581E-05	6.1265E-05	4.32483E-05
6749	7.65396E-05	8.11026E-05	1.82078E-05	6.78872E-05	4.3713E-05	7.78999E-05	8.20141E-05	1.25462E-05	6.78872E-05	4.5826E-05
6750	8.39042E-05	8.87973E-05	2.1352E-05	7.36463E-05	4.41125E-05	8.50941E-05	8.94947E-05	1.51924E-05	7.36463E-05	4.62217E-05
6751	8.7392E-05	9.2256E-05	2.52107E-05	7.63646E-05	0.000134513	8.83874E-05	9.27771E-05	1.86598E-05	7.63646E-05	0.000130329
6752	8.09755E-05	8.52568E-05	2.62442E-05	7.34464E-05	0.000133779	8.26002E-05	8.65562E-05	1.97589E-05	7.34464E-05	0.000129448
6753	7.74375E-05	8.14242E-05	2.64722E-05	6.93007E-05	0.000133981	7.86365E-05	8.23102E-05	2.02805E-05	6.93007E-05	0.00012966
6754	7.64352E-05	8.02786E-05	2.73023E-05	6.73449E-05	0.000134137	7.72374E-05	8.07617E-05	2.12548E-05	6.73449E-05	0.000129823
6755	7.56502E-05	7.93825E-05	2.79367E-05	6.55316E-05	0.000134556	7.6057E-05	7.9456E-05	2.20643E-05	6.55316E-05	0.000130284

6756	7.47581E-05	7.84817E-05	2.71563E-05	6.49343E-05	0.00012009	7.52365E-05	7.86271E-05	2.13778E-05	6.49343E-05	0.000116933
6757	7.60508E-05	7.987E-05	2.72274E-05	6.59611E-05	0.0001199	7.65288E-05	7.99979E-05	2.14243E-05	6.59611E-05	0.000116717
6758	7.70641E-05	8.1023E-05	2.64546E-05	6.74715E-05	0.00011887	7.77983E-05	8.13994E-05	2.0596E-05	6.74715E-05	0.000115562
6759	8.0398E-05	8.45989E-05	2.66951E-05	7.09698E-05	0.000132032	8.13861E-05	8.52138E-05	2.05842E-05	7.09698E-05	0.000127441
6760	8.67323E-05	9.13017E-05	2.83187E-05	7.65021E-05	0.000130151	8.78049E-05	9.19599E-05	2.18049E-05	7.65021E-05	0.000125329
6761	9.46469E-05	9.96804E-05	3.02991E-05	8.25635E-05	0.000128675	9.55695E-05	0.000100108	2.347E-05	8.25635E-05	0.00012368
6762	0.000103385	0.000108644	3.61475E-05	8.71787E-05	0.000127811	0.000103324	0.000108009	2.89083E-05	8.71787E-05	0.000122718
6763	0.000111723	0.000116913	4.53787E-05	8.95515E-05	9.76835E-05	0.00010992	0.000114468	3.76783E-05	8.95515E-05	9.46974E-05
6764	0.000111627	0.000116497	4.93654E-05	8.66759E-05	6.87993E-05	0.00010877	0.000112992	4.17135E-05	8.66759E-05	6.81205E-05
6765	0.000105904	0.000110409	4.83048E-05	8.03267E-05	5.29518E-05	0.00010253	0.000106398	4.10796E-05	8.03267E-05	5.32323E-05
6766	9.97999E-05	0.000104221	4.32794E-05	7.332E-05	3.86816E-05	9.59762E-05	9.97093E-05	3.66774E-05	7.332E-05	4.0156E-05
6767	8.83435E-05	9.24284E-05	3.61232E-05	6.62746E-05	3.80321E-05	8.54813E-05	8.89615E-05	3.02002E-05	6.62746E-05	3.94325E-05
6768	7.89937E-05	8.29849E-05	2.79714E-05	6.21656E-05	3.76891E-05	7.75326E-05	8.09927E-05	2.25712E-05	6.21656E-05	3.90533E-05
6769	6.75215E-05	7.12511E-05	1.98438E-05	5.53779E-05	3.79734E-05	6.71538E-05	7.04245E-05	1.5199E-05	5.53779E-05	3.93673E-05
6770	6.49466E-05	6.87308E-05	1.65704E-05	5.5032E-05	3.84492E-05	6.52558E-05	6.86057E-05	1.20438E-05	5.5032E-05	3.99071E-05
6771	6.5465E-05	6.93661E-05	1.55948E-05	5.68829E-05	3.96212E-05	6.6262E-05	6.97479E-05	1.08901E-05	5.68829E-05	4.12308E-05
6772	6.91814E-05	7.33446E-05	1.59604E-05	6.1265E-05	4.14141E-05	7.04027E-05	7.41513E-05	1.08581E-05	6.1265E-05	4.32483E-05
6773	7.65396E-05	8.11026E-05	1.82078E-05	6.78872E-05	4.3713E-05	7.78999E-05	8.20141E-05	1.25462E-05	6.78872E-05	4.5826E-05
6774	8.39042E-05	8.87973E-05	2.1352E-05	7.36463E-05	4.41125E-05	8.50941E-05	8.94947E-05	1.51924E-05	7.36463E-05	4.62217E-05
6775	8.7392E-05	9.2256E-05	2.52107E-05	7.63646E-05	0.000134513	8.83874E-05	9.27771E-05	1.86598E-05	7.63646E-05	0.000130329
6776	8.09755E-05	8.52568E-05	2.62442E-05	7.34464E-05	0.000133779	8.26002E-05	8.65562E-05	1.97589E-05	7.34464E-05	0.000129448
6777	7.74375E-05	8.14242E-05	2.64722E-05	6.93007E-05	0.000133981	7.86365E-05	8.23102E-05	2.02805E-05	6.93007E-05	0.00012966
6778	7.64352E-05	8.02786E-05	2.73023E-05	6.73449E-05	0.000134137	7.72374E-05	8.07617E-05	2.12548E-05	6.73449E-05	0.000129823
6779	7.56502E-05	7.93825E-05	2.79367E-05	6.55316E-05	0.000134556	7.6057E-05	7.9456E-05	2.20643E-05	6.55316E-05	0.000130284
6780	7.47581E-05	7.84817E-05	2.71563E-05	6.49343E-05	0.00012009	7.52365E-05	7.86271E-05	2.13778E-05	6.49343E-05	0.000116933
6781	7.60508E-05	7.987E-05	2.72274E-05	6.59611E-05	0.0001199	7.65288E-05	7.99979E-05	2.14243E-05	6.59611E-05	0.000116717
6782	7.70641E-05	8.1023E-05	2.64546E-05	6.74715E-05	0.00011887	7.77983E-05	8.13994E-05	2.0596E-05	6.74715E-05	0.000115562
6783	8.0398E-05	8.45989E-05	2.66951E-05	7.09698E-05	0.000132032	8.13861E-05	8.52138E-05	2.05842E-05	7.09698E-05	0.000127441
6784	8.67323E-05	9.13017E-05	2.83187E-05	7.65021E-05	0.000130151	8.78049E-05	9.19599E-05	2.18049E-05	7.65021E-05	0.000125329
6785	9.46469E-05	9.96804E-05	3.02991E-05	8.25635E-05	0.000128675	9.55695E-05	0.000100108	2.347E-05	8.25635E-05	0.00012368
6786	0.000103385	0.000108644	3.61475E-05	8.71787E-05	0.000127811	0.000103324	0.000108009	2.89083E-05	8.71787E-05	0.000122718
6787	0.000111723	0.000116913	4.53787E-05	8.95515E-05	9.76835E-05	0.00010992	0.000114468	3.76783E-05	8.95515E-05	9.46974E-05
6788	0.000111627	0.000116497	4.93654E-05	8.66759E-05	6.87993E-05	0.00010877	0.000112992	4.17135E-05	8.66759E-05	6.81205E-05
6789	0.000105904	0.000110409	4.83048E-05	8.03267E-05	5.29518E-05	0.00010253	0.000106398	4.10796E-05	8.03267E-05	5.32323E-05
6790	9.97999E-05	0.000104221	4.32794E-05	7.332E-05	3.86816E-05	9.59762E-05	9.97093E-05	3.66774E-05	7.332E-05	4.0156E-05
6791	8.83435E-05	9.24284E-05	3.61232E-05	6.62746E-05	3.80321E-05	8.54813E-05	8.89615E-05	3.02002E-05	6.62746E-05	3.94325E-05
6792	7.89937E-05	8.29849E-05	2.79714E-05	6.21656E-05	3.76891E-05	7.75326E-05	8.09927E-05	2.25712E-05	6.21656E-05	3.90533E-05
6793	6.76444E-05	7.13823E-05	1.98599E-05	5.54651E-05	3.78147E-05	6.7273E-05	7.05503E-05	1.52137E-05	5.54651E-05	3.91934E-05
6794	6.49433E-05	6.87275E-05	1.65674E-05	5.50093E-05	3.82634E-05	6.52466E-05	6.85958E-05	1.20456E-05	5.50093E-05	3.9703E-05
6795	6.55086E-05	6.94122E-05	1.56046E-05	5.69472E-05	3.94331E-05	6.63142E-05	6.98032E-05	1.08917E-05	5.69472E-05	4.1024E-05
6796	6.91941E-05	7.33578E-05	1.59662E-05	6.1308E-05	4.11899E-05	7.04252E-05	7.41753E-05	1.0856E-05	6.1308E-05	4.30003E-05
6797	7.65823E-05	8.11473E-05	1.82247E-05	6.80105E-05	4.34924E-05	7.79689E-05	8.20879E-05	1.25413E-05	6.80105E-05	4.55816E-05
6798	8.39384E-05	8.88333E-05	2.1363E-05	7.37239E-05	4.38876E-05	8.51431E-05	8.95469E-05	1.51908E-05	7.37239E-05	4.5972E-05
6799	8.56444E-05	9.03779E-05	2.51331E-05	7.60245E-05	0.000134347	8.69708E-05	9.12748E-05	1.86044E-05	7.60245E-05	0.000130144
6800	8.04519E-05	8.46997E-05	2.61491E-05	7.28576E-05	0.000133648	8.20276E-05	8.59501E-05	1.97198E-05	7.28576E-05	0.000129301
6801	7.63672E-05	8.02858E-05	2.62737E-05	6.80629E-05	0.00013394	7.74562E-05	8.10604E-05	2.02041E-05	6.80629E-05	0.000129613
6802	7.53052E-05	7.90765E-05	2.7093E-05	6.60402E-05	0.000134141	7.59918E-05	7.94428E-05	2.1174E-05	6.60402E-05	0.000129824
6803	7.46252E-05	7.82922E-05	2.77467E-05	6.43472E-05	0.000134604	7.49269E-05	7.82594E-05	2.1991E-05	6.43472E-05	0.000130334
6804	7.3857E-05	7.75222E-05	2.70018E-05	6.39954E-05	0.000120127	7.42734E-05	7.76081E-05	2.13024E-05	6.39954E-05	0.000116971
6805	7.52991E-05	7.90691E-05	2.71035E-05	6.5219E-05	0.000119938	7.57376E-05	7.9161E-05	2.1357E-05	6.5219E-05	0.000116755
6806	7.64103E-05	8.03266E-05	2.63454E-05	6.68142E-05	0.000118938	7.71066E-05	8.06678E-05	2.05387E-05	6.68142E-05	0.000115633
6807	7.95656E-05	8.37123E-05	2.6554E-05	7.01154E-05	0.000132128	8.05002E-05	8.42766E-05	2.05132E-05	7.01154E-05	0.000127544
6808	8.58818E-05	9.03961E-05	2.81727E-05	7.56149E-05	0.000130252	8.68956E-05	9.09978E-05	2.17339E-05	7.56149E-05	0.00012544
6809	9.39842E-05	9.89747E-05	3.01866E-05	8.18825E-05	0.000128767	9.4864E-05	9.93621E-05	2.34135E-05	8.18825E-05	0.00012378
6810	0.000102827	0.00010805	3.60508E-05	8.65888E-05	0.000127893	0.000102725	0.000107375	2.88626E-05	8.65888E-05	0.000122808
6811	0.000111391	0.000116559	4.53179E-05	8.91737E-05	9.7737E-05	0.000109556	0.000114082	3.76539E-05	8.91737E-05	9.47551E-05
6812	0.000111117	0.000115954	4.92754E-05	8.61231E-05	6.88623E-05	0.000108219	0.000112408	4.1673E-05	8.61231E-05	6.81888E-05
6813	0.000106998	0.000111592	4.82655E-05	7.99455E-05	5.30423E-05	0.000103236	0.000107148	4.10847E-05	7.99455E-05	5.33311E-05
6814	9.92696E-05	0.000103657	4.31818E-05	7.2713E-05	3.87692E-05	9.53932E-05	9.9092E-05	3.66389E-05	7.2713E-05	4.02513E-05
6815	8.77566E-05	9.18037E-05	3.60195E-05	6.56382E-05	3.81216E-05	8.48467E-05	8.82898E-05	3.01538E-05	6.56382E-05	3.95298E-05
6816	7.85431E-05	8.25054E-05	2.78907E-05	6.16682E-05	3.78238E-05	7.70427E-05	8.04741E-05	2.25365E-05	6.16682E-05	3.92003E-05
6817	6.76444E-05	7.13823E-05	1.98599E-05	5.54651E-05	3.78147E-05	6.7273E-05	7.05503E-05	1.52137E-05	5.54651E-05	3.91934E-05
6818	6.49433E-05	6.87275E-05	1.65674E-05	5.50093E-05	3.82634E-05	6.52466E-05	6.85958E-05	1.20456E-05	5.50093E-05	3.9703E-05
6819	6.55086E-05	6.94122E-05	1.56046E-05	5.69472E-05	3.94331E-05	6.63142E-05	6.98032E-05	1.08917E-05	5.69472E-05	4.1024E-05
6820	6.91941E-05	7.33578E-05	1.59662E-05	6.1308E-05	4.11899E-05	7.04252E-05	7.41753E-05	1.0856E-05	6.1308E-05	4.30003E-05
6821	7.65823E-05	8.11473E-05	1.82247E-05	6.80105E-05	4.34924E-05	7.79689E-05	8.20879E-05	1.25413E-05	6.80105E-05	4.55816E-05
6822	8.39384E-05	8.88333E-05	2.1363E-05	7.37239E-05	4.38876E-05	8.51431E-05	8.95469E-05	1.51908E-05	7.37239E-05	4.5972E-05
6823	8.56444E-05	9.03779E-05	2.51331E-05	7.60245E-05	0.000134347	8.69708E-05	9.12748E-05	1.86044E-05	7.60245E-05	0.000130144
6824	8.04519E-05	8.46997E-05	2.61491E-05	7.28576E-05	0.000133648	8.20276E-05	8.59501E-05	1.97198E-05	7.28576E-05	0.000129301
6825	7.63672E-05	8.02858E-05	2.62737E-05	6.80629E-05	0.00013394	7.74562E-05	8.10604E-05	2.02041E-05	6.80629E-05	0.000129613
6826	7.53052E-05	7.90765E-05	2.7093E-05	6.60402E-05	0.000134141	7.59918E-05	7.94428E-05	2.1174E-05	6.60402E-05	0.000129824
6827	7.46252E-05	7.82922E-05	2.77467E-05	6.43472E-05	0.000134604	7.49269E-05	7.82594E-05	2.1991E-05	6.43472E-05	0.000130334
6828	7.3857E-05	7.75222E-05	2.70018E-05	6.39954E-05	0.000120127	7.42734E-05	7.76081E-05	2.13024E-05	6.39954E-05	0.000116971
6829	7.52991E-05	7.90691E-05	2.71035E-05	6.5219E-05	0.000119938	7.57376E-05	7.9161E-05	2.1357E-05	6.5219E-05	0.000116755
6830	7.64103E-05	8.03266E-05	2.63454E-05	6.68142E-05	0.000118938	7.71066E-05	8.06678E-05	2.05387E-05	6.68142E-05	0.000115633
6831	7.95656E-05	8.37123E-05	2.6554E-05	7.01154E-05	0.000132128	8.05002E-05	8.42766E-05	2.05132E-05	7.01154E-05	0.000127544

6832	8.58818E-05	9.03961E-05	2.81727E-05	7.56149E-05	0.000130252	8.68956E-05	9.09978E-05	2.17339E-05	7.56149E-05	0.00012544
6833	9.39842E-05	9.89747E-05	3.01866E-05	8.18825E-05	0.000128767	9.4864E-05	9.93621E-05	2.34135E-05	8.18825E-05	0.00012378
6834	0.000102827	0.00010805	3.60508E-05	8.65888E-05	0.000127893	0.000102725	0.000107375	2.88626E-05	8.65888E-05	0.000122808
6835	0.000111391	0.000116559	4.53179E-05	8.91737E-05	9.7737E-05	0.000109556	0.000114082	3.76539E-05	8.91737E-05	9.47551E-05
6836	0.000111117	0.000115954	4.92754E-05	8.61231E-05	6.88623E-05	0.000108219	0.000112408	4.1673E-05	8.61231E-05	6.81888E-05
6837	0.000106998	0.000111592	4.82655E-05	7.99455E-05	5.30423E-05	0.000103236	0.000107148	4.10847E-05	7.99455E-05	5.33311E-05
6838	9.92696E-05	0.000103657	4.31818E-05	7.2713E-05	3.87692E-05	9.53932E-05	9.9092E-05	3.66389E-05	7.2713E-05	4.02513E-05
6839	8.77566E-05	9.18037E-05	3.60195E-05	6.56382E-05	3.81216E-05	8.48467E-05	8.82898E-05	3.01538E-05	6.56382E-05	3.95298E-05
6840	7.85431E-05	8.25054E-05	2.78907E-05	6.16682E-05	3.78238E-05	7.70427E-05	8.04741E-05	2.25365E-05	6.16682E-05	3.92003E-05
6841	6.76444E-05	7.13823E-05	1.98599E-05	5.54651E-05	3.78147E-05	6.7273E-05	7.05503E-05	1.52137E-05	5.54651E-05	3.91934E-05
6842	6.49433E-05	6.87275E-05	1.65674E-05	5.50093E-05	3.82634E-05	6.52466E-05	6.85958E-05	1.20456E-05	5.50093E-05	3.9703E-05
6843	6.55086E-05	6.94122E-05	1.56046E-05	5.69472E-05	3.94331E-05	6.63142E-05	6.98032E-05	1.08917E-05	5.69472E-05	4.1024E-05
6844	6.91941E-05	7.33578E-05	1.59662E-05	6.1308E-05	4.11899E-05	7.04252E-05	7.41753E-05	1.0856E-05	6.1308E-05	4.30003E-05
6845	7.65823E-05	8.11473E-05	1.82247E-05	6.80105E-05	4.34924E-05	7.79689E-05	8.20879E-05	1.25413E-05	6.80105E-05	4.55816E-05
6846	8.39384E-05	8.88333E-05	2.1363E-05	7.37239E-05	4.38876E-05	8.51431E-05	8.95469E-05	1.51908E-05	7.37239E-05	4.5972E-05
6847	8.56444E-05	9.03779E-05	2.51331E-05	7.60245E-05	0.000134347	8.69708E-05	9.12748E-05	1.86044E-05	7.60245E-05	0.000130144
6848	8.04519E-05	8.46997E-05	2.61491E-05	7.28576E-05	0.000133648	8.20276E-05	8.59501E-05	1.97198E-05	7.28576E-05	0.000129301
6849	7.63672E-05	8.02858E-05	2.62737E-05	6.80629E-05	0.00013394	7.74562E-05	8.10604E-05	2.02041E-05	6.80629E-05	0.000129613
6850	7.53052E-05	7.90765E-05	2.7093E-05	6.60402E-05	0.000134141	7.59918E-05	7.94428E-05	2.1174E-05	6.60402E-05	0.000129824
6851	7.46252E-05	7.82922E-05	2.77467E-05	6.43472E-05	0.000134604	7.49269E-05	7.82594E-05	2.1991E-05	6.43472E-05	0.000130334
6852	7.3857E-05	7.75222E-05	2.70018E-05	6.39954E-05	0.000120127	7.42734E-05	7.76081E-05	2.13024E-05	6.39954E-05	0.000116971
6853	7.52991E-05	7.90691E-05	2.71035E-05	6.5219E-05	0.000119938	7.57376E-05	7.9161E-05	2.1357E-05	6.5219E-05	0.000116755
6854	7.64103E-05	8.03266E-05	2.63454E-05	6.68142E-05	0.000118938	7.71066E-05	8.06678E-05	2.05387E-05	6.68142E-05	0.000115633
6855	7.95656E-05	8.37123E-05	2.6554E-05	7.01154E-05	0.000132128	8.05002E-05	8.42766E-05	2.05132E-05	7.01154E-05	0.000127544
6856	8.58818E-05	9.03961E-05	2.81727E-05	7.56149E-05	0.000130252	8.68956E-05	9.09978E-05	2.17339E-05	7.56149E-05	0.00012544
6857	9.39842E-05	9.89747E-05	3.01866E-05	8.18825E-05	0.000128767	9.4864E-05	9.93621E-05	2.34135E-05	8.18825E-05	0.00012378
6858	0.000102827	0.00010805	3.60508E-05	8.65888E-05	0.000127893	0.000102725	0.000107375	2.88626E-05	8.65888E-05	0.000122808
6859	0.000111391	0.000116559	4.53179E-05	8.91737E-05	9.7737E-05	0.000109556	0.000114082	3.76539E-05	8.91737E-05	9.47551E-05
6860	0.000111117	0.000115954	4.92754E-05	8.61231E-05	6.88623E-05	0.000108219	0.000112408	4.1673E-05	8.61231E-05	6.81888E-05
6861	0.000106998	0.000111592	4.82655E-05	7.99455E-05	5.30423E-05	0.000103236	0.000107148	4.10847E-05	7.99455E-05	5.33311E-05
6862	9.92696E-05	0.000103657	4.31818E-05	7.2713E-05	3.87692E-05	9.53932E-05	9.9092E-05	3.66389E-05	7.2713E-05	4.02513E-05
6863	8.77566E-05	9.18037E-05	3.60195E-05	6.56382E-05	3.81216E-05	8.48467E-05	8.82898E-05	3.01538E-05	6.56382E-05	3.95298E-05
6864	7.85431E-05	8.25054E-05	2.78907E-05	6.16682E-05	3.78238E-05	7.70427E-05	8.04741E-05	2.25365E-05	6.16682E-05	3.92003E-05
6865	6.76444E-05	7.13823E-05	1.98599E-05	5.54651E-05	3.78147E-05	6.7273E-05	7.05503E-05	1.52137E-05	5.54651E-05	3.91934E-05
6866	6.49433E-05	6.87275E-05	1.65674E-05	5.50093E-05	3.82634E-05	6.52466E-05	6.85958E-05	1.20456E-05	5.50093E-05	3.9703E-05
6867	6.55086E-05	6.94122E-05	1.56046E-05	5.69472E-05	3.94331E-05	6.63142E-05	6.98032E-05	1.08917E-05	5.69472E-05	4.1024E-05
6868	6.91941E-05	7.33578E-05	1.59662E-05	6.1308E-05	4.11899E-05	7.04252E-05	7.41753E-05	1.0856E-05	6.1308E-05	4.30003E-05
6869	7.65823E-05	8.11473E-05	1.82247E-05	6.80105E-05	4.34924E-05	7.79689E-05	8.20879E-05	1.25413E-05	6.80105E-05	4.55816E-05
6870	8.39384E-05	8.88333E-05	2.1363E-05	7.37239E-05	4.38876E-05	8.51431E-05	8.95469E-05	1.51908E-05	7.37239E-05	4.5972E-05
6871	8.56444E-05	9.03779E-05	2.51331E-05	7.60245E-05	0.000134347	8.69708E-05	9.12748E-05	1.86044E-05	7.60245E-05	0.000130144
6872	8.04519E-05	8.46997E-05	2.61491E-05	7.28576E-05	0.000133648	8.20276E-05	8.59501E-05	1.97198E-05	7.28576E-05	0.000129301
6873	7.63672E-05	8.02858E-05	2.62737E-05	6.80629E-05	0.00013394	7.74562E-05	8.10604E-05	2.02041E-05	6.80629E-05	0.000129613
6874	7.53052E-05	7.90765E-05	2.7093E-05	6.60402E-05	0.000134141	7.59918E-05	7.94428E-05	2.1174E-05	6.60402E-05	0.000129824
6875	7.46252E-05	7.82922E-05	2.77467E-05	6.43472E-05	0.000134604	7.49269E-05	7.82594E-05	2.1991E-05	6.43472E-05	0.000130334
6876	7.3857E-05	7.75222E-05	2.70018E-05	6.39954E-05	0.000120127	7.42734E-05	7.76081E-05	2.13024E-05	6.39954E-05	0.000116971
6877	7.52991E-05	7.90691E-05	2.71035E-05	6.5219E-05	0.000119938	7.57376E-05	7.9161E-05	2.1357E-05	6.5219E-05	0.000116755
6878	7.64103E-05	8.03266E-05	2.63454E-05	6.68142E-05	0.000118938	7.71066E-05	8.06678E-05	2.05387E-05	6.68142E-05	0.000115633
6879	7.95656E-05	8.37123E-05	2.6554E-05	7.01154E-05	0.000132128	8.05002E-05	8.42766E-05	2.05132E-05	7.01154E-05	0.000127544
6880	8.58818E-05	9.03961E-05	2.81727E-05	7.56149E-05	0.000130252	8.68956E-05	9.09978E-05	2.17339E-05	7.56149E-05	0.00012544
6881	9.39842E-05	9.89747E-05	3.01866E-05	8.18825E-05	0.000128767	9.4864E-05	9.93621E-05	2.34135E-05	8.18825E-05	0.00012378
6882	0.000102827	0.00010805	3.60508E-05	8.65888E-05	0.000127893	0.000102725	0.000107375	2.88626E-05	8.65888E-05	0.000122808
6883	0.000111391	0.000116559	4.53179E-05	8.91737E-05	9.7737E-05	0.000109556	0.000114082	3.76539E-05	8.91737E-05	9.47551E-05
6884	0.000111117	0.000115954	4.92754E-05	8.61231E-05	6.88623E-05	0.000108219	0.000112408	4.1673E-05	8.61231E-05	6.81888E-05
6885	0.000106998	0.000111592	4.82655E-05	7.99455E-05	5.30423E-05	0.000103236	0.000107148	4.10847E-05	7.99455E-05	5.33311E-05
6886	9.92696E-05	0.000103657	4.31818E-05	7.2713E-05	3.87692E-05	9.53932E-05	9.9092E-05	3.66389E-05	7.2713E-05	4.02513E-05
6887	8.77566E-05	9.18037E-05	3.60195E-05	6.56382E-05	3.81216E-05	8.48467E-05	8.82898E-05	3.01538E-05	6.56382E-05	3.95298E-05
6888	7.85431E-05	8.25054E-05	2.78907E-05	6.16682E-05	3.78238E-05	7.70427E-05	8.04741E-05	2.25365E-05	6.16682E-05	3.92003E-05
6889	6.76444E-05	7.13823E-05	1.98599E-05	5.54651E-05	3.78147E-05	6.7273E-05	7.05503E-05	1.52137E-05	5.54651E-05	3.91934E-05
6890	6.49433E-05	6.87275E-05	1.65674E-05	5.50093E-05	3.82634E-05	6.52466E-05	6.85958E-05	1.20456E-05	5.50093E-05	3.9703E-05
6891	6.55086E-05	6.94122E-05	1.56046E-05	5.69472E-05	3.94331E-05	6.63142E-05	6.98032E-05	1.08917E-05	5.69472E-05	4.1024E-05
6892	6.91941E-05	7.33578E-05	1.59662E-05	6.1308E-05	4.11899E-05	7.04252E-05	7.41753E-05	1.0856E-05	6.1308E-05	4.30003E-05
6893	7.65823E-05	8.11473E-05	1.82247E-05	6.80105E-05	4.34924E-05	7.79689E-05	8.20879E-05	1.25413E-05	6.80105E-05	4.55816E-05
6894	8.39384E-05	8.88333E-05	2.1363E-05	7.37239E-05	4.38876E-05	8.51431E-05	8.95469E-05	1.51908E-05	7.37239E-05	4.5972E-05
6895	8.56444E-05	9.03779E-05	2.51331E-05	7.60245E-05	0.000134347	8.69708E-05	9.12748E-05	1.86044E-05	7.60245E-05	0.000130144
6896	8.04519E-05	8.46997E-05	2.61491E-05	7.28576E-05	0.000133648	8.20276E-05	8.59501E-05	1.97198E-05	7.28576E-05	0.000129301
6897	7.63672E-05	8.02858E-05	2.62737E-05	6.80629E-05	0.00013394	7.74562E-05	8.10604E-05	2.02041E-05	6.80629E-05	0.000129613
6898	7.53052E-05	7.90765E-05	2.7093E-05	6.60402E-05	0.000134141	7.59918E-05	7.94428E-05	2.1174E-05	6.60402E-05	0.000129824
6899	7.46252E-05	7.82922E-05	2.77467E-05	6.43472E-05	0.000134604	7.49269E-05	7.82594E-05	2.1991E-05	6.43472E-05	0.000130334
6900	7.3857E-05	7.75222E-05	2.70018E-05	6.39954E-05	0.000120127	7.42734E-05	7.76081E-05	2.13024E-05	6.39954E-05	0.000116971
6901	7.52991E-05	7.90691E-05	2.71035E-05	6.5219E-05	0.000119938	7.57376E-05	7.9161E-05	2.1357E-05	6.5219E-05	0.000116755
6902	7.64103E-05	8.03266E-05	2.63454E-05	6.68142E-05	0.000118938	7.71066E-05	8.06678E-05	2.05387E-05	6.68142E-05	0.000115633
6903	7.95656E-05	8.37123E-05	2.6554E-05	7.01154E-05	0.000132128	8.05002E-05	8.42766E-05	2.05132E-05	7.01154E-05	0.000127544
6904	8.58818E-05	9.03961E-05	2.81727E-05	7.56149E-05	0.000130252	8.68956E-05	9.09978E-05	2.17339E-05	7.56149E-05	0.00012544
6905	9.39842E-05	9.89747E-05	3.01866E-05	8.18825E-05	0.000128767	9.4864E-05	9.93621E-05	2.34135E-05	8.18825E-05	0.00012378
6906	0.000102827	0.00010805	3.60508E-05	8.65888E-05	0.000127893	0.000102725	0.000107375	2.88626E-05	8.65888E-05	0.000122808
6907	0.000111391	0.000116559	4.53179E-05	8.91737E-05	9.7737E-05	0.000109556	0.000114082	3.76539E-05	8.91737E-05	9.47551E-05

6908	0.000111117	0.000115954	4.92754E-05	8.61231E-05	6.88623E-05	0.000108219	0.000112408	4.1673E-05	8.61231E-05	6.81888E-05
6909	0.000106998	0.000111592	4.82655E-05	7.99455E-05	5.30423E-05	0.000103236	0.000107148	4.10847E-05	7.99455E-05	5.33311E-05
6910	9.92696E-05	0.000103657	4.31818E-05	7.2713E-05	3.87692E-05	9.53932E-05	9.9092E-05	3.66389E-05	7.2713E-05	4.02513E-05
6911	8.77566E-05	9.18037E-05	3.60195E-05	6.56382E-05	3.81216E-05	8.48467E-05	8.82898E-05	3.01538E-05	6.56382E-05	3.95298E-05
6912	7.85431E-05	8.25054E-05	2.78907E-05	6.16682E-05	3.78238E-05	7.70427E-05	8.04741E-05	2.25365E-05	6.16682E-05	3.92003E-05
6913	6.75215E-05	7.12511E-05	1.98438E-05	5.53779E-05	3.79734E-05	6.71538E-05	7.04245E-05	1.5199E-05	5.53779E-05	3.93673E-05
6914	6.49466E-05	6.87308E-05	1.65704E-05	5.5032E-05	3.84492E-05	6.52558E-05	6.86057E-05	1.20438E-05	5.5032E-05	3.99071E-05
6915	6.5465E-05	6.93661E-05	1.55948E-05	5.68829E-05	3.96212E-05	6.6262E-05	6.97479E-05	1.08901E-05	5.68829E-05	4.12308E-05
6916	6.91814E-05	7.33446E-05	1.59604E-05	6.1265E-05	4.14141E-05	7.04027E-05	7.41513E-05	1.08581E-05	6.1265E-05	4.32483E-05
6917	7.65396E-05	8.11026E-05	1.82078E-05	6.78872E-05	4.3713E-05	7.78999E-05	8.20141E-05	1.25462E-05	6.78872E-05	4.5826E-05
6918	8.39042E-05	8.87973E-05	2.1352E-05	7.36463E-05	4.41125E-05	8.50941E-05	8.94947E-05	1.51924E-05	7.36463E-05	4.62217E-05
6919	8.7392E-05	9.2256E-05	2.52107E-05	7.63646E-05	0.000134513	8.83874E-05	9.27771E-05	1.86598E-05	7.63646E-05	0.000130329
6920	8.09755E-05	8.52568E-05	2.62442E-05	7.34464E-05	0.000133779	8.26002E-05	8.65562E-05	1.97589E-05	7.34464E-05	0.000129448
6921	7.74375E-05	8.14242E-05	2.64722E-05	6.93007E-05	0.000133981	7.86365E-05	8.23102E-05	2.02805E-05	6.93007E-05	0.00012966
6922	7.64352E-05	8.02786E-05	2.73023E-05	6.73449E-05	0.000134137	7.72374E-05	8.07617E-05	2.12548E-05	6.73449E-05	0.000129823
6923	7.56502E-05	7.93825E-05	2.79367E-05	6.55316E-05	0.000134556	7.6057E-05	7.9456E-05	2.20643E-05	6.55316E-05	0.000130284
6924	7.47581E-05	7.84817E-05	2.71563E-05	6.49343E-05	0.00012009	7.52365E-05	7.86271E-05	2.13778E-05	6.49343E-05	0.000116933
6925	7.60508E-05	7.987E-05	2.72274E-05	6.59611E-05	0.0001199	7.65288E-05	7.99979E-05	2.14243E-05	6.59611E-05	0.000116717
6926	7.70641E-05	8.1023E-05	2.64546E-05	6.74715E-05	0.00011887	7.77983E-05	8.13994E-05	2.0596E-05	6.74715E-05	0.000115562
6927	8.0398E-05	8.45989E-05	2.66951E-05	7.09698E-05	0.000132032	8.13861E-05	8.52138E-05	2.05842E-05	7.09698E-05	0.000127441
6928	8.67323E-05	9.13017E-05	2.83187E-05	7.65021E-05	0.000130151	8.78049E-05	9.19599E-05	2.18049E-05	7.65021E-05	0.000125329
6929	9.46469E-05	9.96804E-05	3.02991E-05	8.25635E-05	0.000128675	9.55695E-05	0.000100108	2.347E-05	8.25635E-05	0.00012368
6930	0.000103385	0.000108644	3.61475E-05	8.71787E-05	0.000127811	0.000103324	0.000108009	2.89083E-05	8.71787E-05	0.000122718
6931	0.000111723	0.000116913	4.53787E-05	8.95515E-05	9.76835E-05	0.00010992	0.000114468	3.76783E-05	8.95515E-05	9.46974E-05
6932	0.000111627	0.000116497	4.93654E-05	8.66759E-05	6.87993E-05	0.00010877	0.000112992	4.17135E-05	8.66759E-05	6.81205E-05
6933	0.000105904	0.000110409	4.83048E-05	8.03267E-05	5.29518E-05	0.00010253	0.000106398	4.10796E-05	8.03267E-05	5.32323E-05
6934	9.97999E-05	0.000104221	4.32794E-05	7.332E-05	3.86816E-05	9.59762E-05	9.97093E-05	3.66774E-05	7.332E-05	4.0156E-05
6935	8.83435E-05	9.24284E-05	3.61232E-05	6.62746E-05	3.80321E-05	8.54813E-05	8.89615E-05	3.02002E-05	6.62746E-05	3.94325E-05
6936	7.89937E-05	8.29849E-05	2.79714E-05	6.21656E-05	3.76891E-05	7.75326E-05	8.09927E-05	2.25712E-05	6.21656E-05	3.90533E-05
6937	6.75215E-05	7.12511E-05	1.98438E-05	5.53779E-05	3.79734E-05	6.71538E-05	7.04245E-05	1.5199E-05	5.53779E-05	3.93673E-05
6938	6.49466E-05	6.87308E-05	1.65704E-05	5.5032E-05	3.84492E-05	6.52558E-05	6.86057E-05	1.20438E-05	5.5032E-05	3.99071E-05
6939	6.5465E-05	6.93661E-05	1.55948E-05	5.68829E-05	3.96212E-05	6.6262E-05	6.97479E-05	1.08901E-05	5.68829E-05	4.12308E-05
6940	6.91814E-05	7.33446E-05	1.59604E-05	6.1265E-05	4.14141E-05	7.04027E-05	7.41513E-05	1.08581E-05	6.1265E-05	4.32483E-05
6941	7.65396E-05	8.11026E-05	1.82078E-05	6.78872E-05	4.3713E-05	7.78999E-05	8.20141E-05	1.25462E-05	6.78872E-05	4.5826E-05
6942	8.39042E-05	8.87973E-05	2.1352E-05	7.36463E-05	4.41125E-05	8.50941E-05	8.94947E-05	1.51924E-05	7.36463E-05	4.62217E-05
6943	8.7392E-05	9.2256E-05	2.52107E-05	7.63646E-05	0.000134513	8.83874E-05	9.27771E-05	1.86598E-05	7.63646E-05	0.000130329
6944	8.09755E-05	8.52568E-05	2.62442E-05	7.34464E-05	0.000133779	8.26002E-05	8.65562E-05	1.97589E-05	7.34464E-05	0.000129448
6945	7.74375E-05	8.14242E-05	2.64722E-05	6.93007E-05	0.000133981	7.86365E-05	8.23102E-05	2.02805E-05	6.93007E-05	0.00012966
6946	7.64352E-05	8.02786E-05	2.73023E-05	6.73449E-05	0.000134137	7.72374E-05	8.07617E-05	2.12548E-05	6.73449E-05	0.000129823
6947	7.56502E-05	7.93825E-05	2.79367E-05	6.55316E-05	0.000134556	7.6057E-05	7.9456E-05	2.20643E-05	6.55316E-05	0.000130284
6948	7.47581E-05	7.84817E-05	2.71563E-05	6.49343E-05	0.00012009	7.52365E-05	7.86271E-05	2.13778E-05	6.49343E-05	0.000116933
6949	7.60508E-05	7.987E-05	2.72274E-05	6.59611E-05	0.0001199	7.65288E-05	7.99979E-05	2.14243E-05	6.59611E-05	0.000116717
6950	7.70641E-05	8.1023E-05	2.64546E-05	6.74715E-05	0.00011887	7.77983E-05	8.13994E-05	2.0596E-05	6.74715E-05	0.000115562
6951	8.0398E-05	8.45989E-05	2.66951E-05	7.09698E-05	0.000132032	8.13861E-05	8.52138E-05	2.05842E-05	7.09698E-05	0.000127441
6952	8.67323E-05	9.13017E-05	2.83187E-05	7.65021E-05	0.000130151	8.78049E-05	9.19599E-05	2.18049E-05	7.65021E-05	0.000125329
6953	9.46469E-05	9.96804E-05	3.02991E-05	8.25635E-05	0.000128675	9.55695E-05	0.000100108	2.347E-05	8.25635E-05	0.00012368
6954	0.000103385	0.000108644	3.61475E-05	8.71787E-05	0.000127811	0.000103324	0.000108009	2.89083E-05	8.71787E-05	0.000122718
6955	0.000111723	0.000116913	4.53787E-05	8.95515E-05	9.76835E-05	0.00010992	0.000114468	3.76783E-05	8.95515E-05	9.46974E-05
6956	0.000111627	0.000116497	4.93654E-05	8.66759E-05	6.87993E-05	0.00010877	0.000112992	4.17135E-05	8.66759E-05	6.81205E-05
6957	0.000105904	0.000110409	4.83048E-05	8.03267E-05	5.29518E-05	0.00010253	0.000106398	4.10796E-05	8.03267E-05	5.32323E-05
6958	9.97999E-05	0.000104221	4.32794E-05	7.332E-05	3.86816E-05	9.59762E-05	9.97093E-05	3.66774E-05	7.332E-05	4.0156E-05
6959	8.83435E-05	9.24284E-05	3.61232E-05	6.62746E-05	3.80321E-05	8.54813E-05	8.89615E-05	3.02002E-05	6.62746E-05	3.94325E-05
6960	7.89937E-05	8.29849E-05	2.79714E-05	6.21656E-05	3.76891E-05	7.75326E-05	8.09927E-05	2.25712E-05	6.21656E-05	3.90533E-05
6961	6.76444E-05	7.13823E-05	1.98599E-05	5.54651E-05	3.78147E-05	6.7273E-05	7.05503E-05	1.52137E-05	5.54651E-05	3.91934E-05
6962	6.49433E-05	6.87275E-05	1.65674E-05	5.50093E-05	3.82634E-05	6.52466E-05	6.85958E-05	1.20456E-05	5.50093E-05	3.9703E-05
6963	6.55086E-05	6.94122E-05	1.56046E-05	5.69472E-05	3.94331E-05	6.63142E-05	6.98032E-05	1.08917E-05	5.69472E-05	4.1024E-05
6964	6.91941E-05	7.33578E-05	1.59662E-05	6.1308E-05	4.11899E-05	7.04252E-05	7.41753E-05	1.0856E-05	6.1308E-05	4.30003E-05
6965	7.65823E-05	8.11473E-05	1.82247E-05	6.80105E-05	4.34924E-05	7.79689E-05	8.20879E-05	1.25413E-05	6.80105E-05	4.55816E-05
6966	8.39384E-05	8.88333E-05	2.1363E-05	7.37239E-05	4.38876E-05	8.51431E-05	8.95469E-05	1.51908E-05	7.37239E-05	4.5972E-05
6967	8.56444E-05	9.03779E-05	2.51331E-05	7.60245E-05	0.000134347	8.69708E-05	9.12748E-05	1.86044E-05	7.60245E-05	0.000130144
6968	8.04519E-05	8.46997E-05	2.61491E-05	7.28576E-05	0.000133648	8.20276E-05	8.59501E-05	1.97198E-05	7.28576E-05	0.000129301
6969	7.63672E-05	8.02858E-05	2.62737E-05	6.80629E-05	0.00013394	7.74562E-05	8.10604E-05	2.02041E-05	6.80629E-05	0.000129613
6970	7.53052E-05	7.90765E-05	2.7093E-05	6.60402E-05	0.000134141	7.59918E-05	7.94428E-05	2.1174E-05	6.60402E-05	0.000129824
6971	7.46252E-05	7.82922E-05	2.77467E-05	6.43472E-05	0.000134604	7.49269E-05	7.82594E-05	2.1991E-05	6.43472E-05	0.000130334
6972	7.3857E-05	7.75222E-05	2.70018E-05	6.39954E-05	0.000120127	7.42734E-05	7.76081E-05	2.13024E-05	6.39954E-05	0.000116971
6973	7.52991E-05	7.90691E-05	2.71035E-05	6.5219E-05	0.000119938	7.57376E-05	7.9161E-05	2.1357E-05	6.5219E-05	0.000116755
6974	7.64103E-05	8.03266E-05	2.63454E-05	6.68142E-05	0.000118938	7.71066E-05	8.06678E-05	2.05387E-05	6.68142E-05	0.000115633
6975	7.95656E-05	8.37123E-05	2.6554E-05	7.01154E-05	0.000132128	8.05002E-05	8.42766E-05	2.05132E-05	7.01154E-05	0.000127544
6976	8.58818E-05	9.03961E-05	2.81727E-05	7.56149E-05	0.000130252	8.68956E-05	9.09978E-05	2.17339E-05	7.56149E-05	0.00012544
6977	9.39842E-05	9.89747E-05	3.01866E-05	8.18825E-05	0.000128767	9.4864E-05	9.93621E-05	2.34135E-05	8.18825E-05	0.00012378
6978	0.000102827	0.00010805	3.60508E-05	8.65888E-05	0.000127893	0.000102725	0.000107375	2.88626E-05	8.65888E-05	0.000122808
6979	0.000111391	0.000116559	4.53179E-05	8.91737E-05	9.7737E-05	0.000109556	0.000114082	3.76539E-05	8.91737E-05	9.47551E-05
6980	0.000111117	0.000115954	4.92754E-05	8.61231E-05	6.88623E-05	0.000108219	0.000112408	4.1673E-05	8.61231E-05	6.81888E-05
6981	0.000106998	0.000111592	4.82655E-05	7.99455E-05	5.30423E-05	0.000103236	0.000107148	4.10847E-05	7.99455E-05	5.33311E-05
6982	9.92696E-05	0.000103657	4.31818E-05	7.2713E-05	3.87692E-05	9.53932E-05	9.9092E-05	3.66389E-05	7.2713E-05	4.02513E-05
6983	8.77566E-05	9.18037E-05	3.60195E-05	6.56382E-05	3.81216E-05	8.48467E-05	8.82898E-05	3.01538E-05	6.56382E-05	3.95298E-05

6984	7.85431E-05	8.25054E-05	2.78907E-05	6.16682E-05	3.78238E-05	7.70427E-05	8.04741E-05	2.25365E-05	6.16682E-05	3.92003E-05
6985	6.76444E-05	7.13823E-05	1.98599E-05	5.54651E-05	3.78147E-05	6.7273E-05	7.05503E-05	1.52137E-05	5.54651E-05	3.91934E-05
6986	6.49433E-05	6.87275E-05	1.65674E-05	5.50093E-05	3.82634E-05	6.52466E-05	6.85958E-05	1.20456E-05	5.50093E-05	3.9703E-05
6987	6.55086E-05	6.94122E-05	1.56046E-05	5.69472E-05	3.94331E-05	6.63142E-05	6.98032E-05	1.08917E-05	5.69472E-05	4.1024E-05
6988	6.91941E-05	7.33578E-05	1.59662E-05	6.1308E-05	4.11899E-05	7.04252E-05	7.41753E-05	1.0856E-05	6.1308E-05	4.30003E-05
6989	7.65823E-05	8.11473E-05	1.82247E-05	6.80105E-05	4.34924E-05	7.79689E-05	8.20879E-05	1.25413E-05	6.80105E-05	4.55816E-05
6990	8.39384E-05	8.88333E-05	2.1363E-05	7.37239E-05	4.38876E-05	8.51431E-05	8.95469E-05	1.51908E-05	7.37239E-05	4.5972E-05
6991	8.56444E-05	9.03779E-05	2.51331E-05	7.60245E-05	0.000134347	8.69708E-05	9.12748E-05	1.86044E-05	7.60245E-05	0.000130144
6992	8.04519E-05	8.46997E-05	2.61491E-05	7.28576E-05	0.000133648	8.20276E-05	8.59501E-05	1.97198E-05	7.28576E-05	0.000129301
6993	7.63672E-05	8.02858E-05	2.62737E-05	6.80629E-05	0.00013394	7.74562E-05	8.10604E-05	2.02041E-05	6.80629E-05	0.000129613
6994	7.53052E-05	7.90765E-05	2.7093E-05	6.60402E-05	0.000134141	7.59918E-05	7.94428E-05	2.1174E-05	6.60402E-05	0.000129824
6995	7.46252E-05	7.82922E-05	2.77467E-05	6.43472E-05	0.000134604	7.49269E-05	7.82594E-05	2.1991E-05	6.43472E-05	0.000130334
6996	7.3857E-05	7.75222E-05	2.70018E-05	6.39954E-05	0.000120127	7.42734E-05	7.76081E-05	2.13024E-05	6.39954E-05	0.000116971
6997	7.52991E-05	7.90691E-05	2.71035E-05	6.5219E-05	0.000119938	7.57376E-05	7.9161E-05	2.1357E-05	6.5219E-05	0.000116755
6998	7.64103E-05	8.03266E-05	2.63454E-05	6.68142E-05	0.000118938	7.71066E-05	8.06678E-05	2.05387E-05	6.68142E-05	0.000115633
6999	7.95656E-05	8.37123E-05	2.6554E-05	7.01154E-05	0.000132128	8.05002E-05	8.42766E-05	2.05132E-05	7.01154E-05	0.000127544
7000	8.58818E-05	9.03961E-05	2.81727E-05	7.56149E-05	0.000130252	8.68956E-05	9.09978E-05	2.17339E-05	7.56149E-05	0.00012544
7001	9.39842E-05	9.89747E-05	3.01866E-05	8.18825E-05	0.000128767	9.4864E-05	9.93621E-05	2.34135E-05	8.18825E-05	0.00012378
7002	0.000102827	0.00010805	3.60508E-05	8.65888E-05	0.000127893	0.000102725	0.000107375	2.88626E-05	8.65888E-05	0.000122808
7003	0.000111391	0.000116559	4.53179E-05	8.91737E-05	9.7737E-05	0.000109556	0.000114082	3.76539E-05	8.91737E-05	9.47551E-05
7004	0.000111117	0.000115954	4.92754E-05	8.61231E-05	6.88623E-05	0.000108219	0.000112408	4.1673E-05	8.61231E-05	6.81888E-05
7005	0.000106998	0.000111592	4.82655E-05	7.99455E-05	5.30423E-05	0.000103236	0.000107148	4.10847E-05	7.99455E-05	5.33311E-05
7006	9.92696E-05	0.000103657	4.31818E-05	7.2713E-05	3.87692E-05	9.53932E-05	9.9092E-05	3.66389E-05	7.2713E-05	4.02513E-05
7007	8.77566E-05	9.18037E-05	3.60195E-05	6.56382E-05	3.81216E-05	8.48467E-05	8.82898E-05	3.01538E-05	6.56382E-05	3.95298E-05
7008	7.85431E-05	8.25054E-05	2.78907E-05	6.16682E-05	3.78238E-05	7.70427E-05	8.04741E-05	2.25365E-05	6.16682E-05	3.92003E-05
7009	6.76444E-05	7.13823E-05	1.98599E-05	5.54651E-05	3.78147E-05	6.7273E-05	7.05503E-05	1.52137E-05	5.54651E-05	3.91934E-05
7010	6.49433E-05	6.87275E-05	1.65674E-05	5.50093E-05	3.82634E-05	6.52466E-05	6.85958E-05	1.20456E-05	5.50093E-05	3.9703E-05
7011	6.55086E-05	6.94122E-05	1.56046E-05	5.69472E-05	3.94331E-05	6.63142E-05	6.98032E-05	1.08917E-05	5.69472E-05	4.1024E-05
7012	6.91941E-05	7.33578E-05	1.59662E-05	6.1308E-05	4.11899E-05	7.04252E-05	7.41753E-05	1.0856E-05	6.1308E-05	4.30003E-05
7013	7.65823E-05	8.11473E-05	1.82247E-05	6.80105E-05	4.34924E-05	7.79689E-05	8.20879E-05	1.25413E-05	6.80105E-05	4.55816E-05
7014	8.39384E-05	8.88333E-05	2.1363E-05	7.37239E-05	4.38876E-05	8.51431E-05	8.95469E-05	1.51908E-05	7.37239E-05	4.5972E-05
7015	8.56444E-05	9.03779E-05	2.51331E-05	7.60245E-05	0.000134347	8.69708E-05	9.12748E-05	1.86044E-05	7.60245E-05	0.000130144
7016	8.04519E-05	8.46997E-05	2.61491E-05	7.28576E-05	0.000133648	8.20276E-05	8.59501E-05	1.97198E-05	7.28576E-05	0.000129301
7017	7.63672E-05	8.02858E-05	2.62737E-05	6.80629E-05	0.00013394	7.74562E-05	8.10604E-05	2.02041E-05	6.80629E-05	0.000129613
7018	7.53052E-05	7.90765E-05	2.7093E-05	6.60402E-05	0.000134141	7.59918E-05	7.94428E-05	2.1174E-05	6.60402E-05	0.000129824
7019	7.46252E-05	7.82922E-05	2.77467E-05	6.43472E-05	0.000134604	7.49269E-05	7.82594E-05	2.1991E-05	6.43472E-05	0.000130334
7020	7.3857E-05	7.75222E-05	2.70018E-05	6.39954E-05	0.000120127	7.42734E-05	7.76081E-05	2.13024E-05	6.39954E-05	0.000116971
7021	7.52991E-05	7.90691E-05	2.71035E-05	6.5219E-05	0.000119938	7.57376E-05	7.9161E-05	2.1357E-05	6.5219E-05	0.000116755
7022	7.64103E-05	8.03266E-05	2.63454E-05	6.68142E-05	0.000118938	7.71066E-05	8.06678E-05	2.05387E-05	6.68142E-05	0.000115633
7023	7.95656E-05	8.37123E-05	2.6554E-05	7.01154E-05	0.000132128	8.05002E-05	8.42766E-05	2.05132E-05	7.01154E-05	0.000127544
7024	8.58818E-05	9.03961E-05	2.81727E-05	7.56149E-05	0.000130252	8.68956E-05	9.09978E-05	2.17339E-05	7.56149E-05	0.00012544
7025	9.39842E-05	9.89747E-05	3.01866E-05	8.18825E-05	0.000128767	9.4864E-05	9.93621E-05	2.34135E-05	8.18825E-05	0.00012378
7026	0.000102827	0.00010805	3.60508E-05	8.65888E-05	0.000127893	0.000102725	0.000107375	2.88626E-05	8.65888E-05	0.000122808
7027	0.000111391	0.000116559	4.53179E-05	8.91737E-05	9.7737E-05	0.000109556	0.000114082	3.76539E-05	8.91737E-05	9.47551E-05
7028	0.000111117	0.000115954	4.92754E-05	8.61231E-05	6.88623E-05	0.000108219	0.000112408	4.1673E-05	8.61231E-05	6.81888E-05
7029	0.000106998	0.000111592	4.82655E-05	7.99455E-05	5.30423E-05	0.000103236	0.000107148	4.10847E-05	7.99455E-05	5.33311E-05
7030	9.92696E-05	0.000103657	4.31818E-05	7.2713E-05	3.87692E-05	9.53932E-05	9.9092E-05	3.66389E-05	7.2713E-05	4.02513E-05
7031	8.77566E-05	9.18037E-05	3.60195E-05	6.56382E-05	3.81216E-05	8.48467E-05	8.82898E-05	3.01538E-05	6.56382E-05	3.95298E-05
7032	7.85431E-05	8.25054E-05	2.78907E-05	6.16682E-05	3.78238E-05	7.70427E-05	8.04741E-05	2.25365E-05	6.16682E-05	3.92003E-05
7033	6.76444E-05	7.13823E-05	1.98599E-05	5.54651E-05	3.78147E-05	6.7273E-05	7.05503E-05	1.52137E-05	5.54651E-05	3.91934E-05
7034	6.49433E-05	6.87275E-05	1.65674E-05	5.50093E-05	3.82634E-05	6.52466E-05	6.85958E-05	1.20456E-05	5.50093E-05	3.9703E-05
7035	6.55086E-05	6.94122E-05	1.56046E-05	5.69472E-05	3.94331E-05	6.63142E-05	6.98032E-05	1.08917E-05	5.69472E-05	4.1024E-05
7036	6.91941E-05	7.33578E-05	1.59662E-05	6.1308E-05	4.11899E-05	7.04252E-05	7.41753E-05	1.0856E-05	6.1308E-05	4.30003E-05
7037	7.65823E-05	8.11473E-05	1.82247E-05	6.80105E-05	4.34924E-05	7.79689E-05	8.20879E-05	1.25413E-05	6.80105E-05	4.55816E-05
7038	8.39384E-05	8.88333E-05	2.1363E-05	7.37239E-05	4.38876E-05	8.51431E-05	8.95469E-05	1.51908E-05	7.37239E-05	4.5972E-05
7039	8.56444E-05	9.03779E-05	2.51331E-05	7.60245E-05	0.000134347	8.69708E-05	9.12748E-05	1.86044E-05	7.60245E-05	0.000130144
7040	8.04519E-05	8.46997E-05	2.61491E-05	7.28576E-05	0.000133648	8.20276E-05	8.59501E-05	1.97198E-05	7.28576E-05	0.000129301
7041	7.63672E-05	8.02858E-05	2.62737E-05	6.80629E-05	0.00013394	7.74562E-05	8.10604E-05	2.02041E-05	6.80629E-05	0.000129613
7042	7.53052E-05	7.90765E-05	2.7093E-05	6.60402E-05	0.000134141	7.59918E-05	7.94428E-05	2.1174E-05	6.60402E-05	0.000129824
7043	7.46252E-05	7.82922E-05	2.77467E-05	6.43472E-05	0.000134604	7.49269E-05	7.82594E-05	2.1991E-05	6.43472E-05	0.000130334
7044	7.3857E-05	7.75222E-05	2.70018E-05	6.39954E-05	0.000120127	7.42734E-05	7.76081E-05	2.13024E-05	6.39954E-05	0.000116971
7045	7.52991E-05	7.90691E-05	2.71035E-05	6.5219E-05	0.000119938	7.57376E-05	7.9161E-05	2.1357E-05	6.5219E-05	0.000116755
7046	7.64103E-05	8.03266E-05	2.63454E-05	6.68142E-05	0.000118938	7.71066E-05	8.06678E-05	2.05387E-05	6.68142E-05	0.000115633
7047	7.95656E-05	8.37123E-05	2.6554E-05	7.01154E-05	0.000132128	8.05002E-05	8.42766E-05	2.05132E-05	7.01154E-05	0.000127544
7048	8.58818E-05	9.03961E-05	2.81727E-05	7.56149E-05	0.000130252	8.68956E-05	9.09978E-05	2.17339E-05	7.56149E-05	0.00012544
7049	9.39842E-05	9.89747E-05	3.01866E-05	8.18825E-05	0.000128767	9.4864E-05	9.93621E-05	2.34135E-05	8.18825E-05	0.00012378
7050	0.000102827	0.00010805	3.60508E-05	8.65888E-05	0.000127893	0.000102725	0.000107375	2.88626E-05	8.65888E-05	0.000122808
7051	0.000111391	0.000116559	4.53179E-05	8.91737E-05	9.7737E-05	0.000109556	0.000114082	3.76539E-05	8.91737E-05	9.47551E-05
7052	0.000111117	0.000115954	4.92754E-05	8.61231E-05	6.88623E-05	0.000108219	0.000112408	4.1673E-05	8.61231E-05	6.81888E-05
7053	0.000106998	0.000111592	4.82655E-05	7.99455E-05	5.30423E-05	0.000103236	0.000107148	4.10847E-05	7.99455E-05	5.33311E-05
7054	9.92696E-05	0.000103657	4.31818E-05	7.2713E-05	3.87692E-05	9.53932E-05	9.9092E-05	3.66389E-05	7.2713E-05	4.02513E-05
7055	8.77566E-05	9.18037E-05	3.60195E-05	6.56382E-05	3.81216E-05	8.48467E-05	8.82898E-05	3.01538E-05	6.56382E-05	3.95298E-05
7056	7.85431E-05	8.25054E-05	2.78907E-05	6.16682E-05	3.78238E-05	7.70427E-05	8.04741E-05	2.25365E-05	6.16682E-05	3.92003E-05
7057	6.76444E-05	7.13823E-05	1.98599E-05	5.54651E-05	3.78147E-05	6.7273E-05	7.05503E-05	1.52137E-05	5.54651E-05	3.91934E-05
7058	6.49433E-05	6.87275E-05	1.65674E-05	5.50093E-05	3.82634E-05	6.52466E-05	6.85958E-05	1.20456E-05	5.50093E-05	3.9703E-05
7059	6.55086E-05	6.94122E-05	1.56046E-05	5.69472E-05	3.94331E-05	6.63142E-05	6.98032E-05	1.08917E-05	5.69472E-05	4.1024E-05

7060	6.91941E-05	7.33578E-05	1.59662E-05	6.1308E-05	4.11899E-05	7.04252E-05	7.41753E-05	1.0856E-05	6.1308E-05	4.30003E-05
7061	7.65823E-05	8.11473E-05	1.82247E-05	6.80105E-05	4.34924E-05	7.79689E-05	8.20879E-05	1.25413E-05	6.80105E-05	4.55816E-05
7062	8.39384E-05	8.88333E-05	2.1363E-05	7.37239E-05	4.38876E-05	8.51431E-05	8.95469E-05	1.51908E-05	7.37239E-05	4.5972E-05
7063	8.56444E-05	9.03779E-05	2.51331E-05	7.60245E-05	0.000134347	8.69708E-05	9.12748E-05	1.86044E-05	7.60245E-05	0.000130144
7064	8.04519E-05	8.46997E-05	2.61491E-05	7.28576E-05	0.000133648	8.20276E-05	8.59501E-05	1.97198E-05	7.28576E-05	0.000129301
7065	7.63672E-05	8.02858E-05	2.62737E-05	6.80629E-05	0.00013394	7.74562E-05	8.10604E-05	2.02041E-05	6.80629E-05	0.000129613
7066	7.53052E-05	7.90765E-05	2.7093E-05	6.60402E-05	0.000134141	7.59918E-05	7.94428E-05	2.1174E-05	6.60402E-05	0.000129824
7067	7.46252E-05	7.82922E-05	2.77467E-05	6.43472E-05	0.000134604	7.49269E-05	7.82594E-05	2.1991E-05	6.43472E-05	0.000130334
7068	7.3857E-05	7.75222E-05	2.70018E-05	6.39954E-05	0.000120127	7.42734E-05	7.76081E-05	2.13024E-05	6.39954E-05	0.000116971
7069	7.52991E-05	7.90691E-05	2.71035E-05	6.5219E-05	0.000119938	7.57376E-05	7.9161E-05	2.1357E-05	6.5219E-05	0.000116755
7070	7.64103E-05	8.03266E-05	2.63454E-05	6.68142E-05	0.000118938	7.71066E-05	8.06678E-05	2.05387E-05	6.68142E-05	0.000115633
7071	7.95656E-05	8.37123E-05	2.6554E-05	7.01154E-05	0.000132128	8.05002E-05	8.42766E-05	2.05132E-05	7.01154E-05	0.000127544
7072	8.58818E-05	9.03961E-05	2.81727E-05	7.56149E-05	0.000130252	8.68956E-05	9.09978E-05	2.17339E-05	7.56149E-05	0.00012544
7073	9.39842E-05	9.89747E-05	3.01866E-05	8.18825E-05	0.000128767	9.4864E-05	9.93621E-05	2.34135E-05	8.18825E-05	0.00012378
7074	0.000102827	0.00010805	3.60508E-05	8.65888E-05	0.000127893	0.000102725	0.000107375	2.88626E-05	8.65888E-05	0.000122808
7075	0.000111391	0.000116559	4.53179E-05	8.91737E-05	9.7737E-05	0.000109556	0.000114082	3.76539E-05	8.91737E-05	9.47551E-05
7076	0.000111117	0.000115954	4.92754E-05	8.61231E-05	6.88623E-05	0.000108219	0.000112408	4.1673E-05	8.61231E-05	6.81888E-05
7077	0.000106998	0.000111592	4.82655E-05	7.99455E-05	5.30423E-05	0.000103236	0.000107148	4.10847E-05	7.99455E-05	5.33311E-05
7078	9.92696E-05	0.000103657	4.31818E-05	7.2713E-05	3.87692E-05	9.53932E-05	9.9092E-05	3.66389E-05	7.2713E-05	4.02513E-05
7079	8.77566E-05	9.18037E-05	3.60195E-05	6.56382E-05	3.81216E-05	8.48467E-05	8.82898E-05	3.01538E-05	6.56382E-05	3.95298E-05
7080	7.85431E-05	8.25054E-05	2.78907E-05	6.16682E-05	3.78238E-05	7.70427E-05	8.04741E-05	2.25365E-05	6.16682E-05	3.92003E-05
7081	6.75215E-05	7.12511E-05	1.98438E-05	5.53779E-05	3.79734E-05	6.71538E-05	7.04245E-05	1.5199E-05	5.53779E-05	3.93673E-05
7082	6.49466E-05	6.87308E-05	1.65704E-05	5.5032E-05	3.84492E-05	6.52558E-05	6.86057E-05	1.20438E-05	5.5032E-05	3.99071E-05
7083	6.5465E-05	6.93661E-05	1.55948E-05	5.68829E-05	3.96212E-05	6.6262E-05	6.97479E-05	1.08901E-05	5.68829E-05	4.12308E-05
7084	6.91814E-05	7.33446E-05	1.59604E-05	6.1265E-05	4.14141E-05	7.04027E-05	7.41513E-05	1.08581E-05	6.1265E-05	4.32483E-05
7085	7.65396E-05	8.11026E-05	1.82078E-05	6.78872E-05	4.3713E-05	7.78999E-05	8.20141E-05	1.25462E-05	6.78872E-05	4.5826E-05
7086	8.39042E-05	8.87973E-05	2.1352E-05	7.36463E-05	4.41125E-05	8.50941E-05	8.94947E-05	1.51924E-05	7.36463E-05	4.62217E-05
7087	8.7392E-05	9.2256E-05	2.52107E-05	7.63646E-05	0.000134513	8.83874E-05	9.27771E-05	1.86598E-05	7.63646E-05	0.000130329
7088	8.09755E-05	8.52568E-05	2.62442E-05	7.34464E-05	0.000133779	8.26002E-05	8.65562E-05	1.97589E-05	7.34464E-05	0.000129448
7089	7.74375E-05	8.14242E-05	2.64722E-05	6.93007E-05	0.000133981	7.86365E-05	8.23102E-05	2.02805E-05	6.93007E-05	0.00012966
7090	7.64352E-05	8.02786E-05	2.73023E-05	6.73449E-05	0.000134137	7.72374E-05	8.07617E-05	2.12548E-05	6.73449E-05	0.000129823
7091	7.56502E-05	7.93825E-05	2.79367E-05	6.55316E-05	0.000134556	7.6057E-05	7.9456E-05	2.20643E-05	6.55316E-05	0.000130284
7092	7.47581E-05	7.84817E-05	2.71563E-05	6.49343E-05	0.00012009	7.52365E-05	7.86271E-05	2.13778E-05	6.49343E-05	0.000116933
7093	7.60508E-05	7.987E-05	2.72274E-05	6.59611E-05	0.0001199	7.65288E-05	7.99979E-05	2.14243E-05	6.59611E-05	0.000116717
7094	7.70641E-05	8.1023E-05	2.64546E-05	6.74715E-05	0.00011887	7.77983E-05	8.13994E-05	2.0596E-05	6.74715E-05	0.000115562
7095	8.0398E-05	8.45989E-05	2.66951E-05	7.09698E-05	0.000132032	8.13861E-05	8.52138E-05	2.05842E-05	7.09698E-05	0.000127441
7096	8.67323E-05	9.13017E-05	2.83187E-05	7.65021E-05	0.000130151	8.78049E-05	9.19599E-05	2.18049E-05	7.65021E-05	0.000125329
7097	9.46469E-05	9.96804E-05	3.02991E-05	8.25635E-05	0.000128675	9.55695E-05	0.000100108	2.347E-05	8.25635E-05	0.00012368
7098	0.000103385	0.000108644	3.61475E-05	8.71787E-05	0.000127811	0.000103324	0.000108009	2.89083E-05	8.71787E-05	0.000122718
7099	0.000111723	0.000116913	4.53787E-05	8.95515E-05	9.76835E-05	0.00010992	0.000114468	3.76783E-05	8.95515E-05	9.46974E-05
7100	0.000111627	0.000116497	4.93654E-05	8.66759E-05	6.87993E-05	0.00010877	0.000112992	4.17135E-05	8.66759E-05	6.81205E-05
7101	0.000105904	0.000110409	4.83048E-05	8.03267E-05	5.29518E-05	0.00010253	0.000106398	4.10796E-05	8.03267E-05	5.32323E-05
7102	9.97999E-05	0.000104221	4.32794E-05	7.332E-05	3.86816E-05	9.59762E-05	9.97093E-05	3.66774E-05	7.332E-05	4.0156E-05
7103	8.83435E-05	9.24284E-05	3.61232E-05	6.62746E-05	3.80321E-05	8.54813E-05	8.89615E-05	3.02002E-05	6.62746E-05	3.94325E-05
7104	7.89937E-05	8.29849E-05	2.79714E-05	6.21656E-05	3.76891E-05	7.75326E-05	8.09927E-05	2.25712E-05	6.21656E-05	3.90533E-05
7105	6.75215E-05	7.12511E-05	1.98438E-05	5.53779E-05	3.79734E-05	6.71538E-05	7.04245E-05	1.5199E-05	5.53779E-05	3.93673E-05
7106	6.49466E-05	6.87308E-05	1.65704E-05	5.5032E-05	3.84492E-05	6.52558E-05	6.86057E-05	1.20438E-05	5.5032E-05	3.99071E-05
7107	6.5465E-05	6.93661E-05	1.55948E-05	5.68829E-05	3.96212E-05	6.6262E-05	6.97479E-05	1.08901E-05	5.68829E-05	4.12308E-05
7108	6.91814E-05	7.33446E-05	1.59604E-05	6.1265E-05	4.14141E-05	7.04027E-05	7.41513E-05	1.08581E-05	6.1265E-05	4.32483E-05
7109	7.65396E-05	8.11026E-05	1.82078E-05	6.78872E-05	4.3713E-05	7.78999E-05	8.20141E-05	1.25462E-05	6.78872E-05	4.5826E-05
7110	8.39042E-05	8.87973E-05	2.1352E-05	7.36463E-05	4.41125E-05	8.50941E-05	8.94947E-05	1.51924E-05	7.36463E-05	4.62217E-05
7111	8.7392E-05	9.2256E-05	2.52107E-05	7.63646E-05	0.000134513	8.83874E-05	9.27771E-05	1.86598E-05	7.63646E-05	0.000130329
7112	8.09755E-05	8.52568E-05	2.62442E-05	7.34464E-05	0.000133779	8.26002E-05	8.65562E-05	1.97589E-05	7.34464E-05	0.000129448
7113	7.74375E-05	8.14242E-05	2.64722E-05	6.93007E-05	0.000133981	7.86365E-05	8.23102E-05	2.02805E-05	6.93007E-05	0.00012966
7114	7.64352E-05	8.02786E-05	2.73023E-05	6.73449E-05	0.000134137	7.72374E-05	8.07617E-05	2.12548E-05	6.73449E-05	0.000129823
7115	7.56502E-05	7.93825E-05	2.79367E-05	6.55316E-05	0.000134556	7.6057E-05	7.9456E-05	2.20643E-05	6.55316E-05	0.000130284
7116	7.47581E-05	7.84817E-05	2.71563E-05	6.49343E-05	0.00012009	7.52365E-05	7.86271E-05	2.13778E-05	6.49343E-05	0.000116933
7117	7.60508E-05	7.987E-05	2.72274E-05	6.59611E-05	0.0001199	7.65288E-05	7.99979E-05	2.14243E-05	6.59611E-05	0.000116717
7118	7.70641E-05	8.1023E-05	2.64546E-05	6.74715E-05	0.00011887	7.77983E-05	8.13994E-05	2.0596E-05	6.74715E-05	0.000115562
7119	8.0398E-05	8.45989E-05	2.66951E-05	7.09698E-05	0.000132032	8.13861E-05	8.52138E-05	2.05842E-05	7.09698E-05	0.000127441
7120	8.67323E-05	9.13017E-05	2.83187E-05	7.65021E-05	0.000130151	8.78049E-05	9.19599E-05	2.18049E-05	7.65021E-05	0.000125329
7121	9.46469E-05	9.96804E-05	3.02991E-05	8.25635E-05	0.000128675	9.55695E-05	0.000100108	2.347E-05	8.25635E-05	0.00012368
7122	0.000103385	0.000108644	3.61475E-05	8.71787E-05	0.000127811	0.000103324	0.000108009	2.89083E-05	8.71787E-05	0.000122718
7123	0.000111723	0.000116913	4.53787E-05	8.95515E-05	9.76835E-05	0.00010992	0.000114468	3.76783E-05	8.95515E-05	9.46974E-05
7124	0.000111627	0.000116497	4.93654E-05	8.66759E-05	6.87993E-05	0.00010877	0.000112992	4.17135E-05	8.66759E-05	6.81205E-05
7125	0.000105904	0.000110409	4.83048E-05	8.03267E-05	5.29518E-05	0.00010253	0.000106398	4.10796E-05	8.03267E-05	5.32323E-05
7126	9.97999E-05	0.000104221	4.32794E-05	7.332E-05	3.86816E-05	9.59762E-05	9.97093E-05	3.66774E-05	7.332E-05	4.0156E-05
7127	8.83435E-05	9.24284E-05	3.61232E-05	6.62746E-05	3.80321E-05	8.54813E-05	8.89615E-05	3.02002E-05	6.62746E-05	3.94325E-05
7128	7.89937E-05	8.29849E-05	2.79714E-05	6.21656E-05	3.76891E-05	7.75326E-05	8.09927E-05	2.25712E-05	6.21656E-05	3.90533E-05
7129	6.76444E-05	7.13823E-05	1.98599E-05	5.54651E-05	3.78147E-05	6.7273E-05	7.05503E-05	1.52137E-05	5.54651E-05	3.91934E-05
7130	6.49433E-05	6.87275E-05	1.65674E-05	5.50093E-05	3.82634E-05	6.52466E-05	6.85958E-05	1.20456E-05	5.50093E-05	3.9703E-05
7131	6.55086E-05	6.94122E-05	1.56046E-05	5.69472E-05	3.94331E-05	6.63142E-05	6.98032E-05	1.08917E-05	5.69472E-05	4.1024E-05
7132	6.91941E-05	7.33578E-05	1.59662E-05	6.1308E-05	4.11899E-05	7.04252E-05	7.41753E-05	1.0856E-05	6.1308E-05	4.30003E-05
7133	7.65823E-05	8.11473E-05	1.82247E-05	6.80105E-05	4.34924E-05	7.79689E-05	8.20879E-05	1.25413E-05	6.80105E-05	4.55816E-05
7134	8.39384E-05	8.88333E-05	2.1363E-05	7.37239E-05	4.38876E-05	8.51431E-05	8.95469E-05	1.51908E-05	7.37239E-05	4.5972E-05
7135	8.56444E-05	9.03779E-05	2.51331E-05	7.60245E-05	0.000134347	8.69708E-05	9.12748E-05	1.86044E-05	7.60245E-05	0.000130144

7136	8.04519E-05	8.46997E-05	2.61491E-05	7.28576E-05	0.000133648	8.20276E-05	8.59501E-05	1.97198E-05	7.28576E-05	0.000129301
7137	7.63672E-05	8.02858E-05	2.62737E-05	6.80629E-05	0.00013394	7.74562E-05	8.10604E-05	2.02041E-05	6.80629E-05	0.000129613
7138	7.53052E-05	7.90765E-05	2.7093E-05	6.60402E-05	0.000134141	7.59918E-05	7.94428E-05	2.1174E-05	6.60402E-05	0.000129824
7139	7.46252E-05	7.82922E-05	2.77467E-05	6.43472E-05	0.000134604	7.49269E-05	7.82594E-05	2.1991E-05	6.43472E-05	0.000130334
7140	7.3857E-05	7.75222E-05	2.70018E-05	6.39954E-05	0.000120127	7.42734E-05	7.76081E-05	2.13024E-05	6.39954E-05	0.000116971
7141	7.52991E-05	7.90691E-05	2.71035E-05	6.5219E-05	0.000119938	7.57376E-05	7.9161E-05	2.1357E-05	6.5219E-05	0.000116755
7142	7.64103E-05	8.03266E-05	2.63454E-05	6.68142E-05	0.000118938	7.71066E-05	8.06678E-05	2.05387E-05	6.68142E-05	0.000115633
7143	7.95656E-05	8.37123E-05	2.6554E-05	7.01154E-05	0.000132128	8.05002E-05	8.42766E-05	2.05132E-05	7.01154E-05	0.000127544
7144	8.58818E-05	9.03961E-05	2.81727E-05	7.56149E-05	0.000130252	8.68956E-05	9.09978E-05	2.17339E-05	7.56149E-05	0.00012544
7145	9.39842E-05	9.89747E-05	3.01866E-05	8.18825E-05	0.000128767	9.4864E-05	9.93621E-05	2.34135E-05	8.18825E-05	0.00012378
7146	0.000102827	0.00010805	3.60508E-05	8.65888E-05	0.000127893	0.000102725	0.000107375	2.88626E-05	8.65888E-05	0.000122808
7147	0.000111391	0.000116559	4.53179E-05	8.91737E-05	9.7737E-05	0.000109556	0.000114082	3.76539E-05	8.91737E-05	9.47551E-05
7148	0.000111117	0.000115954	4.92754E-05	8.61231E-05	6.88623E-05	0.000108219	0.000112408	4.1673E-05	8.61231E-05	6.81888E-05
7149	0.000106998	0.000111592	4.82655E-05	7.99455E-05	5.30423E-05	0.000103236	0.000107148	4.10847E-05	7.99455E-05	5.33311E-05
7150	9.92696E-05	0.000103657	4.31818E-05	7.2713E-05	3.87692E-05	9.53932E-05	9.9092E-05	3.66389E-05	7.2713E-05	4.02513E-05
7151	8.77566E-05	9.18037E-05	3.60195E-05	6.56382E-05	3.81216E-05	8.48467E-05	8.82898E-05	3.01538E-05	6.56382E-05	3.95298E-05
7152	7.85431E-05	8.25054E-05	2.78907E-05	6.16682E-05	3.78238E-05	7.70427E-05	8.04741E-05	2.25365E-05	6.16682E-05	3.92003E-05
7153	6.76444E-05	7.13823E-05	1.98599E-05	5.54651E-05	3.78147E-05	6.7273E-05	7.05503E-05	1.52137E-05	5.54651E-05	3.91934E-05
7154	6.49433E-05	6.87275E-05	1.65674E-05	5.50093E-05	3.82634E-05	6.52466E-05	6.85958E-05	1.20456E-05	5.50093E-05	3.9703E-05
7155	6.55086E-05	6.94122E-05	1.56046E-05	5.69472E-05	3.94331E-05	6.63142E-05	6.98032E-05	1.08917E-05	5.69472E-05	4.1024E-05
7156	6.91941E-05	7.33578E-05	1.59662E-05	6.1308E-05	4.11899E-05	7.04252E-05	7.41753E-05	1.0856E-05	6.1308E-05	4.30003E-05
7157	7.65823E-05	8.11473E-05	1.82247E-05	6.80105E-05	4.34924E-05	7.79689E-05	8.20879E-05	1.25413E-05	6.80105E-05	4.55816E-05
7158	8.39384E-05	8.88333E-05	2.1363E-05	7.37239E-05	4.38876E-05	8.51431E-05	8.95469E-05	1.51908E-05	7.37239E-05	4.5972E-05
7159	8.56444E-05	9.03779E-05	2.51331E-05	7.60245E-05	0.000134347	8.69708E-05	9.12748E-05	1.86044E-05	7.60245E-05	0.000130144
7160	8.04519E-05	8.46997E-05	2.61491E-05	7.28576E-05	0.000133648	8.20276E-05	8.59501E-05	1.97198E-05	7.28576E-05	0.000129301
7161	7.63672E-05	8.02858E-05	2.62737E-05	6.80629E-05	0.00013394	7.74562E-05	8.10604E-05	2.02041E-05	6.80629E-05	0.000129613
7162	7.53052E-05	7.90765E-05	2.7093E-05	6.60402E-05	0.000134141	7.59918E-05	7.94428E-05	2.1174E-05	6.60402E-05	0.000129824
7163	7.46252E-05	7.82922E-05	2.77467E-05	6.43472E-05	0.000134604	7.49269E-05	7.82594E-05	2.1991E-05	6.43472E-05	0.000130334
7164	7.3857E-05	7.75222E-05	2.70018E-05	6.39954E-05	0.000120127	7.42734E-05	7.76081E-05	2.13024E-05	6.39954E-05	0.000116971
7165	7.52991E-05	7.90691E-05	2.71035E-05	6.5219E-05	0.000119938	7.57376E-05	7.9161E-05	2.1357E-05	6.5219E-05	0.000116755
7166	7.64103E-05	8.03266E-05	2.63454E-05	6.68142E-05	0.000118938	7.71066E-05	8.06678E-05	2.05387E-05	6.68142E-05	0.000115633
7167	7.95656E-05	8.37123E-05	2.6554E-05	7.01154E-05	0.000132128	8.05002E-05	8.42766E-05	2.05132E-05	7.01154E-05	0.000127544
7168	8.58818E-05	9.03961E-05	2.81727E-05	7.56149E-05	0.000130252	8.68956E-05	9.09978E-05	2.17339E-05	7.56149E-05	0.00012544
7169	9.39842E-05	9.89747E-05	3.01866E-05	8.18825E-05	0.000128767	9.4864E-05	9.93621E-05	2.34135E-05	8.18825E-05	0.00012378
7170	0.000102827	0.00010805	3.60508E-05	8.65888E-05	0.000127893	0.000102725	0.000107375	2.88626E-05	8.65888E-05	0.000122808
7171	0.000111391	0.000116559	4.53179E-05	8.91737E-05	9.7737E-05	0.000109556	0.000114082	3.76539E-05	8.91737E-05	9.47551E-05
7172	0.000111117	0.000115954	4.92754E-05	8.61231E-05	6.88623E-05	0.000108219	0.000112408	4.1673E-05	8.61231E-05	6.81888E-05
7173	0.000106998	0.000111592	4.82655E-05	7.99455E-05	5.30423E-05	0.000103236	0.000107148	4.10847E-05	7.99455E-05	5.33311E-05
7174	9.92696E-05	0.000103657	4.31818E-05	7.2713E-05	3.87692E-05	9.53932E-05	9.9092E-05	3.66389E-05	7.2713E-05	4.02513E-05
7175	8.77566E-05	9.18037E-05	3.60195E-05	6.56382E-05	3.81216E-05	8.48467E-05	8.82898E-05	3.01538E-05	6.56382E-05	3.95298E-05
7176	7.85431E-05	8.25054E-05	2.78907E-05	6.16682E-05	3.78238E-05	7.70427E-05	8.04741E-05	2.25365E-05	6.16682E-05	3.92003E-05
7177	6.76444E-05	7.13823E-05	1.98599E-05	5.54651E-05	3.78147E-05	6.7273E-05	7.05503E-05	1.52137E-05	5.54651E-05	3.91934E-05
7178	6.49433E-05	6.87275E-05	1.65674E-05	5.50093E-05	3.82634E-05	6.52466E-05	6.85958E-05	1.20456E-05	5.50093E-05	3.9703E-05
7179	6.55086E-05	6.94122E-05	1.56046E-05	5.69472E-05	3.94331E-05	6.63142E-05	6.98032E-05	1.08917E-05	5.69472E-05	4.1024E-05
7180	6.91941E-05	7.33578E-05	1.59662E-05	6.1308E-05	4.11899E-05	7.04252E-05	7.41753E-05	1.0856E-05	6.1308E-05	4.30003E-05
7181	7.65823E-05	8.11473E-05	1.82247E-05	6.80105E-05	4.34924E-05	7.79689E-05	8.20879E-05	1.25413E-05	6.80105E-05	4.55816E-05
7182	8.39384E-05	8.88333E-05	2.1363E-05	7.37239E-05	4.38876E-05	8.51431E-05	8.95469E-05	1.51908E-05	7.37239E-05	4.5972E-05
7183	8.56444E-05	9.03779E-05	2.51331E-05	7.60245E-05	0.000134347	8.69708E-05	9.12748E-05	1.86044E-05	7.60245E-05	0.000130144
7184	8.04519E-05	8.46997E-05	2.61491E-05	7.28576E-05	0.000133648	8.20276E-05	8.59501E-05	1.97198E-05	7.28576E-05	0.000129301
7185	7.63672E-05	8.02858E-05	2.62737E-05	6.80629E-05	0.00013394	7.74562E-05	8.10604E-05	2.02041E-05	6.80629E-05	0.000129613
7186	7.53052E-05	7.90765E-05	2.7093E-05	6.60402E-05	0.000134141	7.59918E-05	7.94428E-05	2.1174E-05	6.60402E-05	0.000129824
7187	7.46252E-05	7.82922E-05	2.77467E-05	6.43472E-05	0.000134604	7.49269E-05	7.82594E-05	2.1991E-05	6.43472E-05	0.000130334
7188	7.3857E-05	7.75222E-05	2.70018E-05	6.39954E-05	0.000120127	7.42734E-05	7.76081E-05	2.13024E-05	6.39954E-05	0.000116971
7189	7.52991E-05	7.90691E-05	2.71035E-05	6.5219E-05	0.000119938	7.57376E-05	7.9161E-05	2.1357E-05	6.5219E-05	0.000116755
7190	7.64103E-05	8.03266E-05	2.63454E-05	6.68142E-05	0.000118938	7.71066E-05	8.06678E-05	2.05387E-05	6.68142E-05	0.000115633
7191	7.95656E-05	8.37123E-05	2.6554E-05	7.01154E-05	0.000132128	8.05002E-05	8.42766E-05	2.05132E-05	7.01154E-05	0.000127544
7192	8.58818E-05	9.03961E-05	2.81727E-05	7.56149E-05	0.000130252	8.68956E-05	9.09978E-05	2.17339E-05	7.56149E-05	0.00012544
7193	9.39842E-05	9.89747E-05	3.01866E-05	8.18825E-05	0.000128767	9.4864E-05	9.93621E-05	2.34135E-05	8.18825E-05	0.00012378
7194	0.000102827	0.00010805	3.60508E-05	8.65888E-05	0.000127893	0.000102725	0.000107375	2.88626E-05	8.65888E-05	0.000122808
7195	0.000111391	0.000116559	4.53179E-05	8.91737E-05	9.7737E-05	0.000109556	0.000114082	3.76539E-05	8.91737E-05	9.47551E-05
7196	0.000111117	0.000115954	4.92754E-05	8.61231E-05	6.88623E-05	0.000108219	0.000112408	4.1673E-05	8.61231E-05	6.81888E-05
7197	0.000106998	0.000111592	4.82655E-05	7.99455E-05	5.30423E-05	0.000103236	0.000107148	4.10847E-05	7.99455E-05	5.33311E-05
7198	9.92696E-05	0.000103657	4.31818E-05	7.2713E-05	3.87692E-05	9.53932E-05	9.9092E-05	3.66389E-05	7.2713E-05	4.02513E-05
7199	8.77566E-05	9.18037E-05	3.60195E-05	6.56382E-05	3.81216E-05	8.48467E-05	8.82898E-05	3.01538E-05	6.56382E-05	3.95298E-05
7200	7.85431E-05	8.25054E-05	2.78907E-05	6.16682E-05	3.78238E-05	7.70427E-05	8.04741E-05	2.25365E-05	6.16682E-05	3.92003E-05
7201	6.76444E-05	7.13823E-05	1.98599E-05	5.54651E-05	3.78147E-05	6.7273E-05	7.05503E-05	1.52137E-05	5.54651E-05	3.91934E-05
7202	6.49433E-05	6.87275E-05	1.65674E-05	5.50093E-05	3.82634E-05	6.52466E-05	6.85958E-05	1.20456E-05	5.50093E-05	3.9703E-05
7203	6.55086E-05	6.94122E-05	1.56046E-05	5.69472E-05	3.94331E-05	6.63142E-05	6.98032E-05	1.08917E-05	5.69472E-05	4.1024E-05
7204	6.91941E-05	7.33578E-05	1.59662E-05	6.1308E-05	4.11899E-05	7.04252E-05	7.41753E-05	1.0856E-05	6.1308E-05	4.30003E-05
7205	7.65823E-05	8.11473E-05	1.82247E-05	6.80105E-05	4.34924E-05	7.79689E-05	8.20879E-05	1.25413E-05	6.80105E-05	4.55816E-05
7206	8.39384E-05	8.88333E-05	2.1363E-05	7.37239E-05	4.38876E-05	8.51431E-05	8.95469E-05	1.51908E-05	7.37239E-05	4.5972E-05
7207	8.56444E-05	9.03779E-05	2.51331E-05	7.60245E-05	0.000134347	8.69708E-05	9.12748E-05	1.86044E-05	7.60245E-05	0.000130144
7208	8.04519E-05	8.46997E-05	2.61491E-05	7.28576E-05	0.000133648	8.20276E-05	8.59501E-05	1.97198E-05	7.28576E-05	0.000129301
7209	7.63672E-05	8.02858E-05	2.62737E-05	6.80629E-05	0.00013394	7.74562E-05	8.10604E-05	2.02041E-05	6.80629E-05	0.000129613
7210	7.53052E-05	7.90765E-05	2.7093E-05	6.60402E-05	0.000134141	7.59918E-05	7.94428E-05	2.1174E-05	6.60402E-05	0.000129824
7211	7.46252E-05	7.82922E-05	2.77467E-05	6.43472E-05	0.000134604	7.49269E-05	7.82594E-05	2.1991E-05	6.43472E-05	0.000130334

7212	7.3857E-05	7.75222E-05	2.70018E-05	6.39954E-05	0.000120127	7.42734E-05	7.76081E-05	2.13024E-05	6.39954E-05	0.000116971
7213	7.52991E-05	7.90691E-05	2.71035E-05	6.5219E-05	0.000119938	7.57376E-05	7.9161E-05	2.1357E-05	6.5219E-05	0.000116755
7214	7.64103E-05	8.03266E-05	2.63454E-05	6.68142E-05	0.000118938	7.71066E-05	8.06678E-05	2.05387E-05	6.68142E-05	0.000115633
7215	7.95656E-05	8.37123E-05	2.6554E-05	7.01154E-05	0.000132128	8.05002E-05	8.42766E-05	2.05132E-05	7.01154E-05	0.000127544
7216	8.58818E-05	9.03961E-05	2.81727E-05	7.56149E-05	0.000130252	8.68956E-05	9.09978E-05	2.17339E-05	7.56149E-05	0.00012544
7217	9.39842E-05	9.89747E-05	3.01866E-05	8.18825E-05	0.000128767	9.4864E-05	9.93621E-05	2.34135E-05	8.18825E-05	0.00012378
7218	0.000102827	0.00010805	3.60508E-05	8.65888E-05	0.000127893	0.000102725	0.000107375	2.88626E-05	8.65888E-05	0.000122808
7219	0.000111391	0.000116559	4.53179E-05	8.91737E-05	9.7737E-05	0.000109556	0.000114082	3.76539E-05	8.91737E-05	9.47551E-05
7220	0.000111117	0.000115954	4.92754E-05	8.61231E-05	6.88623E-05	0.000108219	0.000112408	4.1673E-05	8.61231E-05	6.81888E-05
7221	0.000106998	0.000111592	4.82655E-05	7.99455E-05	5.30423E-05	0.000103236	0.000107148	4.10847E-05	7.99455E-05	5.33311E-05
7222	9.92696E-05	0.000103657	4.31818E-05	7.2713E-05	3.87692E-05	9.53932E-05	9.9092E-05	3.66389E-05	7.2713E-05	4.02513E-05
7223	8.77566E-05	9.18037E-05	3.60195E-05	6.56382E-05	3.81216E-05	8.48467E-05	8.82898E-05	3.01538E-05	6.56382E-05	3.95298E-05
7224	7.85431E-05	8.25054E-05	2.78907E-05	6.16682E-05	3.78238E-05	7.70427E-05	8.04741E-05	2.25365E-05	6.16682E-05	3.92003E-05
7225	6.76444E-05	7.13823E-05	1.98599E-05	5.54651E-05	3.78147E-05	6.7273E-05	7.05503E-05	1.52137E-05	5.54651E-05	3.91934E-05
7226	6.49433E-05	6.87275E-05	1.65674E-05	5.50093E-05	3.82634E-05	6.52466E-05	6.85958E-05	1.20456E-05	5.50093E-05	3.9703E-05
7227	6.55086E-05	6.94122E-05	1.56046E-05	5.69472E-05	3.94331E-05	6.63142E-05	6.98032E-05	1.08917E-05	5.69472E-05	4.1024E-05
7228	6.91941E-05	7.33578E-05	1.59662E-05	6.1308E-05	4.11899E-05	7.04252E-05	7.41753E-05	1.0856E-05	6.1308E-05	4.30003E-05
7229	7.65823E-05	8.11473E-05	1.82247E-05	6.80105E-05	4.34924E-05	7.79689E-05	8.20879E-05	1.25413E-05	6.80105E-05	4.55816E-05
7230	8.39384E-05	8.88333E-05	2.1363E-05	7.37239E-05	4.38876E-05	8.51431E-05	8.95469E-05	1.51908E-05	7.37239E-05	4.5972E-05
7231	8.56444E-05	9.03779E-05	2.51331E-05	7.60245E-05	0.000134347	8.69708E-05	9.12748E-05	1.86044E-05	7.60245E-05	0.000130144
7232	8.04519E-05	8.46997E-05	2.61491E-05	7.28576E-05	0.000133648	8.20276E-05	8.59501E-05	1.97198E-05	7.28576E-05	0.000129301
7233	7.63672E-05	8.02858E-05	2.62737E-05	6.80629E-05	0.00013394	7.74562E-05	8.10604E-05	2.02041E-05	6.80629E-05	0.000129613
7234	7.53052E-05	7.90765E-05	2.7093E-05	6.60402E-05	0.000134141	7.59918E-05	7.94428E-05	2.1174E-05	6.60402E-05	0.000129824
7235	7.46252E-05	7.82922E-05	2.77467E-05	6.43472E-05	0.000134604	7.49269E-05	7.82594E-05	2.1991E-05	6.43472E-05	0.000130334
7236	7.3857E-05	7.75222E-05	2.70018E-05	6.39954E-05	0.000120127	7.42734E-05	7.76081E-05	2.13024E-05	6.39954E-05	0.000116971
7237	7.52991E-05	7.90691E-05	2.71035E-05	6.5219E-05	0.000119938	7.57376E-05	7.9161E-05	2.1357E-05	6.5219E-05	0.000116755
7238	7.64103E-05	8.03266E-05	2.63454E-05	6.68142E-05	0.000118938	7.71066E-05	8.06678E-05	2.05387E-05	6.68142E-05	0.000115633
7239	7.95656E-05	8.37123E-05	2.6554E-05	7.01154E-05	0.000132128	8.05002E-05	8.42766E-05	2.05132E-05	7.01154E-05	0.000127544
7240	8.58818E-05	9.03961E-05	2.81727E-05	7.56149E-05	0.000130252	8.68956E-05	9.09978E-05	2.17339E-05	7.56149E-05	0.00012544
7241	9.39842E-05	9.89747E-05	3.01866E-05	8.18825E-05	0.000128767	9.4864E-05	9.93621E-05	2.34135E-05	8.18825E-05	0.00012378
7242	0.000102827	0.00010805	3.60508E-05	8.65888E-05	0.000127893	0.000102725	0.000107375	2.88626E-05	8.65888E-05	0.000122808
7243	0.000111391	0.000116559	4.53179E-05	8.91737E-05	9.7737E-05	0.000109556	0.000114082	3.76539E-05	8.91737E-05	9.47551E-05
7244	0.000111117	0.000115954	4.92754E-05	8.61231E-05	6.88623E-05	0.000108219	0.000112408	4.1673E-05	8.61231E-05	6.81888E-05
7245	0.000106998	0.000111592	4.82655E-05	7.99455E-05	5.30423E-05	0.000103236	0.000107148	4.10847E-05	7.99455E-05	5.33311E-05
7246	9.92696E-05	0.000103657	4.31818E-05	7.2713E-05	3.87692E-05	9.53932E-05	9.9092E-05	3.66389E-05	7.2713E-05	4.02513E-05
7247	8.77566E-05	9.18037E-05	3.60195E-05	6.56382E-05	3.81216E-05	8.48467E-05	8.82898E-05	3.01538E-05	6.56382E-05	3.95298E-05
7248	7.85431E-05	8.25054E-05	2.78907E-05	6.16682E-05	3.78238E-05	7.70427E-05	8.04741E-05	2.25365E-05	6.16682E-05	3.92003E-05
7249	6.75215E-05	7.12511E-05	1.98438E-05	5.53779E-05	3.79734E-05	6.71538E-05	7.04245E-05	1.5199E-05	5.53779E-05	3.93673E-05
7250	6.49466E-05	6.87308E-05	1.65704E-05	5.5032E-05	3.84492E-05	6.52558E-05	6.86057E-05	1.20438E-05	5.5032E-05	3.99071E-05
7251	6.5465E-05	6.93661E-05	1.55948E-05	5.68829E-05	3.96212E-05	6.6262E-05	6.97479E-05	1.08901E-05	5.68829E-05	4.12308E-05
7252	6.91814E-05	7.33446E-05	1.59604E-05	6.1265E-05	4.14141E-05	7.04027E-05	7.41513E-05	1.08581E-05	6.1265E-05	4.32483E-05
7253	7.65396E-05	8.11026E-05	1.82078E-05	6.78872E-05	4.3713E-05	7.78999E-05	8.20141E-05	1.25462E-05	6.78872E-05	4.5826E-05
7254	8.39042E-05	8.87973E-05	2.1352E-05	7.36463E-05	4.41125E-05	8.50941E-05	8.94947E-05	1.51924E-05	7.36463E-05	4.62217E-05
7255	8.7392E-05	9.2256E-05	2.52107E-05	7.63646E-05	0.000134513	8.83874E-05	9.27771E-05	1.86598E-05	7.63646E-05	0.000130329
7256	8.09755E-05	8.52568E-05	2.62442E-05	7.34464E-05	0.000133779	8.26002E-05	8.65562E-05	1.97589E-05	7.34464E-05	0.000129448
7257	7.74375E-05	8.14242E-05	2.64722E-05	6.93007E-05	0.000133981	7.86365E-05	8.23102E-05	2.02805E-05	6.93007E-05	0.00012966
7258	7.64352E-05	8.02786E-05	2.73023E-05	6.73449E-05	0.000134137	7.72374E-05	8.07617E-05	2.12548E-05	6.73449E-05	0.000129823
7259	7.56502E-05	7.93825E-05	2.79367E-05	6.55316E-05	0.000134556	7.6057E-05	7.9456E-05	2.20643E-05	6.55316E-05	0.000130284
7260	7.47581E-05	7.84817E-05	2.71563E-05	6.49343E-05	0.00012009	7.52365E-05	7.86271E-05	2.13778E-05	6.49343E-05	0.000116933
7261	7.60508E-05	7.987E-05	2.72274E-05	6.59611E-05	0.0001199	7.65288E-05	7.99979E-05	2.14243E-05	6.59611E-05	0.000116717
7262	7.70641E-05	8.1023E-05	2.64546E-05	6.74715E-05	0.00011887	7.77983E-05	8.13994E-05	2.0596E-05	6.74715E-05	0.000115562
7263	8.0398E-05	8.45989E-05	2.66951E-05	7.09698E-05	0.000132032	8.13861E-05	8.52138E-05	2.05842E-05	7.09698E-05	0.000127441
7264	8.67323E-05	9.13017E-05	2.83187E-05	7.65021E-05	0.000130151	8.78049E-05	9.19599E-05	2.18049E-05	7.65021E-05	0.000125329
7265	9.46469E-05	9.96804E-05	3.02991E-05	8.25635E-05	0.000128675	9.55695E-05	0.000100108	2.347E-05	8.25635E-05	0.00012368
7266	0.000103385	0.000108644	3.61475E-05	8.71787E-05	0.000127811	0.000103324	0.000108009	2.89083E-05	8.71787E-05	0.000122718
7267	0.000111723	0.000116913	4.53787E-05	8.95515E-05	9.76835E-05	0.00010992	0.000114468	3.76783E-05	8.95515E-05	9.46974E-05
7268	0.000111627	0.000116497	4.93654E-05	8.66759E-05	6.87993E-05	0.00010877	0.000112992	4.17135E-05	8.66759E-05	6.81205E-05
7269	0.000105904	0.000110409	4.83048E-05	8.03267E-05	5.29518E-05	0.00010253	0.000106398	4.10796E-05	8.03267E-05	5.32323E-05
7270	9.97999E-05	0.000104221	4.32794E-05	7.332E-05	3.86816E-05	9.59762E-05	9.97093E-05	3.66774E-05	7.332E-05	4.0156E-05
7271	8.83435E-05	9.24284E-05	3.61232E-05	6.62746E-05	3.80321E-05	8.54813E-05	8.89615E-05	3.02002E-05	6.62746E-05	3.94325E-05
7272	7.89937E-05	8.29849E-05	2.79714E-05	6.21656E-05	3.76891E-05	7.75326E-05	8.09927E-05	2.25712E-05	6.21656E-05	3.90533E-05
7273	6.75215E-05	7.12511E-05	1.98438E-05	5.53779E-05	3.79734E-05	6.71538E-05	7.04245E-05	1.5199E-05	5.53779E-05	3.93673E-05
7274	6.49466E-05	6.87308E-05	1.65704E-05	5.5032E-05	3.84492E-05	6.52558E-05	6.86057E-05	1.20438E-05	5.5032E-05	3.99071E-05
7275	6.5465E-05	6.93661E-05	1.55948E-05	5.68829E-05	3.96212E-05	6.6262E-05	6.97479E-05	1.08901E-05	5.68829E-05	4.12308E-05
7276	6.91814E-05	7.33446E-05	1.59604E-05	6.1265E-05	4.14141E-05	7.04027E-05	7.41513E-05	1.08581E-05	6.1265E-05	4.32483E-05
7277	7.65396E-05	8.11026E-05	1.82078E-05	6.78872E-05	4.3713E-05	7.78999E-05	8.20141E-05	1.25462E-05	6.78872E-05	4.5826E-05
7278	8.39042E-05	8.87973E-05	2.1352E-05	7.36463E-05	4.41125E-05	8.50941E-05	8.94947E-05	1.51924E-05	7.36463E-05	4.62217E-05
7279	8.7392E-05	9.2256E-05	2.52107E-05	7.63646E-05	0.000134513	8.83874E-05	9.27771E-05	1.86598E-05	7.63646E-05	0.000130329
7280	8.09755E-05	8.52568E-05	2.62442E-05	7.34464E-05	0.000133779	8.26002E-05	8.65562E-05	1.97589E-05	7.34464E-05	0.000129448
7281	7.74375E-05	8.14242E-05	2.64722E-05	6.93007E-05	0.000133981	7.86365E-05	8.23102E-05	2.02805E-05	6.93007E-05	0.00012966
7282	7.64352E-05	8.02786E-05	2.73023E-05	6.73449E-05	0.000134137	7.72374E-05	8.07617E-05	2.12548E-05	6.73449E-05	0.000129823
7283	7.56502E-05	7.93825E-05	2.79367E-05	6.55316E-05	0.000134556	7.6057E-05	7.9456E-05	2.20643E-05	6.55316E-05	0.000130284
7284	7.47581E-05	7.84817E-05	2.71563E-05	6.49343E-05	0.00012009	7.52365E-05	7.86271E-05	2.13778E-05	6.49343E-05	0.000116933
7285	7.60508E-05	7.987E-05	2.72274E-05	6.59611E-05	0.0001199	7.65288E-05	7.99979E-05	2.14243E-05	6.59611E-05	0.000116717
7286	7.70641E-05	8.1023E-05	2.64546E-05	6.74715E-05	0.00011887	7.77983E-05	8.13994E-05	2.0596E-05	6.74715E-05	0.000115562
7287	8.0398E-05	8.45989E-05	2.66951E-05	7.09698E-05	0.000132032	8.13861E-05	8.52138E-05	2.05842E-05	7.09698E-05	0.000127441

7288	8.67323E-05	9.13017E-05	2.83187E-05	7.65021E-05	0.000130151	8.78049E-05	9.19599E-05	2.18049E-05	7.65021E-05	0.000125329
7289	9.46469E-05	9.96804E-05	3.02991E-05	8.25635E-05	0.000128675	9.55695E-05	0.000100108	2.347E-05	8.25635E-05	0.00012368
7290	0.000103385	0.000108644	3.61475E-05	8.71787E-05	0.000127811	0.000103324	0.000108009	2.89083E-05	8.71787E-05	0.000122718
7291	0.000111723	0.000116913	4.53787E-05	8.95515E-05	9.76835E-05	0.00010992	0.000114468	3.76783E-05	8.95515E-05	9.46974E-05
7292	0.000111627	0.000116497	4.93654E-05	8.66759E-05	6.87993E-05	0.00010877	0.000112992	4.17135E-05	8.66759E-05	6.81205E-05
7293	0.000105904	0.000110409	4.83048E-05	8.03267E-05	5.29518E-05	0.00010253	0.000106398	4.10796E-05	8.03267E-05	5.32323E-05
7294	9.97999E-05	0.000104221	4.32794E-05	7.332E-05	3.86816E-05	9.59762E-05	9.97093E-05	3.66774E-05	7.332E-05	4.0156E-05
7295	8.83435E-05	9.24284E-05	3.61232E-05	6.62746E-05	3.80321E-05	8.54813E-05	8.89615E-05	3.02002E-05	6.62746E-05	3.94325E-05
7296	7.89937E-05	8.29849E-05	2.79714E-05	6.21656E-05	3.76891E-05	7.75326E-05	8.09927E-05	2.25712E-05	6.21656E-05	3.90533E-05
7297	6.76444E-05	7.13823E-05	1.98599E-05	5.54651E-05	3.78147E-05	6.7273E-05	7.05503E-05	1.52137E-05	5.54651E-05	3.91934E-05
7298	6.49433E-05	6.87275E-05	1.65674E-05	5.50093E-05	3.82634E-05	6.52466E-05	6.85958E-05	1.20456E-05	5.50093E-05	3.9703E-05
7299	6.55086E-05	6.94122E-05	1.56046E-05	5.69472E-05	3.94331E-05	6.63142E-05	6.98032E-05	1.08917E-05	5.69472E-05	4.1024E-05
7300	6.91941E-05	7.33578E-05	1.59662E-05	6.1308E-05	4.11899E-05	7.04252E-05	7.41753E-05	1.0856E-05	6.1308E-05	4.30003E-05
7301	7.65823E-05	8.11473E-05	1.82247E-05	6.80105E-05	4.34924E-05	7.79689E-05	8.20879E-05	1.25413E-05	6.80105E-05	4.55816E-05
7302	8.39384E-05	8.88333E-05	2.1363E-05	7.37239E-05	4.38876E-05	8.51431E-05	8.95469E-05	1.51908E-05	7.37239E-05	4.5972E-05
7303	8.56444E-05	9.03779E-05	2.51331E-05	7.60245E-05	0.000134347	8.69708E-05	9.12748E-05	1.86044E-05	7.60245E-05	0.000130144
7304	8.04519E-05	8.46997E-05	2.61491E-05	7.28576E-05	0.000133648	8.20276E-05	8.59501E-05	1.97198E-05	7.28576E-05	0.000129301
7305	7.63672E-05	8.02858E-05	2.62737E-05	6.80629E-05	0.00013394	7.74562E-05	8.10604E-05	2.02041E-05	6.80629E-05	0.000129613
7306	7.53052E-05	7.90765E-05	2.7093E-05	6.60402E-05	0.000134141	7.59918E-05	7.94428E-05	2.1174E-05	6.60402E-05	0.000129824
7307	7.46252E-05	7.82922E-05	2.77467E-05	6.43472E-05	0.000134604	7.49269E-05	7.82594E-05	2.1991E-05	6.43472E-05	0.000130334
7308	7.3857E-05	7.75222E-05	2.70018E-05	6.39954E-05	0.000120127	7.42734E-05	7.76081E-05	2.13024E-05	6.39954E-05	0.000116971
7309	7.52991E-05	7.90691E-05	2.71035E-05	6.5219E-05	0.000119938	7.57376E-05	7.9161E-05	2.1357E-05	6.5219E-05	0.000116755
7310	7.64103E-05	8.03266E-05	2.63454E-05	6.68142E-05	0.000118938	7.71066E-05	8.06678E-05	2.05387E-05	6.68142E-05	0.000115633
7311	7.95656E-05	8.37123E-05	2.6554E-05	7.01154E-05	0.000132128	8.05002E-05	8.42766E-05	2.05132E-05	7.01154E-05	0.000127544
7312	8.58818E-05	9.03961E-05	2.81727E-05	7.56149E-05	0.000130252	8.68956E-05	9.09978E-05	2.17339E-05	7.56149E-05	0.00012544
7313	9.39842E-05	9.89747E-05	3.01866E-05	8.18825E-05	0.000128767	9.4864E-05	9.93621E-05	2.34135E-05	8.18825E-05	0.00012378
7314	0.000102827	0.00010805	3.60508E-05	8.65888E-05	0.000127893	0.000102725	0.000107375	2.88626E-05	8.65888E-05	0.000122808
7315	0.000111391	0.000116559	4.53179E-05	8.91737E-05	9.7737E-05	0.000109556	0.000114082	3.76539E-05	8.91737E-05	9.47551E-05
7316	0.000111117	0.000115954	4.92754E-05	8.61231E-05	6.88623E-05	0.000108219	0.000112408	4.1673E-05	8.61231E-05	6.81888E-05
7317	0.000106998	0.000111592	4.82655E-05	7.99455E-05	5.30423E-05	0.000103236	0.000107148	4.10847E-05	7.99455E-05	5.33311E-05
7318	9.92696E-05	0.000103657	4.31818E-05	7.2713E-05	3.87692E-05	9.53932E-05	9.9092E-05	3.66389E-05	7.2713E-05	4.02513E-05
7319	8.77566E-05	9.18037E-05	3.60195E-05	6.56382E-05	3.81216E-05	8.48467E-05	8.82898E-05	3.01538E-05	6.56382E-05	3.95298E-05
7320	7.85431E-05	8.25054E-05	2.78907E-05	6.16682E-05	3.78238E-05	7.70427E-05	8.04741E-05	2.25365E-05	6.16682E-05	3.92003E-05
7321	7.75835E-05	8.19492E-05	2.17741E-05	6.75361E-05	3.64571E-05	7.84054E-05	8.23428E-05	1.58609E-05	6.75361E-05	3.77167E-05
7322	7.4384E-05	7.87613E-05	1.84246E-05	6.6793E-05	3.66792E-05	7.59151E-05	7.98993E-05	1.26262E-05	6.6793E-05	3.79688E-05
7323	7.34735E-05	7.78754E-05	1.71995E-05	6.71183E-05	3.7251E-05	7.53832E-05	7.94138E-05	1.13569E-05	6.71183E-05	3.86162E-05
7324	7.6214E-05	8.0816E-05	1.73839E-05	7.03703E-05	3.84766E-05	7.84472E-05	8.26772E-05	1.12555E-05	7.03703E-05	3.99967E-05
7325	8.32835E-05	8.82658E-05	1.95904E-05	7.67615E-05	3.98876E-05	8.56565E-05	9.0236E-05	1.29119E-05	7.67615E-05	4.15841E-05
7326	9.24599E-05	9.78925E-05	2.30102E-05	8.41218E-05	3.99103E-05	9.47021E-05	9.96731E-05	1.57405E-05	8.41218E-05	4.15559E-05
7327	9.5654E-05	0.000101022	2.70355E-05	8.79734E-05	0.000129911	9.81204E-05	0.000103084	1.92785E-05	8.79734E-05	0.000125212
7328	9.35031E-05	9.85859E-05	2.85257E-05	8.75884E-05	0.000128893	9.63132E-05	0.000101074	2.06899E-05	8.75884E-05	0.000124011
7329	9.11959E-05	9.60643E-05	2.89593E-05	8.46812E-05	0.000129006	9.3652E-05	9.82057E-05	2.13192E-05	8.46812E-05	0.000124131
7330	9.01056E-05	9.4838E-05	2.96072E-05	8.12688E-05	0.000129147	9.17535E-05	9.61175E-05	2.24328E-05	8.12688E-05	0.000124282
7331	8.96047E-05	9.42513E-05	3.02031E-05	7.90395E-05	0.000129648	9.06654E-05	9.49036E-05	2.33425E-05	7.90395E-05	0.000124839
7332	8.78392E-05	9.24258E-05	2.92048E-05	7.69758E-05	0.000115404	8.87461E-05	9.29075E-05	2.26427E-05	7.69758E-05	0.000111737
7333	8.71986E-05	9.17479E-05	2.90402E-05	7.67707E-05	0.000115706	8.82044E-05	9.23443E-05	2.24434E-05	7.67707E-05	0.000112072
7334	8.71504E-05	9.17658E-05	2.81491E-05	7.76954E-05	0.000115331	8.8494E-05	9.27133E-05	2.14704E-05	7.76954E-05	0.00011165
7335	8.91873E-05	9.39617E-05	2.81522E-05	7.97194E-05	0.000129127	9.0659E-05	9.50214E-05	2.13633E-05	7.97194E-05	0.000124245
7336	9.57818E-05	0.000100943	2.98003E-05	8.53588E-05	0.000127637	9.73072E-05	0.000102009	2.26234E-05	8.53588E-05	0.000122571
7337	0.000105653	0.000111401	3.21649E-05	9.38563E-05	0.000126603	0.000107281	0.000112498	2.44094E-05	9.38563E-05	0.000121408
7338	0.000116153	0.000122242	3.83115E-05	0.000100275	0.000125776	0.000116909	0.00012238	2.99987E-05	0.000100275	0.00012048
7339	0.000124863	0.000130907	4.75968E-05	0.000102957	9.56088E-05	0.000123879	0.000129235	3.88081E-05	0.000102957	9.24099E-05
7340	0.000125296	0.000131054	5.16864E-05	0.000100731	6.70745E-05	0.000123324	0.000128389	4.28769E-05	0.000100731	6.62204E-05
7341	0.000122963	0.000128592	5.09995E-05	9.6552E-05	5.1631E-05	0.000120291	0.000125193	4.24233E-05	9.6552E-05	5.17841E-05
7342	0.000115849	0.00012131	4.60319E-05	9.00473E-05	3.76779E-05	0.000113131	0.00011786	3.80194E-05	9.00473E-05	3.90639E-05
7343	0.00010326	0.000108308	3.87236E-05	8.21653E-05	3.69111E-05	0.000101528	0.000105942	3.14106E-05	8.21653E-05	3.82051E-05
7344	9.24678E-05	9.7324E-05	3.03865E-05	7.70606E-05	3.63595E-05	9.21881E-05	9.65055E-05	2.36065E-05	7.70606E-05	3.75877E-05
7345	7.75835E-05	8.19492E-05	2.17741E-05	6.75361E-05	3.64571E-05	7.84054E-05	8.23428E-05	1.58609E-05	6.75361E-05	3.77167E-05
7346	7.4384E-05	7.87613E-05	1.84246E-05	6.6793E-05	3.66792E-05	7.59151E-05	7.98993E-05	1.26262E-05	6.6793E-05	3.79688E-05
7347	7.34735E-05	7.78754E-05	1.71995E-05	6.71183E-05	3.7251E-05	7.53832E-05	7.94138E-05	1.13569E-05	6.71183E-05	3.86162E-05
7348	7.6214E-05	8.0816E-05	1.73839E-05	7.03703E-05	3.84766E-05	7.84472E-05	8.26772E-05	1.12555E-05	7.03703E-05	3.99967E-05
7349	8.32835E-05	8.82658E-05	1.95904E-05	7.67615E-05	3.98876E-05	8.56565E-05	9.0236E-05	1.29119E-05	7.67615E-05	4.15841E-05
7350	9.24599E-05	9.78925E-05	2.30102E-05	8.41218E-05	3.99103E-05	9.47021E-05	9.96731E-05	1.57405E-05	8.41218E-05	4.15559E-05
7351	9.5654E-05	0.000101022	2.70355E-05	8.79734E-05	0.000129911	9.81204E-05	0.000103084	1.92785E-05	8.79734E-05	0.000125212
7352	9.35031E-05	9.85859E-05	2.85257E-05	8.75884E-05	0.000128893	9.63132E-05	0.000101074	2.06899E-05	8.75884E-05	0.000124011
7353	9.11959E-05	9.60643E-05	2.89593E-05	8.46812E-05	0.000129006	9.3652E-05	9.82057E-05	2.13192E-05	8.46812E-05	0.000124131
7354	9.01056E-05	9.4838E-05	2.96072E-05	8.12688E-05	0.000129147	9.17535E-05	9.61175E-05	2.24328E-05	8.12688E-05	0.000124282
7355	8.96047E-05	9.42513E-05	3.02031E-05	7.90395E-05	0.000129648	9.06654E-05	9.49036E-05	2.33425E-05	7.90395E-05	0.000124839
7356	8.78392E-05	9.24258E-05	2.92048E-05	7.69758E-05	0.000115404	8.87461E-05	9.29075E-05	2.26427E-05	7.69758E-05	0.000111737
7357	8.71986E-05	9.17479E-05	2.90402E-05	7.67707E-05	0.000115706	8.82044E-05	9.23443E-05	2.24434E-05	7.67707E-05	0.000112072
7358	8.71504E-05	9.17658E-05	2.81491E-05	7.76954E-05	0.000115331	8.8494E-05	9.27133E-05	2.14704E-05	7.76954E-05	0.00011165
7359	8.91873E-05	9.39617E-05	2.81522E-05	7.97194E-05	0.000129127	9.0659E-05	9.50214E-05	2.13633E-05	7.97194E-05	0.000124245
7360	9.57818E-05	0.000100943	2.98003E-05	8.53588E-05	0.000127637	9.73072E-05	0.000102009	2.26234E-05	8.53588E-05	0.000122571
7361	0.000105653	0.000111401	3.21649E-05	9.38563E-05	0.000126603	0.000107281	0.000112498	2.44094E-05	9.38563E-05	0.000121408
7362	0.000116153	0.000122242	3.83115E-05	0.000100275	0.000125776	0.000116909	0.00012238	2.99987E-05	0.000100275	0.00012048
7363	0.000124863	0.000130907	4.75968E-05	0.000102957	9.56088E-05	0.000123879	0.000129235	3.88081E-05	0.000102957	9.24099E-05

7364	0.000125296	0.000131054	5.16864E-05	0.000100731	6.70745E-05	0.000123324	0.000128389	4.28769E-05	0.000100731	6.62204E-05
7365	0.000122963	0.000128592	5.09995E-05	9.6552E-05	5.1631E-05	0.000120291	0.000125193	4.24233E-05	9.6552E-05	5.17841E-05
7366	0.000115849	0.00012131	4.60319E-05	9.00473E-05	3.76779E-05	0.000113131	0.00011786	3.80194E-05	9.00473E-05	3.90639E-05
7367	0.00010326	0.000108308	3.87236E-05	8.21653E-05	3.69111E-05	0.000101528	0.000105942	3.14106E-05	8.21653E-05	3.82051E-05
7368	9.24678E-05	9.7324E-05	3.03865E-05	7.70606E-05	3.63595E-05	9.21881E-05	9.65055E-05	2.36065E-05	7.70606E-05	3.75877E-05
7369	7.75835E-05	8.19492E-05	2.17741E-05	6.75361E-05	3.64571E-05	7.84054E-05	8.23428E-05	1.58609E-05	6.75361E-05	3.77167E-05
7370	7.4384E-05	7.87613E-05	1.84246E-05	6.6793E-05	3.66792E-05	7.59151E-05	7.98993E-05	1.26262E-05	6.6793E-05	3.79688E-05
7371	7.34735E-05	7.78754E-05	1.71995E-05	6.71183E-05	3.7251E-05	7.53832E-05	7.94138E-05	1.13569E-05	6.71183E-05	3.86162E-05
7372	7.6214E-05	8.0816E-05	1.73839E-05	7.03703E-05	3.84766E-05	7.84472E-05	8.26772E-05	1.12555E-05	7.03703E-05	3.99967E-05
7373	8.32835E-05	8.82658E-05	1.95904E-05	7.67615E-05	3.98876E-05	8.56565E-05	9.0236E-05	1.29119E-05	7.67615E-05	4.15841E-05
7374	9.24599E-05	9.78925E-05	2.30102E-05	8.41218E-05	3.99103E-05	9.47021E-05	9.96731E-05	1.57405E-05	8.41218E-05	4.15559E-05
7375	9.5654E-05	0.000101022	2.70355E-05	8.79734E-05	0.000129911	9.81204E-05	0.000103084	1.92785E-05	8.79734E-05	0.000125212
7376	9.35031E-05	9.85859E-05	2.85257E-05	8.75884E-05	0.000128893	9.63132E-05	0.000101074	2.06899E-05	8.75884E-05	0.000124011
7377	9.11959E-05	9.60643E-05	2.89593E-05	8.46812E-05	0.000129006	9.3652E-05	9.82057E-05	2.13192E-05	8.46812E-05	0.000124131
7378	9.01056E-05	9.4838E-05	2.96072E-05	8.12688E-05	0.000129147	9.17535E-05	9.61175E-05	2.24328E-05	8.12688E-05	0.000124282
7379	8.96047E-05	9.42513E-05	3.02031E-05	7.90395E-05	0.000129648	9.06654E-05	9.49036E-05	2.33425E-05	7.90395E-05	0.000124839
7380	8.78392E-05	9.24258E-05	2.92048E-05	7.69758E-05	0.000115404	8.87461E-05	9.29075E-05	2.26427E-05	7.69758E-05	0.000111737
7381	8.71986E-05	9.17479E-05	2.90402E-05	7.67707E-05	0.000115706	8.82044E-05	9.23443E-05	2.24434E-05	7.67707E-05	0.000112072
7382	8.71504E-05	9.17658E-05	2.81491E-05	7.76954E-05	0.000115331	8.8494E-05	9.27133E-05	2.14704E-05	7.76954E-05	0.00011165
7383	8.91873E-05	9.39617E-05	2.81522E-05	7.97194E-05	0.000129127	9.0659E-05	9.50214E-05	2.13633E-05	7.97194E-05	0.000124245
7384	9.57818E-05	0.000100943	2.98003E-05	8.53588E-05	0.000127637	9.73072E-05	0.000102009	2.26234E-05	8.53588E-05	0.000122571
7385	0.000105653	0.000111401	3.21649E-05	9.38563E-05	0.000126603	0.000107281	0.000112498	2.44094E-05	9.38563E-05	0.000121408
7386	0.000116153	0.000122242	3.83115E-05	0.000100275	0.000125776	0.000116909	0.00012238	2.99987E-05	0.000100275	0.00012048
7387	0.000124863	0.000130907	4.75968E-05	0.000102957	9.56088E-05	0.000123879	0.000129235	3.88081E-05	0.000102957	9.24099E-05
7388	0.000125296	0.000131054	5.16864E-05	0.000100731	6.70745E-05	0.000123324	0.000128389	4.28769E-05	0.000100731	6.62204E-05
7389	0.000122963	0.000128592	5.09995E-05	9.6552E-05	5.1631E-05	0.000120291	0.000125193	4.24233E-05	9.6552E-05	5.17841E-05
7390	0.000115849	0.00012131	4.60319E-05	9.00473E-05	3.76779E-05	0.000113131	0.00011786	3.80194E-05	9.00473E-05	3.90639E-05
7391	0.00010326	0.000108308	3.87236E-05	8.21653E-05	3.69111E-05	0.000101528	0.000105942	3.14106E-05	8.21653E-05	3.82051E-05
7392	9.24678E-05	9.7324E-05	3.03865E-05	7.70606E-05	3.63595E-05	9.21881E-05	9.65055E-05	2.36065E-05	7.70606E-05	3.75877E-05
7393	7.75835E-05	8.19492E-05	2.17741E-05	6.75361E-05	3.64571E-05	7.84054E-05	8.23428E-05	1.58609E-05	6.75361E-05	3.77167E-05
7394	7.4384E-05	7.87613E-05	1.84246E-05	6.6793E-05	3.66792E-05	7.59151E-05	7.98993E-05	1.26262E-05	6.6793E-05	3.79688E-05
7395	7.34735E-05	7.78754E-05	1.71995E-05	6.71183E-05	3.7251E-05	7.53832E-05	7.94138E-05	1.13569E-05	6.71183E-05	3.86162E-05
7396	7.6214E-05	8.0816E-05	1.73839E-05	7.03703E-05	3.84766E-05	7.84472E-05	8.26772E-05	1.12555E-05	7.03703E-05	3.99967E-05
7397	8.32835E-05	8.82658E-05	1.95904E-05	7.67615E-05	3.98876E-05	8.56565E-05	9.0236E-05	1.29119E-05	7.67615E-05	4.15841E-05
7398	9.24599E-05	9.78925E-05	2.30102E-05	8.41218E-05	3.99103E-05	9.47021E-05	9.96731E-05	1.57405E-05	8.41218E-05	4.15559E-05
7399	9.5654E-05	0.000101022	2.70355E-05	8.79734E-05	0.000129911	9.81204E-05	0.000103084	1.92785E-05	8.79734E-05	0.000125212
7400	9.35031E-05	9.85859E-05	2.85257E-05	8.75884E-05	0.000128893	9.63132E-05	0.000101074	2.06899E-05	8.75884E-05	0.000124011
7401	9.11959E-05	9.60643E-05	2.89593E-05	8.46812E-05	0.000129006	9.3652E-05	9.82057E-05	2.13192E-05	8.46812E-05	0.000124131
7402	9.01056E-05	9.4838E-05	2.96072E-05	8.12688E-05	0.000129147	9.17535E-05	9.61175E-05	2.24328E-05	8.12688E-05	0.000124282
7403	8.96047E-05	9.42513E-05	3.02031E-05	7.90395E-05	0.000129648	9.06654E-05	9.49036E-05	2.33425E-05	7.90395E-05	0.000124839
7404	8.78392E-05	9.24258E-05	2.92048E-05	7.69758E-05	0.000115404	8.87461E-05	9.29075E-05	2.26427E-05	7.69758E-05	0.000111737
7405	8.71986E-05	9.17479E-05	2.90402E-05	7.67707E-05	0.000115706	8.82044E-05	9.23443E-05	2.24434E-05	7.67707E-05	0.000112072
7406	8.71504E-05	9.17658E-05	2.81491E-05	7.76954E-05	0.000115331	8.8494E-05	9.27133E-05	2.14704E-05	7.76954E-05	0.00011165
7407	8.91873E-05	9.39617E-05	2.81522E-05	7.97194E-05	0.000129127	9.0659E-05	9.50214E-05	2.13633E-05	7.97194E-05	0.000124245
7408	9.57818E-05	0.000100943	2.98003E-05	8.53588E-05	0.000127637	9.73072E-05	0.000102009	2.26234E-05	8.53588E-05	0.000122571
7409	0.000105653	0.000111401	3.21649E-05	9.38563E-05	0.000126603	0.000107281	0.000112498	2.44094E-05	9.38563E-05	0.000121408
7410	0.000116153	0.000122242	3.83115E-05	0.000100275	0.000125776	0.000116909	0.00012238	2.99987E-05	0.000100275	0.00012048
7411	0.000124863	0.000130907	4.75968E-05	0.000102957	9.56088E-05	0.000123879	0.000129235	3.88081E-05	0.000102957	9.24099E-05
7412	0.000125296	0.000131054	5.16864E-05	0.000100731	6.70745E-05	0.000123324	0.000128389	4.28769E-05	0.000100731	6.62204E-05
7413	0.000122963	0.000128592	5.09995E-05	9.6552E-05	5.1631E-05	0.000120291	0.000125193	4.24233E-05	9.6552E-05	5.17841E-05
7414	0.000115849	0.00012131	4.60319E-05	9.00473E-05	3.76779E-05	0.000113131	0.00011786	3.80194E-05	9.00473E-05	3.90639E-05
7415	0.00010326	0.000108308	3.87236E-05	8.21653E-05	3.69111E-05	0.000101528	0.000105942	3.14106E-05	8.21653E-05	3.82051E-05
7416	9.24678E-05	9.7324E-05	3.03865E-05	7.70606E-05	3.63595E-05	9.21881E-05	9.65055E-05	2.36065E-05	7.70606E-05	3.75877E-05
7417	7.84652E-05	8.28895E-05	2.19063E-05	6.82997E-05	3.62314E-05	7.93017E-05	8.32898E-05	1.59513E-05	6.82997E-05	3.7461E-05
7418	7.42388E-05	7.86058E-05	1.8411E-05	6.67335E-05	3.67196E-05	7.57872E-05	7.97647E-05	1.26042E-05	6.67335E-05	3.80152E-05
7419	7.33604E-05	7.77541E-05	1.71915E-05	6.70932E-05	3.73109E-05	7.52898E-05	7.93159E-05	1.13375E-05	6.70932E-05	3.86846E-05
7420	7.61183E-05	8.07126E-05	1.73863E-05	7.04242E-05	3.85639E-05	7.83905E-05	8.26185E-05	1.1231E-05	7.04242E-05	4.00959E-05
7421	8.32208E-05	8.81982E-05	1.9591E-05	7.67894E-05	4.00051E-05	8.56172E-05	9.01953E-05	1.28966E-05	7.67894E-05	4.17172E-05
7422	9.23249E-05	9.77484E-05	2.29926E-05	8.40271E-05	4.00942E-05	9.45716E-05	9.95353E-05	1.57242E-05	8.40271E-05	4.17634E-05
7423	9.70638E-05	0.00010254	2.70538E-05	8.795E-05	0.000130243	9.91726E-05	0.0001042	1.9307E-05	8.795E-05	0.000125586
7424	9.30723E-05	9.81268E-05	2.84571E-05	8.7183E-05	0.000129373	9.58657E-05	0.000100601	2.06492E-05	8.7183E-05	0.000124551
7425	9.04053E-05	9.522E-05	2.88549E-05	8.41122E-05	0.000129485	9.28827E-05	9.73937E-05	2.12257E-05	8.41122E-05	0.00012467
7426	8.90213E-05	9.36822E-05	2.94383E-05	8.02779E-05	0.000129601	9.06359E-05	9.49361E-05	2.23272E-05	8.02779E-05	0.000124793
7427	8.82195E-05	9.27743E-05	2.9992E-05	7.78115E-05	0.000130088	8.92488E-05	9.34066E-05	2.32035E-05	7.78115E-05	0.000125332
7428	8.63889E-05	9.08789E-05	2.89891E-05	7.57344E-05	0.00011585	8.72761E-05	9.13545E-05	2.24924E-05	7.57344E-05	0.000112237
7429	8.58765E-05	9.03386E-05	2.88344E-05	7.55636E-05	0.000116154	8.6842E-05	9.09043E-05	2.23145E-05	7.55636E-05	0.000112573
7430	8.5544E-05	9.00528E-05	2.79043E-05	7.62723E-05	0.000115687	8.68514E-05	9.09776E-05	2.13091E-05	7.62723E-05	0.000112048
7431	8.81964E-05	9.29052E-05	2.80012E-05	7.88408E-05	0.000129421	8.96456E-05	9.39505E-05	2.12639E-05	7.88408E-05	0.000124573
7432	9.49197E-05	0.000100026	2.96475E-05	8.44198E-05	0.000127878	9.63737E-05	0.000101021	2.25557E-05	8.44198E-05	0.000122839
7433	0.000105091	0.000110804	3.20619E-05	9.32168E-05	0.000126801	0.000106664	0.000111845	2.43683E-05	9.32168E-05	0.000121629
7434	0.00011539	0.00012143	3.81738E-05	9.94242E-05	0.000125931	0.000116077	0.0001215	2.99409E-05	9.94242E-05	0.000120653
7435	0.000124151	0.000130149	4.74764E-05	0.000102229	9.57547E-05	0.000123123	0.000128434	3.87471E-05	0.000102229	9.25733E-05
7436	0.000124635	0.000130351	5.15671E-05	9.99941E-05	6.72092E-05	0.000122604	0.000127626	4.28269E-05	9.99941E-05	6.63717E-05
7437	0.000120682	0.000126147	5.08285E-05	9.56398E-05	5.17465E-05	0.0001183	0.000123083	4.23251E-05	9.56398E-05	5.19141E-05
7438	0.0001152	0.00012062	4.5917E-05	8.93414E-05	3.77733E-05	0.000112429	0.000117116	3.79684E-05	8.93414E-05	3.91713E-05
7439	0.000102812	0.000107832	3.86357E-05	8.16079E-05	3.69366E-05	0.000101022	0.000105406	3.13828E-05	8.16079E-05	3.82335E-05

7440	9.21466E-05	9.69825E-05	3.0325E-05	7.6673E-05	3.62904E-05	9.18291E-05	9.61253E-05	2.35853E-05	7.6673E-05	3.75096E-05
7441	7.84652E-05	8.28895E-05	2.19063E-05	6.82997E-05	3.62314E-05	7.93017E-05	8.32898E-05	1.59513E-05	6.82997E-05	3.7461E-05
7442	7.42388E-05	7.86058E-05	1.8411E-05	6.67335E-05	3.67196E-05	7.57872E-05	7.97647E-05	1.26042E-05	6.67335E-05	3.80152E-05
7443	7.33604E-05	7.77541E-05	1.71915E-05	6.70932E-05	3.73109E-05	7.52898E-05	7.93159E-05	1.13375E-05	6.70932E-05	3.86846E-05
7444	7.61183E-05	8.07126E-05	1.73863E-05	7.04242E-05	3.85639E-05	7.83905E-05	8.26185E-05	1.1231E-05	7.04242E-05	4.00959E-05
7445	8.32208E-05	8.81982E-05	1.9591E-05	7.67894E-05	4.00051E-05	8.56172E-05	9.01953E-05	1.28966E-05	7.67894E-05	4.17172E-05
7446	9.23249E-05	9.77484E-05	2.29926E-05	8.40271E-05	4.00942E-05	9.45716E-05	9.95353E-05	1.57242E-05	8.40271E-05	4.17634E-05
7447	9.70638E-05	0.00010254	2.70538E-05	8.795E-05	0.000130243	9.91726E-05	0.0001042	1.9307E-05	8.795E-05	0.000125586
7448	9.30723E-05	9.81268E-05	2.84571E-05	8.7183E-05	0.000129373	9.58657E-05	0.000100601	2.06492E-05	8.7183E-05	0.000124551
7449	9.04053E-05	9.522E-05	2.88549E-05	8.41122E-05	0.000129485	9.28827E-05	9.73937E-05	2.12257E-05	8.41122E-05	0.00012467
7450	8.90213E-05	9.36822E-05	2.94383E-05	8.02779E-05	0.000129601	9.06359E-05	9.49361E-05	2.23272E-05	8.02779E-05	0.000124793
7451	8.82195E-05	9.27743E-05	2.9992E-05	7.78115E-05	0.000130088	8.92488E-05	9.34066E-05	2.32035E-05	7.78115E-05	0.000125332
7452	8.63889E-05	9.08789E-05	2.89891E-05	7.57344E-05	0.00011585	8.72761E-05	9.13545E-05	2.24924E-05	7.57344E-05	0.000112237
7453	8.58765E-05	9.03386E-05	2.88344E-05	7.55636E-05	0.000116154	8.6842E-05	9.09043E-05	2.23145E-05	7.55636E-05	0.000112573
7454	8.5544E-05	9.00528E-05	2.79043E-05	7.62723E-05	0.000115687	8.68514E-05	9.09776E-05	2.13091E-05	7.62723E-05	0.000112048
7455	8.81964E-05	9.29052E-05	2.80012E-05	7.88408E-05	0.000129421	8.96456E-05	9.39505E-05	2.12639E-05	7.88408E-05	0.000124573
7456	9.49197E-05	0.000100026	2.96475E-05	8.44198E-05	0.000127878	9.63737E-05	0.000101021	2.25557E-05	8.44198E-05	0.000122839
7457	0.000105091	0.000110804	3.20619E-05	9.32168E-05	0.000126801	0.000106664	0.000111845	2.43683E-05	9.32168E-05	0.000121629
7458	0.00011539	0.00012143	3.81738E-05	9.94242E-05	0.000125931	0.000116077	0.0001215	2.99409E-05	9.94242E-05	0.000120653
7459	0.000124151	0.000130149	4.74764E-05	0.000102229	9.57547E-05	0.000123123	0.000128434	3.87471E-05	0.000102229	9.25733E-05
7460	0.000124635	0.000130351	5.15671E-05	9.99941E-05	6.72092E-05	0.000122604	0.000127626	4.28269E-05	9.99941E-05	6.63717E-05
7461	0.000120682	0.000126147	5.08285E-05	9.56398E-05	5.17465E-05	0.0001183	0.000123083	4.23251E-05	9.56398E-05	5.19141E-05
7462	0.0001152	0.00012062	4.5917E-05	8.93414E-05	3.77733E-05	0.000112429	0.000117116	3.79684E-05	8.93414E-05	3.91713E-05
7463	0.000102812	0.000107832	3.86357E-05	8.16079E-05	3.69366E-05	0.000101022	0.000105406	3.13828E-05	8.16079E-05	3.82335E-05
7464	9.21466E-05	9.69825E-05	3.0325E-05	7.6673E-05	3.62904E-05	9.18291E-05	9.61253E-05	2.35853E-05	7.6673E-05	3.75096E-05
7465	7.75835E-05	8.19492E-05	2.17741E-05	6.75361E-05	3.64571E-05	7.84054E-05	8.23428E-05	1.58609E-05	6.75361E-05	3.77167E-05
7466	7.4384E-05	7.87613E-05	1.84246E-05	6.6793E-05	3.66792E-05	7.59151E-05	7.98993E-05	1.26262E-05	6.6793E-05	3.79688E-05
7467	7.34735E-05	7.78754E-05	1.71995E-05	6.71183E-05	3.7251E-05	7.53832E-05	7.94138E-05	1.13569E-05	6.71183E-05	3.86162E-05
7468	7.6214E-05	8.0816E-05	1.73839E-05	7.03703E-05	3.84766E-05	7.84472E-05	8.26772E-05	1.12555E-05	7.03703E-05	3.99967E-05
7469	8.32835E-05	8.82658E-05	1.95904E-05	7.67615E-05	3.98876E-05	8.56565E-05	9.0236E-05	1.29119E-05	7.67615E-05	4.15841E-05
7470	9.24599E-05	9.78925E-05	2.30102E-05	8.41218E-05	3.99103E-05	9.47021E-05	9.96731E-05	1.57405E-05	8.41218E-05	4.15559E-05
7471	9.5654E-05	0.000101022	2.70355E-05	8.79734E-05	0.000129911	9.81204E-05	0.000103084	1.92785E-05	8.79734E-05	0.000125212
7472	9.35031E-05	9.85859E-05	2.85257E-05	8.75884E-05	0.000128893	9.63132E-05	0.000101074	2.06899E-05	8.75884E-05	0.000124011
7473	9.11959E-05	9.60643E-05	2.89593E-05	8.46812E-05	0.000129006	9.3652E-05	9.82057E-05	2.13192E-05	8.46812E-05	0.000124131
7474	9.01056E-05	9.4838E-05	2.96072E-05	8.12688E-05	0.000129147	9.17535E-05	9.61175E-05	2.24328E-05	8.12688E-05	0.000124282
7475	8.96047E-05	9.42513E-05	3.02031E-05	7.90395E-05	0.000129648	9.06654E-05	9.49036E-05	2.33425E-05	7.90395E-05	0.000124839
7476	8.78392E-05	9.24258E-05	2.92048E-05	7.69758E-05	0.000115404	8.87461E-05	9.29075E-05	2.26427E-05	7.69758E-05	0.000111737
7477	8.71986E-05	9.17479E-05	2.90402E-05	7.67707E-05	0.000115706	8.82044E-05	9.23443E-05	2.24434E-05	7.67707E-05	0.000112072
7478	8.71504E-05	9.17658E-05	2.81491E-05	7.76954E-05	0.000115331	8.8494E-05	9.27133E-05	2.14704E-05	7.76954E-05	0.00011165
7479	8.91873E-05	9.39617E-05	2.81522E-05	7.97194E-05	0.000129127	9.0659E-05	9.50214E-05	2.13633E-05	7.97194E-05	0.000124245
7480	9.57818E-05	0.000100943	2.98003E-05	8.53588E-05	0.000127637	9.73072E-05	0.000102009	2.26234E-05	8.53588E-05	0.000122571
7481	0.000105653	0.000111401	3.21649E-05	9.38563E-05	0.000126603	0.000107281	0.000112498	2.44094E-05	9.38563E-05	0.000121408
7482	0.000116153	0.000122242	3.83115E-05	0.000100275	0.000125776	0.000116909	0.00012238	2.99987E-05	0.000100275	0.00012048
7483	0.000124863	0.000130907	4.75968E-05	0.000102957	9.56088E-05	0.000123879	0.000129235	3.88081E-05	0.000102957	9.24099E-05
7484	0.000125296	0.000131054	5.16864E-05	0.000100731	6.70745E-05	0.000123324	0.000128389	4.28769E-05	0.000100731	6.62204E-05
7485	0.000122963	0.000128592	5.09995E-05	9.6552E-05	5.1631E-05	0.000120291	0.000125193	4.24233E-05	9.6552E-05	5.17841E-05
7486	0.000115849	0.00012131	4.60319E-05	9.00473E-05	3.76779E-05	0.000113131	0.00011786	3.80194E-05	9.00473E-05	3.90639E-05
7487	0.00010326	0.000108308	3.87236E-05	8.21653E-05	3.69111E-05	0.000101528	0.000105942	3.14106E-05	8.21653E-05	3.82051E-05
7488	9.24678E-05	9.7324E-05	3.03865E-05	7.70606E-05	3.63595E-05	9.21881E-05	9.65055E-05	2.36065E-05	7.70606E-05	3.75877E-05
7489	7.75835E-05	8.19492E-05	2.17741E-05	6.75361E-05	3.64571E-05	7.84054E-05	8.23428E-05	1.58609E-05	6.75361E-05	3.77167E-05
7490	7.4384E-05	7.87613E-05	1.84246E-05	6.6793E-05	3.66792E-05	7.59151E-05	7.98993E-05	1.26262E-05	6.6793E-05	3.79688E-05
7491	7.34735E-05	7.78754E-05	1.71995E-05	6.71183E-05	3.7251E-05	7.53832E-05	7.94138E-05	1.13569E-05	6.71183E-05	3.86162E-05
7492	7.6214E-05	8.0816E-05	1.73839E-05	7.03703E-05	3.84766E-05	7.84472E-05	8.26772E-05	1.12555E-05	7.03703E-05	3.99967E-05
7493	8.32835E-05	8.82658E-05	1.95904E-05	7.67615E-05	3.98876E-05	8.56565E-05	9.0236E-05	1.29119E-05	7.67615E-05	4.15841E-05
7494	9.24599E-05	9.78925E-05	2.30102E-05	8.41218E-05	3.99103E-05	9.47021E-05	9.96731E-05	1.57405E-05	8.41218E-05	4.15559E-05
7495	9.5654E-05	0.000101022	2.70355E-05	8.79734E-05	0.000129911	9.81204E-05	0.000103084	1.92785E-05	8.79734E-05	0.000125212
7496	9.35031E-05	9.85859E-05	2.85257E-05	8.75884E-05	0.000128893	9.63132E-05	0.000101074	2.06899E-05	8.75884E-05	0.000124011
7497	9.11959E-05	9.60643E-05	2.89593E-05	8.46812E-05	0.000129006	9.3652E-05	9.82057E-05	2.13192E-05	8.46812E-05	0.000124131
7498	9.01056E-05	9.4838E-05	2.96072E-05	8.12688E-05	0.000129147	9.17535E-05	9.61175E-05	2.24328E-05	8.12688E-05	0.000124282
7499	8.96047E-05	9.42513E-05	3.02031E-05	7.90395E-05	0.000129648	9.06654E-05	9.49036E-05	2.33425E-05	7.90395E-05	0.000124839
7500	8.78392E-05	9.24258E-05	2.92048E-05	7.69758E-05	0.000115404	8.87461E-05	9.29075E-05	2.26427E-05	7.69758E-05	0.000111737
7501	8.71986E-05	9.17479E-05	2.90402E-05	7.67707E-05	0.000115706	8.82044E-05	9.23443E-05	2.24434E-05	7.67707E-05	0.000112072
7502	8.71504E-05	9.17658E-05	2.81491E-05	7.76954E-05	0.000115331	8.8494E-05	9.27133E-05	2.14704E-05	7.76954E-05	0.00011165
7503	8.91873E-05	9.39617E-05	2.81522E-05	7.97194E-05	0.000129127	9.0659E-05	9.50214E-05	2.13633E-05	7.97194E-05	0.000124245
7504	9.57818E-05	0.000100943	2.98003E-05	8.53588E-05	0.000127637	9.73072E-05	0.000102009	2.26234E-05	8.53588E-05	0.000122571
7505	0.000105653	0.000111401	3.21649E-05	9.38563E-05	0.000126603	0.000107281	0.000112498	2.44094E-05	9.38563E-05	0.000121408
7506	0.000116153	0.000122242	3.83115E-05	0.000100275	0.000125776	0.000116909	0.00012238	2.99987E-05	0.000100275	0.00012048
7507	0.000124863	0.000130907	4.75968E-05	0.000102957	9.56088E-05	0.000123879	0.000129235	3.88081E-05	0.000102957	9.24099E-05
7508	0.000125296	0.000131054	5.16864E-05	0.000100731	6.70745E-05	0.000123324	0.000128389	4.28769E-05	0.000100731	6.62204E-05
7509	0.000122963	0.000128592	5.09995E-05	9.6552E-05	5.1631E-05	0.000120291	0.000125193	4.24233E-05	9.6552E-05	5.17841E-05
7510	0.000115849	0.00012131	4.60319E-05	9.00473E-05	3.76779E-05	0.000113131	0.00011786	3.80194E-05	9.00473E-05	3.90639E-05
7511	0.00010326	0.000108308	3.87236E-05	8.21653E-05	3.69111E-05	0.000101528	0.000105942	3.14106E-05	8.21653E-05	3.82051E-05
7512	9.24678E-05	9.7324E-05	3.03865E-05	7.70606E-05	3.63595E-05	9.21881E-05	9.65055E-05	2.36065E-05	7.70606E-05	3.75877E-05
7513	7.75835E-05	8.19492E-05	2.17741E-05	6.75361E-05	3.64571E-05	7.84054E-05	8.23428E-05	1.58609E-05	6.75361E-05	3.77167E-05
7514	7.4384E-05	7.87613E-05	1.84246E-05	6.6793E-05	3.66792E-05	7.59151E-05	7.98993E-05	1.26262E-05	6.6793E-05	3.79688E-05
7515	7.34735E-05	7.78754E-05	1.71995E-05	6.71183E-05	3.7251E-05	7.53832E-05	7.94138E-05	1.13569E-05	6.71183E-05	3.86162E-05

7516	7.6214E-05	8.0816E-05	1.73839E-05	7.03703E-05	3.84766E-05	7.84472E-05	8.26772E-05	1.12555E-05	7.03703E-05	3.99967E-05
7517	8.32835E-05	8.82658E-05	1.95904E-05	7.67615E-05	3.98876E-05	8.56565E-05	9.0236E-05	1.29119E-05	7.67615E-05	4.15841E-05
7518	9.24599E-05	9.78925E-05	2.30102E-05	8.41218E-05	3.99103E-05	9.47021E-05	9.96731E-05	1.57405E-05	8.41218E-05	4.15559E-05
7519	9.5654E-05	0.000101022	2.70355E-05	8.79734E-05	0.000129911	9.81204E-05	0.000103084	1.92785E-05	8.79734E-05	0.000125212
7520	9.35031E-05	9.85859E-05	2.85257E-05	8.75884E-05	0.000128893	9.63132E-05	0.000101074	2.06899E-05	8.75884E-05	0.000124011
7521	9.11959E-05	9.60643E-05	2.89593E-05	8.46812E-05	0.000129006	9.3652E-05	9.82057E-05	2.13192E-05	8.46812E-05	0.000124131
7522	9.01056E-05	9.4838E-05	2.96072E-05	8.12688E-05	0.000129147	9.17535E-05	9.61175E-05	2.24328E-05	8.12688E-05	0.000124282
7523	8.96047E-05	9.42513E-05	3.02031E-05	7.90395E-05	0.000129648	9.06654E-05	9.49036E-05	2.33425E-05	7.90395E-05	0.000124839
7524	8.78392E-05	9.24258E-05	2.92048E-05	7.69758E-05	0.000115404	8.87461E-05	9.29075E-05	2.26427E-05	7.69758E-05	0.000111737
7525	8.71986E-05	9.17479E-05	2.90402E-05	7.67707E-05	0.000115706	8.82044E-05	9.23443E-05	2.24434E-05	7.67707E-05	0.000112072
7526	8.71504E-05	9.17658E-05	2.81491E-05	7.76954E-05	0.000115331	8.8494E-05	9.27133E-05	2.14704E-05	7.76954E-05	0.00011165
7527	8.91873E-05	9.39617E-05	2.81522E-05	7.97194E-05	0.000129127	9.0659E-05	9.50214E-05	2.13633E-05	7.97194E-05	0.000124245
7528	9.57818E-05	0.000100943	2.98003E-05	8.53588E-05	0.000127637	9.73072E-05	0.000102009	2.26234E-05	8.53588E-05	0.000122571
7529	0.000105653	0.000111401	3.21649E-05	9.38563E-05	0.000126603	0.000107281	0.000112498	2.44094E-05	9.38563E-05	0.000121408
7530	0.000116153	0.000122242	3.83115E-05	0.000100275	0.000125776	0.000116909	0.00012238	2.99987E-05	0.000100275	0.00012048
7531	0.000124863	0.000130907	4.75968E-05	0.000102957	9.56088E-05	0.000123879	0.000129235	3.88081E-05	0.000102957	9.24099E-05
7532	0.000125296	0.000131054	5.16864E-05	0.000100731	6.70745E-05	0.000123324	0.000128389	4.28769E-05	0.000100731	6.62204E-05
7533	0.000122963	0.000128592	5.09995E-05	9.6552E-05	5.1631E-05	0.000120291	0.000125193	4.24233E-05	9.6552E-05	5.17841E-05
7534	0.000115849	0.00012131	4.60319E-05	9.00473E-05	3.76779E-05	0.000113131	0.00011786	3.80194E-05	9.00473E-05	3.90639E-05
7535	0.00010326	0.000108308	3.87236E-05	8.21653E-05	3.69111E-05	0.000101528	0.000105942	3.14106E-05	8.21653E-05	3.82051E-05
7536	9.24678E-05	9.7324E-05	3.03865E-05	7.70606E-05	3.63595E-05	9.21881E-05	9.65055E-05	2.36065E-05	7.70606E-05	3.75877E-05
7537	7.75835E-05	8.19492E-05	2.17741E-05	6.75361E-05	3.64571E-05	7.84054E-05	8.23428E-05	1.58609E-05	6.75361E-05	3.77167E-05
7538	7.4384E-05	7.87613E-05	1.84246E-05	6.6793E-05	3.66792E-05	7.59151E-05	7.98993E-05	1.26262E-05	6.6793E-05	3.79688E-05
7539	7.34735E-05	7.78754E-05	1.71995E-05	6.71183E-05	3.7251E-05	7.53832E-05	7.94138E-05	1.13569E-05	6.71183E-05	3.86162E-05
7540	7.6214E-05	8.0816E-05	1.73839E-05	7.03703E-05	3.84766E-05	7.84472E-05	8.26772E-05	1.12555E-05	7.03703E-05	3.99967E-05
7541	8.32835E-05	8.82658E-05	1.95904E-05	7.67615E-05	3.98876E-05	8.56565E-05	9.0236E-05	1.29119E-05	7.67615E-05	4.15841E-05
7542	9.24599E-05	9.78925E-05	2.30102E-05	8.41218E-05	3.99103E-05	9.47021E-05	9.96731E-05	1.57405E-05	8.41218E-05	4.15559E-05
7543	9.5654E-05	0.000101022	2.70355E-05	8.79734E-05	0.000129911	9.81204E-05	0.000103084	1.92785E-05	8.79734E-05	0.000125212
7544	9.35031E-05	9.85859E-05	2.85257E-05	8.75884E-05	0.000128893	9.63132E-05	0.000101074	2.06899E-05	8.75884E-05	0.000124011
7545	9.11959E-05	9.60643E-05	2.89593E-05	8.46812E-05	0.000129006	9.3652E-05	9.82057E-05	2.13192E-05	8.46812E-05	0.000124131
7546	9.01056E-05	9.4838E-05	2.96072E-05	8.12688E-05	0.000129147	9.17535E-05	9.61175E-05	2.24328E-05	8.12688E-05	0.000124282
7547	8.96047E-05	9.42513E-05	3.02031E-05	7.90395E-05	0.000129648	9.06654E-05	9.49036E-05	2.33425E-05	7.90395E-05	0.000124839
7548	8.78392E-05	9.24258E-05	2.92048E-05	7.69758E-05	0.000115404	8.87461E-05	9.29075E-05	2.26427E-05	7.69758E-05	0.000111737
7549	8.71986E-05	9.17479E-05	2.90402E-05	7.67707E-05	0.000115706	8.82044E-05	9.23443E-05	2.24434E-05	7.67707E-05	0.000112072
7550	8.71504E-05	9.17658E-05	2.81491E-05	7.76954E-05	0.000115331	8.8494E-05	9.27133E-05	2.14704E-05	7.76954E-05	0.00011165
7551	8.91873E-05	9.39617E-05	2.81522E-05	7.97194E-05	0.000129127	9.0659E-05	9.50214E-05	2.13633E-05	7.97194E-05	0.000124245
7552	9.57818E-05	0.000100943	2.98003E-05	8.53588E-05	0.000127637	9.73072E-05	0.000102009	2.26234E-05	8.53588E-05	0.000122571
7553	0.000105653	0.000111401	3.21649E-05	9.38563E-05	0.000126603	0.000107281	0.000112498	2.44094E-05	9.38563E-05	0.000121408
7554	0.000116153	0.000122242	3.83115E-05	0.000100275	0.000125776	0.000116909	0.00012238	2.99987E-05	0.000100275	0.00012048
7555	0.000124863	0.000130907	4.75968E-05	0.000102957	9.56088E-05	0.000123879	0.000129235	3.88081E-05	0.000102957	9.24099E-05
7556	0.000125296	0.000131054	5.16864E-05	0.000100731	6.70745E-05	0.000123324	0.000128389	4.28769E-05	0.000100731	6.62204E-05
7557	0.000122963	0.000128592	5.09995E-05	9.6552E-05	5.1631E-05	0.000120291	0.000125193	4.24233E-05	9.6552E-05	5.17841E-05
7558	0.000115849	0.00012131	4.60319E-05	9.00473E-05	3.76779E-05	0.000113131	0.00011786	3.80194E-05	9.00473E-05	3.90639E-05
7559	0.00010326	0.000108308	3.87236E-05	8.21653E-05	3.69111E-05	0.000101528	0.000105942	3.14106E-05	8.21653E-05	3.82051E-05
7560	9.24678E-05	9.7324E-05	3.03865E-05	7.70606E-05	3.63595E-05	9.21881E-05	9.65055E-05	2.36065E-05	7.70606E-05	3.75877E-05
7561	7.84652E-05	8.28895E-05	2.19063E-05	6.82997E-05	3.62314E-05	7.93017E-05	8.32898E-05	1.59513E-05	6.82997E-05	3.7461E-05
7562	7.42388E-05	7.86058E-05	1.8411E-05	6.67335E-05	3.67196E-05	7.57872E-05	7.97647E-05	1.26042E-05	6.67335E-05	3.80152E-05
7563	7.33604E-05	7.77541E-05	1.71915E-05	6.70932E-05	3.73109E-05	7.52898E-05	7.93159E-05	1.13375E-05	6.70932E-05	3.86846E-05
7564	7.61183E-05	8.07126E-05	1.73863E-05	7.04242E-05	3.85639E-05	7.83905E-05	8.26185E-05	1.1231E-05	7.04242E-05	4.00959E-05
7565	8.32208E-05	8.81982E-05	1.9591E-05	7.67894E-05	4.00051E-05	8.56172E-05	9.01953E-05	1.28966E-05	7.67894E-05	4.17172E-05
7566	9.23249E-05	9.77484E-05	2.29926E-05	8.40271E-05	4.00942E-05	9.45716E-05	9.95353E-05	1.57242E-05	8.40271E-05	4.17634E-05
7567	9.70638E-05	0.00010254	2.70538E-05	8.795E-05	0.000130243	9.91726E-05	0.0001042	1.9307E-05	8.795E-05	0.000125586
7568	9.30723E-05	9.81268E-05	2.84571E-05	8.7183E-05	0.000129373	9.58657E-05	0.000100601	2.06492E-05	8.7183E-05	0.000124551
7569	9.04053E-05	9.522E-05	2.88549E-05	8.41122E-05	0.000129485	9.28827E-05	9.73937E-05	2.12257E-05	8.41122E-05	0.00012467
7570	8.90213E-05	9.36822E-05	2.94383E-05	8.02779E-05	0.000129601	9.06359E-05	9.49361E-05	2.23272E-05	8.02779E-05	0.000124793
7571	8.82195E-05	9.27743E-05	2.9992E-05	7.78115E-05	0.000130088	8.92488E-05	9.34066E-05	2.32035E-05	7.78115E-05	0.000125332
7572	8.63889E-05	9.08789E-05	2.89891E-05	7.57344E-05	0.00011585	8.72761E-05	9.13545E-05	2.24924E-05	7.57344E-05	0.000112237
7573	8.58765E-05	9.03386E-05	2.88344E-05	7.55636E-05	0.000116154	8.6842E-05	9.09043E-05	2.23145E-05	7.55636E-05	0.000112573
7574	8.5544E-05	9.00528E-05	2.79043E-05	7.62723E-05	0.000115687	8.68514E-05	9.09776E-05	2.13091E-05	7.62723E-05	0.000112048
7575	8.81964E-05	9.29052E-05	2.80012E-05	7.88408E-05	0.000129421	8.96456E-05	9.39505E-05	2.12639E-05	7.88408E-05	0.000124573
7576	9.49197E-05	0.000100026	2.96475E-05	8.44198E-05	0.000127878	9.63737E-05	0.000101021	2.25557E-05	8.44198E-05	0.000122839
7577	0.000105091	0.000110804	3.20619E-05	9.32168E-05	0.000126801	0.000106664	0.000111845	2.43683E-05	9.32168E-05	0.000121629
7578	0.00011539	0.00012143	3.81738E-05	9.94242E-05	0.000125931	0.000116077	0.0001215	2.99409E-05	9.94242E-05	0.000120653
7579	0.000124151	0.000130149	4.74764E-05	0.000102229	9.57547E-05	0.000123123	0.000128434	3.87471E-05	0.000102229	9.25733E-05
7580	0.000124635	0.000130351	5.15671E-05	9.99941E-05	6.72092E-05	0.000122604	0.000127626	4.28269E-05	9.99941E-05	6.63717E-05
7581	0.000120682	0.000126147	5.08285E-05	9.56398E-05	5.17465E-05	0.0001183	0.000123083	4.23251E-05	9.56398E-05	5.19141E-05
7582	0.0001152	0.00012062	4.5917E-05	8.93414E-05	3.77733E-05	0.000112429	0.000117116	3.79684E-05	8.93414E-05	3.91713E-05
7583	0.000102812	0.000107832	3.86357E-05	8.16079E-05	3.69366E-05	0.000101022	0.000105406	3.13828E-05	8.16079E-05	3.82335E-05
7584	9.21466E-05	9.69825E-05	3.0325E-05	7.6673E-05	3.62904E-05	9.18291E-05	9.61253E-05	2.35853E-05	7.6673E-05	3.75096E-05
7585	7.84652E-05	8.28895E-05	2.19063E-05	6.82997E-05	3.62314E-05	7.93017E-05	8.32898E-05	1.59513E-05	6.82997E-05	3.7461E-05
7586	7.42388E-05	7.86058E-05	1.8411E-05	6.67335E-05	3.67196E-05	7.57872E-05	7.97647E-05	1.26042E-05	6.67335E-05	3.80152E-05
7587	7.33604E-05	7.77541E-05	1.71915E-05	6.70932E-05	3.73109E-05	7.52898E-05	7.93159E-05	1.13375E-05	6.70932E-05	3.86846E-05
7588	7.61183E-05	8.07126E-05	1.73863E-05	7.04242E-05	3.85639E-05	7.83905E-05	8.26185E-05	1.1231E-05	7.04242E-05	4.00959E-05
7589	8.32208E-05	8.81982E-05	1.9591E-05	7.67894E-05	4.00051E-05	8.56172E-05	9.01953E-05	1.28966E-05	7.67894E-05	4.17172E-05
7590	9.23249E-05	9.77484E-05	2.29926E-05	8.40271E-05	4.00942E-05	9.45716E-05	9.95353E-05	1.57242E-05	8.40271E-05	4.17634E-05
7591	9.70638E-05	0.00010254	2.70538E-05	8.795E-05	0.000130243	9.91726E-05	0.0001042	1.9307E-05	8.795E-05	0.000125586

7592	9.30723E-05	9.81268E-05	2.84571E-05	8.7183E-05	0.000129373	9.58657E-05	0.000100601	2.06492E-05	8.7183E-05	0.000124551
7593	9.04053E-05	9.522E-05	2.88549E-05	8.41122E-05	0.000129485	9.28827E-05	9.73937E-05	2.12257E-05	8.41122E-05	0.00012467
7594	8.90213E-05	9.36822E-05	2.94383E-05	8.02779E-05	0.000129601	9.06359E-05	9.49361E-05	2.23272E-05	8.02779E-05	0.000124793
7595	8.82195E-05	9.27743E-05	2.9992E-05	7.78115E-05	0.000130088	8.92488E-05	9.34066E-05	2.32035E-05	7.78115E-05	0.000125332
7596	8.63889E-05	9.08789E-05	2.89891E-05	7.57344E-05	0.00011585	8.72761E-05	9.13545E-05	2.24924E-05	7.57344E-05	0.000112237
7597	8.58765E-05	9.03386E-05	2.88344E-05	7.55636E-05	0.000116154	8.6842E-05	9.09043E-05	2.23145E-05	7.55636E-05	0.000112573
7598	8.5544E-05	9.00528E-05	2.79043E-05	7.62723E-05	0.000115687	8.68514E-05	9.09776E-05	2.13091E-05	7.62723E-05	0.000112048
7599	8.81964E-05	9.29052E-05	2.80012E-05	7.88408E-05	0.000129421	8.96456E-05	9.39505E-05	2.12639E-05	7.88408E-05	0.000124573
7600	9.49197E-05	0.000100026	2.96475E-05	8.44198E-05	0.000127878	9.63737E-05	0.000101021	2.25557E-05	8.44198E-05	0.000122839
7601	0.000105091	0.000110804	3.20619E-05	9.32168E-05	0.000126801	0.000106664	0.000111845	2.43683E-05	9.32168E-05	0.000121629
7602	0.00011539	0.00012143	3.81738E-05	9.94242E-05	0.000125931	0.000116077	0.0001215	2.99409E-05	9.94242E-05	0.000120653
7603	0.000124151	0.000130149	4.74764E-05	0.000102229	9.57547E-05	0.000123123	0.000128434	3.87471E-05	0.000102229	9.25733E-05
7604	0.000124635	0.000130351	5.15671E-05	9.99941E-05	6.72092E-05	0.000122604	0.000127626	4.28269E-05	9.99941E-05	6.63717E-05
7605	0.000120682	0.000126147	5.08285E-05	9.56398E-05	5.17465E-05	0.0001183	0.000123083	4.23251E-05	9.56398E-05	5.19141E-05
7606	0.0001152	0.00012062	4.5917E-05	8.93414E-05	3.77733E-05	0.000112429	0.000117116	3.79684E-05	8.93414E-05	3.91713E-05
7607	0.000102812	0.000107832	3.86357E-05	8.16079E-05	3.69366E-05	0.000101022	0.000105406	3.13828E-05	8.16079E-05	3.82335E-05
7608	9.21466E-05	9.69825E-05	3.0325E-05	7.6673E-05	3.62904E-05	9.18291E-05	9.61253E-05	2.35853E-05	7.6673E-05	3.75096E-05
7609	7.84652E-05	8.28895E-05	2.19063E-05	6.82997E-05	3.62314E-05	7.93017E-05	8.32898E-05	1.59513E-05	6.82997E-05	3.7461E-05
7610	7.42388E-05	7.86058E-05	1.8411E-05	6.67335E-05	3.67196E-05	7.57872E-05	7.97647E-05	1.26042E-05	6.67335E-05	3.80152E-05
7611	7.33604E-05	7.77541E-05	1.71915E-05	6.70932E-05	3.73109E-05	7.52898E-05	7.93159E-05	1.13375E-05	6.70932E-05	3.86846E-05
7612	7.61183E-05	8.07126E-05	1.73863E-05	7.04242E-05	3.85639E-05	7.83905E-05	8.26185E-05	1.1231E-05	7.04242E-05	4.00959E-05
7613	8.32208E-05	8.81982E-05	1.9591E-05	7.67894E-05	4.00051E-05	8.56172E-05	9.01953E-05	1.28966E-05	7.67894E-05	4.17172E-05
7614	9.23249E-05	9.77484E-05	2.29926E-05	8.40271E-05	4.00942E-05	9.45716E-05	9.95353E-05	1.57242E-05	8.40271E-05	4.17634E-05
7615	9.70638E-05	0.00010254	2.70538E-05	8.795E-05	0.000130243	9.91726E-05	0.0001042	1.9307E-05	8.795E-05	0.000125586
7616	9.30723E-05	9.81268E-05	2.84571E-05	8.7183E-05	0.000129373	9.58657E-05	0.000100601	2.06492E-05	8.7183E-05	0.000124551
7617	9.04053E-05	9.522E-05	2.88549E-05	8.41122E-05	0.000129485	9.28827E-05	9.73937E-05	2.12257E-05	8.41122E-05	0.00012467
7618	8.90213E-05	9.36822E-05	2.94383E-05	8.02779E-05	0.000129601	9.06359E-05	9.49361E-05	2.23272E-05	8.02779E-05	0.000124793
7619	8.82195E-05	9.27743E-05	2.9992E-05	7.78115E-05	0.000130088	8.92488E-05	9.34066E-05	2.32035E-05	7.78115E-05	0.000125332
7620	8.63889E-05	9.08789E-05	2.89891E-05	7.57344E-05	0.00011585	8.72761E-05	9.13545E-05	2.24924E-05	7.57344E-05	0.000112237
7621	8.58765E-05	9.03386E-05	2.88344E-05	7.55636E-05	0.000116154	8.6842E-05	9.09043E-05	2.23145E-05	7.55636E-05	0.000112573
7622	8.5544E-05	9.00528E-05	2.79043E-05	7.62723E-05	0.000115687	8.68514E-05	9.09776E-05	2.13091E-05	7.62723E-05	0.000112048
7623	8.81964E-05	9.29052E-05	2.80012E-05	7.88408E-05	0.000129421	8.96456E-05	9.39505E-05	2.12639E-05	7.88408E-05	0.000124573
7624	9.49197E-05	0.000100026	2.96475E-05	8.44198E-05	0.000127878	9.63737E-05	0.000101021	2.25557E-05	8.44198E-05	0.000122839
7625	0.000105091	0.000110804	3.20619E-05	9.32168E-05	0.000126801	0.000106664	0.000111845	2.43683E-05	9.32168E-05	0.000121629
7626	0.00011539	0.00012143	3.81738E-05	9.94242E-05	0.000125931	0.000116077	0.0001215	2.99409E-05	9.94242E-05	0.000120653
7627	0.000124151	0.000130149	4.74764E-05	0.000102229	9.57547E-05	0.000123123	0.000128434	3.87471E-05	0.000102229	9.25733E-05
7628	0.000124635	0.000130351	5.15671E-05	9.99941E-05	6.72092E-05	0.000122604	0.000127626	4.28269E-05	9.99941E-05	6.63717E-05
7629	0.000120682	0.000126147	5.08285E-05	9.56398E-05	5.17465E-05	0.0001183	0.000123083	4.23251E-05	9.56398E-05	5.19141E-05
7630	0.0001152	0.00012062	4.5917E-05	8.93414E-05	3.77733E-05	0.000112429	0.000117116	3.79684E-05	8.93414E-05	3.91713E-05
7631	0.000102812	0.000107832	3.86357E-05	8.16079E-05	3.69366E-05	0.000101022	0.000105406	3.13828E-05	8.16079E-05	3.82335E-05
7632	9.21466E-05	9.69825E-05	3.0325E-05	7.6673E-05	3.62904E-05	9.18291E-05	9.61253E-05	2.35853E-05	7.6673E-05	3.75096E-05
7633	7.75835E-05	8.19492E-05	2.17741E-05	6.75361E-05	3.64571E-05	7.84054E-05	8.23428E-05	1.58609E-05	6.75361E-05	3.77167E-05
7634	7.4384E-05	7.87613E-05	1.84246E-05	6.6793E-05	3.66792E-05	7.59151E-05	7.98993E-05	1.26262E-05	6.6793E-05	3.79688E-05
7635	7.34735E-05	7.78754E-05	1.71995E-05	6.71183E-05	3.7251E-05	7.53832E-05	7.94138E-05	1.13569E-05	6.71183E-05	3.86162E-05
7636	7.6214E-05	8.0816E-05	1.73839E-05	7.03703E-05	3.84766E-05	7.84472E-05	8.26772E-05	1.12555E-05	7.03703E-05	3.99967E-05
7637	8.32835E-05	8.82658E-05	1.95904E-05	7.67615E-05	3.98876E-05	8.56565E-05	9.0236E-05	1.29119E-05	7.67615E-05	4.15841E-05
7638	9.24599E-05	9.78925E-05	2.30102E-05	8.41218E-05	3.99103E-05	9.47021E-05	9.96731E-05	1.57405E-05	8.41218E-05	4.15559E-05
7639	9.5654E-05	0.000101022	2.70355E-05	8.79734E-05	0.000129911	9.81204E-05	0.000103084	1.92785E-05	8.79734E-05	0.000125212
7640	9.35031E-05	9.85859E-05	2.85257E-05	8.75884E-05	0.000128893	9.63132E-05	0.000101074	2.06899E-05	8.75884E-05	0.000124011
7641	9.11959E-05	9.60643E-05	2.89593E-05	8.46812E-05	0.000129006	9.3652E-05	9.82057E-05	2.13192E-05	8.46812E-05	0.000124131
7642	9.01056E-05	9.4838E-05	2.96072E-05	8.12688E-05	0.000129147	9.17535E-05	9.61175E-05	2.24328E-05	8.12688E-05	0.000124282
7643	8.96047E-05	9.42513E-05	3.02031E-05	7.90395E-05	0.000129648	9.06654E-05	9.49036E-05	2.33425E-05	7.90395E-05	0.000124839
7644	8.78392E-05	9.24258E-05	2.92048E-05	7.69758E-05	0.000115404	8.87461E-05	9.29075E-05	2.26427E-05	7.69758E-05	0.000111737
7645	8.71986E-05	9.17479E-05	2.90402E-05	7.67707E-05	0.000115706	8.82044E-05	9.23443E-05	2.24434E-05	7.67707E-05	0.000112072
7646	8.71504E-05	9.17658E-05	2.81491E-05	7.76954E-05	0.000115331	8.8494E-05	9.27133E-05	2.14704E-05	7.76954E-05	0.00011165
7647	8.91873E-05	9.39617E-05	2.81522E-05	7.97194E-05	0.000129127	9.0659E-05	9.50214E-05	2.13633E-05	7.97194E-05	0.000124245
7648	9.57818E-05	0.000100943	2.98003E-05	8.53588E-05	0.000127637	9.73072E-05	0.000102009	2.26234E-05	8.53588E-05	0.000122571
7649	0.000105653	0.000111401	3.21649E-05	9.38563E-05	0.000126603	0.000107281	0.000112498	2.44094E-05	9.38563E-05	0.000121408
7650	0.000116153	0.000122242	3.83115E-05	0.000100275	0.000125776	0.000116909	0.00012238	2.99987E-05	0.000100275	0.00012048
7651	0.000124863	0.000130907	4.75968E-05	0.000102957	9.56088E-05	0.000123879	0.000129235	3.88081E-05	0.000102957	9.24099E-05
7652	0.000125296	0.000131054	5.16864E-05	0.000100731	6.70745E-05	0.000123324	0.000128389	4.28769E-05	0.000100731	6.62204E-05
7653	0.000122963	0.000128592	5.09995E-05	9.6552E-05	5.1631E-05	0.000120291	0.000125193	4.24233E-05	9.6552E-05	5.17841E-05
7654	0.000115849	0.00012131	4.60319E-05	9.00473E-05	3.76779E-05	0.000113131	0.00011786	3.80194E-05	9.00473E-05	3.90639E-05
7655	0.00010326	0.000108308	3.87236E-05	8.21653E-05	3.69111E-05	0.000101528	0.000105942	3.14106E-05	8.21653E-05	3.82051E-05
7656	9.24678E-05	9.7324E-05	3.03865E-05	7.70606E-05	3.63595E-05	9.21881E-05	9.65055E-05	2.36065E-05	7.70606E-05	3.75877E-05
7657	7.75835E-05	8.19492E-05	2.17741E-05	6.75361E-05	3.64571E-05	7.84054E-05	8.23428E-05	1.58609E-05	6.75361E-05	3.77167E-05
7658	7.4384E-05	7.87613E-05	1.84246E-05	6.6793E-05	3.66792E-05	7.59151E-05	7.98993E-05	1.26262E-05	6.6793E-05	3.79688E-05
7659	7.34735E-05	7.78754E-05	1.71995E-05	6.71183E-05	3.7251E-05	7.53832E-05	7.94138E-05	1.13569E-05	6.71183E-05	3.86162E-05
7660	7.6214E-05	8.0816E-05	1.73839E-05	7.03703E-05	3.84766E-05	7.84472E-05	8.26772E-05	1.12555E-05	7.03703E-05	3.99967E-05
7661	8.32835E-05	8.82658E-05	1.95904E-05	7.67615E-05	3.98876E-05	8.56565E-05	9.0236E-05	1.29119E-05	7.67615E-05	4.15841E-05
7662	9.24599E-05	9.78925E-05	2.30102E-05	8.41218E-05	3.99103E-05	9.47021E-05	9.96731E-05	1.57405E-05	8.41218E-05	4.15559E-05
7663	9.5654E-05	0.000101022	2.70355E-05	8.79734E-05	0.000129911	9.81204E-05	0.000103084	1.92785E-05	8.79734E-05	0.000125212
7664	9.35031E-05	9.85859E-05	2.85257E-05	8.75884E-05	0.000128893	9.63132E-05	0.000101074	2.06899E-05	8.75884E-05	0.000124011
7665	9.11959E-05	9.60643E-05	2.89593E-05	8.46812E-05	0.000129006	9.3652E-05	9.82057E-05	2.13192E-05	8.46812E-05	0.000124131
7666	9.01056E-05	9.4838E-05	2.96072E-05	8.12688E-05	0.000129147	9.17535E-05	9.61175E-05	2.24328E-05	8.12688E-05	0.000124282
7667	8.96047E-05	9.42513E-05	3.02031E-05	7.90395E-05	0.000129648	9.06654E-05	9.49036E-05	2.33425E-05	7.90395E-05	0.000124839

7668	8.78392E-05	9.24258E-05	2.92048E-05	7.69758E-05	0.000115404	8.87461E-05	9.29075E-05	2.26427E-05	7.69758E-05	0.000111737
7669	8.71986E-05	9.17479E-05	2.90402E-05	7.67707E-05	0.000115706	8.82044E-05	9.23443E-05	2.24434E-05	7.67707E-05	0.000112072
7670	8.71504E-05	9.17658E-05	2.81491E-05	7.76954E-05	0.000115331	8.8494E-05	9.27133E-05	2.14704E-05	7.76954E-05	0.00011165
7671	8.91873E-05	9.39617E-05	2.81522E-05	7.97194E-05	0.000129127	9.0659E-05	9.50214E-05	2.13633E-05	7.97194E-05	0.000124245
7672	9.57818E-05	0.000100943	2.98003E-05	8.53588E-05	0.000127637	9.73072E-05	0.000102009	2.26234E-05	8.53588E-05	0.000122571
7673	0.000105653	0.000111401	3.21649E-05	9.38563E-05	0.000126603	0.000107281	0.000112498	2.44094E-05	9.38563E-05	0.000121408
7674	0.000116153	0.000122242	3.83115E-05	0.000100275	0.000125776	0.000116909	0.00012238	2.99987E-05	0.000100275	0.00012048
7675	0.000124863	0.000130907	4.75968E-05	0.000102957	9.56088E-05	0.000123879	0.000129235	3.88081E-05	0.000102957	9.24099E-05
7676	0.000125296	0.000131054	5.16864E-05	0.000100731	6.70745E-05	0.000123324	0.000128389	4.28769E-05	0.000100731	6.62204E-05
7677	0.000122963	0.000128592	5.09995E-05	9.6552E-05	5.1631E-05	0.000120291	0.000125193	4.24233E-05	9.6552E-05	5.17841E-05
7678	0.000115849	0.00012131	4.60319E-05	9.00473E-05	3.76779E-05	0.000113131	0.00011786	3.80194E-05	9.00473E-05	3.90639E-05
7679	0.00010326	0.000108308	3.87236E-05	8.21653E-05	3.69111E-05	0.000101528	0.000105942	3.14106E-05	8.21653E-05	3.82051E-05
7680	9.24678E-05	9.7324E-05	3.03865E-05	7.70606E-05	3.63595E-05	9.21881E-05	9.65055E-05	2.36065E-05	7.70606E-05	3.75877E-05
7681	7.75835E-05	8.19492E-05	2.17741E-05	6.75361E-05	3.64571E-05	7.84054E-05	8.23428E-05	1.58609E-05	6.75361E-05	3.77167E-05
7682	7.4384E-05	7.87613E-05	1.84246E-05	6.6793E-05	3.66792E-05	7.59151E-05	7.98993E-05	1.26262E-05	6.6793E-05	3.79688E-05
7683	7.34735E-05	7.78754E-05	1.71995E-05	6.71183E-05	3.7251E-05	7.53832E-05	7.94138E-05	1.13569E-05	6.71183E-05	3.86162E-05
7684	7.6214E-05	8.0816E-05	1.73839E-05	7.03703E-05	3.84766E-05	7.84472E-05	8.26772E-05	1.12555E-05	7.03703E-05	3.99967E-05
7685	8.32835E-05	8.82658E-05	1.95904E-05	7.67615E-05	3.98876E-05	8.56565E-05	9.0236E-05	1.29119E-05	7.67615E-05	4.15841E-05
7686	9.24599E-05	9.78925E-05	2.30102E-05	8.41218E-05	3.99103E-05	9.47021E-05	9.96731E-05	1.57405E-05	8.41218E-05	4.15559E-05
7687	9.5654E-05	0.000101022	2.70355E-05	8.79734E-05	0.000129911	9.81204E-05	0.000103084	1.92785E-05	8.79734E-05	0.000125212
7688	9.35031E-05	9.85859E-05	2.85257E-05	8.75884E-05	0.000128893	9.63132E-05	0.000101074	2.06899E-05	8.75884E-05	0.000124011
7689	9.11959E-05	9.60643E-05	2.89593E-05	8.46812E-05	0.000129006	9.3652E-05	9.82057E-05	2.13192E-05	8.46812E-05	0.000124131
7690	9.01056E-05	9.4838E-05	2.96072E-05	8.12688E-05	0.000129147	9.17535E-05	9.61175E-05	2.24328E-05	8.12688E-05	0.000124282
7691	8.96047E-05	9.42513E-05	3.02031E-05	7.90395E-05	0.000129648	9.06654E-05	9.49036E-05	2.33425E-05	7.90395E-05	0.000124839
7692	8.78392E-05	9.24258E-05	2.92048E-05	7.69758E-05	0.000115404	8.87461E-05	9.29075E-05	2.26427E-05	7.69758E-05	0.000111737
7693	8.71986E-05	9.17479E-05	2.90402E-05	7.67707E-05	0.000115706	8.82044E-05	9.23443E-05	2.24434E-05	7.67707E-05	0.000112072
7694	8.71504E-05	9.17658E-05	2.81491E-05	7.76954E-05	0.000115331	8.8494E-05	9.27133E-05	2.14704E-05	7.76954E-05	0.00011165
7695	8.91873E-05	9.39617E-05	2.81522E-05	7.97194E-05	0.000129127	9.0659E-05	9.50214E-05	2.13633E-05	7.97194E-05	0.000124245
7696	9.57818E-05	0.000100943	2.98003E-05	8.53588E-05	0.000127637	9.73072E-05	0.000102009	2.26234E-05	8.53588E-05	0.000122571
7697	0.000105653	0.000111401	3.21649E-05	9.38563E-05	0.000126603	0.000107281	0.000112498	2.44094E-05	9.38563E-05	0.000121408
7698	0.000116153	0.000122242	3.83115E-05	0.000100275	0.000125776	0.000116909	0.00012238	2.99987E-05	0.000100275	0.00012048
7699	0.000124863	0.000130907	4.75968E-05	0.000102957	9.56088E-05	0.000123879	0.000129235	3.88081E-05	0.000102957	9.24099E-05
7700	0.000125296	0.000131054	5.16864E-05	0.000100731	6.70745E-05	0.000123324	0.000128389	4.28769E-05	0.000100731	6.62204E-05
7701	0.000122963	0.000128592	5.09995E-05	9.6552E-05	5.1631E-05	0.000120291	0.000125193	4.24233E-05	9.6552E-05	5.17841E-05
7702	0.000115849	0.00012131	4.60319E-05	9.00473E-05	3.76779E-05	0.000113131	0.00011786	3.80194E-05	9.00473E-05	3.90639E-05
7703	0.00010326	0.000108308	3.87236E-05	8.21653E-05	3.69111E-05	0.000101528	0.000105942	3.14106E-05	8.21653E-05	3.82051E-05
7704	9.24678E-05	9.7324E-05	3.03865E-05	7.70606E-05	3.63595E-05	9.21881E-05	9.65055E-05	2.36065E-05	7.70606E-05	3.75877E-05
7705	7.75835E-05	8.19492E-05	2.17741E-05	6.75361E-05	3.64571E-05	7.84054E-05	8.23428E-05	1.58609E-05	6.75361E-05	3.77167E-05
7706	7.4384E-05	7.87613E-05	1.84246E-05	6.6793E-05	3.66792E-05	7.59151E-05	7.98993E-05	1.26262E-05	6.6793E-05	3.79688E-05
7707	7.34735E-05	7.78754E-05	1.71995E-05	6.71183E-05	3.7251E-05	7.53832E-05	7.94138E-05	1.13569E-05	6.71183E-05	3.86162E-05
7708	7.6214E-05	8.0816E-05	1.73839E-05	7.03703E-05	3.84766E-05	7.84472E-05	8.26772E-05	1.12555E-05	7.03703E-05	3.99967E-05
7709	8.32835E-05	8.82658E-05	1.95904E-05	7.67615E-05	3.98876E-05	8.56565E-05	9.0236E-05	1.29119E-05	7.67615E-05	4.15841E-05
7710	9.24599E-05	9.78925E-05	2.30102E-05	8.41218E-05	3.99103E-05	9.47021E-05	9.96731E-05	1.57405E-05	8.41218E-05	4.15559E-05
7711	9.5654E-05	0.000101022	2.70355E-05	8.79734E-05	0.000129911	9.81204E-05	0.000103084	1.92785E-05	8.79734E-05	0.000125212
7712	9.35031E-05	9.85859E-05	2.85257E-05	8.75884E-05	0.000128893	9.63132E-05	0.000101074	2.06899E-05	8.75884E-05	0.000124011
7713	9.11959E-05	9.60643E-05	2.89593E-05	8.46812E-05	0.000129006	9.3652E-05	9.82057E-05	2.13192E-05	8.46812E-05	0.000124131
7714	9.01056E-05	9.4838E-05	2.96072E-05	8.12688E-05	0.000129147	9.17535E-05	9.61175E-05	2.24328E-05	8.12688E-05	0.000124282
7715	8.96047E-05	9.42513E-05	3.02031E-05	7.90395E-05	0.000129648	9.06654E-05	9.49036E-05	2.33425E-05	7.90395E-05	0.000124839
7716	8.78392E-05	9.24258E-05	2.92048E-05	7.69758E-05	0.000115404	8.87461E-05	9.29075E-05	2.26427E-05	7.69758E-05	0.000111737
7717	8.71986E-05	9.17479E-05	2.90402E-05	7.67707E-05	0.000115706	8.82044E-05	9.23443E-05	2.24434E-05	7.67707E-05	0.000112072
7718	8.71504E-05	9.17658E-05	2.81491E-05	7.76954E-05	0.000115331	8.8494E-05	9.27133E-05	2.14704E-05	7.76954E-05	0.00011165
7719	8.91873E-05	9.39617E-05	2.81522E-05	7.97194E-05	0.000129127	9.0659E-05	9.50214E-05	2.13633E-05	7.97194E-05	0.000124245
7720	9.57818E-05	0.000100943	2.98003E-05	8.53588E-05	0.000127637	9.73072E-05	0.000102009	2.26234E-05	8.53588E-05	0.000122571
7721	0.000105653	0.000111401	3.21649E-05	9.38563E-05	0.000126603	0.000107281	0.000112498	2.44094E-05	9.38563E-05	0.000121408
7722	0.000116153	0.000122242	3.83115E-05	0.000100275	0.000125776	0.000116909	0.00012238	2.99987E-05	0.000100275	0.00012048
7723	0.000124863	0.000130907	4.75968E-05	0.000102957	9.56088E-05	0.000123879	0.000129235	3.88081E-05	0.000102957	9.24099E-05
7724	0.000125296	0.000131054	5.16864E-05	0.000100731	6.70745E-05	0.000123324	0.000128389	4.28769E-05	0.000100731	6.62204E-05
7725	0.000122963	0.000128592	5.09995E-05	9.6552E-05	5.1631E-05	0.000120291	0.000125193	4.24233E-05	9.6552E-05	5.17841E-05
7726	0.000115849	0.00012131	4.60319E-05	9.00473E-05	3.76779E-05	0.000113131	0.00011786	3.80194E-05	9.00473E-05	3.90639E-05
7727	0.00010326	0.000108308	3.87236E-05	8.21653E-05	3.69111E-05	0.000101528	0.000105942	3.14106E-05	8.21653E-05	3.82051E-05
7728	9.24678E-05	9.7324E-05	3.03865E-05	7.70606E-05	3.63595E-05	9.21881E-05	9.65055E-05	2.36065E-05	7.70606E-05	3.75877E-05
7729	7.75835E-05	8.19492E-05	2.17741E-05	6.75361E-05	3.64571E-05	7.84054E-05	8.23428E-05	1.58609E-05	6.75361E-05	3.77167E-05
7730	7.4384E-05	7.87613E-05	1.84246E-05	6.6793E-05	3.66792E-05	7.59151E-05	7.98993E-05	1.26262E-05	6.6793E-05	3.79688E-05
7731	7.34735E-05	7.78754E-05	1.71995E-05	6.71183E-05	3.7251E-05	7.53832E-05	7.94138E-05	1.13569E-05	6.71183E-05	3.86162E-05
7732	7.6214E-05	8.0816E-05	1.73839E-05	7.03703E-05	3.84766E-05	7.84472E-05	8.26772E-05	1.12555E-05	7.03703E-05	3.99967E-05
7733	8.32835E-05	8.82658E-05	1.95904E-05	7.67615E-05	3.98876E-05	8.56565E-05	9.0236E-05	1.29119E-05	7.67615E-05	4.15841E-05
7734	9.24599E-05	9.78925E-05	2.30102E-05	8.41218E-05	3.99103E-05	9.47021E-05	9.96731E-05	1.57405E-05	8.41218E-05	4.15559E-05
7735	9.5654E-05	0.000101022	2.70355E-05	8.79734E-05	0.000129911	9.81204E-05	0.000103084	1.92785E-05	8.79734E-05	0.000125212
7736	9.35031E-05	9.85859E-05	2.85257E-05	8.75884E-05	0.000128893	9.63132E-05	0.000101074	2.06899E-05	8.75884E-05	0.000124011
7737	9.11959E-05	9.60643E-05	2.89593E-05	8.46812E-05	0.000129006	9.3652E-05	9.82057E-05	2.13192E-05	8.46812E-05	0.000124131
7738	9.01056E-05	9.4838E-05	2.96072E-05	8.12688E-05	0.000129147	9.17535E-05	9.61175E-05	2.24328E-05	8.12688E-05	0.000124282
7739	8.96047E-05	9.42513E-05	3.02031E-05	7.90395E-05	0.000129648	9.06654E-05	9.49036E-05	2.33425E-05	7.90395E-05	0.000124839
7740	8.78392E-05	9.24258E-05	2.92048E-05	7.69758E-05	0.000115404	8.87461E-05	9.29075E-05	2.26427E-05	7.69758E-05	0.000111737
7741	8.71986E-05	9.17479E-05	2.90402E-05	7.67707E-05	0.000115706	8.82044E-05	9.23443E-05	2.24434E-05	7.67707E-05	0.000112072
7742	8.71504E-05	9.17658E-05	2.81491E-05	7.76954E-05	0.000115331	8.8494E-05	9.27133E-05	2.14704E-05	7.76954E-05	0.00011165
7743	8.91873E-05	9.39617E-05	2.81522E-05	7.97194E-05	0.000129127	9.0659E-05	9.50214E-05	2.13633E-05	7.97194E-05	0.000124245

7744	9.57818E-05	0.000100943	2.98003E-05	8.53588E-05	0.000127637	9.73072E-05	0.000102009	2.26234E-05	8.53588E-05	0.000122571
7745	0.000105653	0.000111401	3.21649E-05	9.38563E-05	0.000126603	0.000107281	0.000112498	2.44094E-05	9.38563E-05	0.000121408
7746	0.000116153	0.000122242	3.83115E-05	0.000100275	0.000125776	0.000116909	0.00012238	2.99987E-05	0.000100275	0.00012048
7747	0.000124863	0.000130907	4.75968E-05	0.000102957	9.56088E-05	0.000123879	0.000129235	3.88081E-05	0.000102957	9.24099E-05
7748	0.000125296	0.000131054	5.16864E-05	0.000100731	6.70745E-05	0.000123324	0.000128389	4.28769E-05	0.000100731	6.62204E-05
7749	0.000122963	0.000128592	5.09995E-05	9.6552E-05	5.1631E-05	0.000120291	0.000125193	4.24233E-05	9.6552E-05	5.17841E-05
7750	0.000115849	0.00012131	4.60319E-05	9.00473E-05	3.76779E-05	0.000113131	0.00011786	3.80194E-05	9.00473E-05	3.90639E-05
7751	0.00010326	0.000108308	3.87236E-05	8.21653E-05	3.69111E-05	0.000101528	0.000105942	3.14106E-05	8.21653E-05	3.82051E-05
7752	9.24678E-05	9.7324E-05	3.03865E-05	7.70606E-05	3.63595E-05	9.21881E-05	9.65055E-05	2.36065E-05	7.70606E-05	3.75877E-05
7753	7.84652E-05	8.28895E-05	2.19063E-05	6.82997E-05	3.62314E-05	7.93017E-05	8.32898E-05	1.59513E-05	6.82997E-05	3.7461E-05
7754	7.42388E-05	7.86058E-05	1.8411E-05	6.67335E-05	3.67196E-05	7.57872E-05	7.97647E-05	1.26042E-05	6.67335E-05	3.80152E-05
7755	7.33604E-05	7.77541E-05	1.71915E-05	6.70932E-05	3.73109E-05	7.52898E-05	7.93159E-05	1.13375E-05	6.70932E-05	3.86846E-05
7756	7.61183E-05	8.07126E-05	1.73863E-05	7.04242E-05	3.85639E-05	7.83905E-05	8.26185E-05	1.1231E-05	7.04242E-05	4.00959E-05
7757	8.32208E-05	8.81982E-05	1.9591E-05	7.67894E-05	4.00051E-05	8.56172E-05	9.01953E-05	1.28966E-05	7.67894E-05	4.17172E-05
7758	9.23249E-05	9.77484E-05	2.29926E-05	8.40271E-05	4.00942E-05	9.45716E-05	9.95353E-05	1.57242E-05	8.40271E-05	4.17634E-05
7759	9.70638E-05	0.00010254	2.70538E-05	8.795E-05	0.000130243	9.91726E-05	0.0001042	1.9307E-05	8.795E-05	0.000125586
7760	9.30723E-05	9.81268E-05	2.84571E-05	8.7183E-05	0.000129373	9.58657E-05	0.000100601	2.06492E-05	8.7183E-05	0.000124551
7761	9.04053E-05	9.522E-05	2.88549E-05	8.41122E-05	0.000129485	9.28827E-05	9.73937E-05	2.12257E-05	8.41122E-05	0.00012467
7762	8.90213E-05	9.36822E-05	2.94383E-05	8.02779E-05	0.000129601	9.06359E-05	9.49361E-05	2.23272E-05	8.02779E-05	0.000124793
7763	8.82195E-05	9.27743E-05	2.9992E-05	7.78115E-05	0.000130088	8.92488E-05	9.34066E-05	2.32035E-05	7.78115E-05	0.000125332
7764	8.63889E-05	9.08789E-05	2.89891E-05	7.57344E-05	0.00011585	8.72761E-05	9.13545E-05	2.24924E-05	7.57344E-05	0.000112237
7765	8.58765E-05	9.03386E-05	2.88344E-05	7.55636E-05	0.000116154	8.6842E-05	9.09043E-05	2.23145E-05	7.55636E-05	0.000112573
7766	8.5544E-05	9.00528E-05	2.79043E-05	7.62723E-05	0.000115687	8.68514E-05	9.09776E-05	2.13091E-05	7.62723E-05	0.000112048
7767	8.81964E-05	9.29052E-05	2.80012E-05	7.88408E-05	0.000129421	8.96456E-05	9.39505E-05	2.12639E-05	7.88408E-05	0.000124573
7768	9.49197E-05	0.000100026	2.96475E-05	8.44198E-05	0.000127878	9.63737E-05	0.000101021	2.25557E-05	8.44198E-05	0.000122839
7769	0.000105091	0.000110804	3.20619E-05	9.32168E-05	0.000126801	0.000106664	0.000111845	2.43683E-05	9.32168E-05	0.000121629
7770	0.00011539	0.00012143	3.81738E-05	9.94242E-05	0.000125931	0.000116077	0.0001215	2.99409E-05	9.94242E-05	0.000120653
7771	0.000124151	0.000130149	4.74764E-05	0.000102229	9.57547E-05	0.000123123	0.000128434	3.87471E-05	0.000102229	9.25733E-05
7772	0.000124635	0.000130351	5.15671E-05	9.99941E-05	6.72092E-05	0.000122604	0.000127626	4.28269E-05	9.99941E-05	6.63717E-05
7773	0.000120682	0.000126147	5.08285E-05	9.56398E-05	5.17465E-05	0.0001183	0.000123083	4.23251E-05	9.56398E-05	5.19141E-05
7774	0.0001152	0.00012062	4.5917E-05	8.93414E-05	3.77733E-05	0.000112429	0.000117116	3.79684E-05	8.93414E-05	3.91713E-05
7775	0.000102812	0.000107832	3.86357E-05	8.16079E-05	3.69366E-05	0.000101022	0.000105406	3.13828E-05	8.16079E-05	3.82335E-05
7776	9.21466E-05	9.69825E-05	3.0325E-05	7.6673E-05	3.62904E-05	9.18291E-05	9.61253E-05	2.35853E-05	7.6673E-05	3.75096E-05
7777	7.84652E-05	8.28895E-05	2.19063E-05	6.82997E-05	3.62314E-05	7.93017E-05	8.32898E-05	1.59513E-05	6.82997E-05	3.7461E-05
7778	7.42388E-05	7.86058E-05	1.8411E-05	6.67335E-05	3.67196E-05	7.57872E-05	7.97647E-05	1.26042E-05	6.67335E-05	3.80152E-05
7779	7.33604E-05	7.77541E-05	1.71915E-05	6.70932E-05	3.73109E-05	7.52898E-05	7.93159E-05	1.13375E-05	6.70932E-05	3.86846E-05
7780	7.61183E-05	8.07126E-05	1.73863E-05	7.04242E-05	3.85639E-05	7.83905E-05	8.26185E-05	1.1231E-05	7.04242E-05	4.00959E-05
7781	8.32208E-05	8.81982E-05	1.9591E-05	7.67894E-05	4.00051E-05	8.56172E-05	9.01953E-05	1.28966E-05	7.67894E-05	4.17172E-05
7782	9.23249E-05	9.77484E-05	2.29926E-05	8.40271E-05	4.00942E-05	9.45716E-05	9.95353E-05	1.57242E-05	8.40271E-05	4.17634E-05
7783	9.70638E-05	0.00010254	2.70538E-05	8.795E-05	0.000130243	9.91726E-05	0.0001042	1.9307E-05	8.795E-05	0.000125586
7784	9.30723E-05	9.81268E-05	2.84571E-05	8.7183E-05	0.000129373	9.58657E-05	0.000100601	2.06492E-05	8.7183E-05	0.000124551
7785	9.04053E-05	9.522E-05	2.88549E-05	8.41122E-05	0.000129485	9.28827E-05	9.73937E-05	2.12257E-05	8.41122E-05	0.00012467
7786	8.90213E-05	9.36822E-05	2.94383E-05	8.02779E-05	0.000129601	9.06359E-05	9.49361E-05	2.23272E-05	8.02779E-05	0.000124793
7787	8.82195E-05	9.27743E-05	2.9992E-05	7.78115E-05	0.000130088	8.92488E-05	9.34066E-05	2.32035E-05	7.78115E-05	0.000125332
7788	8.63889E-05	9.08789E-05	2.89891E-05	7.57344E-05	0.00011585	8.72761E-05	9.13545E-05	2.24924E-05	7.57344E-05	0.000112237
7789	8.58765E-05	9.03386E-05	2.88344E-05	7.55636E-05	0.000116154	8.6842E-05	9.09043E-05	2.23145E-05	7.55636E-05	0.000112573
7790	8.5544E-05	9.00528E-05	2.79043E-05	7.62723E-05	0.000115687	8.68514E-05	9.09776E-05	2.13091E-05	7.62723E-05	0.000112048
7791	8.81964E-05	9.29052E-05	2.80012E-05	7.88408E-05	0.000129421	8.96456E-05	9.39505E-05	2.12639E-05	7.88408E-05	0.000124573
7792	9.49197E-05	0.000100026	2.96475E-05	8.44198E-05	0.000127878	9.63737E-05	0.000101021	2.25557E-05	8.44198E-05	0.000122839
7793	0.000105091	0.000110804	3.20619E-05	9.32168E-05	0.000126801	0.000106664	0.000111845	2.43683E-05	9.32168E-05	0.000121629
7794	0.00011539	0.00012143	3.81738E-05	9.94242E-05	0.000125931	0.000116077	0.0001215	2.99409E-05	9.94242E-05	0.000120653
7795	0.000124151	0.000130149	4.74764E-05	0.000102229	9.57547E-05	0.000123123	0.000128434	3.87471E-05	0.000102229	9.25733E-05
7796	0.000124635	0.000130351	5.15671E-05	9.99941E-05	6.72092E-05	0.000122604	0.000127626	4.28269E-05	9.99941E-05	6.63717E-05
7797	0.000120682	0.000126147	5.08285E-05	9.56398E-05	5.17465E-05	0.0001183	0.000123083	4.23251E-05	9.56398E-05	5.19141E-05
7798	0.0001152	0.00012062	4.5917E-05	8.93414E-05	3.77733E-05	0.000112429	0.000117116	3.79684E-05	8.93414E-05	3.91713E-05
7799	0.000102812	0.000107832	3.86357E-05	8.16079E-05	3.69366E-05	0.000101022	0.000105406	3.13828E-05	8.16079E-05	3.82335E-05
7800	9.21466E-05	9.69825E-05	3.0325E-05	7.6673E-05	3.62904E-05	9.18291E-05	9.61253E-05	2.35853E-05	7.6673E-05	3.75096E-05
7801	7.75835E-05	8.19492E-05	2.17741E-05	6.75361E-05	3.64571E-05	7.84054E-05	8.23428E-05	1.58609E-05	6.75361E-05	3.77167E-05
7802	7.4384E-05	7.87613E-05	1.84246E-05	6.6793E-05	3.66792E-05	7.59151E-05	7.98993E-05	1.26262E-05	6.6793E-05	3.79688E-05
7803	7.34735E-05	7.78754E-05	1.71995E-05	6.71183E-05	3.7251E-05	7.53832E-05	7.94138E-05	1.13569E-05	6.71183E-05	3.86162E-05
7804	7.6214E-05	8.0816E-05	1.73839E-05	7.03703E-05	3.84766E-05	7.84472E-05	8.26772E-05	1.12555E-05	7.03703E-05	3.99967E-05
7805	8.32835E-05	8.82658E-05	1.95904E-05	7.67615E-05	3.98876E-05	8.56565E-05	9.0236E-05	1.29119E-05	7.67615E-05	4.15841E-05
7806	9.24599E-05	9.78925E-05	2.30102E-05	8.41218E-05	3.99103E-05	9.47021E-05	9.96731E-05	1.57405E-05	8.41218E-05	4.15559E-05
7807	9.5654E-05	0.000101022	2.70355E-05	8.79734E-05	0.000129911	9.81204E-05	0.000103084	1.92785E-05	8.79734E-05	0.000125212
7808	9.35031E-05	9.85859E-05	2.85257E-05	8.75884E-05	0.000128893	9.63132E-05	0.000101074	2.06899E-05	8.75884E-05	0.000124011
7809	9.11959E-05	9.60643E-05	2.89593E-05	8.46812E-05	0.000129006	9.3652E-05	9.82057E-05	2.13192E-05	8.46812E-05	0.000124131
7810	9.01056E-05	9.4838E-05	2.96072E-05	8.12688E-05	0.000129147	9.17535E-05	9.61175E-05	2.24328E-05	8.12688E-05	0.000124282
7811	8.96047E-05	9.42513E-05	3.02031E-05	7.90395E-05	0.000129648	9.06654E-05	9.49036E-05	2.33425E-05	7.90395E-05	0.000124839
7812	8.78392E-05	9.24258E-05	2.92048E-05	7.69758E-05	0.000115404	8.87461E-05	9.29075E-05	2.26427E-05	7.69758E-05	0.000111737
7813	8.71986E-05	9.17479E-05	2.90402E-05	7.67707E-05	0.000115706	8.82044E-05	9.23443E-05	2.24434E-05	7.67707E-05	0.000112072
7814	8.71504E-05	9.17658E-05	2.81491E-05	7.76954E-05	0.000115331	8.8494E-05	9.27133E-05	2.14704E-05	7.76954E-05	0.00011165
7815	8.91873E-05	9.39617E-05	2.81522E-05	7.97194E-05	0.000129127	9.0659E-05	9.50214E-05	2.13633E-05	7.97194E-05	0.000124245
7816	9.57818E-05	0.000100943	2.98003E-05	8.53588E-05	0.000127637	9.73072E-05	0.000102009	2.26234E-05	8.53588E-05	0.000122571
7817	0.000105653	0.000111401	3.21649E-05	9.38563E-05	0.000126603	0.000107281	0.000112498	2.44094E-05	9.38563E-05	0.000121408
7818	0.000116153	0.000122242	3.83115E-05	0.000100275	0.000125776	0.000116909	0.00012238	2.99987E-05	0.000100275	0.00012048
7819	0.000124863	0.000130907	4.75968E-05	0.000102957	9.56088E-05	0.000123879	0.000129235	3.88081E-05	0.000102957	9.24099E-05

7820	0.000125296	0.000131054	5.16864E-05	0.000100731	6.70745E-05	0.000123324	0.000128389	4.28769E-05	0.000100731	6.62204E-05
7821	0.000122963	0.000128592	5.09995E-05	9.6552E-05	5.1631E-05	0.000120291	0.000125193	4.24233E-05	9.6552E-05	5.17841E-05
7822	0.000115849	0.00012131	4.60319E-05	9.00473E-05	3.76779E-05	0.000113131	0.00011786	3.80194E-05	9.00473E-05	3.90639E-05
7823	0.00010326	0.000108308	3.87236E-05	8.21653E-05	3.69111E-05	0.000101528	0.000105942	3.14106E-05	8.21653E-05	3.82051E-05
7824	9.24678E-05	9.7324E-05	3.03865E-05	7.70606E-05	3.63595E-05	9.21881E-05	9.65055E-05	2.36065E-05	7.70606E-05	3.75877E-05
7825	7.75835E-05	8.19492E-05	2.17741E-05	6.75361E-05	3.64571E-05	7.84054E-05	8.23428E-05	1.58609E-05	6.75361E-05	3.77167E-05
7826	7.4384E-05	7.87613E-05	1.84246E-05	6.6793E-05	3.66792E-05	7.59151E-05	7.98993E-05	1.26262E-05	6.6793E-05	3.79688E-05
7827	7.34735E-05	7.78754E-05	1.71995E-05	6.71183E-05	3.7251E-05	7.53832E-05	7.94138E-05	1.13569E-05	6.71183E-05	3.86162E-05
7828	7.6214E-05	8.0816E-05	1.73839E-05	7.03703E-05	3.84766E-05	7.84472E-05	8.26772E-05	1.12555E-05	7.03703E-05	3.99967E-05
7829	8.32835E-05	8.82658E-05	1.95904E-05	7.67615E-05	3.98876E-05	8.56565E-05	9.0236E-05	1.29119E-05	7.67615E-05	4.15841E-05
7830	9.24599E-05	9.78925E-05	2.30102E-05	8.41218E-05	3.99103E-05	9.47021E-05	9.96731E-05	1.57405E-05	8.41218E-05	4.15559E-05
7831	9.5654E-05	0.000101022	2.70355E-05	8.79734E-05	0.000129911	9.81204E-05	0.000103084	1.92785E-05	8.79734E-05	0.000125212
7832	9.35031E-05	9.85859E-05	2.85257E-05	8.75884E-05	0.000128893	9.63132E-05	0.000101074	2.06899E-05	8.75884E-05	0.000124011
7833	9.11959E-05	9.60643E-05	2.89593E-05	8.46812E-05	0.000129006	9.3652E-05	9.82057E-05	2.13192E-05	8.46812E-05	0.000124131
7834	9.01056E-05	9.4838E-05	2.96072E-05	8.12688E-05	0.000129147	9.17535E-05	9.61175E-05	2.24328E-05	8.12688E-05	0.000124282
7835	8.96047E-05	9.42513E-05	3.02031E-05	7.90395E-05	0.000129648	9.06654E-05	9.49036E-05	2.33425E-05	7.90395E-05	0.000124839
7836	8.78392E-05	9.24258E-05	2.92048E-05	7.69758E-05	0.000115404	8.87461E-05	9.29075E-05	2.26427E-05	7.69758E-05	0.000111737
7837	8.71986E-05	9.17479E-05	2.90402E-05	7.67707E-05	0.000115706	8.82044E-05	9.23443E-05	2.24434E-05	7.67707E-05	0.000112072
7838	8.71504E-05	9.17658E-05	2.81491E-05	7.76954E-05	0.000115331	8.8494E-05	9.27133E-05	2.14704E-05	7.76954E-05	0.00011165
7839	8.91873E-05	9.39617E-05	2.81522E-05	7.97194E-05	0.000129127	9.0659E-05	9.50214E-05	2.13633E-05	7.97194E-05	0.000124245
7840	9.57818E-05	0.000100943	2.98003E-05	8.53588E-05	0.000127637	9.73072E-05	0.000102009	2.26234E-05	8.53588E-05	0.000122571
7841	0.000105653	0.000111401	3.21649E-05	9.38563E-05	0.000126603	0.000107281	0.000112498	2.44094E-05	9.38563E-05	0.000121408
7842	0.000116153	0.000122242	3.83115E-05	0.000100275	0.000125776	0.000116909	0.00012238	2.99987E-05	0.000100275	0.00012048
7843	0.000124863	0.000130907	4.75968E-05	0.000102957	9.56088E-05	0.000123879	0.000129235	3.88081E-05	0.000102957	9.24099E-05
7844	0.000125296	0.000131054	5.16864E-05	0.000100731	6.70745E-05	0.000123324	0.000128389	4.28769E-05	0.000100731	6.62204E-05
7845	0.000122963	0.000128592	5.09995E-05	9.6552E-05	5.1631E-05	0.000120291	0.000125193	4.24233E-05	9.6552E-05	5.17841E-05
7846	0.000115849	0.00012131	4.60319E-05	9.00473E-05	3.76779E-05	0.000113131	0.00011786	3.80194E-05	9.00473E-05	3.90639E-05
7847	0.00010326	0.000108308	3.87236E-05	8.21653E-05	3.69111E-05	0.000101528	0.000105942	3.14106E-05	8.21653E-05	3.82051E-05
7848	9.24678E-05	9.7324E-05	3.03865E-05	7.70606E-05	3.63595E-05	9.21881E-05	9.65055E-05	2.36065E-05	7.70606E-05	3.75877E-05
7849	7.75835E-05	8.19492E-05	2.17741E-05	6.75361E-05	3.64571E-05	7.84054E-05	8.23428E-05	1.58609E-05	6.75361E-05	3.77167E-05
7850	7.4384E-05	7.87613E-05	1.84246E-05	6.6793E-05	3.66792E-05	7.59151E-05	7.98993E-05	1.26262E-05	6.6793E-05	3.79688E-05
7851	7.34735E-05	7.78754E-05	1.71995E-05	6.71183E-05	3.7251E-05	7.53832E-05	7.94138E-05	1.13569E-05	6.71183E-05	3.86162E-05
7852	7.6214E-05	8.0816E-05	1.73839E-05	7.03703E-05	3.84766E-05	7.84472E-05	8.26772E-05	1.12555E-05	7.03703E-05	3.99967E-05
7853	8.32835E-05	8.82658E-05	1.95904E-05	7.67615E-05	3.98876E-05	8.56565E-05	9.0236E-05	1.29119E-05	7.67615E-05	4.15841E-05
7854	9.24599E-05	9.78925E-05	2.30102E-05	8.41218E-05	3.99103E-05	9.47021E-05	9.96731E-05	1.57405E-05	8.41218E-05	4.15559E-05
7855	9.5654E-05	0.000101022	2.70355E-05	8.79734E-05	0.000129911	9.81204E-05	0.000103084	1.92785E-05	8.79734E-05	0.000125212
7856	9.35031E-05	9.85859E-05	2.85257E-05	8.75884E-05	0.000128893	9.63132E-05	0.000101074	2.06899E-05	8.75884E-05	0.000124011
7857	9.11959E-05	9.60643E-05	2.89593E-05	8.46812E-05	0.000129006	9.3652E-05	9.82057E-05	2.13192E-05	8.46812E-05	0.000124131
7858	9.01056E-05	9.4838E-05	2.96072E-05	8.12688E-05	0.000129147	9.17535E-05	9.61175E-05	2.24328E-05	8.12688E-05	0.000124282
7859	8.96047E-05	9.42513E-05	3.02031E-05	7.90395E-05	0.000129648	9.06654E-05	9.49036E-05	2.33425E-05	7.90395E-05	0.000124839
7860	8.78392E-05	9.24258E-05	2.92048E-05	7.69758E-05	0.000115404	8.87461E-05	9.29075E-05	2.26427E-05	7.69758E-05	0.000111737
7861	8.71986E-05	9.17479E-05	2.90402E-05	7.67707E-05	0.000115706	8.82044E-05	9.23443E-05	2.24434E-05	7.67707E-05	0.000112072
7862	8.71504E-05	9.17658E-05	2.81491E-05	7.76954E-05	0.000115331	8.8494E-05	9.27133E-05	2.14704E-05	7.76954E-05	0.00011165
7863	8.91873E-05	9.39617E-05	2.81522E-05	7.97194E-05	0.000129127	9.0659E-05	9.50214E-05	2.13633E-05	7.97194E-05	0.000124245
7864	9.57818E-05	0.000100943	2.98003E-05	8.53588E-05	0.000127637	9.73072E-05	0.000102009	2.26234E-05	8.53588E-05	0.000122571
7865	0.000105653	0.000111401	3.21649E-05	9.38563E-05	0.000126603	0.000107281	0.000112498	2.44094E-05	9.38563E-05	0.000121408
7866	0.000116153	0.000122242	3.83115E-05	0.000100275	0.000125776	0.000116909	0.00012238	2.99987E-05	0.000100275	0.00012048
7867	0.000124863	0.000130907	4.75968E-05	0.000102957	9.56088E-05	0.000123879	0.000129235	3.88081E-05	0.000102957	9.24099E-05
7868	0.000125296	0.000131054	5.16864E-05	0.000100731	6.70745E-05	0.000123324	0.000128389	4.28769E-05	0.000100731	6.62204E-05
7869	0.000122963	0.000128592	5.09995E-05	9.6552E-05	5.1631E-05	0.000120291	0.000125193	4.24233E-05	9.6552E-05	5.17841E-05
7870	0.000115849	0.00012131	4.60319E-05	9.00473E-05	3.76779E-05	0.000113131	0.00011786	3.80194E-05	9.00473E-05	3.90639E-05
7871	0.00010326	0.000108308	3.87236E-05	8.21653E-05	3.69111E-05	0.000101528	0.000105942	3.14106E-05	8.21653E-05	3.82051E-05
7872	9.24678E-05	9.7324E-05	3.03865E-05	7.70606E-05	3.63595E-05	9.21881E-05	9.65055E-05	2.36065E-05	7.70606E-05	3.75877E-05
7873	7.84652E-05	8.28895E-05	2.19063E-05	6.82997E-05	3.62314E-05	7.93017E-05	8.32898E-05	1.59513E-05	6.82997E-05	3.7461E-05
7874	7.42388E-05	7.86058E-05	1.8411E-05	6.67335E-05	3.67196E-05	7.57872E-05	7.97647E-05	1.26042E-05	6.67335E-05	3.80152E-05
7875	7.33604E-05	7.77541E-05	1.71915E-05	6.70932E-05	3.73109E-05	7.52898E-05	7.93159E-05	1.13375E-05	6.70932E-05	3.86846E-05
7876	7.61183E-05	8.07126E-05	1.73863E-05	7.04242E-05	3.85639E-05	7.83905E-05	8.26185E-05	1.1231E-05	7.04242E-05	4.00959E-05
7877	8.32208E-05	8.81982E-05	1.9591E-05	7.67894E-05	4.00051E-05	8.56172E-05	9.01953E-05	1.28966E-05	7.67894E-05	4.17172E-05
7878	9.23249E-05	9.77484E-05	2.29926E-05	8.40271E-05	4.00942E-05	9.45716E-05	9.95353E-05	1.57242E-05	8.40271E-05	4.17634E-05
7879	9.70638E-05	0.00010254	2.70538E-05	8.795E-05	0.000130243	9.91726E-05	0.0001042	1.9307E-05	8.795E-05	0.000125586
7880	9.30723E-05	9.81268E-05	2.84571E-05	8.7183E-05	0.000129373	9.58657E-05	0.000100601	2.06492E-05	8.7183E-05	0.000124551
7881	9.04053E-05	9.522E-05	2.88549E-05	8.41122E-05	0.000129485	9.28827E-05	9.73937E-05	2.12257E-05	8.41122E-05	0.00012467
7882	8.90213E-05	9.36822E-05	2.94383E-05	8.02779E-05	0.000129601	9.06359E-05	9.49361E-05	2.23272E-05	8.02779E-05	0.000124793
7883	8.82195E-05	9.27743E-05	2.9992E-05	7.78115E-05	0.000130088	8.92488E-05	9.34066E-05	2.32035E-05	7.78115E-05	0.000125332
7884	8.63889E-05	9.08789E-05	2.89891E-05	7.57344E-05	0.00011585	8.72761E-05	9.13545E-05	2.24924E-05	7.57344E-05	0.000112237
7885	8.58765E-05	9.03386E-05	2.88344E-05	7.55636E-05	0.000116154	8.6842E-05	9.09043E-05	2.23145E-05	7.55636E-05	0.000112573
7886	8.5544E-05	9.00528E-05	2.79043E-05	7.62723E-05	0.000115687	8.68514E-05	9.09776E-05	2.13091E-05	7.62723E-05	0.000112048
7887	8.81964E-05	9.29052E-05	2.80012E-05	7.88408E-05	0.000129421	8.96456E-05	9.39505E-05	2.12639E-05	7.88408E-05	0.000124573
7888	9.49197E-05	0.000100026	2.96475E-05	8.44198E-05	0.000127878	9.63737E-05	0.000101021	2.25557E-05	8.44198E-05	0.000122839
7889	0.000105091	0.000110804	3.20619E-05	9.32168E-05	0.000126801	0.000106664	0.000111845	2.43683E-05	9.32168E-05	0.000121629
7890	0.00011539	0.00012143	3.81738E-05	9.94242E-05	0.000125931	0.000116077	0.0001215	2.99409E-05	9.94242E-05	0.000120653
7891	0.000124151	0.000130149	4.74764E-05	0.000102229	9.57547E-05	0.000123123	0.000128434	3.87471E-05	0.000102229	9.25733E-05
7892	0.000124635	0.000130351	5.15671E-05	9.99941E-05	6.72092E-05	0.000122604	0.000127626	4.28269E-05	9.99941E-05	6.63717E-05
7893	0.000120682	0.000126147	5.08285E-05	9.56398E-05	5.17465E-05	0.0001183	0.000123083	4.23251E-05	9.56398E-05	5.19141E-05
7894	0.0001152	0.00012062	4.5917E-05	8.93414E-05	3.77733E-05	0.000112429	0.000117116	3.79684E-05	8.93414E-05	3.91713E-05
7895	0.000102812	0.000107832	3.86357E-05	8.16079E-05	3.69366E-05	0.000101022	0.000105406	3.13828E-05	8.16079E-05	3.82335E-05

7896	9.21466E-05	9.69825E-05	3.0325E-05	7.6673E-05	3.62904E-05	9.18291E-05	9.61253E-05	2.35853E-05	7.6673E-05	3.75096E-05
7897	7.75835E-05	8.19492E-05	2.17741E-05	6.75361E-05	3.64571E-05	7.84054E-05	8.23428E-05	1.58609E-05	6.75361E-05	3.77167E-05
7898	7.4384E-05	7.87613E-05	1.84246E-05	6.6793E-05	3.66792E-05	7.59151E-05	7.98993E-05	1.26262E-05	6.6793E-05	3.79688E-05
7899	7.34735E-05	7.78754E-05	1.71995E-05	6.71183E-05	3.7251E-05	7.53832E-05	7.94138E-05	1.13569E-05	6.71183E-05	3.86162E-05
7900	7.6214E-05	8.0816E-05	1.73839E-05	7.03703E-05	3.84766E-05	7.84472E-05	8.26772E-05	1.12555E-05	7.03703E-05	3.99967E-05
7901	8.32835E-05	8.82658E-05	1.95904E-05	7.67615E-05	3.98876E-05	8.56565E-05	9.0236E-05	1.29119E-05	7.67615E-05	4.15841E-05
7902	9.24599E-05	9.78925E-05	2.30102E-05	8.41218E-05	3.99103E-05	9.47021E-05	9.96731E-05	1.57405E-05	8.41218E-05	4.15559E-05
7903	9.5654E-05	0.000101022	2.70355E-05	8.79734E-05	0.000129911	9.81204E-05	0.000103084	1.92785E-05	8.79734E-05	0.000125212
7904	9.35031E-05	9.85859E-05	2.85257E-05	8.75884E-05	0.000128893	9.63132E-05	0.000101074	2.06899E-05	8.75884E-05	0.000124011
7905	9.11959E-05	9.60643E-05	2.89593E-05	8.46812E-05	0.000129006	9.3652E-05	9.82057E-05	2.13192E-05	8.46812E-05	0.000124131
7906	9.01056E-05	9.4838E-05	2.96072E-05	8.12688E-05	0.000129147	9.17535E-05	9.61175E-05	2.24328E-05	8.12688E-05	0.000124282
7907	8.96047E-05	9.42513E-05	3.02031E-05	7.90395E-05	0.000129648	9.06654E-05	9.49036E-05	2.33425E-05	7.90395E-05	0.000124839
7908	8.78392E-05	9.24258E-05	2.92048E-05	7.69758E-05	0.000115404	8.87461E-05	9.29075E-05	2.26427E-05	7.69758E-05	0.000111737
7909	8.71986E-05	9.17479E-05	2.90402E-05	7.67707E-05	0.000115706	8.82044E-05	9.23443E-05	2.24434E-05	7.67707E-05	0.000112072
7910	8.71504E-05	9.17658E-05	2.81491E-05	7.76954E-05	0.000115331	8.8494E-05	9.27133E-05	2.14704E-05	7.76954E-05	0.00011165
7911	8.91873E-05	9.39617E-05	2.81522E-05	7.97194E-05	0.000129127	9.0659E-05	9.50214E-05	2.13633E-05	7.97194E-05	0.000124245
7912	9.57818E-05	0.000100943	2.98003E-05	8.53588E-05	0.000127637	9.73072E-05	0.000102009	2.26234E-05	8.53588E-05	0.000122571
7913	0.000105653	0.000111401	3.21649E-05	9.38563E-05	0.000126603	0.000107281	0.000112498	2.44094E-05	9.38563E-05	0.000121408
7914	0.000116153	0.000122242	3.83115E-05	0.000100275	0.000125776	0.000116909	0.00012238	2.99987E-05	0.000100275	0.00012048
7915	0.000124863	0.000130907	4.75968E-05	0.000102957	9.56088E-05	0.000123879	0.000129235	3.88081E-05	0.000102957	9.24099E-05
7916	0.000125296	0.000131054	5.16864E-05	0.000100731	6.70745E-05	0.000123324	0.000128389	4.28769E-05	0.000100731	6.62204E-05
7917	0.000122963	0.000128592	5.09995E-05	9.6552E-05	5.1631E-05	0.000120291	0.000125193	4.24233E-05	9.6552E-05	5.17841E-05
7918	0.000115849	0.00012131	4.60319E-05	9.00473E-05	3.76779E-05	0.000113131	0.00011786	3.80194E-05	9.00473E-05	3.90639E-05
7919	0.00010326	0.000108308	3.87236E-05	8.21653E-05	3.69111E-05	0.000101528	0.000105942	3.14106E-05	8.21653E-05	3.82051E-05
7920	9.24678E-05	9.7324E-05	3.03865E-05	7.70606E-05	3.63595E-05	9.21881E-05	9.65055E-05	2.36065E-05	7.70606E-05	3.75877E-05
7921	7.84652E-05	8.28895E-05	2.19063E-05	6.82997E-05	3.62314E-05	7.93017E-05	8.32898E-05	1.59513E-05	6.82997E-05	3.7461E-05
7922	7.42388E-05	7.86058E-05	1.8411E-05	6.67335E-05	3.67196E-05	7.57872E-05	7.97647E-05	1.26042E-05	6.67335E-05	3.80152E-05
7923	7.33604E-05	7.77541E-05	1.71915E-05	6.70932E-05	3.73109E-05	7.52898E-05	7.93159E-05	1.13375E-05	6.70932E-05	3.86846E-05
7924	7.61183E-05	8.07126E-05	1.73863E-05	7.04242E-05	3.85639E-05	7.83905E-05	8.26185E-05	1.1231E-05	7.04242E-05	4.00959E-05
7925	8.32208E-05	8.81982E-05	1.9591E-05	7.67894E-05	4.00051E-05	8.56172E-05	9.01953E-05	1.28966E-05	7.67894E-05	4.17172E-05
7926	9.23249E-05	9.77484E-05	2.29926E-05	8.40271E-05	4.00942E-05	9.45716E-05	9.95353E-05	1.57242E-05	8.40271E-05	4.17634E-05
7927	9.70638E-05	0.00010254	2.70538E-05	8.795E-05	0.000130243	9.91726E-05	0.0001042	1.9307E-05	8.795E-05	0.000125586
7928	9.30723E-05	9.81268E-05	2.84571E-05	8.7183E-05	0.000129373	9.58657E-05	0.000100601	2.06492E-05	8.7183E-05	0.000124551
7929	9.04053E-05	9.522E-05	2.88549E-05	8.41122E-05	0.000129485	9.28827E-05	9.73937E-05	2.12257E-05	8.41122E-05	0.00012467
7930	8.90213E-05	9.36822E-05	2.94383E-05	8.02779E-05	0.000129601	9.06359E-05	9.49361E-05	2.23272E-05	8.02779E-05	0.000124793
7931	8.82195E-05	9.27743E-05	2.9992E-05	7.78115E-05	0.000130088	8.92488E-05	9.34066E-05	2.32035E-05	7.78115E-05	0.000125332
7932	8.63889E-05	9.08789E-05	2.89891E-05	7.57344E-05	0.00011585	8.72761E-05	9.13545E-05	2.24924E-05	7.57344E-05	0.000112237
7933	8.58765E-05	9.03386E-05	2.88344E-05	7.55636E-05	0.000116154	8.6842E-05	9.09043E-05	2.23145E-05	7.55636E-05	0.000112573
7934	8.5544E-05	9.00528E-05	2.79043E-05	7.62723E-05	0.000115687	8.68514E-05	9.09776E-05	2.13091E-05	7.62723E-05	0.000112048
7935	8.81964E-05	9.29052E-05	2.80012E-05	7.88408E-05	0.000129421	8.96456E-05	9.39505E-05	2.12639E-05	7.88408E-05	0.000124573
7936	9.49197E-05	0.000100026	2.96475E-05	8.44198E-05	0.000127878	9.63737E-05	0.000101021	2.25557E-05	8.44198E-05	0.000122839
7937	0.000105091	0.000110804	3.20619E-05	9.32168E-05	0.000126801	0.000106664	0.000111845	2.43683E-05	9.32168E-05	0.000121629
7938	0.00011539	0.00012143	3.81738E-05	9.94242E-05	0.000125931	0.000116077	0.0001215	2.99409E-05	9.94242E-05	0.000120653
7939	0.000124151	0.000130149	4.74764E-05	0.000102229	9.57547E-05	0.000123123	0.000128434	3.87471E-05	0.000102229	9.25733E-05
7940	0.000124635	0.000130351	5.15671E-05	9.99941E-05	6.72092E-05	0.000122604	0.000127626	4.28269E-05	9.99941E-05	6.63717E-05
7941	0.000120682	0.000126147	5.08285E-05	9.56398E-05	5.17465E-05	0.0001183	0.000123083	4.23251E-05	9.56398E-05	5.19141E-05
7942	0.0001152	0.00012062	4.5917E-05	8.93414E-05	3.77733E-05	0.000112429	0.000117116	3.79684E-05	8.93414E-05	3.91713E-05
7943	0.000102812	0.000107832	3.86357E-05	8.16079E-05	3.69366E-05	0.000101022	0.000105406	3.13828E-05	8.16079E-05	3.82335E-05
7944	9.21466E-05	9.69825E-05	3.0325E-05	7.6673E-05	3.62904E-05	9.18291E-05	9.61253E-05	2.35853E-05	7.6673E-05	3.75096E-05
7945	7.84652E-05	8.28895E-05	2.19063E-05	6.82997E-05	3.62314E-05	7.93017E-05	8.32898E-05	1.59513E-05	6.82997E-05	3.7461E-05
7946	7.42388E-05	7.86058E-05	1.8411E-05	6.67335E-05	3.67196E-05	7.57872E-05	7.97647E-05	1.26042E-05	6.67335E-05	3.80152E-05
7947	7.33604E-05	7.77541E-05	1.71915E-05	6.70932E-05	3.73109E-05	7.52898E-05	7.93159E-05	1.13375E-05	6.70932E-05	3.86846E-05
7948	7.61183E-05	8.07126E-05	1.73863E-05	7.04242E-05	3.85639E-05	7.83905E-05	8.26185E-05	1.1231E-05	7.04242E-05	4.00959E-05
7949	8.32208E-05	8.81982E-05	1.9591E-05	7.67894E-05	4.00051E-05	8.56172E-05	9.01953E-05	1.28966E-05	7.67894E-05	4.17172E-05
7950	9.23249E-05	9.77484E-05	2.29926E-05	8.40271E-05	4.00942E-05	9.45716E-05	9.95353E-05	1.57242E-05	8.40271E-05	4.17634E-05
7951	9.70638E-05	0.00010254	2.70538E-05	8.795E-05	0.000130243	9.91726E-05	0.0001042	1.9307E-05	8.795E-05	0.000125586
7952	9.30723E-05	9.81268E-05	2.84571E-05	8.7183E-05	0.000129373	9.58657E-05	0.000100601	2.06492E-05	8.7183E-05	0.000124551
7953	9.04053E-05	9.522E-05	2.88549E-05	8.41122E-05	0.000129485	9.28827E-05	9.73937E-05	2.12257E-05	8.41122E-05	0.00012467
7954	8.90213E-05	9.36822E-05	2.94383E-05	8.02779E-05	0.000129601	9.06359E-05	9.49361E-05	2.23272E-05	8.02779E-05	0.000124793
7955	8.82195E-05	9.27743E-05	2.9992E-05	7.78115E-05	0.000130088	8.92488E-05	9.34066E-05	2.32035E-05	7.78115E-05	0.000125332
7956	8.63889E-05	9.08789E-05	2.89891E-05	7.57344E-05	0.00011585	8.72761E-05	9.13545E-05	2.24924E-05	7.57344E-05	0.000112237
7957	8.58765E-05	9.03386E-05	2.88344E-05	7.55636E-05	0.000116154	8.6842E-05	9.09043E-05	2.23145E-05	7.55636E-05	0.000112573
7958	8.5544E-05	9.00528E-05	2.79043E-05	7.62723E-05	0.000115687	8.68514E-05	9.09776E-05	2.13091E-05	7.62723E-05	0.000112048
7959	8.81964E-05	9.29052E-05	2.80012E-05	7.88408E-05	0.000129421	8.96456E-05	9.39505E-05	2.12639E-05	7.88408E-05	0.000124573
7960	9.49197E-05	0.000100026	2.96475E-05	8.44198E-05	0.000127878	9.63737E-05	0.000101021	2.25557E-05	8.44198E-05	0.000122839
7961	0.000105091	0.000110804	3.20619E-05	9.32168E-05	0.000126801	0.000106664	0.000111845	2.43683E-05	9.32168E-05	0.000121629
7962	0.00011539	0.00012143	3.81738E-05	9.94242E-05	0.000125931	0.000116077	0.0001215	2.99409E-05	9.94242E-05	0.000120653
7963	0.000124151	0.000130149	4.74764E-05	0.000102229	9.57547E-05	0.000123123	0.000128434	3.87471E-05	0.000102229	9.25733E-05
7964	0.000124635	0.000130351	5.15671E-05	9.99941E-05	6.72092E-05	0.000122604	0.000127626	4.28269E-05	9.99941E-05	6.63717E-05
7965	0.000120682	0.000126147	5.08285E-05	9.56398E-05	5.17465E-05	0.0001183	0.000123083	4.23251E-05	9.56398E-05	5.19141E-05
7966	0.0001152	0.00012062	4.5917E-05	8.93414E-05	3.77733E-05	0.000112429	0.000117116	3.79684E-05	8.93414E-05	3.91713E-05
7967	0.000102812	0.000107832	3.86357E-05	8.16079E-05	3.69366E-05	0.000101022	0.000105406	3.13828E-05	8.16079E-05	3.82335E-05
7968	9.21466E-05	9.69825E-05	3.0325E-05	7.6673E-05	3.62904E-05	9.18291E-05	9.61253E-05	2.35853E-05	7.6673E-05	3.75096E-05
7969	7.75835E-05	8.19492E-05	2.17741E-05	6.75361E-05	3.64571E-05	7.84054E-05	8.23428E-05	1.58609E-05	6.75361E-05	3.77167E-05
7970	7.4384E-05	7.87613E-05	1.84246E-05	6.6793E-05	3.66792E-05	7.59151E-05	7.98993E-05	1.26262E-05	6.6793E-05	3.79688E-05
7971	7.34735E-05	7.78754E-05	1.71995E-05	6.71183E-05	3.7251E-05	7.53832E-05	7.94138E-05	1.13569E-05	6.71183E-05	3.86162E-05

7972	7.6214E-05	8.0816E-05	1.73839E-05	7.03703E-05	3.84766E-05	7.84472E-05	8.26772E-05	1.12555E-05	7.03703E-05	3.99967E-05
7973	8.32835E-05	8.82658E-05	1.95904E-05	7.67615E-05	3.98876E-05	8.56565E-05	9.0236E-05	1.29119E-05	7.67615E-05	4.15841E-05
7974	9.24599E-05	9.78925E-05	2.30102E-05	8.41218E-05	3.99103E-05	9.47021E-05	9.96731E-05	1.57405E-05	8.41218E-05	4.15559E-05
7975	9.5654E-05	0.000101022	2.70355E-05	8.79734E-05	0.000129911	9.81204E-05	0.000103084	1.92785E-05	8.79734E-05	0.000125212
7976	9.35031E-05	9.85859E-05	2.85257E-05	8.75884E-05	0.000128893	9.63132E-05	0.000101074	2.06899E-05	8.75884E-05	0.000124011
7977	9.11959E-05	9.60643E-05	2.89593E-05	8.46812E-05	0.000129006	9.3652E-05	9.82057E-05	2.13192E-05	8.46812E-05	0.000124131
7978	9.01056E-05	9.4838E-05	2.96072E-05	8.12688E-05	0.000129147	9.17535E-05	9.61175E-05	2.24328E-05	8.12688E-05	0.000124282
7979	8.96047E-05	9.42513E-05	3.02031E-05	7.90395E-05	0.000129648	9.06654E-05	9.49036E-05	2.33425E-05	7.90395E-05	0.000124839
7980	8.78392E-05	9.24258E-05	2.92048E-05	7.69758E-05	0.000115404	8.87461E-05	9.29075E-05	2.26427E-05	7.69758E-05	0.000111737
7981	8.71986E-05	9.17479E-05	2.90402E-05	7.67707E-05	0.000115706	8.82044E-05	9.23443E-05	2.24434E-05	7.67707E-05	0.000112072
7982	8.71504E-05	9.17658E-05	2.81491E-05	7.76954E-05	0.000115331	8.8494E-05	9.27133E-05	2.14704E-05	7.76954E-05	0.00011165
7983	8.91873E-05	9.39617E-05	2.81522E-05	7.97194E-05	0.000129127	9.0659E-05	9.50214E-05	2.13633E-05	7.97194E-05	0.000124245
7984	9.57818E-05	0.000100943	2.98003E-05	8.53588E-05	0.000127637	9.73072E-05	0.000102009	2.26234E-05	8.53588E-05	0.000122571
7985	0.000105653	0.000111401	3.21649E-05	9.38563E-05	0.000126603	0.000107281	0.000112498	2.44094E-05	9.38563E-05	0.000121408
7986	0.000116153	0.000122242	3.83115E-05	0.000100275	0.000125776	0.000116909	0.00012238	2.99987E-05	0.000100275	0.00012048
7987	0.000124863	0.000130907	4.75968E-05	0.000102957	9.56088E-05	0.000123879	0.000129235	3.88081E-05	0.000102957	9.24099E-05
7988	0.000125296	0.000131054	5.16864E-05	0.000100731	6.70745E-05	0.000123324	0.000128389	4.28769E-05	0.000100731	6.62204E-05
7989	0.000122963	0.000128592	5.09995E-05	9.6552E-05	5.1631E-05	0.000120291	0.000125193	4.24233E-05	9.6552E-05	5.17841E-05
7990	0.000115849	0.00012131	4.60319E-05	9.00473E-05	3.76779E-05	0.000113131	0.00011786	3.80194E-05	9.00473E-05	3.90639E-05
7991	0.00010326	0.000108308	3.87236E-05	8.21653E-05	3.69111E-05	0.000101528	0.000105942	3.14106E-05	8.21653E-05	3.82051E-05
7992	9.24678E-05	9.7324E-05	3.03865E-05	7.70606E-05	3.63595E-05	9.21881E-05	9.65055E-05	2.36065E-05	7.70606E-05	3.75877E-05
7993	7.75835E-05	8.19492E-05	2.17741E-05	6.75361E-05	3.64571E-05	7.84054E-05	8.23428E-05	1.58609E-05	6.75361E-05	3.77167E-05
7994	7.4384E-05	7.87613E-05	1.84246E-05	6.6793E-05	3.66792E-05	7.59151E-05	7.98993E-05	1.26262E-05	6.6793E-05	3.79688E-05
7995	7.34735E-05	7.78754E-05	1.71995E-05	6.71183E-05	3.7251E-05	7.53832E-05	7.94138E-05	1.13569E-05	6.71183E-05	3.86162E-05
7996	7.6214E-05	8.0816E-05	1.73839E-05	7.03703E-05	3.84766E-05	7.84472E-05	8.26772E-05	1.12555E-05	7.03703E-05	3.99967E-05
7997	8.32835E-05	8.82658E-05	1.95904E-05	7.67615E-05	3.98876E-05	8.56565E-05	9.0236E-05	1.29119E-05	7.67615E-05	4.15841E-05
7998	9.24599E-05	9.78925E-05	2.30102E-05	8.41218E-05	3.99103E-05	9.47021E-05	9.96731E-05	1.57405E-05	8.41218E-05	4.15559E-05
7999	9.5654E-05	0.000101022	2.70355E-05	8.79734E-05	0.000129911	9.81204E-05	0.000103084	1.92785E-05	8.79734E-05	0.000125212
8000	9.35031E-05	9.85859E-05	2.85257E-05	8.75884E-05	0.000128893	9.63132E-05	0.000101074	2.06899E-05	8.75884E-05	0.000124011
8001	9.11959E-05	9.60643E-05	2.89593E-05	8.46812E-05	0.000129006	9.3652E-05	9.82057E-05	2.13192E-05	8.46812E-05	0.000124131
8002	9.01056E-05	9.4838E-05	2.96072E-05	8.12688E-05	0.000129147	9.17535E-05	9.61175E-05	2.24328E-05	8.12688E-05	0.000124282
8003	8.96047E-05	9.42513E-05	3.02031E-05	7.90395E-05	0.000129648	9.06654E-05	9.49036E-05	2.33425E-05	7.90395E-05	0.000124839
8004	8.78392E-05	9.24258E-05	2.92048E-05	7.69758E-05	0.000115404	8.87461E-05	9.29075E-05	2.26427E-05	7.69758E-05	0.000111737
8005	8.71986E-05	9.17479E-05	2.90402E-05	7.67707E-05	0.000115706	8.82044E-05	9.23443E-05	2.24434E-05	7.67707E-05	0.000112072
8006	8.71504E-05	9.17658E-05	2.81491E-05	7.76954E-05	0.000115331	8.8494E-05	9.27133E-05	2.14704E-05	7.76954E-05	0.00011165
8007	8.91873E-05	9.39617E-05	2.81522E-05	7.97194E-05	0.000129127	9.0659E-05	9.50214E-05	2.13633E-05	7.97194E-05	0.000124245
8008	9.57818E-05	0.000100943	2.98003E-05	8.53588E-05	0.000127637	9.73072E-05	0.000102009	2.26234E-05	8.53588E-05	0.000122571
8009	0.000105653	0.000111401	3.21649E-05	9.38563E-05	0.000126603	0.000107281	0.000112498	2.44094E-05	9.38563E-05	0.000121408
8010	0.000116153	0.000122242	3.83115E-05	0.000100275	0.000125776	0.000116909	0.00012238	2.99987E-05	0.000100275	0.00012048
8011	0.000124863	0.000130907	4.75968E-05	0.000102957	9.56088E-05	0.000123879	0.000129235	3.88081E-05	0.000102957	9.24099E-05
8012	0.000125296	0.000131054	5.16864E-05	0.000100731	6.70745E-05	0.000123324	0.000128389	4.28769E-05	0.000100731	6.62204E-05
8013	0.000122963	0.000128592	5.09995E-05	9.6552E-05	5.1631E-05	0.000120291	0.000125193	4.24233E-05	9.6552E-05	5.17841E-05
8014	0.000115849	0.00012131	4.60319E-05	9.00473E-05	3.76779E-05	0.000113131	0.00011786	3.80194E-05	9.00473E-05	3.90639E-05
8015	0.00010326	0.000108308	3.87236E-05	8.21653E-05	3.69111E-05	0.000101528	0.000105942	3.14106E-05	8.21653E-05	3.82051E-05
8016	9.24678E-05	9.7324E-05	3.03865E-05	7.70606E-05	3.63595E-05	9.21881E-05	9.65055E-05	2.36065E-05	7.70606E-05	3.75877E-05
8017	7.75835E-05	8.19492E-05	2.17741E-05	6.75361E-05	3.64571E-05	7.84054E-05	8.23428E-05	1.58609E-05	6.75361E-05	3.77167E-05
8018	7.4384E-05	7.87613E-05	1.84246E-05	6.6793E-05	3.66792E-05	7.59151E-05	7.98993E-05	1.26262E-05	6.6793E-05	3.79688E-05
8019	7.34735E-05	7.78754E-05	1.71995E-05	6.71183E-05	3.7251E-05	7.53832E-05	7.94138E-05	1.13569E-05	6.71183E-05	3.86162E-05
8020	7.6214E-05	8.0816E-05	1.73839E-05	7.03703E-05	3.84766E-05	7.84472E-05	8.26772E-05	1.12555E-05	7.03703E-05	3.99967E-05
8021	8.32835E-05	8.82658E-05	1.95904E-05	7.67615E-05	3.98876E-05	8.56565E-05	9.0236E-05	1.29119E-05	7.67615E-05	4.15841E-05
8022	9.24599E-05	9.78925E-05	2.30102E-05	8.41218E-05	3.99103E-05	9.47021E-05	9.96731E-05	1.57405E-05	8.41218E-05	4.15559E-05
8023	9.5654E-05	0.000101022	2.70355E-05	8.79734E-05	0.000129911	9.81204E-05	0.000103084	1.92785E-05	8.79734E-05	0.000125212
8024	9.35031E-05	9.85859E-05	2.85257E-05	8.75884E-05	0.000128893	9.63132E-05	0.000101074	2.06899E-05	8.75884E-05	0.000124011
8025	9.11959E-05	9.60643E-05	2.89593E-05	8.46812E-05	0.000129006	9.3652E-05	9.82057E-05	2.13192E-05	8.46812E-05	0.000124131
8026	9.01056E-05	9.4838E-05	2.96072E-05	8.12688E-05	0.000129147	9.17535E-05	9.61175E-05	2.24328E-05	8.12688E-05	0.000124282
8027	8.96047E-05	9.42513E-05	3.02031E-05	7.90395E-05	0.000129648	9.06654E-05	9.49036E-05	2.33425E-05	7.90395E-05	0.000124839
8028	8.78392E-05	9.24258E-05	2.92048E-05	7.69758E-05	0.000115404	8.87461E-05	9.29075E-05	2.26427E-05	7.69758E-05	0.000111737
8029	8.71986E-05	9.17479E-05	2.90402E-05	7.67707E-05	0.000115706	8.82044E-05	9.23443E-05	2.24434E-05	7.67707E-05	0.000112072
8030	8.71504E-05	9.17658E-05	2.81491E-05	7.76954E-05	0.000115331	8.8494E-05	9.27133E-05	2.14704E-05	7.76954E-05	0.00011165
8031	8.91873E-05	9.39617E-05	2.81522E-05	7.97194E-05	0.000129127	9.0659E-05	9.50214E-05	2.13633E-05	7.97194E-05	0.000124245
8032	9.57818E-05	0.000100943	2.98003E-05	8.53588E-05	0.000127637	9.73072E-05	0.000102009	2.26234E-05	8.53588E-05	0.000122571
8033	0.000105653	0.000111401	3.21649E-05	9.38563E-05	0.000126603	0.000107281	0.000112498	2.44094E-05	9.38563E-05	0.000121408
8034	0.000116153	0.000122242	3.83115E-05	0.000100275	0.000125776	0.000116909	0.00012238	2.99987E-05	0.000100275	0.00012048
8035	0.000124863	0.000130907	4.75968E-05	0.000102957	9.56088E-05	0.000123879	0.000129235	3.88081E-05	0.000102957	9.24099E-05
8036	0.000125296	0.000131054	5.16864E-05	0.000100731	6.70745E-05	0.000123324	0.000128389	4.28769E-05	0.000100731	6.62204E-05
8037	0.000122963	0.000128592	5.09995E-05	9.6552E-05	5.1631E-05	0.000120291	0.000125193	4.24233E-05	9.6552E-05	5.17841E-05
8038	0.000115849	0.00012131	4.60319E-05	9.00473E-05	3.76779E-05	0.000113131	0.00011786	3.80194E-05	9.00473E-05	3.90639E-05
8039	0.00010326	0.000108308	3.87236E-05	8.21653E-05	3.69111E-05	0.000101528	0.000105942	3.14106E-05	8.21653E-05	3.82051E-05
8040	9.24678E-05	9.7324E-05	3.03865E-05	7.70606E-05	3.63595E-05	9.21881E-05	9.65055E-05	2.36065E-05	7.70606E-05	3.75877E-05
8041	9.16429E-05	9.6891E-05	2.45527E-05	8.51895E-05	3.58421E-05	9.43244E-05	9.92103E-05	1.67143E-05	8.51895E-05	3.70262E-05
8042	8.75649E-05	9.27689E-05	2.10385E-05	8.34154E-05	3.60944E-05	9.08609E-05	9.57362E-05	1.34186E-05	8.34154E-05	3.7314E-05
8043	8.48598E-05	8.99706E-05	1.9524E-05	8.20204E-05	3.67148E-05	8.84552E-05	9.32695E-05	1.19831E-05	8.20204E-05	3.80179E-05
8044	8.62807E-05	9.15025E-05	1.95265E-05	8.42598E-05	3.78239E-05	9.02165E-05	9.51574E-05	1.17323E-05	8.42598E-05	3.92693E-05
8045	9.25511E-05	9.80975E-05	2.16472E-05	9.02378E-05	3.92869E-05	9.66963E-05	0.000101948	1.32768E-05	9.02378E-05	4.09122E-05
8046	0.00010302	0.000109107	2.51927E-05	9.8161E-05	3.96464E-05	0.00010689	0.000112593	1.62976E-05	9.8161E-05	4.12637E-05
8047	0.000108247	0.000114416	2.93789E-05	0.000102598	0.000130434	0.000112027	0.000117809	2.01705E-05	0.000102598	0.000125802

8048	0.00010766	0.000113654	3.10449E-05	0.000103088	0.00013026	0.000111667	0.000117325	2.17938E-05	0.000103088	0.00012555
8049	0.000107448	0.000113358	3.18962E-05	0.000102841	0.00013079	0.000111386	0.000116979	2.2547E-05	0.000102841	0.000126138
8050	0.00010594	0.00011167	3.26935E-05	0.000100799	0.000131025	0.000109578	0.000115001	2.34317E-05	0.000100799	0.000126397
8051	0.000104507	0.00011008	3.32635E-05	9.86913E-05	0.000131303	0.000107818	0.000113085	2.41461E-05	9.86913E-05	0.000126707
8052	0.00010295	0.000108472	3.2359E-05	9.73198E-05	0.000116556	0.000106263	0.000111478	2.34128E-05	9.73198E-05	0.000113047
8053	0.000102014	0.000107487	3.20438E-05	9.59902E-05	0.000116446	0.000105162	0.000110318	2.32764E-05	9.59902E-05	0.000112926
8054	0.000100789	0.000106257	3.08887E-05	9.51812E-05	0.000115856	0.000104044	0.000109192	2.22596E-05	9.51812E-05	0.000112264
8055	0.00010205	0.000107624	3.07922E-05	9.66692E-05	0.000129597	0.00010546	0.00011071	2.20582E-05	9.66692E-05	0.000124796
8056	0.000110865	0.000116966	3.28723E-05	0.000105041	0.000128166	0.000114606	0.000120344	2.34592E-05	0.000105041	0.000123187
8057	0.00012422	0.000131139	3.57752E-05	0.000116687	0.000126829	0.000128161	0.000134618	2.55884E-05	0.000116687	0.000121682
8058	0.000138181	0.000145675	4.23775E-05	0.000125586	0.000125735	0.000141154	0.000148051	3.1588E-05	0.000125586	0.000120452
8059	0.000147273	0.000154753	5.16596E-05	0.000128105	9.54106E-05	0.000148366	0.000155157	4.04898E-05	0.000128105	9.2203E-05
8060	0.000146387	0.000153494	5.5527E-05	0.000124538	6.6669E-05	0.000146411	0.00015283	4.44446E-05	0.000124538	6.57798E-05
8061	0.000143293	0.000150227	5.46417E-05	0.00011901	5.10945E-05	0.000142399	0.000148594	4.3987E-05	0.00011901	5.11951E-05
8062	0.000134733	0.000141402	4.94809E-05	0.000111446	3.69576E-05	0.000133827	0.00013977	3.94143E-05	0.000111446	3.82668E-05
8063	0.000119179	0.000125236	4.17546E-05	0.000101213	3.61964E-05	0.000119273	0.000124737	3.24779E-05	0.000101213	3.74138E-05
8064	0.000106925	0.000112694	3.31702E-05	9.46124E-05	3.57405E-05	0.000108379	0.000113656	2.45486E-05	9.46124E-05	3.6903E-05
8065	9.16429E-05	9.6891E-05	2.45527E-05	8.51895E-05	3.58421E-05	9.43244E-05	9.92103E-05	1.67143E-05	8.51895E-05	3.70262E-05
8066	8.75649E-05	9.27689E-05	2.10385E-05	8.34154E-05	3.60944E-05	9.08609E-05	9.57362E-05	1.34186E-05	8.34154E-05	3.7314E-05
8067	8.48598E-05	8.99706E-05	1.9524E-05	8.20204E-05	3.67148E-05	8.84552E-05	9.32695E-05	1.19831E-05	8.20204E-05	3.80179E-05
8068	8.62807E-05	9.15025E-05	1.95265E-05	8.42598E-05	3.78239E-05	9.02165E-05	9.51574E-05	1.17323E-05	8.42598E-05	3.92693E-05
8069	9.25511E-05	9.80975E-05	2.16472E-05	9.02378E-05	3.92869E-05	9.66963E-05	0.000101948	1.32768E-05	9.02378E-05	4.09122E-05
8070	0.00010302	0.000109107	2.51927E-05	9.8161E-05	3.96464E-05	0.00010689	0.000112593	1.62976E-05	9.8161E-05	4.12637E-05
8071	0.000108247	0.000114416	2.93789E-05	0.000102598	0.000130434	0.000112027	0.000117809	2.01705E-05	0.000102598	0.000125802
8072	0.00010766	0.000113654	3.10449E-05	0.000103088	0.00013026	0.000111667	0.000117325	2.17938E-05	0.000103088	0.00012555
8073	0.000107448	0.000113358	3.18962E-05	0.000102841	0.00013079	0.000111386	0.000116979	2.2547E-05	0.000102841	0.000126138
8074	0.00010594	0.00011167	3.26935E-05	0.000100799	0.000131025	0.000109578	0.000115001	2.34317E-05	0.000100799	0.000126397
8075	0.000104507	0.00011008	3.32635E-05	9.86913E-05	0.000131303	0.000107818	0.000113085	2.41461E-05	9.86913E-05	0.000126707
8076	0.00010295	0.000108472	3.2359E-05	9.73198E-05	0.000116556	0.000106263	0.000111478	2.34128E-05	9.73198E-05	0.000113047
8077	0.000102014	0.000107487	3.20438E-05	9.59902E-05	0.000116446	0.000105162	0.000110318	2.32764E-05	9.59902E-05	0.000112926
8078	0.000100789	0.000106257	3.08887E-05	9.51812E-05	0.000115856	0.000104044	0.000109192	2.22596E-05	9.51812E-05	0.000112264
8079	0.00010205	0.000107624	3.07922E-05	9.66692E-05	0.000129597	0.00010546	0.00011071	2.20582E-05	9.66692E-05	0.000124796
8080	0.000110865	0.000116966	3.28723E-05	0.000105041	0.000128166	0.000114606	0.000120344	2.34592E-05	0.000105041	0.000123187
8081	0.00012422	0.000131139	3.57752E-05	0.000116687	0.000126829	0.000128161	0.000134618	2.55884E-05	0.000116687	0.000121682
8082	0.000138181	0.000145675	4.23775E-05	0.000125586	0.000125735	0.000141154	0.000148051	3.1588E-05	0.000125586	0.000120452
8083	0.000147273	0.000154753	5.16596E-05	0.000128105	9.54106E-05	0.000148366	0.000155157	4.04898E-05	0.000128105	9.2203E-05
8084	0.000146387	0.000153494	5.5527E-05	0.000124538	6.6669E-05	0.000146411	0.00015283	4.44446E-05	0.000124538	6.57798E-05
8085	0.000143293	0.000150227	5.46417E-05	0.00011901	5.10945E-05	0.000142399	0.000148594	4.3987E-05	0.00011901	5.11951E-05
8086	0.000134733	0.000141402	4.94809E-05	0.000111446	3.69576E-05	0.000133827	0.00013977	3.94143E-05	0.000111446	3.82668E-05
8087	0.000119179	0.000125236	4.17546E-05	0.000101213	3.61964E-05	0.000119273	0.000124737	3.24779E-05	0.000101213	3.74138E-05
8088	0.000106925	0.000112694	3.31702E-05	9.46124E-05	3.57405E-05	0.000108379	0.000113656	2.45486E-05	9.46124E-05	3.6903E-05
8089	9.14547E-05	9.66908E-05	2.45173E-05	8.49672E-05	3.57948E-05	9.41155E-05	9.8989E-05	1.67014E-05	8.49672E-05	3.69735E-05
8090	8.63726E-05	9.1501E-05	2.0813E-05	8.20012E-05	3.60812E-05	8.95355E-05	9.43325E-05	1.33373E-05	8.20012E-05	3.72996E-05
8091	8.36872E-05	8.87237E-05	1.93025E-05	8.0632E-05	3.67243E-05	8.71525E-05	9.18898E-05	1.19029E-05	8.0632E-05	3.8029E-05
8092	8.5142E-05	9.02912E-05	1.93158E-05	8.29471E-05	3.77996E-05	8.8962E-05	9.3829E-05	1.16506E-05	8.29471E-05	3.92421E-05
8093	9.14188E-05	9.68927E-05	2.14416E-05	8.89638E-05	3.92382E-05	9.54581E-05	0.000100637	1.31922E-05	8.89638E-05	4.08577E-05
8094	0.00010191	0.000107927	2.49897E-05	9.69015E-05	3.9555E-05	0.000105674	0.000111305	1.62159E-05	9.69015E-05	4.11608E-05
8095	0.000108679	0.000114895	2.92182E-05	0.000101463	0.000130332	0.000112006	0.00011779	2.01271E-05	0.000101463	0.000125687
8096	0.0001062	0.0001121	3.07862E-05	0.000101499	0.000130131	0.000110086	0.000115652	2.1679E-05	0.000101499	0.000125405
8097	0.00010557	0.000111359	3.15652E-05	0.000100811	0.000130632	0.000109358	0.000114832	2.23978E-05	0.000100811	0.000125959
8098	0.000103525	0.000109099	3.22703E-05	9.8208E-05	0.000130881	0.000106975	0.000112246	2.32378E-05	9.8208E-05	0.000126235
8099	0.000101805	0.000107203	3.27893E-05	9.57872E-05	0.000131205	0.000104903	0.000110001	2.39295E-05	9.57872E-05	0.000126597
8100	0.000100156	0.000105498	3.18662E-05	9.42967E-05	0.000116452	0.000103243	0.000108283	2.3191E-05	9.42967E-05	0.00011293
8101	9.92005E-05	0.000104493	3.15429E-05	9.2908E-05	0.00011632	0.000102111	0.000107088	2.30573E-05	9.2908E-05	0.000112784
8102	9.81014E-05	0.000103396	3.04185E-05	9.23038E-05	0.000115742	0.000101148	0.000106128	2.2043E-05	9.23038E-05	0.000112135
8103	9.96249E-05	0.000105043	3.03649E-05	9.40487E-05	0.000129498	0.000102841	0.000107938	2.18655E-05	9.40487E-05	0.000124685
8104	0.0001088	0.000114769	3.24993E-05	0.000102735	0.000128102	0.000112353	0.000117959	2.33031E-05	0.000102735	0.000123114
8105	0.000122357	0.000129157	3.54299E-05	0.000114534	0.000126742	0.000126107	0.000132443	2.54552E-05	0.000114534	0.000121583
8106	0.00013645	0.000143833	4.20604E-05	0.000123617	0.000125639	0.000139254	0.00014604	3.1461E-05	0.000123617	0.000120343
8107	0.000145645	0.000153021	5.13536E-05	0.000126189	9.52708E-05	0.000146561	0.000153246	4.03772E-05	0.000126189	9.20456E-05
8108	0.000145016	0.000152038	5.52593E-05	0.000122843	6.65629E-05	0.000144867	0.000151194	4.43587E-05	0.000122843	6.56605E-05
8109	0.000140515	0.000147254	5.43611E-05	0.000117382	5.10439E-05	0.000139817	0.000145858	4.38684E-05	0.000117382	5.11389E-05
8110	0.000133573	0.000140168	4.92577E-05	0.000110039	3.69494E-05	0.000132527	0.000138394	3.93384E-05	0.000110039	3.82584E-05
8111	0.000118166	0.000124158	4.15689E-05	0.000100059	3.6204E-05	0.000118162	0.00012356	3.24038E-05	0.000100059	3.7423E-05
8112	0.000106317	0.000112047	3.30638E-05	9.39615E-05	3.58291E-05	0.000107724	0.000112963	2.44996E-05	9.39615E-05	3.70036E-05
8113	9.14547E-05	9.66908E-05	2.45173E-05	8.49672E-05	3.57948E-05	9.41155E-05	9.8989E-05	1.67014E-05	8.49672E-05	3.69735E-05
8114	8.63726E-05	9.1501E-05	2.0813E-05	8.20012E-05	3.60812E-05	8.95355E-05	9.43325E-05	1.33373E-05	8.20012E-05	3.72996E-05
8115	8.36872E-05	8.87237E-05	1.93025E-05	8.0632E-05	3.67243E-05	8.71525E-05	9.18898E-05	1.19029E-05	8.0632E-05	3.8029E-05
8116	8.5142E-05	9.02912E-05	1.93158E-05	8.29471E-05	3.77996E-05	8.8962E-05	9.3829E-05	1.16506E-05	8.29471E-05	3.92421E-05
8117	9.14188E-05	9.68927E-05	2.14416E-05	8.89638E-05	3.92382E-05	9.54581E-05	0.000100637	1.31922E-05	8.89638E-05	4.08577E-05
8118	0.00010191	0.000107927	2.49897E-05	9.69015E-05	3.9555E-05	0.000105674	0.000111305	1.62159E-05	9.69015E-05	4.11608E-05
8119	0.000108679	0.000114895	2.92182E-05	0.000101463	0.000130332	0.000112006	0.00011779	2.01271E-05	0.000101463	0.000125687
8120	0.0001062	0.0001121	3.07862E-05	0.000101499	0.000130131	0.000110086	0.000115652	2.1679E-05	0.000101499	0.000125405
8121	0.00010557	0.000111359	3.15652E-05	0.000100811	0.000130632	0.000109358	0.000114832	2.23978E-05	0.000100811	0.000125959
8122	0.000103525	0.000109099	3.22703E-05	9.8208E-05	0.000130881	0.000106975	0.000112246	2.32378E-05	9.8208E-05	0.000126235
8123	0.000101805	0.000107203	3.27893E-05	9.57872E-05	0.000131205	0.000104903	0.000110001	2.39295E-05	9.57872E-05	0.000126597

8124	0.000100156	0.000105498	3.18662E-05	9.42967E-05	0.000116452	0.000103243	0.000108283	2.3191E-05	9.42967E-05	0.00011293
8125	9.92005E-05	0.000104493	3.15429E-05	9.2908E-05	0.00011632	0.000102111	0.000107088	2.30573E-05	9.2908E-05	0.000112784
8126	9.81014E-05	0.000103396	3.04185E-05	9.23038E-05	0.000115742	0.000101148	0.000106128	2.2043E-05	9.23038E-05	0.000112135
8127	9.96249E-05	0.000105043	3.03649E-05	9.40487E-05	0.000129498	0.000102841	0.000107938	2.18655E-05	9.40487E-05	0.000124685
8128	0.0001088	0.000114769	3.24993E-05	0.000102735	0.000128102	0.000112353	0.000117959	2.33031E-05	0.000102735	0.000123114
8129	0.000122357	0.000129157	3.54299E-05	0.000114534	0.000126742	0.000126107	0.000132443	2.54552E-05	0.000114534	0.000121583
8130	0.00013645	0.000143833	4.20604E-05	0.000123617	0.000125639	0.000139254	0.00014604	3.1461E-05	0.000123617	0.000120343
8131	0.000145645	0.000153021	5.13536E-05	0.000126189	9.52708E-05	0.000146561	0.000153246	4.03772E-05	0.000126189	9.20456E-05
8132	0.000145016	0.000152038	5.52593E-05	0.000122843	6.65629E-05	0.000144867	0.000151194	4.43587E-05	0.000122843	6.56605E-05
8133	0.000140515	0.000147254	5.43611E-05	0.000117382	5.10439E-05	0.000139817	0.000145858	4.38684E-05	0.000117382	5.11389E-05
8134	0.000133573	0.000140168	4.92577E-05	0.000110039	3.69494E-05	0.000132527	0.000138394	3.93384E-05	0.000110039	3.82584E-05
8135	0.000118166	0.000124158	4.15689E-05	0.000100059	3.6204E-05	0.000118162	0.00012356	3.24038E-05	0.000100059	3.7423E-05
8136	0.000106317	0.000112047	3.30638E-05	9.39615E-05	3.58291E-05	0.000107724	0.000112963	2.44996E-05	9.39615E-05	3.70036E-05
8137	9.16429E-05	9.6891E-05	2.45527E-05	8.51895E-05	3.58421E-05	9.43244E-05	9.92103E-05	1.67143E-05	8.51895E-05	3.70262E-05
8138	8.75649E-05	9.27689E-05	2.10385E-05	8.34154E-05	3.60944E-05	9.08609E-05	9.57362E-05	1.34186E-05	8.34154E-05	3.7314E-05
8139	8.48598E-05	8.99706E-05	1.9524E-05	8.20204E-05	3.67148E-05	8.84552E-05	9.32695E-05	1.19831E-05	8.20204E-05	3.80179E-05
8140	8.62807E-05	9.15025E-05	1.95265E-05	8.42598E-05	3.78239E-05	9.02165E-05	9.51574E-05	1.17323E-05	8.42598E-05	3.92693E-05
8141	9.25511E-05	9.80975E-05	2.16472E-05	9.02378E-05	3.92869E-05	9.66963E-05	0.000101948	1.32768E-05	9.02378E-05	4.09122E-05
8142	0.00010302	0.000109107	2.51927E-05	9.8161E-05	3.96464E-05	0.00010689	0.000112593	1.62976E-05	9.8161E-05	4.12637E-05
8143	0.000108247	0.000114416	2.93789E-05	0.000102598	0.000130434	0.000112027	0.000117809	2.01705E-05	0.000102598	0.000125802
8144	0.00010766	0.000113654	3.10449E-05	0.000103088	0.00013026	0.000111667	0.000117325	2.17938E-05	0.000103088	0.00012555
8145	0.000107448	0.000113358	3.18962E-05	0.000102841	0.00013079	0.000111386	0.000116979	2.2547E-05	0.000102841	0.000126138
8146	0.00010594	0.00011167	3.26935E-05	0.000100799	0.000131025	0.000109578	0.000115001	2.34317E-05	0.000100799	0.000126397
8147	0.000104507	0.00011008	3.32635E-05	9.86913E-05	0.000131303	0.000107818	0.000113085	2.41461E-05	9.86913E-05	0.000126707
8148	0.00010295	0.000108472	3.2359E-05	9.73198E-05	0.000116556	0.000106263	0.000111478	2.34128E-05	9.73198E-05	0.000113047
8149	0.000102014	0.000107487	3.20438E-05	9.59902E-05	0.000116446	0.000105162	0.000110318	2.32764E-05	9.59902E-05	0.000112926
8150	0.000100789	0.000106257	3.08887E-05	9.51812E-05	0.000115856	0.000104044	0.000109192	2.22596E-05	9.51812E-05	0.000112264
8151	0.00010205	0.000107624	3.07922E-05	9.66692E-05	0.000129597	0.00010546	0.00011071	2.20582E-05	9.66692E-05	0.000124796
8152	0.000110865	0.000116966	3.28723E-05	0.000105041	0.000128166	0.000114606	0.000120344	2.34592E-05	0.000105041	0.000123187
8153	0.00012422	0.000131139	3.57752E-05	0.000116687	0.000126829	0.000128161	0.000134618	2.55884E-05	0.000116687	0.000121682
8154	0.000138181	0.000145675	4.23775E-05	0.000125586	0.000125735	0.000141154	0.000148051	3.1588E-05	0.000125586	0.000120452
8155	0.000147273	0.000154753	5.16596E-05	0.000128105	9.54106E-05	0.000148366	0.000155157	4.04898E-05	0.000128105	9.2203E-05
8156	0.000146387	0.000153494	5.5527E-05	0.000124538	6.6669E-05	0.000146411	0.00015283	4.44446E-05	0.000124538	6.57798E-05
8157	0.000143293	0.000150227	5.46417E-05	0.00011901	5.10945E-05	0.000142399	0.000148594	4.3987E-05	0.00011901	5.11951E-05
8158	0.000134733	0.000141402	4.94809E-05	0.000111446	3.69576E-05	0.000133827	0.00013977	3.94143E-05	0.000111446	3.82668E-05
8159	0.000119179	0.000125236	4.17546E-05	0.000101213	3.61964E-05	0.000119273	0.000124737	3.24779E-05	0.000101213	3.74138E-05
8160	0.000106925	0.000112694	3.31702E-05	9.46124E-05	3.57405E-05	0.000108379	0.000113656	2.45486E-05	9.46124E-05	3.6903E-05
8161	9.16429E-05	9.6891E-05	2.45527E-05	8.51895E-05	3.58421E-05	9.43244E-05	9.92103E-05	1.67143E-05	8.51895E-05	3.70262E-05
8162	8.75649E-05	9.27689E-05	2.10385E-05	8.34154E-05	3.60944E-05	9.08609E-05	9.57362E-05	1.34186E-05	8.34154E-05	3.7314E-05
8163	8.48598E-05	8.99706E-05	1.9524E-05	8.20204E-05	3.67148E-05	8.84552E-05	9.32695E-05	1.19831E-05	8.20204E-05	3.80179E-05
8164	8.62807E-05	9.15025E-05	1.95265E-05	8.42598E-05	3.78239E-05	9.02165E-05	9.51574E-05	1.17323E-05	8.42598E-05	3.92693E-05
8165	9.25511E-05	9.80975E-05	2.16472E-05	9.02378E-05	3.92869E-05	9.66963E-05	0.000101948	1.32768E-05	9.02378E-05	4.09122E-05
8166	0.00010302	0.000109107	2.51927E-05	9.8161E-05	3.96464E-05	0.00010689	0.000112593	1.62976E-05	9.8161E-05	4.12637E-05
8167	0.000108247	0.000114416	2.93789E-05	0.000102598	0.000130434	0.000112027	0.000117809	2.01705E-05	0.000102598	0.000125802
8168	0.00010766	0.000113654	3.10449E-05	0.000103088	0.00013026	0.000111667	0.000117325	2.17938E-05	0.000103088	0.00012555
8169	0.000107448	0.000113358	3.18962E-05	0.000102841	0.00013079	0.000111386	0.000116979	2.2547E-05	0.000102841	0.000126138
8170	0.00010594	0.00011167	3.26935E-05	0.000100799	0.000131025	0.000109578	0.000115001	2.34317E-05	0.000100799	0.000126397
8171	0.000104507	0.00011008	3.32635E-05	9.86913E-05	0.000131303	0.000107818	0.000113085	2.41461E-05	9.86913E-05	0.000126707
8172	0.00010295	0.000108472	3.2359E-05	9.73198E-05	0.000116556	0.000106263	0.000111478	2.34128E-05	9.73198E-05	0.000113047
8173	0.000102014	0.000107487	3.20438E-05	9.59902E-05	0.000116446	0.000105162	0.000110318	2.32764E-05	9.59902E-05	0.000112926
8174	0.000100789	0.000106257	3.08887E-05	9.51812E-05	0.000115856	0.000104044	0.000109192	2.22596E-05	9.51812E-05	0.000112264
8175	0.00010205	0.000107624	3.07922E-05	9.66692E-05	0.000129597	0.00010546	0.00011071	2.20582E-05	9.66692E-05	0.000124796
8176	0.000110865	0.000116966	3.28723E-05	0.000105041	0.000128166	0.000114606	0.000120344	2.34592E-05	0.000105041	0.000123187
8177	0.00012422	0.000131139	3.57752E-05	0.000116687	0.000126829	0.000128161	0.000134618	2.55884E-05	0.000116687	0.000121682
8178	0.000138181	0.000145675	4.23775E-05	0.000125586	0.000125735	0.000141154	0.000148051	3.1588E-05	0.000125586	0.000120452
8179	0.000147273	0.000154753	5.16596E-05	0.000128105	9.54106E-05	0.000148366	0.000155157	4.04898E-05	0.000128105	9.2203E-05
8180	0.000146387	0.000153494	5.5527E-05	0.000124538	6.6669E-05	0.000146411	0.00015283	4.44446E-05	0.000124538	6.57798E-05
8181	0.000143293	0.000150227	5.46417E-05	0.00011901	5.10945E-05	0.000142399	0.000148594	4.3987E-05	0.00011901	5.11951E-05
8182	0.000134733	0.000141402	4.94809E-05	0.000111446	3.69576E-05	0.000133827	0.00013977	3.94143E-05	0.000111446	3.82668E-05
8183	0.000119179	0.000125236	4.17546E-05	0.000101213	3.61964E-05	0.000119273	0.000124737	3.24779E-05	0.000101213	3.74138E-05
8184	0.000106925	0.000112694	3.31702E-05	9.46124E-05	3.57405E-05	0.000108379	0.000113656	2.45486E-05	9.46124E-05	3.6903E-05
8185	9.16429E-05	9.6891E-05	2.45527E-05	8.51895E-05	3.58421E-05	9.43244E-05	9.92103E-05	1.67143E-05	8.51895E-05	3.70262E-05
8186	8.75649E-05	9.27689E-05	2.10385E-05	8.34154E-05	3.60944E-05	9.08609E-05	9.57362E-05	1.34186E-05	8.34154E-05	3.7314E-05
8187	8.48598E-05	8.99706E-05	1.9524E-05	8.20204E-05	3.67148E-05	8.84552E-05	9.32695E-05	1.19831E-05	8.20204E-05	3.80179E-05
8188	8.62807E-05	9.15025E-05	1.95265E-05	8.42598E-05	3.78239E-05	9.02165E-05	9.51574E-05	1.17323E-05	8.42598E-05	3.92693E-05
8189	9.25511E-05	9.80975E-05	2.16472E-05	9.02378E-05	3.92869E-05	9.66963E-05	0.000101948	1.32768E-05	9.02378E-05	4.09122E-05
8190	0.00010302	0.000109107	2.51927E-05	9.8161E-05	3.96464E-05	0.00010689	0.000112593	1.62976E-05	9.8161E-05	4.12637E-05
8191	0.000108247	0.000114416	2.93789E-05	0.000102598	0.000130434	0.000112027	0.000117809	2.01705E-05	0.000102598	0.000125802
8192	0.00010766	0.000113654	3.10449E-05	0.000103088	0.00013026	0.000111667	0.000117325	2.17938E-05	0.000103088	0.00012555
8193	0.000107448	0.000113358	3.18962E-05	0.000102841	0.00013079	0.000111386	0.000116979	2.2547E-05	0.000102841	0.000126138
8194	0.00010594	0.00011167	3.26935E-05	0.000100799	0.000131025	0.000109578	0.000115001	2.34317E-05	0.000100799	0.000126397
8195	0.000104507	0.00011008	3.32635E-05	9.86913E-05	0.000131303	0.000107818	0.000113085	2.41461E-05	9.86913E-05	0.000126707
8196	0.00010295	0.000108472	3.2359E-05	9.73198E-05	0.000116556	0.000106263	0.000111478	2.34128E-05	9.73198E-05	0.000113047
8197	0.000102014	0.000107487	3.20438E-05	9.59902E-05	0.000116446	0.000105162	0.000110318	2.32764E-05	9.59902E-05	0.000112926
8198	0.000100789	0.000106257	3.08887E-05	9.51812E-05	0.000115856	0.000104044	0.000109192	2.22596E-05	9.51812E-05	0.000112264
8199	0.00010205	0.000107624	3.07922E-05	9.66692E-05	0.000129597	0.00010546	0.00011071	2.20582E-05	9.66692E-05	0.000124796

8200	0.000110865	0.000116966	3.28723E-05	0.000105041	0.000128166	0.000114606	0.000120344	2.34592E-05	0.000105041	0.000123187
8201	0.00012422	0.000131139	3.57752E-05	0.000116687	0.000126829	0.000128161	0.000134618	2.55884E-05	0.000116687	0.000121682
8202	0.000138181	0.000145675	4.23775E-05	0.000125586	0.000125735	0.000141154	0.000148051	3.1588E-05	0.000125586	0.000120452
8203	0.000147273	0.000154753	5.16596E-05	0.000128105	9.54106E-05	0.000148366	0.000155157	4.04898E-05	0.000128105	9.2203E-05
8204	0.000146387	0.000153494	5.5527E-05	0.000124538	6.6669E-05	0.000146411	0.00015283	4.44446E-05	0.000124538	6.57798E-05
8205	0.000143293	0.000150227	5.46417E-05	0.00011901	5.10945E-05	0.000142399	0.000148594	4.3987E-05	0.00011901	5.11951E-05
8206	0.000134733	0.000141402	4.94809E-05	0.000111446	3.69576E-05	0.000133827	0.00013977	3.94143E-05	0.000111446	3.82668E-05
8207	0.000119179	0.000125236	4.17546E-05	0.000101213	3.61964E-05	0.000119273	0.000124737	3.24779E-05	0.000101213	3.74138E-05
8208	0.000106925	0.000112694	3.31702E-05	9.46124E-05	3.57405E-05	0.000108379	0.000113656	2.45486E-05	9.46124E-05	3.6903E-05
8209	9.16429E-05	9.6891E-05	2.45527E-05	8.51895E-05	3.58421E-05	9.43244E-05	9.92103E-05	1.67143E-05	8.51895E-05	3.70262E-05
8210	8.75649E-05	9.27689E-05	2.10385E-05	8.34154E-05	3.60944E-05	9.08609E-05	9.57362E-05	1.34186E-05	8.34154E-05	3.7314E-05
8211	8.48598E-05	8.99706E-05	1.9524E-05	8.20204E-05	3.67148E-05	8.84552E-05	9.32695E-05	1.19831E-05	8.20204E-05	3.80179E-05
8212	8.62807E-05	9.15025E-05	1.95265E-05	8.42598E-05	3.78239E-05	9.02165E-05	9.51574E-05	1.17323E-05	8.42598E-05	3.92693E-05
8213	9.25511E-05	9.80975E-05	2.16472E-05	9.02378E-05	3.92869E-05	9.66963E-05	0.000101948	1.32768E-05	9.02378E-05	4.09122E-05
8214	0.00010302	0.000109107	2.51927E-05	9.8161E-05	3.96464E-05	0.00010689	0.000112593	1.62976E-05	9.8161E-05	4.12637E-05
8215	0.000108247	0.000114416	2.93789E-05	0.000102598	0.000130434	0.000112027	0.000117809	2.01705E-05	0.000102598	0.000125802
8216	0.00010766	0.000113654	3.10449E-05	0.000103088	0.00013026	0.000111667	0.000117325	2.17938E-05	0.000103088	0.00012555
8217	0.000107448	0.000113358	3.18962E-05	0.000102841	0.00013079	0.000111386	0.000116979	2.2547E-05	0.000102841	0.000126138
8218	0.00010594	0.00011167	3.26935E-05	0.000100799	0.000131025	0.000109578	0.000115001	2.34317E-05	0.000100799	0.000126397
8219	0.000104507	0.00011008	3.32635E-05	9.86913E-05	0.000131303	0.000107818	0.000113085	2.41461E-05	9.86913E-05	0.000126707
8220	0.00010295	0.000108472	3.2359E-05	9.73198E-05	0.000116556	0.000106263	0.000111478	2.34128E-05	9.73198E-05	0.000113047
8221	0.000102014	0.000107487	3.20438E-05	9.59902E-05	0.000116446	0.000105162	0.000110318	2.32764E-05	9.59902E-05	0.000112926
8222	0.000100789	0.000106257	3.08887E-05	9.51812E-05	0.000115856	0.000104044	0.000109192	2.22596E-05	9.51812E-05	0.000112264
8223	0.00010205	0.000107624	3.07922E-05	9.66692E-05	0.000129597	0.00010546	0.00011071	2.20582E-05	9.66692E-05	0.000124796
8224	0.000110865	0.000116966	3.28723E-05	0.000105041	0.000128166	0.000114606	0.000120344	2.34592E-05	0.000105041	0.000123187
8225	0.00012422	0.000131139	3.57752E-05	0.000116687	0.000126829	0.000128161	0.000134618	2.55884E-05	0.000116687	0.000121682
8226	0.000138181	0.000145675	4.23775E-05	0.000125586	0.000125735	0.000141154	0.000148051	3.1588E-05	0.000125586	0.000120452
8227	0.000147273	0.000154753	5.16596E-05	0.000128105	9.54106E-05	0.000148366	0.000155157	4.04898E-05	0.000128105	9.2203E-05
8228	0.000146387	0.000153494	5.5527E-05	0.000124538	6.6669E-05	0.000146411	0.00015283	4.44446E-05	0.000124538	6.57798E-05
8229	0.000143293	0.000150227	5.46417E-05	0.00011901	5.10945E-05	0.000142399	0.000148594	4.3987E-05	0.00011901	5.11951E-05
8230	0.000134733	0.000141402	4.94809E-05	0.000111446	3.69576E-05	0.000133827	0.00013977	3.94143E-05	0.000111446	3.82668E-05
8231	0.000119179	0.000125236	4.17546E-05	0.000101213	3.61964E-05	0.000119273	0.000124737	3.24779E-05	0.000101213	3.74138E-05
8232	0.000106925	0.000112694	3.31702E-05	9.46124E-05	3.57405E-05	0.000108379	0.000113656	2.45486E-05	9.46124E-05	3.6903E-05
8233	9.16429E-05	9.6891E-05	2.45527E-05	8.51895E-05	3.58421E-05	9.43244E-05	9.92103E-05	1.67143E-05	8.51895E-05	3.70262E-05
8234	8.75649E-05	9.27689E-05	2.10385E-05	8.34154E-05	3.60944E-05	9.08609E-05	9.57362E-05	1.34186E-05	8.34154E-05	3.7314E-05
8235	8.48598E-05	8.99706E-05	1.9524E-05	8.20204E-05	3.67148E-05	8.84552E-05	9.32695E-05	1.19831E-05	8.20204E-05	3.80179E-05
8236	8.62807E-05	9.15025E-05	1.95265E-05	8.42598E-05	3.78239E-05	9.02165E-05	9.51574E-05	1.17323E-05	8.42598E-05	3.92693E-05
8237	9.25511E-05	9.80975E-05	2.16472E-05	9.02378E-05	3.92869E-05	9.66963E-05	0.000101948	1.32768E-05	9.02378E-05	4.09122E-05
8238	0.00010302	0.000109107	2.51927E-05	9.8161E-05	3.96464E-05	0.00010689	0.000112593	1.62976E-05	9.8161E-05	4.12637E-05
8239	0.000108247	0.000114416	2.93789E-05	0.000102598	0.000130434	0.000112027	0.000117809	2.01705E-05	0.000102598	0.000125802
8240	0.00010766	0.000113654	3.10449E-05	0.000103088	0.00013026	0.000111667	0.000117325	2.17938E-05	0.000103088	0.00012555
8241	0.000107448	0.000113358	3.18962E-05	0.000102841	0.00013079	0.000111386	0.000116979	2.2547E-05	0.000102841	0.000126138
8242	0.00010594	0.00011167	3.26935E-05	0.000100799	0.000131025	0.000109578	0.000115001	2.34317E-05	0.000100799	0.000126397
8243	0.000104507	0.00011008	3.32635E-05	9.86913E-05	0.000131303	0.000107818	0.000113085	2.41461E-05	9.86913E-05	0.000126707
8244	0.00010295	0.000108472	3.2359E-05	9.73198E-05	0.000116556	0.000106263	0.000111478	2.34128E-05	9.73198E-05	0.000113047
8245	0.000102014	0.000107487	3.20438E-05	9.59902E-05	0.000116446	0.000105162	0.000110318	2.32764E-05	9.59902E-05	0.000112926
8246	0.000100789	0.000106257	3.08887E-05	9.51812E-05	0.000115856	0.000104044	0.000109192	2.22596E-05	9.51812E-05	0.000112264
8247	0.00010205	0.000107624	3.07922E-05	9.66692E-05	0.000129597	0.00010546	0.00011071	2.20582E-05	9.66692E-05	0.000124796
8248	0.000110865	0.000116966	3.28723E-05	0.000105041	0.000128166	0.000114606	0.000120344	2.34592E-05	0.000105041	0.000123187
8249	0.00012422	0.000131139	3.57752E-05	0.000116687	0.000126829	0.000128161	0.000134618	2.55884E-05	0.000116687	0.000121682
8250	0.000138181	0.000145675	4.23775E-05	0.000125586	0.000125735	0.000141154	0.000148051	3.1588E-05	0.000125586	0.000120452
8251	0.000147273	0.000154753	5.16596E-05	0.000128105	9.54106E-05	0.000148366	0.000155157	4.04898E-05	0.000128105	9.2203E-05
8252	0.000146387	0.000153494	5.5527E-05	0.000124538	6.6669E-05	0.000146411	0.00015283	4.44446E-05	0.000124538	6.57798E-05
8253	0.000143293	0.000150227	5.46417E-05	0.00011901	5.10945E-05	0.000142399	0.000148594	4.3987E-05	0.00011901	5.11951E-05
8254	0.000134733	0.000141402	4.94809E-05	0.000111446	3.69576E-05	0.000133827	0.00013977	3.94143E-05	0.000111446	3.82668E-05
8255	0.000119179	0.000125236	4.17546E-05	0.000101213	3.61964E-05	0.000119273	0.000124737	3.24779E-05	0.000101213	3.74138E-05
8256	0.000106925	0.000112694	3.31702E-05	9.46124E-05	3.57405E-05	0.000108379	0.000113656	2.45486E-05	9.46124E-05	3.6903E-05
8257	9.14547E-05	9.66908E-05	2.45173E-05	8.49672E-05	3.57948E-05	9.41155E-05	9.8989E-05	1.67014E-05	8.49672E-05	3.69735E-05
8258	8.63726E-05	9.1501E-05	2.0813E-05	8.20012E-05	3.60812E-05	8.95355E-05	9.43325E-05	1.33373E-05	8.20012E-05	3.72996E-05
8259	8.36872E-05	8.87237E-05	1.93025E-05	8.0632E-05	3.67243E-05	8.71525E-05	9.18898E-05	1.19029E-05	8.0632E-05	3.8029E-05
8260	8.5142E-05	9.02912E-05	1.93158E-05	8.29471E-05	3.77996E-05	8.8962E-05	9.3829E-05	1.16506E-05	8.29471E-05	3.92421E-05
8261	9.14188E-05	9.68927E-05	2.14416E-05	8.89638E-05	3.92382E-05	9.54581E-05	0.000100637	1.31922E-05	8.89638E-05	4.08577E-05
8262	0.00010191	0.000107927	2.49897E-05	9.69015E-05	3.9555E-05	0.000105674	0.000111305	1.62159E-05	9.69015E-05	4.11608E-05
8263	0.000108679	0.000114895	2.92182E-05	0.000101463	0.000130332	0.000112006	0.00011779	2.01271E-05	0.000101463	0.000125687
8264	0.0001062	0.0001121	3.07862E-05	0.000101499	0.000130131	0.000110086	0.000115652	2.1679E-05	0.000101499	0.000125405
8265	0.00010557	0.000111359	3.15652E-05	0.000100811	0.000130632	0.000109358	0.000114832	2.23978E-05	0.000100811	0.000125959
8266	0.000103525	0.000109099	3.22703E-05	9.8208E-05	0.000130881	0.000106975	0.000112246	2.32378E-05	9.8208E-05	0.000126235
8267	0.000101805	0.000107203	3.27893E-05	9.57872E-05	0.000131205	0.000104903	0.000110001	2.39295E-05	9.57872E-05	0.000126597
8268	0.000100156	0.000105498	3.18662E-05	9.42967E-05	0.000116452	0.000103243	0.000108283	2.3191E-05	9.42967E-05	0.00011293
8269	9.92005E-05	0.000104493	3.15429E-05	9.2908E-05	0.00011632	0.000102111	0.000107088	2.30573E-05	9.2908E-05	0.000112784
8270	9.81014E-05	0.000103396	3.04185E-05	9.23038E-05	0.000115742	0.000101148	0.000106128	2.2043E-05	9.23038E-05	0.000112135
8271	9.96249E-05	0.000105043	3.03649E-05	9.40487E-05	0.000129498	0.000102841	0.000107938	2.18655E-05	9.40487E-05	0.000124685
8272	0.0001088	0.000114769	3.24993E-05	0.000102735	0.000128102	0.000112353	0.000117959	2.33031E-05	0.000102735	0.000123114
8273	0.000122357	0.000129157	3.54299E-05	0.000114534	0.000126742	0.000126107	0.000132443	2.54552E-05	0.000114534	0.000121583
8274	0.00013645	0.000143833	4.20604E-05	0.000123617	0.000125639	0.000139254	0.00014604	3.1461E-05	0.000123617	0.000120343
8275	0.000145645	0.000153021	5.13536E-05	0.000126189	9.52708E-05	0.000146561	0.000153246	4.03772E-05	0.000126189	9.20456E-05

8276	0.000145016	0.000152038	5.52593E-05	0.000122843	6.65629E-05	0.000144867	0.000151194	4.43587E-05	0.000122843	6.56605E-05
8277	0.000140515	0.000147254	5.43611E-05	0.000117382	5.10439E-05	0.000139817	0.000145858	4.38684E-05	0.000117382	5.11389E-05
8278	0.000133573	0.000140168	4.92577E-05	0.000110039	3.69494E-05	0.000132527	0.000138394	3.93384E-05	0.000110039	3.82584E-05
8279	0.000118166	0.000124158	4.15689E-05	0.000100059	3.6204E-05	0.000118162	0.00012356	3.24038E-05	0.000100059	3.7423E-05
8280	0.000106317	0.000112047	3.30638E-05	9.39615E-05	3.58291E-05	0.000107724	0.000112963	2.44996E-05	9.39615E-05	3.70036E-05
8281	9.14547E-05	9.66908E-05	2.45173E-05	8.49672E-05	3.57948E-05	9.41155E-05	9.8989E-05	1.67014E-05	8.49672E-05	3.69735E-05
8282	8.63726E-05	9.1501E-05	2.0813E-05	8.20012E-05	3.60812E-05	8.95355E-05	9.43325E-05	1.33373E-05	8.20012E-05	3.72996E-05
8283	8.36872E-05	8.87237E-05	1.93025E-05	8.0632E-05	3.67243E-05	8.71525E-05	9.18898E-05	1.19029E-05	8.0632E-05	3.8029E-05
8284	8.5142E-05	9.02912E-05	1.93158E-05	8.29471E-05	3.77996E-05	8.8962E-05	9.3829E-05	1.16506E-05	8.29471E-05	3.92421E-05
8285	9.14188E-05	9.68927E-05	2.14416E-05	8.89638E-05	3.92382E-05	9.54581E-05	0.000100637	1.31922E-05	8.89638E-05	4.08577E-05
8286	0.00010191	0.000107927	2.49897E-05	9.69015E-05	3.9555E-05	0.000105674	0.000111305	1.62159E-05	9.69015E-05	4.11608E-05
8287	0.000108679	0.000114895	2.92182E-05	0.000101463	0.000130332	0.000112006	0.00011779	2.01271E-05	0.000101463	0.000125687
8288	0.0001062	0.0001121	3.07862E-05	0.000101499	0.000130131	0.000110086	0.000115652	2.1679E-05	0.000101499	0.000125405
8289	0.00010557	0.000111359	3.15652E-05	0.000100811	0.000130632	0.000109358	0.000114832	2.23978E-05	0.000100811	0.000125959
8290	0.000103525	0.000109099	3.22703E-05	9.8208E-05	0.000130881	0.000106975	0.000112246	2.32378E-05	9.8208E-05	0.000126235
8291	0.000101805	0.000107203	3.27893E-05	9.57872E-05	0.000131205	0.000104903	0.000110001	2.39295E-05	9.57872E-05	0.000126597
8292	0.000100156	0.000105498	3.18662E-05	9.42967E-05	0.000116452	0.000103243	0.000108283	2.3191E-05	9.42967E-05	0.00011293
8293	9.92005E-05	0.000104493	3.15429E-05	9.2908E-05	0.00011632	0.000102111	0.000107088	2.30573E-05	9.2908E-05	0.000112784
8294	9.81014E-05	0.000103396	3.04185E-05	9.23038E-05	0.000115742	0.000101148	0.000106128	2.2043E-05	9.23038E-05	0.000112135
8295	9.96249E-05	0.000105043	3.03649E-05	9.40487E-05	0.000129498	0.000102841	0.000107938	2.18655E-05	9.40487E-05	0.000124685
8296	0.0001088	0.000114769	3.24993E-05	0.000102735	0.000128102	0.000112353	0.000117959	2.33031E-05	0.000102735	0.000123114
8297	0.000122357	0.000129157	3.54299E-05	0.000114534	0.000126742	0.000126107	0.000132443	2.54552E-05	0.000114534	0.000121583
8298	0.00013645	0.000143833	4.20604E-05	0.000123617	0.000125639	0.000139254	0.00014604	3.1461E-05	0.000123617	0.000120343
8299	0.000145645	0.000153021	5.13536E-05	0.000126189	9.52708E-05	0.000146561	0.000153246	4.03772E-05	0.000126189	9.20456E-05
8300	0.000145016	0.000152038	5.52593E-05	0.000122843	6.65629E-05	0.000144867	0.000151194	4.43587E-05	0.000122843	6.56605E-05
8301	0.000140515	0.000147254	5.43611E-05	0.000117382	5.10439E-05	0.000139817	0.000145858	4.38684E-05	0.000117382	5.11389E-05
8302	0.000133573	0.000140168	4.92577E-05	0.000110039	3.69494E-05	0.000132527	0.000138394	3.93384E-05	0.000110039	3.82584E-05
8303	0.000118166	0.000124158	4.15689E-05	0.000100059	3.6204E-05	0.000118162	0.00012356	3.24038E-05	0.000100059	3.7423E-05
8304	0.000106317	0.000112047	3.30638E-05	9.39615E-05	3.58291E-05	0.000107724	0.000112963	2.44996E-05	9.39615E-05	3.70036E-05
8305	9.16429E-05	9.6891E-05	2.45527E-05	8.51895E-05	3.58421E-05	9.43244E-05	9.92103E-05	1.67143E-05	8.51895E-05	3.70262E-05
8306	8.75649E-05	9.27689E-05	2.10385E-05	8.34154E-05	3.60944E-05	9.08609E-05	9.57362E-05	1.34186E-05	8.34154E-05	3.7314E-05
8307	8.48598E-05	8.99706E-05	1.9524E-05	8.20204E-05	3.67148E-05	8.84552E-05	9.32695E-05	1.19831E-05	8.20204E-05	3.80179E-05
8308	8.62807E-05	9.15025E-05	1.95265E-05	8.42598E-05	3.78239E-05	9.02165E-05	9.51574E-05	1.17323E-05	8.42598E-05	3.92693E-05
8309	9.25511E-05	9.80975E-05	2.16472E-05	9.02378E-05	3.92869E-05	9.66963E-05	0.000101948	1.32768E-05	9.02378E-05	4.09122E-05
8310	0.00010302	0.000109107	2.51927E-05	9.8161E-05	3.96464E-05	0.00010689	0.000112593	1.62976E-05	9.8161E-05	4.12637E-05
8311	0.000108247	0.000114416	2.93789E-05	0.000102598	0.000130434	0.000112027	0.000117809	2.01705E-05	0.000102598	0.000125802
8312	0.00010766	0.000113654	3.10449E-05	0.000103088	0.00013026	0.000111667	0.000117325	2.17938E-05	0.000103088	0.00012555
8313	0.000107448	0.000113358	3.18962E-05	0.000102841	0.00013079	0.000111386	0.000116979	2.2547E-05	0.000102841	0.000126138
8314	0.00010594	0.00011167	3.26935E-05	0.000100799	0.000131025	0.000109578	0.000115001	2.34317E-05	0.000100799	0.000126397
8315	0.000104507	0.00011008	3.32635E-05	9.86913E-05	0.000131303	0.000107818	0.000113085	2.41461E-05	9.86913E-05	0.000126707
8316	0.00010295	0.000108472	3.2359E-05	9.73198E-05	0.000116556	0.000106263	0.000111478	2.34128E-05	9.73198E-05	0.000113047
8317	0.000102014	0.000107487	3.20438E-05	9.59902E-05	0.000116446	0.000105162	0.000110318	2.32764E-05	9.59902E-05	0.000112926
8318	0.000100789	0.000106257	3.08887E-05	9.51812E-05	0.000115856	0.000104044	0.000109192	2.22596E-05	9.51812E-05	0.000112264
8319	0.00010205	0.000107624	3.07922E-05	9.66692E-05	0.000129597	0.00010546	0.00011071	2.20582E-05	9.66692E-05	0.000124796
8320	0.000110865	0.000116966	3.28723E-05	0.000105041	0.000128166	0.000114606	0.000120344	2.34592E-05	0.000105041	0.000123187
8321	0.00012422	0.000131139	3.57752E-05	0.000116687	0.000126829	0.000128161	0.000134618	2.55884E-05	0.000116687	0.000121682
8322	0.000138181	0.000145675	4.23775E-05	0.000125586	0.000125735	0.000141154	0.000148051	3.1588E-05	0.000125586	0.000120452
8323	0.000147273	0.000154753	5.16596E-05	0.000128105	9.54106E-05	0.000148366	0.000155157	4.04898E-05	0.000128105	9.2203E-05
8324	0.000146387	0.000153494	5.5527E-05	0.000124538	6.6669E-05	0.000146411	0.00015283	4.44446E-05	0.000124538	6.57798E-05
8325	0.000143293	0.000150227	5.46417E-05	0.00011901	5.10945E-05	0.000142399	0.000148594	4.3987E-05	0.00011901	5.11951E-05
8326	0.000134733	0.000141402	4.94809E-05	0.000111446	3.69576E-05	0.000133827	0.00013977	3.94143E-05	0.000111446	3.82668E-05
8327	0.000119179	0.000125236	4.17546E-05	0.000101213	3.61964E-05	0.000119273	0.000124737	3.24779E-05	0.000101213	3.74138E-05
8328	0.000106925	0.000112694	3.31702E-05	9.46124E-05	3.57405E-05	0.000108379	0.000113656	2.45486E-05	9.46124E-05	3.6903E-05
8329	9.16429E-05	9.6891E-05	2.45527E-05	8.51895E-05	3.58421E-05	9.43244E-05	9.92103E-05	1.67143E-05	8.51895E-05	3.70262E-05
8330	8.75649E-05	9.27689E-05	2.10385E-05	8.34154E-05	3.60944E-05	9.08609E-05	9.57362E-05	1.34186E-05	8.34154E-05	3.7314E-05
8331	8.48598E-05	8.99706E-05	1.9524E-05	8.20204E-05	3.67148E-05	8.84552E-05	9.32695E-05	1.19831E-05	8.20204E-05	3.80179E-05
8332	8.62807E-05	9.15025E-05	1.95265E-05	8.42598E-05	3.78239E-05	9.02165E-05	9.51574E-05	1.17323E-05	8.42598E-05	3.92693E-05
8333	9.25511E-05	9.80975E-05	2.16472E-05	9.02378E-05	3.92869E-05	9.66963E-05	0.000101948	1.32768E-05	9.02378E-05	4.09122E-05
8334	0.00010302	0.000109107	2.51927E-05	9.8161E-05	3.96464E-05	0.00010689	0.000112593	1.62976E-05	9.8161E-05	4.12637E-05
8335	0.000108247	0.000114416	2.93789E-05	0.000102598	0.000130434	0.000112027	0.000117809	2.01705E-05	0.000102598	0.000125802
8336	0.00010766	0.000113654	3.10449E-05	0.000103088	0.00013026	0.000111667	0.000117325	2.17938E-05	0.000103088	0.00012555
8337	0.000107448	0.000113358	3.18962E-05	0.000102841	0.00013079	0.000111386	0.000116979	2.2547E-05	0.000102841	0.000126138
8338	0.00010594	0.00011167	3.26935E-05	0.000100799	0.000131025	0.000109578	0.000115001	2.34317E-05	0.000100799	0.000126397
8339	0.000104507	0.00011008	3.32635E-05	9.86913E-05	0.000131303	0.000107818	0.000113085	2.41461E-05	9.86913E-05	0.000126707
8340	0.00010295	0.000108472	3.2359E-05	9.73198E-05	0.000116556	0.000106263	0.000111478	2.34128E-05	9.73198E-05	0.000113047
8341	0.000102014	0.000107487	3.20438E-05	9.59902E-05	0.000116446	0.000105162	0.000110318	2.32764E-05	9.59902E-05	0.000112926
8342	0.000100789	0.000106257	3.08887E-05	9.51812E-05	0.000115856	0.000104044	0.000109192	2.22596E-05	9.51812E-05	0.000112264
8343	0.00010205	0.000107624	3.07922E-05	9.66692E-05	0.000129597	0.00010546	0.00011071	2.20582E-05	9.66692E-05	0.000124796
8344	0.000110865	0.000116966	3.28723E-05	0.000105041	0.000128166	0.000114606	0.000120344	2.34592E-05	0.000105041	0.000123187
8345	0.00012422	0.000131139	3.57752E-05	0.000116687	0.000126829	0.000128161	0.000134618	2.55884E-05	0.000116687	0.000121682
8346	0.000138181	0.000145675	4.23775E-05	0.000125586	0.000125735	0.000141154	0.000148051	3.1588E-05	0.000125586	0.000120452
8347	0.000147273	0.000154753	5.16596E-05	0.000128105	9.54106E-05	0.000148366	0.000155157	4.04898E-05	0.000128105	9.2203E-05
8348	0.000146387	0.000153494	5.5527E-05	0.000124538	6.6669E-05	0.000146411	0.00015283	4.44446E-05	0.000124538	6.57798E-05
8349	0.000143293	0.000150227	5.46417E-05	0.00011901	5.10945E-05	0.000142399	0.000148594	4.3987E-05	0.00011901	5.11951E-05
8350	0.000134733	0.000141402	4.94809E-05	0.000111446	3.69576E-05	0.000133827	0.00013977	3.94143E-05	0.000111446	3.82668E-05
8351	0.000119179	0.000125236	4.17546E-05	0.000101213	3.61964E-05	0.000119273	0.000124737	3.24779E-05	0.000101213	3.74138E-05

8352	0.000106925	0.000112694	3.31702E-05	9.46124E-05	3.57405E-05	0.000108379	0.000113656	2.45486E-05	9.46124E-05	3.6903E-05
8353	9.16429E-05	9.6891E-05	2.45527E-05	8.51895E-05	3.58421E-05	9.43244E-05	9.92103E-05	1.67143E-05	8.51895E-05	3.70262E-05
8354	8.75649E-05	9.27689E-05	2.10385E-05	8.34154E-05	3.60944E-05	9.08609E-05	9.57362E-05	1.34186E-05	8.34154E-05	3.7314E-05
8355	8.48598E-05	8.99706E-05	1.9524E-05	8.20204E-05	3.67148E-05	8.84552E-05	9.32695E-05	1.19831E-05	8.20204E-05	3.80179E-05
8356	8.62807E-05	9.15025E-05	1.95265E-05	8.42598E-05	3.78239E-05	9.02165E-05	9.51574E-05	1.17323E-05	8.42598E-05	3.92693E-05
8357	9.25511E-05	9.80975E-05	2.16472E-05	9.02378E-05	3.92869E-05	9.66963E-05	0.000101948	1.32768E-05	9.02378E-05	4.09122E-05
8358	0.00010302	0.000109107	2.51927E-05	9.8161E-05	3.96464E-05	0.00010689	0.000112593	1.62976E-05	9.8161E-05	4.12637E-05
8359	0.000108247	0.000114416	2.93789E-05	0.000102598	0.000130434	0.000112027	0.000117809	2.01705E-05	0.000102598	0.000125802
8360	0.00010766	0.000113654	3.10449E-05	0.000103088	0.00013026	0.000111667	0.000117325	2.17938E-05	0.000103088	0.00012555
8361	0.000107448	0.000113358	3.18962E-05	0.000102841	0.00013079	0.000111386	0.000116979	2.2547E-05	0.000102841	0.000126138
8362	0.00010594	0.00011167	3.26935E-05	0.000100799	0.000131025	0.000109578	0.000115001	2.34317E-05	0.000100799	0.000126397
8363	0.000104507	0.00011008	3.32635E-05	9.86913E-05	0.000131303	0.000107818	0.000113085	2.41461E-05	9.86913E-05	0.000126707
8364	0.00010295	0.000108472	3.2359E-05	9.73198E-05	0.000116556	0.000106263	0.000111478	2.34128E-05	9.73198E-05	0.000113047
8365	0.000102014	0.000107487	3.20438E-05	9.59902E-05	0.000116446	0.000105162	0.000110318	2.32764E-05	9.59902E-05	0.000112926
8366	0.000100789	0.000106257	3.08887E-05	9.51812E-05	0.000115856	0.000104044	0.000109192	2.22596E-05	9.51812E-05	0.000112264
8367	0.00010205	0.000107624	3.07922E-05	9.66692E-05	0.000129597	0.00010546	0.00011071	2.20582E-05	9.66692E-05	0.000124796
8368	0.000110865	0.000116966	3.28723E-05	0.000105041	0.000128166	0.000114606	0.000120344	2.34592E-05	0.000105041	0.000123187
8369	0.00012422	0.000131139	3.57752E-05	0.000116687	0.000126829	0.000128161	0.000134618	2.55884E-05	0.000116687	0.000121682
8370	0.000138181	0.000145675	4.23775E-05	0.000125586	0.000125735	0.000141154	0.000148051	3.1588E-05	0.000125586	0.000120452
8371	0.000147273	0.000154753	5.16596E-05	0.000128105	9.54106E-05	0.000148366	0.000155157	4.04898E-05	0.000128105	9.2203E-05
8372	0.000146387	0.000153494	5.5527E-05	0.000124538	6.6669E-05	0.000146411	0.00015283	4.44446E-05	0.000124538	6.57798E-05
8373	0.000143293	0.000150227	5.46417E-05	0.00011901	5.10945E-05	0.000142399	0.000148594	4.3987E-05	0.00011901	5.11951E-05
8374	0.000134733	0.000141402	4.94809E-05	0.000111446	3.69576E-05	0.000133827	0.00013977	3.94143E-05	0.000111446	3.82668E-05
8375	0.000119179	0.000125236	4.17546E-05	0.000101213	3.61964E-05	0.000119273	0.000124737	3.24779E-05	0.000101213	3.74138E-05
8376	0.000106925	0.000112694	3.31702E-05	9.46124E-05	3.57405E-05	0.000108379	0.000113656	2.45486E-05	9.46124E-05	3.6903E-05
8377	9.16429E-05	9.6891E-05	2.45527E-05	8.51895E-05	3.58421E-05	9.43244E-05	9.92103E-05	1.67143E-05	8.51895E-05	3.70262E-05
8378	8.75649E-05	9.27689E-05	2.10385E-05	8.34154E-05	3.60944E-05	9.08609E-05	9.57362E-05	1.34186E-05	8.34154E-05	3.7314E-05
8379	8.48598E-05	8.99706E-05	1.9524E-05	8.20204E-05	3.67148E-05	8.84552E-05	9.32695E-05	1.19831E-05	8.20204E-05	3.80179E-05
8380	8.62807E-05	9.15025E-05	1.95265E-05	8.42598E-05	3.78239E-05	9.02165E-05	9.51574E-05	1.17323E-05	8.42598E-05	3.92693E-05
8381	9.25511E-05	9.80975E-05	2.16472E-05	9.02378E-05	3.92869E-05	9.66963E-05	0.000101948	1.32768E-05	9.02378E-05	4.09122E-05
8382	0.00010302	0.000109107	2.51927E-05	9.8161E-05	3.96464E-05	0.00010689	0.000112593	1.62976E-05	9.8161E-05	4.12637E-05
8383	0.000108247	0.000114416	2.93789E-05	0.000102598	0.000130434	0.000112027	0.000117809	2.01705E-05	0.000102598	0.000125802
8384	0.00010766	0.000113654	3.10449E-05	0.000103088	0.00013026	0.000111667	0.000117325	2.17938E-05	0.000103088	0.00012555
8385	0.000107448	0.000113358	3.18962E-05	0.000102841	0.00013079	0.000111386	0.000116979	2.2547E-05	0.000102841	0.000126138
8386	0.00010594	0.00011167	3.26935E-05	0.000100799	0.000131025	0.000109578	0.000115001	2.34317E-05	0.000100799	0.000126397
8387	0.000104507	0.00011008	3.32635E-05	9.86913E-05	0.000131303	0.000107818	0.000113085	2.41461E-05	9.86913E-05	0.000126707
8388	0.00010295	0.000108472	3.2359E-05	9.73198E-05	0.000116556	0.000106263	0.000111478	2.34128E-05	9.73198E-05	0.000113047
8389	0.000102014	0.000107487	3.20438E-05	9.59902E-05	0.000116446	0.000105162	0.000110318	2.32764E-05	9.59902E-05	0.000112926
8390	0.000100789	0.000106257	3.08887E-05	9.51812E-05	0.000115856	0.000104044	0.000109192	2.22596E-05	9.51812E-05	0.000112264
8391	0.00010205	0.000107624	3.07922E-05	9.66692E-05	0.000129597	0.00010546	0.00011071	2.20582E-05	9.66692E-05	0.000124796
8392	0.000110865	0.000116966	3.28723E-05	0.000105041	0.000128166	0.000114606	0.000120344	2.34592E-05	0.000105041	0.000123187
8393	0.00012422	0.000131139	3.57752E-05	0.000116687	0.000126829	0.000128161	0.000134618	2.55884E-05	0.000116687	0.000121682
8394	0.000138181	0.000145675	4.23775E-05	0.000125586	0.000125735	0.000141154	0.000148051	3.1588E-05	0.000125586	0.000120452
8395	0.000147273	0.000154753	5.16596E-05	0.000128105	9.54106E-05	0.000148366	0.000155157	4.04898E-05	0.000128105	9.2203E-05
8396	0.000146387	0.000153494	5.5527E-05	0.000124538	6.6669E-05	0.000146411	0.00015283	4.44446E-05	0.000124538	6.57798E-05
8397	0.000143293	0.000150227	5.46417E-05	0.00011901	5.10945E-05	0.000142399	0.000148594	4.3987E-05	0.00011901	5.11951E-05
8398	0.000134733	0.000141402	4.94809E-05	0.000111446	3.69576E-05	0.000133827	0.00013977	3.94143E-05	0.000111446	3.82668E-05
8399	0.000119179	0.000125236	4.17546E-05	0.000101213	3.61964E-05	0.000119273	0.000124737	3.24779E-05	0.000101213	3.74138E-05
8400	0.000106925	0.000112694	3.31702E-05	9.46124E-05	3.57405E-05	0.000108379	0.000113656	2.45486E-05	9.46124E-05	3.6903E-05
8401	9.16429E-05	9.6891E-05	2.45527E-05	8.51895E-05	3.58421E-05	9.43244E-05	9.92103E-05	1.67143E-05	8.51895E-05	3.70262E-05
8402	8.75649E-05	9.27689E-05	2.10385E-05	8.34154E-05	3.60944E-05	9.08609E-05	9.57362E-05	1.34186E-05	8.34154E-05	3.7314E-05
8403	8.48598E-05	8.99706E-05	1.9524E-05	8.20204E-05	3.67148E-05	8.84552E-05	9.32695E-05	1.19831E-05	8.20204E-05	3.80179E-05
8404	8.62807E-05	9.15025E-05	1.95265E-05	8.42598E-05	3.78239E-05	9.02165E-05	9.51574E-05	1.17323E-05	8.42598E-05	3.92693E-05
8405	9.25511E-05	9.80975E-05	2.16472E-05	9.02378E-05	3.92869E-05	9.66963E-05	0.000101948	1.32768E-05	9.02378E-05	4.09122E-05
8406	0.00010302	0.000109107	2.51927E-05	9.8161E-05	3.96464E-05	0.00010689	0.000112593	1.62976E-05	9.8161E-05	4.12637E-05
8407	0.000108247	0.000114416	2.93789E-05	0.000102598	0.000130434	0.000112027	0.000117809	2.01705E-05	0.000102598	0.000125802
8408	0.00010766	0.000113654	3.10449E-05	0.000103088	0.00013026	0.000111667	0.000117325	2.17938E-05	0.000103088	0.00012555
8409	0.000107448	0.000113358	3.18962E-05	0.000102841	0.00013079	0.000111386	0.000116979	2.2547E-05	0.000102841	0.000126138
8410	0.00010594	0.00011167	3.26935E-05	0.000100799	0.000131025	0.000109578	0.000115001	2.34317E-05	0.000100799	0.000126397
8411	0.000104507	0.00011008	3.32635E-05	9.86913E-05	0.000131303	0.000107818	0.000113085	2.41461E-05	9.86913E-05	0.000126707
8412	0.00010295	0.000108472	3.2359E-05	9.73198E-05	0.000116556	0.000106263	0.000111478	2.34128E-05	9.73198E-05	0.000113047
8413	0.000102014	0.000107487	3.20438E-05	9.59902E-05	0.000116446	0.000105162	0.000110318	2.32764E-05	9.59902E-05	0.000112926
8414	0.000100789	0.000106257	3.08887E-05	9.51812E-05	0.000115856	0.000104044	0.000109192	2.22596E-05	9.51812E-05	0.000112264
8415	0.00010205	0.000107624	3.07922E-05	9.66692E-05	0.000129597	0.00010546	0.00011071	2.20582E-05	9.66692E-05	0.000124796
8416	0.000110865	0.000116966	3.28723E-05	0.000105041	0.000128166	0.000114606	0.000120344	2.34592E-05	0.000105041	0.000123187
8417	0.00012422	0.000131139	3.57752E-05	0.000116687	0.000126829	0.000128161	0.000134618	2.55884E-05	0.000116687	0.000121682
8418	0.000138181	0.000145675	4.23775E-05	0.000125586	0.000125735	0.000141154	0.000148051	3.1588E-05	0.000125586	0.000120452
8419	0.000147273	0.000154753	5.16596E-05	0.000128105	9.54106E-05	0.000148366	0.000155157	4.04898E-05	0.000128105	9.2203E-05
8420	0.000146387	0.000153494	5.5527E-05	0.000124538	6.6669E-05	0.000146411	0.00015283	4.44446E-05	0.000124538	6.57798E-05
8421	0.000143293	0.000150227	5.46417E-05	0.00011901	5.10945E-05	0.000142399	0.000148594	4.3987E-05	0.00011901	5.11951E-05
8422	0.000134733	0.000141402	4.94809E-05	0.000111446	3.69576E-05	0.000133827	0.00013977	3.94143E-05	0.000111446	3.82668E-05
8423	0.000119179	0.000125236	4.17546E-05	0.000101213	3.61964E-05	0.000119273	0.000124737	3.24779E-05	0.000101213	3.74138E-05
8424	0.000106925	0.000112694	3.31702E-05	9.46124E-05	3.57405E-05	0.000108379	0.000113656	2.45486E-05	9.46124E-05	3.6903E-05
8425	9.14547E-05	9.66908E-05	2.45173E-05	8.49672E-05	3.57948E-05	9.41155E-05	9.8989E-05	1.67014E-05	8.49672E-05	3.69735E-05
8426	8.63726E-05	9.1501E-05	2.0813E-05	8.20012E-05	3.60812E-05	8.95355E-05	9.43325E-05	1.33373E-05	8.20012E-05	3.72996E-05
8427	8.36872E-05	8.87237E-05	1.93025E-05	8.0632E-05	3.67243E-05	8.71525E-05	9.18898E-05	1.19029E-05	8.0632E-05	3.8029E-05

8428	8.5142E-05	9.02912E-05	1.93158E-05	8.29471E-05	3.77996E-05	8.8962E-05	9.3829E-05	1.16506E-05	8.29471E-05	3.92421E-05
8429	9.14188E-05	9.68927E-05	2.14416E-05	8.89638E-05	3.92382E-05	9.54581E-05	0.000100637	1.31922E-05	8.89638E-05	4.08577E-05
8430	0.00010191	0.000107927	2.49897E-05	9.69015E-05	3.9555E-05	0.000105674	0.000111305	1.62159E-05	9.69015E-05	4.11608E-05
8431	0.000108679	0.000114895	2.92182E-05	0.000101463	0.000130332	0.000112006	0.00011779	2.01271E-05	0.000101463	0.000125687
8432	0.0001062	0.0001121	3.07862E-05	0.000101499	0.000130131	0.000110086	0.000115652	2.1679E-05	0.000101499	0.000125405
8433	0.00010557	0.000111359	3.15652E-05	0.000100811	0.000130632	0.000109358	0.000114832	2.23978E-05	0.000100811	0.000125959
8434	0.000103525	0.000109099	3.22703E-05	9.8208E-05	0.000130881	0.000106975	0.000112246	2.32378E-05	9.8208E-05	0.000126235
8435	0.000101805	0.000107203	3.27893E-05	9.57872E-05	0.000131205	0.000104903	0.000110001	2.39295E-05	9.57872E-05	0.000126597
8436	0.000100156	0.000105498	3.18662E-05	9.42967E-05	0.000116452	0.000103243	0.000108283	2.3191E-05	9.42967E-05	0.00011293
8437	9.92005E-05	0.000104493	3.15429E-05	9.2908E-05	0.00011632	0.000102111	0.000107088	2.30573E-05	9.2908E-05	0.000112784
8438	9.81014E-05	0.000103396	3.04185E-05	9.23038E-05	0.000115742	0.000101148	0.000106128	2.2043E-05	9.23038E-05	0.000112135
8439	9.96249E-05	0.000105043	3.03649E-05	9.40487E-05	0.000129498	0.000102841	0.000107938	2.18655E-05	9.40487E-05	0.000124685
8440	0.0001088	0.000114769	3.24993E-05	0.000102735	0.000128102	0.000112353	0.000117959	2.33031E-05	0.000102735	0.000123114
8441	0.000122357	0.000129157	3.54299E-05	0.000114534	0.000126742	0.000126107	0.000132443	2.54552E-05	0.000114534	0.000121583
8442	0.00013645	0.000143833	4.20604E-05	0.000123617	0.000125639	0.000139254	0.00014604	3.1461E-05	0.000123617	0.000120343
8443	0.000145645	0.000153021	5.13536E-05	0.000126189	9.52708E-05	0.000146561	0.000153246	4.03772E-05	0.000126189	9.20456E-05
8444	0.000145016	0.000152038	5.52593E-05	0.000122843	6.65629E-05	0.000144867	0.000151194	4.43587E-05	0.000122843	6.56605E-05
8445	0.000140515	0.000147254	5.43611E-05	0.000117382	5.10439E-05	0.000139817	0.000145858	4.38684E-05	0.000117382	5.11389E-05
8446	0.000133573	0.000140168	4.92577E-05	0.000110039	3.69494E-05	0.000132527	0.000138394	3.93384E-05	0.000110039	3.82584E-05
8447	0.000118166	0.000124158	4.15689E-05	0.000100059	3.6204E-05	0.000118162	0.00012356	3.24038E-05	0.000100059	3.7423E-05
8448	0.000106317	0.000112047	3.30638E-05	9.39615E-05	3.58291E-05	0.000107724	0.000112963	2.44996E-05	9.39615E-05	3.70036E-05
8449	9.14547E-05	9.66908E-05	2.45173E-05	8.49672E-05	3.57948E-05	9.41155E-05	9.8989E-05	1.67014E-05	8.49672E-05	3.69735E-05
8450	8.63726E-05	9.1501E-05	2.0813E-05	8.20012E-05	3.60812E-05	8.95355E-05	9.43325E-05	1.33373E-05	8.20012E-05	3.72996E-05
8451	8.36872E-05	8.87237E-05	1.93025E-05	8.0632E-05	3.67243E-05	8.71525E-05	9.18898E-05	1.19029E-05	8.0632E-05	3.8029E-05
8452	8.5142E-05	9.02912E-05	1.93158E-05	8.29471E-05	3.77996E-05	8.8962E-05	9.3829E-05	1.16506E-05	8.29471E-05	3.92421E-05
8453	9.14188E-05	9.68927E-05	2.14416E-05	8.89638E-05	3.92382E-05	9.54581E-05	0.000100637	1.31922E-05	8.89638E-05	4.08577E-05
8454	0.00010191	0.000107927	2.49897E-05	9.69015E-05	3.9555E-05	0.000105674	0.000111305	1.62159E-05	9.69015E-05	4.11608E-05
8455	0.000108679	0.000114895	2.92182E-05	0.000101463	0.000130332	0.000112006	0.00011779	2.01271E-05	0.000101463	0.000125687
8456	0.0001062	0.0001121	3.07862E-05	0.000101499	0.000130131	0.000110086	0.000115652	2.1679E-05	0.000101499	0.000125405
8457	0.00010557	0.000111359	3.15652E-05	0.000100811	0.000130632	0.000109358	0.000114832	2.23978E-05	0.000100811	0.000125959
8458	0.000103525	0.000109099	3.22703E-05	9.8208E-05	0.000130881	0.000106975	0.000112246	2.32378E-05	9.8208E-05	0.000126235
8459	0.000101805	0.000107203	3.27893E-05	9.57872E-05	0.000131205	0.000104903	0.000110001	2.39295E-05	9.57872E-05	0.000126597
8460	0.000100156	0.000105498	3.18662E-05	9.42967E-05	0.000116452	0.000103243	0.000108283	2.3191E-05	9.42967E-05	0.00011293
8461	9.92005E-05	0.000104493	3.15429E-05	9.2908E-05	0.00011632	0.000102111	0.000107088	2.30573E-05	9.2908E-05	0.000112784
8462	9.81014E-05	0.000103396	3.04185E-05	9.23038E-05	0.000115742	0.000101148	0.000106128	2.2043E-05	9.23038E-05	0.000112135
8463	9.96249E-05	0.000105043	3.03649E-05	9.40487E-05	0.000129498	0.000102841	0.000107938	2.18655E-05	9.40487E-05	0.000124685
8464	0.0001088	0.000114769	3.24993E-05	0.000102735	0.000128102	0.000112353	0.000117959	2.33031E-05	0.000102735	0.000123114
8465	0.000122357	0.000129157	3.54299E-05	0.000114534	0.000126742	0.000126107	0.000132443	2.54552E-05	0.000114534	0.000121583
8466	0.00013645	0.000143833	4.20604E-05	0.000123617	0.000125639	0.000139254	0.00014604	3.1461E-05	0.000123617	0.000120343
8467	0.000145645	0.000153021	5.13536E-05	0.000126189	9.52708E-05	0.000146561	0.000153246	4.03772E-05	0.000126189	9.20456E-05
8468	0.000145016	0.000152038	5.52593E-05	0.000122843	6.65629E-05	0.000144867	0.000151194	4.43587E-05	0.000122843	6.56605E-05
8469	0.000140515	0.000147254	5.43611E-05	0.000117382	5.10439E-05	0.000139817	0.000145858	4.38684E-05	0.000117382	5.11389E-05
8470	0.000133573	0.000140168	4.92577E-05	0.000110039	3.69494E-05	0.000132527	0.000138394	3.93384E-05	0.000110039	3.82584E-05
8471	0.000118166	0.000124158	4.15689E-05	0.000100059	3.6204E-05	0.000118162	0.00012356	3.24038E-05	0.000100059	3.7423E-05
8472	0.000106317	0.000112047	3.30638E-05	9.39615E-05	3.58291E-05	0.000107724	0.000112963	2.44996E-05	9.39615E-05	3.70036E-05
8473	9.16429E-05	9.6891E-05	2.45527E-05	8.51895E-05	3.58421E-05	9.43244E-05	9.92103E-05	1.67143E-05	8.51895E-05	3.70262E-05
8474	8.75649E-05	9.27689E-05	2.10385E-05	8.34154E-05	3.60944E-05	9.08609E-05	9.57362E-05	1.34186E-05	8.34154E-05	3.7314E-05
8475	8.48598E-05	8.99706E-05	1.9524E-05	8.20204E-05	3.67148E-05	8.84552E-05	9.32695E-05	1.19831E-05	8.20204E-05	3.80179E-05
8476	8.62807E-05	9.15025E-05	1.95265E-05	8.42598E-05	3.78239E-05	9.02165E-05	9.51574E-05	1.17323E-05	8.42598E-05	3.92693E-05
8477	9.25511E-05	9.80975E-05	2.16472E-05	9.02378E-05	3.92869E-05	9.66963E-05	0.000101948	1.32768E-05	9.02378E-05	4.09122E-05
8478	0.00010302	0.000109107	2.51927E-05	9.8161E-05	3.96464E-05	0.00010689	0.000112593	1.62976E-05	9.8161E-05	4.12637E-05
8479	0.000108247	0.000114416	2.93789E-05	0.000102598	0.000130434	0.000112027	0.000117809	2.01705E-05	0.000102598	0.000125802
8480	0.00010766	0.000113654	3.10449E-05	0.000103088	0.00013026	0.000111667	0.000117325	2.17938E-05	0.000103088	0.00012555
8481	0.000107448	0.000113358	3.18962E-05	0.000102841	0.00013079	0.000111386	0.000116979	2.2547E-05	0.000102841	0.000126138
8482	0.00010594	0.00011167	3.26935E-05	0.000100799	0.000131025	0.000109578	0.000115001	2.34317E-05	0.000100799	0.000126397
8483	0.000104507	0.00011008	3.32635E-05	9.86913E-05	0.000131303	0.000107818	0.000113085	2.41461E-05	9.86913E-05	0.000126707
8484	0.00010295	0.000108472	3.2359E-05	9.73198E-05	0.000116556	0.000106263	0.000111478	2.34128E-05	9.73198E-05	0.000113047
8485	0.000102014	0.000107487	3.20438E-05	9.59902E-05	0.000116446	0.000105162	0.000110318	2.32764E-05	9.59902E-05	0.000112926
8486	0.000100789	0.000106257	3.08887E-05	9.51812E-05	0.000115856	0.000104044	0.000109192	2.22596E-05	9.51812E-05	0.000112264
8487	0.00010205	0.000107624	3.07922E-05	9.66692E-05	0.000129597	0.00010546	0.00011071	2.20582E-05	9.66692E-05	0.000124796
8488	0.000110865	0.000116966	3.28723E-05	0.000105041	0.000128166	0.000114606	0.000120344	2.34592E-05	0.000105041	0.000123187
8489	0.00012422	0.000131139	3.57752E-05	0.000116687	0.000126829	0.000128161	0.000134618	2.55884E-05	0.000116687	0.000121682
8490	0.000138181	0.000145675	4.23775E-05	0.000125586	0.000125735	0.000141154	0.000148051	3.1588E-05	0.000125586	0.000120452
8491	0.000147273	0.000154753	5.16596E-05	0.000128105	9.54106E-05	0.000148366	0.000155157	4.04898E-05	0.000128105	9.2203E-05
8492	0.000146387	0.000153494	5.5527E-05	0.000124538	6.6669E-05	0.000146411	0.00015283	4.44446E-05	0.000124538	6.57798E-05
8493	0.000143293	0.000150227	5.46417E-05	0.00011901	5.10945E-05	0.000142399	0.000148594	4.3987E-05	0.00011901	5.11951E-05
8494	0.000134733	0.000141402	4.94809E-05	0.000111446	3.69576E-05	0.000133827	0.00013977	3.94143E-05	0.000111446	3.82668E-05
8495	0.000119179	0.000125236	4.17546E-05	0.000101213	3.61964E-05	0.000119273	0.000124737	3.24779E-05	0.000101213	3.74138E-05
8496	0.000106925	0.000112694	3.31702E-05	9.46124E-05	3.57405E-05	0.000108379	0.000113656	2.45486E-05	9.46124E-05	3.6903E-05
8497	9.16429E-05	9.6891E-05	2.45527E-05	8.51895E-05	3.58421E-05	9.43244E-05	9.92103E-05	1.67143E-05	8.51895E-05	3.70262E-05
8498	8.75649E-05	9.27689E-05	2.10385E-05	8.34154E-05	3.60944E-05	9.08609E-05	9.57362E-05	1.34186E-05	8.34154E-05	3.7314E-05
8499	8.48598E-05	8.99706E-05	1.9524E-05	8.20204E-05	3.67148E-05	8.84552E-05	9.32695E-05	1.19831E-05	8.20204E-05	3.80179E-05
8500	8.62807E-05	9.15025E-05	1.95265E-05	8.42598E-05	3.78239E-05	9.02165E-05	9.51574E-05	1.17323E-05	8.42598E-05	3.92693E-05
8501	9.25511E-05	9.80975E-05	2.16472E-05	9.02378E-05	3.92869E-05	9.66963E-05	0.000101948	1.32768E-05	9.02378E-05	4.09122E-05
8502	0.00010302	0.000109107	2.51927E-05	9.8161E-05	3.96464E-05	0.00010689	0.000112593	1.62976E-05	9.8161E-05	4.12637E-05
8503	0.000108247	0.000114416	2.93789E-05	0.000102598	0.000130434	0.000112027	0.000117809	2.01705E-05	0.000102598	0.000125802

8504	0.00010766	0.000113654	3.10449E-05	0.000103088	0.00013026	0.000111667	0.000117325	2.17938E-05	0.000103088	0.00012555
8505	0.000107448	0.000113358	3.18962E-05	0.000102841	0.00013079	0.000111386	0.000116979	2.2547E-05	0.000102841	0.000126138
8506	0.00010594	0.00011167	3.26935E-05	0.000100799	0.000131025	0.000109578	0.000115001	2.34317E-05	0.000100799	0.000126397
8507	0.000104507	0.00011008	3.32635E-05	9.86913E-05	0.000131303	0.000107818	0.000113085	2.41461E-05	9.86913E-05	0.000126707
8508	0.00010295	0.000108472	3.2359E-05	9.73198E-05	0.000116556	0.000106263	0.000111478	2.34128E-05	9.73198E-05	0.000113047
8509	0.000102014	0.000107487	3.20438E-05	9.59902E-05	0.000116446	0.000105162	0.000110318	2.32764E-05	9.59902E-05	0.000112926
8510	0.000100789	0.000106257	3.08887E-05	9.51812E-05	0.000115856	0.000104044	0.000109192	2.22596E-05	9.51812E-05	0.000112264
8511	0.00010205	0.000107624	3.07922E-05	9.66692E-05	0.000129597	0.00010546	0.00011071	2.20582E-05	9.66692E-05	0.000124796
8512	0.000110865	0.000116966	3.28723E-05	0.000105041	0.000128166	0.000114606	0.000120344	2.34592E-05	0.000105041	0.000123187
8513	0.00012422	0.000131139	3.57752E-05	0.000116687	0.000126829	0.000128161	0.000134618	2.55884E-05	0.000116687	0.000121682
8514	0.000138181	0.000145675	4.23775E-05	0.000125586	0.000125735	0.000141154	0.000148051	3.1588E-05	0.000125586	0.000120452
8515	0.000147273	0.000154753	5.16596E-05	0.000128105	9.54106E-05	0.000148366	0.000155157	4.04898E-05	0.000128105	9.2203E-05
8516	0.000146387	0.000153494	5.5527E-05	0.000124538	6.6669E-05	0.000146411	0.00015283	4.44446E-05	0.000124538	6.57798E-05
8517	0.000143293	0.000150227	5.46417E-05	0.00011901	5.10945E-05	0.000142399	0.000148594	4.3987E-05	0.00011901	5.11951E-05
8518	0.000134733	0.000141402	4.94809E-05	0.000111446	3.69576E-05	0.000133827	0.00013977	3.94143E-05	0.000111446	3.82668E-05
8519	0.000119179	0.000125236	4.17546E-05	0.000101213	3.61964E-05	0.000119273	0.000124737	3.24779E-05	0.000101213	3.74138E-05
8520	0.000106925	0.000112694	3.31702E-05	9.46124E-05	3.57405E-05	0.000108379	0.000113656	2.45486E-05	9.46124E-05	3.6903E-05
8521	9.16429E-05	9.6891E-05	2.45527E-05	8.51895E-05	3.58421E-05	9.43244E-05	9.92103E-05	1.67143E-05	8.51895E-05	3.70262E-05
8522	8.75649E-05	9.27689E-05	2.10385E-05	8.34154E-05	3.60944E-05	9.08609E-05	9.57362E-05	1.34186E-05	8.34154E-05	3.7314E-05
8523	8.48598E-05	8.99706E-05	1.9524E-05	8.20204E-05	3.67148E-05	8.84552E-05	9.32695E-05	1.19831E-05	8.20204E-05	3.80179E-05
8524	8.62807E-05	9.15025E-05	1.95265E-05	8.42598E-05	3.78239E-05	9.02165E-05	9.51574E-05	1.17323E-05	8.42598E-05	3.92693E-05
8525	9.25511E-05	9.80975E-05	2.16472E-05	9.02378E-05	3.92869E-05	9.66963E-05	0.000101948	1.32768E-05	9.02378E-05	4.09122E-05
8526	0.00010302	0.000109107	2.51927E-05	9.8161E-05	3.96464E-05	0.00010689	0.000112593	1.62976E-05	9.8161E-05	4.12637E-05
8527	0.000108247	0.000114416	2.93789E-05	0.000102598	0.000130434	0.000112027	0.000117809	2.01705E-05	0.000102598	0.000125802
8528	0.00010766	0.000113654	3.10449E-05	0.000103088	0.00013026	0.000111667	0.000117325	2.17938E-05	0.000103088	0.00012555
8529	0.000107448	0.000113358	3.18962E-05	0.000102841	0.00013079	0.000111386	0.000116979	2.2547E-05	0.000102841	0.000126138
8530	0.00010594	0.00011167	3.26935E-05	0.000100799	0.000131025	0.000109578	0.000115001	2.34317E-05	0.000100799	0.000126397
8531	0.000104507	0.00011008	3.32635E-05	9.86913E-05	0.000131303	0.000107818	0.000113085	2.41461E-05	9.86913E-05	0.000126707
8532	0.00010295	0.000108472	3.2359E-05	9.73198E-05	0.000116556	0.000106263	0.000111478	2.34128E-05	9.73198E-05	0.000113047
8533	0.000102014	0.000107487	3.20438E-05	9.59902E-05	0.000116446	0.000105162	0.000110318	2.32764E-05	9.59902E-05	0.000112926
8534	0.000100789	0.000106257	3.08887E-05	9.51812E-05	0.000115856	0.000104044	0.000109192	2.22596E-05	9.51812E-05	0.000112264
8535	0.00010205	0.000107624	3.07922E-05	9.66692E-05	0.000129597	0.00010546	0.00011071	2.20582E-05	9.66692E-05	0.000124796
8536	0.000110865	0.000116966	3.28723E-05	0.000105041	0.000128166	0.000114606	0.000120344	2.34592E-05	0.000105041	0.000123187
8537	0.00012422	0.000131139	3.57752E-05	0.000116687	0.000126829	0.000128161	0.000134618	2.55884E-05	0.000116687	0.000121682
8538	0.000138181	0.000145675	4.23775E-05	0.000125586	0.000125735	0.000141154	0.000148051	3.1588E-05	0.000125586	0.000120452
8539	0.000147273	0.000154753	5.16596E-05	0.000128105	9.54106E-05	0.000148366	0.000155157	4.04898E-05	0.000128105	9.2203E-05
8540	0.000146387	0.000153494	5.5527E-05	0.000124538	6.6669E-05	0.000146411	0.00015283	4.44446E-05	0.000124538	6.57798E-05
8541	0.000143293	0.000150227	5.46417E-05	0.00011901	5.10945E-05	0.000142399	0.000148594	4.3987E-05	0.00011901	5.11951E-05
8542	0.000134733	0.000141402	4.94809E-05	0.000111446	3.69576E-05	0.000133827	0.00013977	3.94143E-05	0.000111446	3.82668E-05
8543	0.000119179	0.000125236	4.17546E-05	0.000101213	3.61964E-05	0.000119273	0.000124737	3.24779E-05	0.000101213	3.74138E-05
8544	0.000106925	0.000112694	3.31702E-05	9.46124E-05	3.57405E-05	0.000108379	0.000113656	2.45486E-05	9.46124E-05	3.6903E-05
8545	9.16429E-05	9.6891E-05	2.45527E-05	8.51895E-05	3.58421E-05	9.43244E-05	9.92103E-05	1.67143E-05	8.51895E-05	3.70262E-05
8546	8.75649E-05	9.27689E-05	2.10385E-05	8.34154E-05	3.60944E-05	9.08609E-05	9.57362E-05	1.34186E-05	8.34154E-05	3.7314E-05
8547	8.48598E-05	8.99706E-05	1.9524E-05	8.20204E-05	3.67148E-05	8.84552E-05	9.32695E-05	1.19831E-05	8.20204E-05	3.80179E-05
8548	8.62807E-05	9.15025E-05	1.95265E-05	8.42598E-05	3.78239E-05	9.02165E-05	9.51574E-05	1.17323E-05	8.42598E-05	3.92693E-05
8549	9.25511E-05	9.80975E-05	2.16472E-05	9.02378E-05	3.92869E-05	9.66963E-05	0.000101948	1.32768E-05	9.02378E-05	4.09122E-05
8550	0.00010302	0.000109107	2.51927E-05	9.8161E-05	3.96464E-05	0.00010689	0.000112593	1.62976E-05	9.8161E-05	4.12637E-05
8551	0.000108247	0.000114416	2.93789E-05	0.000102598	0.000130434	0.000112027	0.000117809	2.01705E-05	0.000102598	0.000125802
8552	0.00010766	0.000113654	3.10449E-05	0.000103088	0.00013026	0.000111667	0.000117325	2.17938E-05	0.000103088	0.00012555
8553	0.000107448	0.000113358	3.18962E-05	0.000102841	0.00013079	0.000111386	0.000116979	2.2547E-05	0.000102841	0.000126138
8554	0.00010594	0.00011167	3.26935E-05	0.000100799	0.000131025	0.000109578	0.000115001	2.34317E-05	0.000100799	0.000126397
8555	0.000104507	0.00011008	3.32635E-05	9.86913E-05	0.000131303	0.000107818	0.000113085	2.41461E-05	9.86913E-05	0.000126707
8556	0.00010295	0.000108472	3.2359E-05	9.73198E-05	0.000116556	0.000106263	0.000111478	2.34128E-05	9.73198E-05	0.000113047
8557	0.000102014	0.000107487	3.20438E-05	9.59902E-05	0.000116446	0.000105162	0.000110318	2.32764E-05	9.59902E-05	0.000112926
8558	0.000100789	0.000106257	3.08887E-05	9.51812E-05	0.000115856	0.000104044	0.000109192	2.22596E-05	9.51812E-05	0.000112264
8559	0.00010205	0.000107624	3.07922E-05	9.66692E-05	0.000129597	0.00010546	0.00011071	2.20582E-05	9.66692E-05	0.000124796
8560	0.000110865	0.000116966	3.28723E-05	0.000105041	0.000128166	0.000114606	0.000120344	2.34592E-05	0.000105041	0.000123187
8561	0.00012422	0.000131139	3.57752E-05	0.000116687	0.000126829	0.000128161	0.000134618	2.55884E-05	0.000116687	0.000121682
8562	0.000138181	0.000145675	4.23775E-05	0.000125586	0.000125735	0.000141154	0.000148051	3.1588E-05	0.000125586	0.000120452
8563	0.000147273	0.000154753	5.16596E-05	0.000128105	9.54106E-05	0.000148366	0.000155157	4.04898E-05	0.000128105	9.2203E-05
8564	0.000146387	0.000153494	5.5527E-05	0.000124538	6.6669E-05	0.000146411	0.00015283	4.44446E-05	0.000124538	6.57798E-05
8565	0.000143293	0.000150227	5.46417E-05	0.00011901	5.10945E-05	0.000142399	0.000148594	4.3987E-05	0.00011901	5.11951E-05
8566	0.000134733	0.000141402	4.94809E-05	0.000111446	3.69576E-05	0.000133827	0.00013977	3.94143E-05	0.000111446	3.82668E-05
8567	0.000119179	0.000125236	4.17546E-05	0.000101213	3.61964E-05	0.000119273	0.000124737	3.24779E-05	0.000101213	3.74138E-05
8568	0.000106925	0.000112694	3.31702E-05	9.46124E-05	3.57405E-05	0.000108379	0.000113656	2.45486E-05	9.46124E-05	3.6903E-05
8569	9.16429E-05	9.6891E-05	2.45527E-05	8.51895E-05	3.58421E-05	9.43244E-05	9.92103E-05	1.67143E-05	8.51895E-05	3.70262E-05
8570	8.75649E-05	9.27689E-05	2.10385E-05	8.34154E-05	3.60944E-05	9.08609E-05	9.57362E-05	1.34186E-05	8.34154E-05	3.7314E-05
8571	8.48598E-05	8.99706E-05	1.9524E-05	8.20204E-05	3.67148E-05	8.84552E-05	9.32695E-05	1.19831E-05	8.20204E-05	3.80179E-05
8572	8.62807E-05	9.15025E-05	1.95265E-05	8.42598E-05	3.78239E-05	9.02165E-05	9.51574E-05	1.17323E-05	8.42598E-05	3.92693E-05
8573	9.25511E-05	9.80975E-05	2.16472E-05	9.02378E-05	3.92869E-05	9.66963E-05	0.000101948	1.32768E-05	9.02378E-05	4.09122E-05
8574	0.00010302	0.000109107	2.51927E-05	9.8161E-05	3.96464E-05	0.00010689	0.000112593	1.62976E-05	9.8161E-05	4.12637E-05
8575	0.000108247	0.000114416	2.93789E-05	0.000102598	0.000130434	0.000112027	0.000117809	2.01705E-05	0.000102598	0.000125802
8576	0.00010766	0.000113654	3.10449E-05	0.000103088	0.00013026	0.000111667	0.000117325	2.17938E-05	0.000103088	0.00012555
8577	0.000107448	0.000113358	3.18962E-05	0.000102841	0.00013079	0.000111386	0.000116979	2.2547E-05	0.000102841	0.000126138
8578	0.00010594	0.00011167	3.26935E-05	0.000100799	0.000131025	0.000109578	0.000115001	2.34317E-05	0.000100799	0.000126397
8579	0.000104507	0.00011008	3.32635E-05	9.86913E-05	0.000131303	0.000107818	0.000113085	2.41461E-05	9.86913E-05	0.000126707

8580	0.00010295	0.000108472	3.2359E-05	9.73198E-05	0.000116556	0.000106263	0.000111478	2.34128E-05	9.73198E-05	0.000113047
8581	0.000102014	0.000107487	3.20438E-05	9.59902E-05	0.000116446	0.000105162	0.000110318	2.32764E-05	9.59902E-05	0.000112926
8582	0.000100789	0.000106257	3.08887E-05	9.51812E-05	0.000115856	0.000104044	0.000109192	2.22596E-05	9.51812E-05	0.000112264
8583	0.00010205	0.000107624	3.07922E-05	9.66692E-05	0.000129597	0.00010546	0.00011071	2.20582E-05	9.66692E-05	0.000124796
8584	0.000110865	0.000116966	3.28723E-05	0.000105041	0.000128166	0.000114606	0.000120344	2.34592E-05	0.000105041	0.000123187
8585	0.00012422	0.000131139	3.57752E-05	0.000116687	0.000126829	0.000128161	0.000134618	2.55884E-05	0.000116687	0.000121682
8586	0.000138181	0.000145675	4.23775E-05	0.000125586	0.000125735	0.000141154	0.000148051	3.1588E-05	0.000125586	0.000120452
8587	0.000147273	0.000154753	5.16596E-05	0.000128105	9.54106E-05	0.000148366	0.000155157	4.04898E-05	0.000128105	9.2203E-05
8588	0.000146387	0.000153494	5.5527E-05	0.000124538	6.6669E-05	0.000146411	0.00015283	4.44446E-05	0.000124538	6.57798E-05
8589	0.000143293	0.000150227	5.46417E-05	0.00011901	5.10945E-05	0.000142399	0.000148594	4.3987E-05	0.00011901	5.11951E-05
8590	0.000134733	0.000141402	4.94809E-05	0.000111446	3.69576E-05	0.000133827	0.00013977	3.94143E-05	0.000111446	3.82668E-05
8591	0.000119179	0.000125236	4.17546E-05	0.000101213	3.61964E-05	0.000119273	0.000124737	3.24779E-05	0.000101213	3.74138E-05
8592	0.000106925	0.000112694	3.31702E-05	9.46124E-05	3.57405E-05	0.000108379	0.000113656	2.45486E-05	9.46124E-05	3.6903E-05
8593	9.14547E-05	9.66908E-05	2.45173E-05	8.49672E-05	3.57948E-05	9.41155E-05	9.8989E-05	1.67014E-05	8.49672E-05	3.69735E-05
8594	8.63726E-05	9.1501E-05	2.0813E-05	8.20012E-05	3.60812E-05	8.95355E-05	9.43325E-05	1.33373E-05	8.20012E-05	3.72996E-05
8595	8.36872E-05	8.87237E-05	1.93025E-05	8.0632E-05	3.67243E-05	8.71525E-05	9.18898E-05	1.19029E-05	8.0632E-05	3.8029E-05
8596	8.5142E-05	9.02912E-05	1.93158E-05	8.29471E-05	3.77996E-05	8.8962E-05	9.3829E-05	1.16506E-05	8.29471E-05	3.92421E-05
8597	9.14188E-05	9.68927E-05	2.14416E-05	8.89638E-05	3.92382E-05	9.54581E-05	0.000100637	1.31922E-05	8.89638E-05	4.08577E-05
8598	0.00010191	0.000107927	2.49897E-05	9.69015E-05	3.9555E-05	0.000105674	0.000111305	1.62159E-05	9.69015E-05	4.11608E-05
8599	0.000108679	0.000114895	2.92182E-05	0.000101463	0.000130332	0.000112006	0.00011779	2.01271E-05	0.000101463	0.000125687
8600	0.0001062	0.0001121	3.07862E-05	0.000101499	0.000130131	0.000110086	0.000115652	2.1679E-05	0.000101499	0.000125405
8601	0.00010557	0.000111359	3.15652E-05	0.000100811	0.000130632	0.000109358	0.000114832	2.23978E-05	0.000100811	0.000125959
8602	0.000103525	0.000109099	3.22703E-05	9.8208E-05	0.000130881	0.000106975	0.000112246	2.32378E-05	9.8208E-05	0.000126235
8603	0.000101805	0.000107203	3.27893E-05	9.57872E-05	0.000131205	0.000104903	0.000110001	2.39295E-05	9.57872E-05	0.000126597
8604	0.000100156	0.000105498	3.18662E-05	9.42967E-05	0.000116452	0.000103243	0.000108283	2.3191E-05	9.42967E-05	0.00011293
8605	9.92005E-05	0.000104493	3.15429E-05	9.2908E-05	0.00011632	0.000102111	0.000107088	2.30573E-05	9.2908E-05	0.000112784
8606	9.81014E-05	0.000103396	3.04185E-05	9.23038E-05	0.000115742	0.000101148	0.000106128	2.2043E-05	9.23038E-05	0.000112135
8607	9.96249E-05	0.000105043	3.03649E-05	9.40487E-05	0.000129498	0.000102841	0.000107938	2.18655E-05	9.40487E-05	0.000124685
8608	0.0001088	0.000114769	3.24993E-05	0.000102735	0.000128102	0.000112353	0.000117959	2.33031E-05	0.000102735	0.000123114
8609	0.000122357	0.000129157	3.54299E-05	0.000114534	0.000126742	0.000126107	0.000132443	2.54552E-05	0.000114534	0.000121583
8610	0.00013645	0.000143833	4.20604E-05	0.000123617	0.000125639	0.000139254	0.00014604	3.1461E-05	0.000123617	0.000120343
8611	0.000145645	0.000153021	5.13536E-05	0.000126189	9.52708E-05	0.000146561	0.000153246	4.03772E-05	0.000126189	9.20456E-05
8612	0.000145016	0.000152038	5.52593E-05	0.000122843	6.65629E-05	0.000144867	0.000151194	4.43587E-05	0.000122843	6.56605E-05
8613	0.000140515	0.000147254	5.43611E-05	0.000117382	5.10439E-05	0.000139817	0.000145858	4.38684E-05	0.000117382	5.11389E-05
8614	0.000133573	0.000140168	4.92577E-05	0.000110039	3.69494E-05	0.000132527	0.000138394	3.93384E-05	0.000110039	3.82584E-05
8615	0.000118166	0.000124158	4.15689E-05	0.000100059	3.6204E-05	0.000118162	0.00012356	3.24038E-05	0.000100059	3.7423E-05
8616	0.000106317	0.000112047	3.30638E-05	9.39615E-05	3.58291E-05	0.000107724	0.000112963	2.44996E-05	9.39615E-05	3.70036E-05
8617	9.14547E-05	9.66908E-05	2.45173E-05	8.49672E-05	3.57948E-05	9.41155E-05	9.8989E-05	1.67014E-05	8.49672E-05	3.69735E-05
8618	8.63726E-05	9.1501E-05	2.0813E-05	8.20012E-05	3.60812E-05	8.95355E-05	9.43325E-05	1.33373E-05	8.20012E-05	3.72996E-05
8619	8.36872E-05	8.87237E-05	1.93025E-05	8.0632E-05	3.67243E-05	8.71525E-05	9.18898E-05	1.19029E-05	8.0632E-05	3.8029E-05
8620	8.5142E-05	9.02912E-05	1.93158E-05	8.29471E-05	3.77996E-05	8.8962E-05	9.3829E-05	1.16506E-05	8.29471E-05	3.92421E-05
8621	9.14188E-05	9.68927E-05	2.14416E-05	8.89638E-05	3.92382E-05	9.54581E-05	0.000100637	1.31922E-05	8.89638E-05	4.08577E-05
8622	0.00010191	0.000107927	2.49897E-05	9.69015E-05	3.9555E-05	0.000105674	0.000111305	1.62159E-05	9.69015E-05	4.11608E-05
8623	0.000108679	0.000114895	2.92182E-05	0.000101463	0.000130332	0.000112006	0.00011779	2.01271E-05	0.000101463	0.000125687
8624	0.0001062	0.0001121	3.07862E-05	0.000101499	0.000130131	0.000110086	0.000115652	2.1679E-05	0.000101499	0.000125405
8625	0.00010557	0.000111359	3.15652E-05	0.000100811	0.000130632	0.000109358	0.000114832	2.23978E-05	0.000100811	0.000125959
8626	0.000103525	0.000109099	3.22703E-05	9.8208E-05	0.000130881	0.000106975	0.000112246	2.32378E-05	9.8208E-05	0.000126235
8627	0.000101805	0.000107203	3.27893E-05	9.57872E-05	0.000131205	0.000104903	0.000110001	2.39295E-05	9.57872E-05	0.000126597
8628	0.000100156	0.000105498	3.18662E-05	9.42967E-05	0.000116452	0.000103243	0.000108283	2.3191E-05	9.42967E-05	0.00011293
8629	9.92005E-05	0.000104493	3.15429E-05	9.2908E-05	0.00011632	0.000102111	0.000107088	2.30573E-05	9.2908E-05	0.000112784
8630	9.81014E-05	0.000103396	3.04185E-05	9.23038E-05	0.000115742	0.000101148	0.000106128	2.2043E-05	9.23038E-05	0.000112135
8631	9.96249E-05	0.000105043	3.03649E-05	9.40487E-05	0.000129498	0.000102841	0.000107938	2.18655E-05	9.40487E-05	0.000124685
8632	0.0001088	0.000114769	3.24993E-05	0.000102735	0.000128102	0.000112353	0.000117959	2.33031E-05	0.000102735	0.000123114
8633	0.000122357	0.000129157	3.54299E-05	0.000114534	0.000126742	0.000126107	0.000132443	2.54552E-05	0.000114534	0.000121583
8634	0.00013645	0.000143833	4.20604E-05	0.000123617	0.000125639	0.000139254	0.00014604	3.1461E-05	0.000123617	0.000120343
8635	0.000145645	0.000153021	5.13536E-05	0.000126189	9.52708E-05	0.000146561	0.000153246	4.03772E-05	0.000126189	9.20456E-05
8636	0.000145016	0.000152038	5.52593E-05	0.000122843	6.65629E-05	0.000144867	0.000151194	4.43587E-05	0.000122843	6.56605E-05
8637	0.000140515	0.000147254	5.43611E-05	0.000117382	5.10439E-05	0.000139817	0.000145858	4.38684E-05	0.000117382	5.11389E-05
8638	0.000133573	0.000140168	4.92577E-05	0.000110039	3.69494E-05	0.000132527	0.000138394	3.93384E-05	0.000110039	3.82584E-05
8639	0.000118166	0.000124158	4.15689E-05	0.000100059	3.6204E-05	0.000118162	0.00012356	3.24038E-05	0.000100059	3.7423E-05
8640	0.000106317	0.000112047	3.30638E-05	9.39615E-05	3.58291E-05	0.000107724	0.000112963	2.44996E-05	9.39615E-05	3.70036E-05
8641	9.16429E-05	9.6891E-05	2.45527E-05	8.51895E-05	3.58421E-05	9.43244E-05	9.92103E-05	1.67143E-05	8.51895E-05	3.70262E-05
8642	8.75649E-05	9.27689E-05	2.10385E-05	8.34154E-05	3.60944E-05	9.08609E-05	9.57362E-05	1.34186E-05	8.34154E-05	3.7314E-05
8643	8.48598E-05	8.99706E-05	1.9524E-05	8.20204E-05	3.67148E-05	8.84552E-05	9.32695E-05	1.19831E-05	8.20204E-05	3.80179E-05
8644	8.62807E-05	9.15025E-05	1.95265E-05	8.42598E-05	3.78239E-05	9.02165E-05	9.51574E-05	1.17323E-05	8.42598E-05	3.92693E-05
8645	9.25511E-05	9.80975E-05	2.16472E-05	9.02378E-05	3.92869E-05	9.66963E-05	0.000101948	1.32768E-05	9.02378E-05	4.09122E-05
8646	0.00010302	0.000109107	2.51927E-05	9.8161E-05	3.96464E-05	0.00010689	0.000112593	1.62976E-05	9.8161E-05	4.12637E-05
8647	0.000108247	0.000114416	2.93789E-05	0.000102598	0.000130434	0.000112027	0.000117809	2.01705E-05	0.000102598	0.000125802
8648	0.00010766	0.000113654	3.10449E-05	0.000103088	0.00013026	0.000111667	0.000117325	2.17938E-05	0.000103088	0.00012555
8649	0.000107448	0.000113358	3.18962E-05	0.000102841	0.00013079	0.000111386	0.000116979	2.2547E-05	0.000102841	0.000126138
8650	0.00010594	0.00011167	3.26935E-05	0.000100799	0.000131025	0.000109578	0.000115001	2.34317E-05	0.000100799	0.000126397
8651	0.000104507	0.00011008	3.32635E-05	9.86913E-05	0.000131303	0.000107818	0.000113085	2.41461E-05	9.86913E-05	0.000126707
8652	0.00010295	0.000108472	3.2359E-05	9.73198E-05	0.000116556	0.000106263	0.000111478	2.34128E-05	9.73198E-05	0.000113047
8653	0.000102014	0.000107487	3.20438E-05	9.59902E-05	0.000116446	0.000105162	0.000110318	2.32764E-05	9.59902E-05	0.000112926
8654	0.000100789	0.000106257	3.08887E-05	9.51812E-05	0.000115856	0.000104044	0.000109192	2.22596E-05	9.51812E-05	0.000112264
8655	0.00010205	0.000107624	3.07922E-05	9.66692E-05	0.000129597	0.00010546	0.00011071	2.20582E-05	9.66692E-05	0.000124796

8656	0.000110865	0.000116966	3.28723E-05	0.000105041	0.000128166	0.000114606	0.000120344	2.34592E-05	0.000105041	0.000123187
8657	0.00012422	0.000131139	3.57752E-05	0.000116687	0.000126829	0.000128161	0.000134618	2.55884E-05	0.000116687	0.000121682
8658	0.000138181	0.000145675	4.23775E-05	0.000125586	0.000125735	0.000141154	0.000148051	3.1588E-05	0.000125586	0.000120452
8659	0.000147273	0.000154753	5.16596E-05	0.000128105	9.54106E-05	0.000148366	0.000155157	4.04898E-05	0.000128105	9.2203E-05
8660	0.000146387	0.000153494	5.5527E-05	0.000124538	6.6669E-05	0.000146411	0.00015283	4.44446E-05	0.000124538	6.57798E-05
8661	0.000143293	0.000150227	5.46417E-05	0.00011901	5.10945E-05	0.000142399	0.000148594	4.3987E-05	0.00011901	5.11951E-05
8662	0.000134733	0.000141402	4.94809E-05	0.000111446	3.69576E-05	0.000133827	0.00013977	3.94143E-05	0.000111446	3.82668E-05
8663	0.000119179	0.000125236	4.17546E-05	0.000101213	3.61964E-05	0.000119273	0.000124737	3.24779E-05	0.000101213	3.74138E-05
8664	0.000106925	0.000112694	3.31702E-05	9.46124E-05	3.57405E-05	0.000108379	0.000113656	2.45486E-05	9.46124E-05	3.6903E-05
8665	9.16429E-05	9.6891E-05	2.45527E-05	8.51895E-05	3.58421E-05	9.43244E-05	9.92103E-05	1.67143E-05	8.51895E-05	3.70262E-05
8666	8.75649E-05	9.27689E-05	2.10385E-05	8.34154E-05	3.60944E-05	9.08609E-05	9.57362E-05	1.34186E-05	8.34154E-05	3.7314E-05
8667	8.48598E-05	8.99706E-05	1.9524E-05	8.20204E-05	3.67148E-05	8.84552E-05	9.32695E-05	1.19831E-05	8.20204E-05	3.80179E-05
8668	8.62807E-05	9.15025E-05	1.95265E-05	8.42598E-05	3.78239E-05	9.02165E-05	9.51574E-05	1.17323E-05	8.42598E-05	3.92693E-05
8669	9.25511E-05	9.80975E-05	2.16472E-05	9.02378E-05	3.92869E-05	9.66963E-05	0.000101948	1.32768E-05	9.02378E-05	4.09122E-05
8670	0.00010302	0.000109107	2.51927E-05	9.8161E-05	3.96464E-05	0.00010689	0.000112593	1.62976E-05	9.8161E-05	4.12637E-05
8671	0.000108247	0.000114416	2.93789E-05	0.000102598	0.000130434	0.000112027	0.000117809	2.01705E-05	0.000102598	0.000125802
8672	0.00010766	0.000113654	3.10449E-05	0.000103088	0.00013026	0.000111667	0.000117325	2.17938E-05	0.000103088	0.00012555
8673	0.000107448	0.000113358	3.18962E-05	0.000102841	0.00013079	0.000111386	0.000116979	2.2547E-05	0.000102841	0.000126138
8674	0.00010594	0.00011167	3.26935E-05	0.000100799	0.000131025	0.000109578	0.000115001	2.34317E-05	0.000100799	0.000126397
8675	0.000104507	0.00011008	3.32635E-05	9.86913E-05	0.000131303	0.000107818	0.000113085	2.41461E-05	9.86913E-05	0.000126707
8676	0.00010295	0.000108472	3.2359E-05	9.73198E-05	0.000116556	0.000106263	0.000111478	2.34128E-05	9.73198E-05	0.000113047
8677	0.000102014	0.000107487	3.20438E-05	9.59902E-05	0.000116446	0.000105162	0.000110318	2.32764E-05	9.59902E-05	0.000112926
8678	0.000100789	0.000106257	3.08887E-05	9.51812E-05	0.000115856	0.000104044	0.000109192	2.22596E-05	9.51812E-05	0.000112264
8679	0.00010205	0.000107624	3.07922E-05	9.66692E-05	0.000129597	0.00010546	0.00011071	2.20582E-05	9.66692E-05	0.000124796
8680	0.000110865	0.000116966	3.28723E-05	0.000105041	0.000128166	0.000114606	0.000120344	2.34592E-05	0.000105041	0.000123187
8681	0.00012422	0.000131139	3.57752E-05	0.000116687	0.000126829	0.000128161	0.000134618	2.55884E-05	0.000116687	0.000121682
8682	0.000138181	0.000145675	4.23775E-05	0.000125586	0.000125735	0.000141154	0.000148051	3.1588E-05	0.000125586	0.000120452
8683	0.000147273	0.000154753	5.16596E-05	0.000128105	9.54106E-05	0.000148366	0.000155157	4.04898E-05	0.000128105	9.2203E-05
8684	0.000146387	0.000153494	5.5527E-05	0.000124538	6.6669E-05	0.000146411	0.00015283	4.44446E-05	0.000124538	6.57798E-05
8685	0.000143293	0.000150227	5.46417E-05	0.00011901	5.10945E-05	0.000142399	0.000148594	4.3987E-05	0.00011901	5.11951E-05
8686	0.000134733	0.000141402	4.94809E-05	0.000111446	3.69576E-05	0.000133827	0.00013977	3.94143E-05	0.000111446	3.82668E-05
8687	0.000119179	0.000125236	4.17546E-05	0.000101213	3.61964E-05	0.000119273	0.000124737	3.24779E-05	0.000101213	3.74138E-05
8688	0.000106925	0.000112694	3.31702E-05	9.46124E-05	3.57405E-05	0.000108379	0.000113656	2.45486E-05	9.46124E-05	3.6903E-05
8689	9.16429E-05	9.6891E-05	2.45527E-05	8.51895E-05	3.58421E-05	9.43244E-05	9.92103E-05	1.67143E-05	8.51895E-05	3.70262E-05
8690	8.75649E-05	9.27689E-05	2.10385E-05	8.34154E-05	3.60944E-05	9.08609E-05	9.57362E-05	1.34186E-05	8.34154E-05	3.7314E-05
8691	8.48598E-05	8.99706E-05	1.9524E-05	8.20204E-05	3.67148E-05	8.84552E-05	9.32695E-05	1.19831E-05	8.20204E-05	3.80179E-05
8692	8.62807E-05	9.15025E-05	1.95265E-05	8.42598E-05	3.78239E-05	9.02165E-05	9.51574E-05	1.17323E-05	8.42598E-05	3.92693E-05
8693	9.25511E-05	9.80975E-05	2.16472E-05	9.02378E-05	3.92869E-05	9.66963E-05	0.000101948	1.32768E-05	9.02378E-05	4.09122E-05
8694	0.00010302	0.000109107	2.51927E-05	9.8161E-05	3.96464E-05	0.00010689	0.000112593	1.62976E-05	9.8161E-05	4.12637E-05
8695	0.000108247	0.000114416	2.93789E-05	0.000102598	0.000130434	0.000112027	0.000117809	2.01705E-05	0.000102598	0.000125802
8696	0.00010766	0.000113654	3.10449E-05	0.000103088	0.00013026	0.000111667	0.000117325	2.17938E-05	0.000103088	0.00012555
8697	0.000107448	0.000113358	3.18962E-05	0.000102841	0.00013079	0.000111386	0.000116979	2.2547E-05	0.000102841	0.000126138
8698	0.00010594	0.00011167	3.26935E-05	0.000100799	0.000131025	0.000109578	0.000115001	2.34317E-05	0.000100799	0.000126397
8699	0.000104507	0.00011008	3.32635E-05	9.86913E-05	0.000131303	0.000107818	0.000113085	2.41461E-05	9.86913E-05	0.000126707
8700	0.00010295	0.000108472	3.2359E-05	9.73198E-05	0.000116556	0.000106263	0.000111478	2.34128E-05	9.73198E-05	0.000113047
8701	0.000102014	0.000107487	3.20438E-05	9.59902E-05	0.000116446	0.000105162	0.000110318	2.32764E-05	9.59902E-05	0.000112926
8702	0.000100789	0.000106257	3.08887E-05	9.51812E-05	0.000115856	0.000104044	0.000109192	2.22596E-05	9.51812E-05	0.000112264
8703	0.00010205	0.000107624	3.07922E-05	9.66692E-05	0.000129597	0.00010546	0.00011071	2.20582E-05	9.66692E-05	0.000124796
8704	0.000110865	0.000116966	3.28723E-05	0.000105041	0.000128166	0.000114606	0.000120344	2.34592E-05	0.000105041	0.000123187
8705	0.00012422	0.000131139	3.57752E-05	0.000116687	0.000126829	0.000128161	0.000134618	2.55884E-05	0.000116687	0.000121682
8706	0.000138181	0.000145675	4.23775E-05	0.000125586	0.000125735	0.000141154	0.000148051	3.1588E-05	0.000125586	0.000120452
8707	0.000147273	0.000154753	5.16596E-05	0.000128105	9.54106E-05	0.000148366	0.000155157	4.04898E-05	0.000128105	9.2203E-05
8708	0.000146387	0.000153494	5.5527E-05	0.000124538	6.6669E-05	0.000146411	0.00015283	4.44446E-05	0.000124538	6.57798E-05
8709	0.000143293	0.000150227	5.46417E-05	0.00011901	5.10945E-05	0.000142399	0.000148594	4.3987E-05	0.00011901	5.11951E-05
8710	0.000134733	0.000141402	4.94809E-05	0.000111446	3.69576E-05	0.000133827	0.00013977	3.94143E-05	0.000111446	3.82668E-05
8711	0.000119179	0.000125236	4.17546E-05	0.000101213	3.61964E-05	0.000119273	0.000124737	3.24779E-05	0.000101213	3.74138E-05
8712	0.000106925	0.000112694	3.31702E-05	9.46124E-05	3.57405E-05	0.000108379	0.000113656	2.45486E-05	9.46124E-05	3.6903E-05
8713	9.16429E-05	9.6891E-05	2.45527E-05	8.51895E-05	3.58421E-05	9.43244E-05	9.92103E-05	1.67143E-05	8.51895E-05	3.70262E-05
8714	8.75649E-05	9.27689E-05	2.10385E-05	8.34154E-05	3.60944E-05	9.08609E-05	9.57362E-05	1.34186E-05	8.34154E-05	3.7314E-05
8715	8.48598E-05	8.99706E-05	1.9524E-05	8.20204E-05	3.67148E-05	8.84552E-05	9.32695E-05	1.19831E-05	8.20204E-05	3.80179E-05
8716	8.62807E-05	9.15025E-05	1.95265E-05	8.42598E-05	3.78239E-05	9.02165E-05	9.51574E-05	1.17323E-05	8.42598E-05	3.92693E-05
8717	9.25511E-05	9.80975E-05	2.16472E-05	9.02378E-05	3.92869E-05	9.66963E-05	0.000101948	1.32768E-05	9.02378E-05	4.09122E-05
8718	0.00010302	0.000109107	2.51927E-05	9.8161E-05	3.96464E-05	0.00010689	0.000112593	1.62976E-05	9.8161E-05	4.12637E-05
8719	0.000108247	0.000114416	2.93789E-05	0.000102598	0.000130434	0.000112027	0.000117809	2.01705E-05	0.000102598	0.000125802
8720	0.00010766	0.000113654	3.10449E-05	0.000103088	0.00013026	0.000111667	0.000117325	2.17938E-05	0.000103088	0.00012555
8721	0.000107448	0.000113358	3.18962E-05	0.000102841	0.00013079	0.000111386	0.000116979	2.2547E-05	0.000102841	0.000126138
8722	0.00010594	0.00011167	3.26935E-05	0.000100799	0.000131025	0.000109578	0.000115001	2.34317E-05	0.000100799	0.000126397
8723	0.000104507	0.00011008	3.32635E-05	9.86913E-05	0.000131303	0.000107818	0.000113085	2.41461E-05	9.86913E-05	0.000126707
8724	0.00010295	0.000108472	3.2359E-05	9.73198E-05	0.000116556	0.000106263	0.000111478	2.34128E-05	9.73198E-05	0.000113047
8725	0.000102014	0.000107487	3.20438E-05	9.59902E-05	0.000116446	0.000105162	0.000110318	2.32764E-05	9.59902E-05	0.000112926
8726	0.000100789	0.000106257	3.08887E-05	9.51812E-05	0.000115856	0.000104044	0.000109192	2.22596E-05	9.51812E-05	0.000112264
8727	0.00010205	0.000107624	3.07922E-05	9.66692E-05	0.000129597	0.00010546	0.00011071	2.20582E-05	9.66692E-05	0.000124796
8728	0.000110865	0.000116966	3.28723E-05	0.000105041	0.000128166	0.000114606	0.000120344	2.34592E-05	0.000105041	0.000123187
8729	0.00012422	0.000131139	3.57752E-05	0.000116687	0.000126829	0.000128161	0.000134618	2.55884E-05	0.000116687	0.000121682
8730	0.000138181	0.000145675	4.23775E-05	0.000125586	0.000125735	0.000141154	0.000148051	3.1588E-05	0.000125586	0.000120452
8731	0.000147273	0.000154753	5.16596E-05	0.000128105	9.54106E-05	0.000148366	0.000155157	4.04898E-05	0.000128105	9.2203E-05

8732	0.000146387	0.000153494	5.5527E-05	0.000124538	6.6669E-05	0.000146411	0.00015283	4.44446E-05	0.000124538	6.57798E-05
8733	0.000143293	0.000150227	5.46417E-05	0.00011901	5.10945E-05	0.000142399	0.000148594	4.3987E-05	0.00011901	5.11951E-05
8734	0.000134733	0.000141402	4.94809E-05	0.000111446	3.69576E-05	0.000133827	0.00013977	3.94143E-05	0.000111446	3.82668E-05
8735	0.000119179	0.000125236	4.17546E-05	0.000101213	3.61964E-05	0.000119273	0.000124737	3.24779E-05	0.000101213	3.74138E-05
8736	0.000106925	0.000112694	3.31702E-05	9.46124E-05	3.57405E-05	0.000108379	0.000113656	2.45486E-05	9.46124E-05	3.6903E-05
8737	9.16429E-05	9.6891E-05	2.45527E-05	8.51895E-05	3.58421E-05	9.43244E-05	9.92103E-05	1.67143E-05	8.51895E-05	3.70262E-05
8738	8.75649E-05	9.27689E-05	2.10385E-05	8.34154E-05	3.60944E-05	9.08609E-05	9.57362E-05	1.34186E-05	8.34154E-05	3.7314E-05
8739	8.48598E-05	8.99706E-05	1.9524E-05	8.20204E-05	3.67148E-05	8.84552E-05	9.32695E-05	1.19831E-05	8.20204E-05	3.80179E-05
8740	8.62807E-05	9.15025E-05	1.95265E-05	8.42598E-05	3.78239E-05	9.02165E-05	9.51574E-05	1.17323E-05	8.42598E-05	3.92693E-05
8741	9.25511E-05	9.80975E-05	2.16472E-05	9.02378E-05	3.92869E-05	9.66963E-05	0.000101948	1.32768E-05	9.02378E-05	4.09122E-05
8742	0.00010302	0.000109107	2.51927E-05	9.8161E-05	3.96464E-05	0.00010689	0.000112593	1.62976E-05	9.8161E-05	4.12637E-05
8743	0.000108247	0.000114416	2.93789E-05	0.000102598	0.000130434	0.000112027	0.000117809	2.01705E-05	0.000102598	0.000125802
8744	0.00010766	0.000113654	3.10449E-05	0.000103088	0.00013026	0.000111667	0.000117325	2.17938E-05	0.000103088	0.00012555
8745	0.000107448	0.000113358	3.18962E-05	0.000102841	0.00013079	0.000111386	0.000116979	2.2547E-05	0.000102841	0.000126138
8746	0.00010594	0.00011167	3.26935E-05	0.000100799	0.000131025	0.000109578	0.000115001	2.34317E-05	0.000100799	0.000126397
8747	0.000104507	0.00011008	3.32635E-05	9.86913E-05	0.000131303	0.000107818	0.000113085	2.41461E-05	9.86913E-05	0.000126707
8748	0.00010295	0.000108472	3.2359E-05	9.73198E-05	0.000116556	0.000106263	0.000111478	2.34128E-05	9.73198E-05	0.000113047
8749	0.000102014	0.000107487	3.20438E-05	9.59902E-05	0.000116446	0.000105162	0.000110318	2.32764E-05	9.59902E-05	0.000112926
8750	0.000100789	0.000106257	3.08887E-05	9.51812E-05	0.000115856	0.000104044	0.000109192	2.22596E-05	9.51812E-05	0.000112264
8751	0.00010205	0.000107624	3.07922E-05	9.66692E-05	0.000129597	0.00010546	0.00011071	2.20582E-05	9.66692E-05	0.000124796
8752	0.000110865	0.000116966	3.28723E-05	0.000105041	0.000128166	0.000114606	0.000120344	2.34592E-05	0.000105041	0.000123187
8753	0.00012422	0.000131139	3.57752E-05	0.000116687	0.000126829	0.000128161	0.000134618	2.55884E-05	0.000116687	0.000121682
8754	0.000138181	0.000145675	4.23775E-05	0.000125586	0.000125735	0.000141154	0.000148051	3.1588E-05	0.000125586	0.000120452
8755	0.000147273	0.000154753	5.16596E-05	0.000128105	9.54106E-05	0.000148366	0.000155157	4.04898E-05	0.000128105	9.2203E-05
8756	0.000146387	0.000153494	5.5527E-05	0.000124538	6.6669E-05	0.000146411	0.00015283	4.44446E-05	0.000124538	6.57798E-05
8757	0.000143293	0.000150227	5.46417E-05	0.00011901	5.10945E-05	0.000142399	0.000148594	4.3987E-05	0.00011901	5.11951E-05
8758	0.000134733	0.000141402	4.94809E-05	0.000111446	3.69576E-05	0.000133827	0.00013977	3.94143E-05	0.000111446	3.82668E-05
8759	0.000119179	0.000125236	4.17546E-05	0.000101213	3.61964E-05	0.000119273	0.000124737	3.24779E-05	0.000101213	3.74138E-05
8760	0.000106925	0.000112694	3.31702E-05	9.46124E-05	3.57405E-05	0.000108379	0.000113656	2.45486E-05	9.46124E-05	3.6903E-05
8761	9.16429E-05	9.6891E-05	2.45527E-05	8.51895E-05	3.58421E-05	9.43244E-05	9.92103E-05	1.67143E-05	8.51895E-05	3.70262E-05
8762	8.75649E-05	9.27689E-05	2.10385E-05	8.34154E-05	3.60944E-05	9.08609E-05	9.57362E-05	1.34186E-05	8.34154E-05	3.7314E-05
8763	8.48598E-05	8.99706E-05	1.9524E-05	8.20204E-05	3.67148E-05	8.84552E-05	9.32695E-05	1.19831E-05	8.20204E-05	3.80179E-05
8764	8.62807E-05	9.15025E-05	1.95265E-05	8.42598E-05	3.78239E-05	9.02165E-05	9.51574E-05	1.17323E-05	8.42598E-05	3.92693E-05
8765	9.25511E-05	9.80975E-05	2.16472E-05	9.02378E-05	3.92869E-05	9.66963E-05	0.000101948	1.32768E-05	9.02378E-05	4.09122E-05
8766	0.00010302	0.000109107	2.51927E-05	9.8161E-05	3.96464E-05	0.00010689	0.000112593	1.62976E-05	9.8161E-05	4.12637E-05
8767	0.000108247	0.000114416	2.93789E-05	0.000102598	0.000130434	0.000112027	0.000117809	2.01705E-05	0.000102598	0.000125802
8768	0.00010766	0.000113654	3.10449E-05	0.000103088	0.00013026	0.000111667	0.000117325	2.17938E-05	0.000103088	0.00012555
8769	0.000107448	0.000113358	3.18962E-05	0.000102841	0.00013079	0.000111386	0.000116979	2.2547E-05	0.000102841	0.000126138
8770	0.00010594	0.00011167	3.26935E-05	0.000100799	0.000131025	0.000109578	0.000115001	2.34317E-05	0.000100799	0.000126397
8771	0.000104507	0.00011008	3.32635E-05	9.86913E-05	0.000131303	0.000107818	0.000113085	2.41461E-05	9.86913E-05	0.000126707
8772	0.00010295	0.000108472	3.2359E-05	9.73198E-05	0.000116556	0.000106263	0.000111478	2.34128E-05	9.73198E-05	0.000113047
8773	0.000102014	0.000107487	3.20438E-05	9.59902E-05	0.000116446	0.000105162	0.000110318	2.32764E-05	9.59902E-05	0.000112926
8774	0.000100789	0.000106257	3.08887E-05	9.51812E-05	0.000115856	0.000104044	0.000109192	2.22596E-05	9.51812E-05	0.000112264
8775	0.00010205	0.000107624	3.07922E-05	9.66692E-05	0.000129597	0.00010546	0.00011071	2.20582E-05	9.66692E-05	0.000124796
8776	0.000110865	0.000116966	3.28723E-05	0.000105041	0.000128166	0.000114606	0.000120344	2.34592E-05	0.000105041	0.000123187
8777	0.00012422	0.000131139	3.57752E-05	0.000116687	0.000126829	0.000128161	0.000134618	2.55884E-05	0.000116687	0.000121682
8778	0.000138181	0.000145675	4.23775E-05	0.000125586	0.000125735	0.000141154	0.000148051	3.1588E-05	0.000125586	0.000120452
8779	0.000147273	0.000154753	5.16596E-05	0.000128105	9.54106E-05	0.000148366	0.000155157	4.04898E-05	0.000128105	9.2203E-05
8780	0.000146387	0.000153494	5.5527E-05	0.000124538	6.6669E-05	0.000146411	0.00015283	4.44446E-05	0.000124538	6.57798E-05
8781	0.000143293	0.000150227	5.46417E-05	0.00011901	5.10945E-05	0.000142399	0.000148594	4.3987E-05	0.00011901	5.11951E-05
8782	0.000134733	0.000141402	4.94809E-05	0.000111446	3.69576E-05	0.000133827	0.00013977	3.94143E-05	0.000111446	3.82668E-05
8783	0.000119179	0.000125236	4.17546E-05	0.000101213	3.61964E-05	0.000119273	0.000124737	3.24779E-05	0.000101213	3.74138E-05
8784	0.000106925	0.000112694	3.31702E-05	9.46124E-05	3.57405E-05	0.000108379	0.000113656	2.45486E-05	9.46124E-05	3.6903E-05

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024-2029 Program Blocks

	Alternative Avoided Cost									
	RAP					MAP				
	Residential	Residential	Residential	IQW	C&I	Residential	Residential	Residential	IQW	C&I
Hour	Energy Savings (MWh)	Tier 1	Tier 2	Energy Savings (MWh)	Energy Savings (MWh)	Energy Savings (MWh)	Tier 1	Tier 2	Energy Savings (MWh)	Energy Savings (MWh)
1	9.5733E-05	0.000100017	2.12021E-05	8.78329E-05	3.72343E-05	9.81944E-05	0.000102267	1.19912E-05	8.78329E-05	3.96096E-05
2	9.29698E-05	9.71328E-05	2.05513E-05	8.74899E-05	3.75551E-05	9.61386E-05	0.00010016	1.10286E-05	8.74899E-05	3.99677E-05
3	9.16092E-05	9.57088E-05	2.02933E-05	8.74396E-05	3.76319E-05	9.51474E-05	9.91434E-05	1.0568E-05	8.74396E-05	4.00538E-05
4	9.32661E-05	9.74333E-05	2.07754E-05	9.00775E-05	3.853E-05	9.72028E-05	0.000101295	1.05886E-05	9.00775E-05	4.10543E-05
5	9.86211E-05	0.000103019	2.21097E-05	9.53724E-05	3.99515E-05	0.000102786	0.000107108	1.13234E-05	9.53724E-05	4.26354E-05
6	0.000106111	0.000110843	2.37872E-05	0.000101149	4.04258E-05	0.000110087	0.000114691	1.2635E-05	0.000101149	4.26154E-05
7	0.000112572	0.000117582	2.54274E-05	0.000105766	0.000131037	0.000116216	0.000121035	1.42231E-05	0.000105766	0.000127009
8	0.000110835	0.000115721	2.58317E-05	0.000106611	0.000130845	0.00011511	0.000119853	1.47231E-05	0.000106611	0.000126246
9	0.000109832	0.000114676	2.55549E-05	0.000104522	0.000131204	0.000113688	0.000118358	1.48468E-05	0.000104522	0.000126642
10	0.000107514	0.00011226	2.49528E-05	0.000100725	0.000131046	0.000110751	0.00011528	1.48956E-05	0.000100725	0.000126463
11	0.000105352	0.000110008	2.43511E-05	9.70644E-05	0.00013077	0.000107984	0.000112379	1.49436E-05	9.70644E-05	0.000126154
12	0.000102785	0.000107335	2.3641E-05	9.42098E-05	0.000115636	0.00010522	0.0001095	1.4623E-05	9.42098E-05	0.00011205
13	0.000100814	0.000105279	2.31497E-05	9.20064E-05	0.000115381	0.000103075	0.000107264	1.44174E-05	9.20064E-05	0.000111767
14	9.97694E-05	0.000104189	2.28859E-05	9.16183E-05	0.000114849	0.000102213	0.000106376	1.4107E-05	9.16183E-05	0.000111176
15	0.00010122	0.000105704	2.32312E-05	9.34936E-05	0.000128843	0.000103886	0.000108124	1.41824E-05	9.34936E-05	0.000124012
16	0.00010817	0.000112964	2.47778E-05	9.98932E-05	0.000127883	0.000111028	0.000115559	1.51274E-05	9.98932E-05	0.000122944
17	0.000119648	0.000124962	2.72203E-05	0.00010996	0.000127202	0.000122684	0.000127689	1.67383E-05	0.00010996	0.000122187
18	0.000133295	0.000139219	3.02388E-05	0.000119368	0.00012667	0.000135606	0.000141096	1.93869E-05	0.000119368	0.000121596
19	0.000145018	0.000151457	3.30163E-05	0.000124871	9.65448E-05	0.000145742	0.000151567	2.2449E-05	0.000124871	9.3554E-05
20	0.000146922	0.000153438	3.35681E-05	0.000123877	6.7969E-05	0.000146693	0.000152514	2.34986E-05	0.000123877	6.77809E-05
21	0.000142497	0.000148824	3.2433E-05	0.000118783	5.24587E-05	0.000141815	0.000147437	2.28239E-05	0.000118783	5.32632E-05
22	0.000136301	0.000142394	3.03059E-05	0.000112137	3.85704E-05	0.000135282	0.000140686	2.0891E-05	0.000112137	4.10938E-05
23	0.000123286	0.000128797	2.74173E-05	0.000104053	3.79868E-05	0.000123273	0.00012824	1.81313E-05	0.000104053	4.0446E-05
24	0.000111368	0.00011635	2.46883E-05	9.77813E-05	3.77968E-05	0.000112699	0.000117303	1.5257E-05	9.77813E-05	4.02356E-05
25	9.5733E-05	0.000100017	2.12021E-05	8.78329E-05	3.72343E-05	9.81944E-05	0.000102267	1.19912E-05	8.78329E-05	3.96096E-05
26	9.29698E-05	9.71328E-05	2.05513E-05	8.74899E-05	3.75551E-05	9.61386E-05	0.00010016	1.10286E-05	8.74899E-05	3.99677E-05
27	9.16092E-05	9.57088E-05	2.02933E-05	8.74396E-05	3.76319E-05	9.51474E-05	9.91434E-05	1.0568E-05	8.74396E-05	4.00538E-05
28	9.32661E-05	9.74333E-05	2.07754E-05	9.00775E-05	3.853E-05	9.72028E-05	0.000101295	1.05886E-05	9.00775E-05	4.10543E-05
29	9.86211E-05	0.000103019	2.21097E-05	9.53724E-05	3.99515E-05	0.000102786	0.000107108	1.13234E-05	9.53724E-05	4.26354E-05
30	0.000106111	0.000110843	2.37872E-05	0.000101149	4.04258E-05	0.000110087	0.000114691	1.2635E-05	0.000101149	4.26154E-05
31	0.000112572	0.000117582	2.54274E-05	0.000105766	0.000131037	0.000116216	0.000121035	1.42231E-05	0.000105766	0.000127009
32	0.000110835	0.000115721	2.58317E-05	0.000106611	0.000130845	0.00011511	0.000119853	1.47231E-05	0.000106611	0.000126246
33	0.000109832	0.000114676	2.55549E-05	0.000104522	0.000131204	0.000113688	0.000118358	1.48468E-05	0.000104522	0.000126642
34	0.000107514	0.00011226	2.49528E-05	0.000100725	0.000131046	0.000110751	0.00011528	1.48956E-05	0.000100725	0.000126463
35	0.000105352	0.000110008	2.43511E-05	9.70644E-05	0.00013077	0.000107984	0.000112379	1.49436E-05	9.70644E-05	0.000126154
36	0.000102785	0.000107335	2.3641E-05	9.42098E-05	0.000115636	0.00010522	0.0001095	1.4623E-05	9.42098E-05	0.00011205
37	0.000100814	0.000105279	2.31497E-05	9.20064E-05	0.000115381	0.000103075	0.000107264	1.44174E-05	9.20064E-05	0.000111767
38	9.97694E-05	0.000104189	2.28859E-05	9.16183E-05	0.000114849	0.000102213	0.000106376	1.4107E-05	9.16183E-05	0.000111176
39	0.00010122	0.000105704	2.32312E-05	9.34936E-05	0.000128843	0.000103886	0.000108124	1.41824E-05	9.34936E-05	0.000124012
40	0.00010817	0.000112964	2.47778E-05	9.98932E-05	0.000127883	0.000111028	0.000115559	1.51274E-05	9.98932E-05	0.000122944
41	0.000119648	0.000124962	2.72203E-05	0.00010996	0.000127202	0.000122684	0.000127689	1.67383E-05	0.00010996	0.000122187
42	0.000133295	0.000139219	3.02388E-05	0.000119368	0.00012667	0.000135606	0.000141096	1.93869E-05	0.000119368	0.000121596
43	0.000145018	0.000151457	3.30163E-05	0.000124871	9.65448E-05	0.000145742	0.000151567	2.2449E-05	0.000124871	9.3554E-05
44	0.000146922	0.000153438	3.35681E-05	0.000123877	6.7969E-05	0.000146693	0.000152514	2.34986E-05	0.000123877	6.77809E-05
45	0.000142497	0.000148824	3.2433E-05	0.000118783	5.24587E-05	0.000141815	0.000147437	2.28239E-05	0.000118783	5.32632E-05
46	0.000136301	0.000142394	3.03059E-05	0.000112137	3.85704E-05	0.000135282	0.000140686	2.0891E-05	0.000112137	4.10938E-05
47	0.000123286	0.000128797	2.74173E-05	0.000104053	3.79868E-05	0.000123273	0.00012824	1.81313E-05	0.000104053	4.0446E-05
48	0.000111368	0.00011635	2.46883E-05	9.77813E-05	3.77968E-05	0.000112699	0.000117303	1.5257E-05	9.77813E-05	4.02356E-05
49	9.5733E-05	0.000100017	2.12021E-05	8.78329E-05	3.72343E-05	9.81944E-05	0.000102267	1.19912E-05	8.78329E-05	3.96096E-05
50	9.29698E-05	9.71328E-05	2.05513E-05	8.74899E-05	3.75551E-05	9.61386E-05	0.00010016	1.10286E-05	8.74899E-05	3.99677E-05
51	9.16092E-05	9.57088E-05	2.02933E-05	8.74396E-05	3.76319E-05	9.51474E-05	9.91434E-05	1.0568E-05	8.74396E-05	4.00538E-05
52	9.32661E-05	9.74333E-05	2.07754E-05	9.00775E-05	3.853E-05	9.72028E-05	0.000101295	1.05886E-05	9.00775E-05	4.10543E-05
53	9.86211E-05	0.000103019	2.21097E-05	9.53724E-05	3.99515E-05	0.000102786	0.000107108	1.13234E-05	9.53724E-05	4.26354E-05
54	0.000106111	0.000110843	2.37872E-05	0.000101149	4.04258E-05	0.000110087	0.000114691	1.2635E-05	0.000101149	4.26154E-05
55	0.000112572	0.000117582	2.54274E-05	0.000105766	0.000131037	0.000116216	0.000121035	1.42231E-05	0.000105766	0.000127009
56	0.000110835	0.000115721	2.58317E-05	0.000106611	0.000130845	0.00011511	0.000119853	1.47231E-05	0.000106611	0.000126246
57	0.000109832	0.000114676	2.55549E-05	0.000104522	0.000131204	0.000113688	0.000118358	1.48468E-05	0.000104522	0.000126642
58	0.000107514	0.00011226	2.49528E-05	0.000100725	0.000131046	0.000110751	0.00011528	1.48956E-05	0.000100725	0.000126463
59	0.000105352	0.000110008	2.43511E-05	9.70644E-05	0.00013077	0.000107984	0.000112379	1.49436E-05	9.70644E-05	0.000126154
60	0.000102785	0.000107335	2.3641E-05	9.42098E-05	0.000115636	0.00010522	0.0001095	1.4623E-05	9.42098E-05	0.00011205
61	0.000100814	0.000105279	2.31497E-05	9.20064E-05	0.000115381	0.000103075	0.000107264	1.44174E-05	9.20064E-05	0.000111767
62	9.97694E-05	0.000104189	2.28859E-05	9.16183E-05	0.000114849	0.000102213	0.000106376	1.4107E-05	9.16183E-05	0.000111176
63	0.00010122	0.000105704	2.32312E-05	9.34936E-05	0.000128843	0.000103886	0.000108124	1.41824E-05	9.34936E-05	0.000124012
64	0.00010817	0.000112964	2.47778E-05	9.98932E-05	0.000127883	0.000111028	0.000115559	1.51274E-05	9.98932E-05	0.000122944
65	0.000119648	0.000124962	2.72203E-05	0.00010996	0.000127202	0.000122684	0.000127689	1.67383E-05	0.00010996	0.000122187
66	0.000133295	0.000139219	3.02388E-05	0.000119368	0.00012667	0.000135606	0.000141096	1.93869E-05	0.000119368	0.000121596
67	0.000145018	0.000151457	3.30163E-05	0.000124871	9.65448E-05	0.000145742	0.000151567	2.2449E-05	0.000124871	9.3554E-05

68	0.000146922	0.000153438	3.35681E-05	0.000123877	6.7969E-05	0.000146693	0.000152514	2.34986E-05	0.000123877	6.77809E-05
69	0.000142497	0.000148824	3.2433E-05	0.000118783	5.24587E-05	0.000141815	0.000147437	2.28239E-05	0.000118783	5.32632E-05
70	0.000136301	0.000142394	3.03059E-05	0.000112137	3.85704E-05	0.000135282	0.000140686	2.0891E-05	0.000112137	4.10938E-05
71	0.000123286	0.000128797	2.74173E-05	0.000104053	3.79868E-05	0.000123273	0.00012824	1.81313E-05	0.000104053	4.0446E-05
72	0.000111368	0.00011635	2.46883E-05	9.77813E-05	3.77968E-05	0.000112699	0.000117303	1.5257E-05	9.77813E-05	4.02356E-05
73	9.62063E-05	0.000100511	2.13267E-05	8.84251E-05	3.76419E-05	9.87293E-05	0.000102825	1.20291E-05	8.84251E-05	4.00642E-05
74	9.24576E-05	9.65981E-05	2.04294E-05	8.69282E-05	3.73836E-05	9.55833E-05	9.95805E-05	1.09764E-05	8.69282E-05	3.97766E-05
75	9.11522E-05	9.52313E-05	2.01929E-05	8.69896E-05	3.75016E-05	9.46671E-05	9.86429E-05	1.05142E-05	8.69896E-05	3.99087E-05
76	9.26783E-05	9.68194E-05	2.06384E-05	8.94507E-05	3.83454E-05	9.65708E-05	0.000100636	1.05262E-05	8.94507E-05	4.08486E-05
77	9.79308E-05	0.000102298	2.1951E-05	9.46488E-05	3.97029E-05	0.000102048	0.000106338	1.12484E-05	9.46488E-05	4.23585E-05
78	0.000105465	0.000110169	2.36379E-05	0.000100468	4.0147E-05	0.000109395	0.00011397	1.25655E-05	0.000100468	4.23051E-05
79	0.000110244	0.000115133	2.51929E-05	0.000104834	0.000130665	0.000114185	0.000118914	1.40853E-05	0.000104834	0.000126595
80	0.000110047	0.000114899	2.56399E-05	0.00010572	0.000130393	0.000114248	0.000118953	1.46468E-05	0.00010572	0.000125743
81	0.00010899	0.000113798	2.53545E-05	0.000103598	0.000130718	0.000112775	0.000117406	1.47613E-05	0.000103598	0.000126102
82	0.000106844	0.000111562	2.47788E-05	9.99013E-05	0.000130602	0.000109999	0.000114495	1.48401E-05	9.99013E-05	0.00012597
83	0.000104814	0.000109448	2.41998E-05	9.63319E-05	0.000130257	0.000107359	0.000111726	1.49091E-05	9.63319E-05	0.000125584
84	0.000102231	0.000106757	2.34886E-05	9.34762E-05	0.000115163	0.000104581	0.000108833	1.45844E-05	9.34762E-05	0.000111525
85	0.00010025	0.000104692	2.29897E-05	9.12302E-05	0.000114915	0.000102417	0.000106576	1.43823E-05	9.12302E-05	0.00011125
86	9.9261E-05	0.00010366	2.27425E-05	9.09236E-05	0.000114394	0.000101621	0.000105757	1.40746E-05	9.09236E-05	0.00011067
87	0.000100651	0.00010511	2.30726E-05	9.27279E-05	0.000128416	0.000103226	0.000107435	1.41442E-05	9.27279E-05	0.000123537
88	0.000107517	0.000112283	2.46077E-05	9.90868E-05	0.000127537	0.000110293	0.000114792	1.50735E-05	9.90868E-05	0.00012256
89	0.000118783	0.000124058	2.70187E-05	0.000109037	0.000126912	0.000121753	0.000126719	1.66465E-05	0.000109037	0.000121865
90	0.000132259	0.000138137	3.00023E-05	0.000118293	0.000126395	0.000134501	0.000139945	1.92728E-05	0.000118293	0.000121291
91	0.000143904	0.000150293	3.27626E-05	0.00012372	9.62812E-05	0.000144555	0.00015033	2.23256E-05	0.00012372	9.32609E-05
92	0.000145826	0.000152293	3.3322E-05	0.000122765	6.77133E-05	0.000145531	0.000151303	2.33742E-05	0.000122765	6.74965E-05
93	0.000143227	0.000149603	3.2307E-05	0.000118083	5.22085E-05	0.000142149	0.000147789	2.27819E-05	0.000118083	5.29849E-05
94	0.00013561	0.000141673	3.01398E-05	0.000111369	3.83418E-05	0.00013453	0.000139902	2.0822E-05	0.000111369	4.08393E-05
95	0.000122657	0.00012814	2.7265E-05	0.000103347	3.78106E-05	0.000122586	0.000127523	1.80694E-05	0.000103347	4.02496E-05
96	0.00011087	0.00011583	2.45717E-05	9.72465E-05	3.77028E-05	0.000112162	0.000116743	1.52047E-05	9.72465E-05	4.01307E-05
97	9.62063E-05	0.000100511	2.13267E-05	8.84251E-05	3.76419E-05	9.87293E-05	0.000102825	1.20291E-05	8.84251E-05	4.00642E-05
98	9.24576E-05	9.65981E-05	2.04294E-05	8.69282E-05	3.73836E-05	9.55833E-05	9.95805E-05	1.09764E-05	8.69282E-05	3.97766E-05
99	9.11522E-05	9.52313E-05	2.01929E-05	8.69896E-05	3.75016E-05	9.46671E-05	9.86429E-05	1.05142E-05	8.69896E-05	3.99087E-05
100	9.26783E-05	9.68194E-05	2.06384E-05	8.94507E-05	3.83454E-05	9.65708E-05	0.000100636	1.05262E-05	8.94507E-05	4.08486E-05
101	9.79308E-05	0.000102298	2.1951E-05	9.46488E-05	3.97029E-05	0.000102048	0.000106338	1.12484E-05	9.46488E-05	4.23585E-05
102	0.000105465	0.000110169	2.36379E-05	0.000100468	4.0147E-05	0.000109395	0.00011397	1.25655E-05	0.000100468	4.23051E-05
103	0.000110244	0.000115133	2.51929E-05	0.000104834	0.000130665	0.000114185	0.000118914	1.40853E-05	0.000104834	0.000126595
104	0.000110047	0.000114899	2.56399E-05	0.00010572	0.000130393	0.000114248	0.000118953	1.46468E-05	0.00010572	0.000125743
105	0.00010899	0.000113798	2.53545E-05	0.000103598	0.000130718	0.000112775	0.000117406	1.47613E-05	0.000103598	0.000126102
106	0.000106844	0.000111562	2.47788E-05	9.99013E-05	0.000130602	0.000109999	0.000114495	1.48401E-05	9.99013E-05	0.00012597
107	0.000104814	0.000109448	2.41998E-05	9.63319E-05	0.000130257	0.000107359	0.000111726	1.49091E-05	9.63319E-05	0.000125584
108	0.000102231	0.000106757	2.34886E-05	9.34762E-05	0.000115163	0.000104581	0.000108833	1.45844E-05	9.34762E-05	0.000111525
109	0.00010025	0.000104692	2.29897E-05	9.12302E-05	0.000114915	0.000102417	0.000106576	1.43823E-05	9.12302E-05	0.00011125
110	9.9261E-05	0.00010366	2.27425E-05	9.09236E-05	0.000114394	0.000101621	0.000105757	1.40746E-05	9.09236E-05	0.00011067
111	0.000100651	0.00010511	2.30726E-05	9.27279E-05	0.000128416	0.000103226	0.000107435	1.41442E-05	9.27279E-05	0.000123537
112	0.000107517	0.000112283	2.46077E-05	9.90868E-05	0.000127537	0.000110293	0.000114792	1.50735E-05	9.90868E-05	0.00012256
113	0.000118783	0.000124058	2.70187E-05	0.000109037	0.000126912	0.000121753	0.000126719	1.66465E-05	0.000109037	0.000121865
114	0.000132259	0.000138137	3.00023E-05	0.000118293	0.000126395	0.000134501	0.000139945	1.92728E-05	0.000118293	0.000121291
115	0.000143904	0.000150293	3.27626E-05	0.00012372	9.62812E-05	0.000144555	0.00015033	2.23256E-05	0.00012372	9.32609E-05
116	0.000145826	0.000152293	3.3322E-05	0.000122765	6.77133E-05	0.000145531	0.000151303	2.33742E-05	0.000122765	6.74965E-05
117	0.000143227	0.000149603	3.2307E-05	0.000118083	5.22085E-05	0.000142149	0.000147789	2.27819E-05	0.000118083	5.29849E-05
118	0.00013561	0.000141673	3.01398E-05	0.000111369	3.83418E-05	0.00013453	0.000139902	2.0822E-05	0.000111369	4.08393E-05
119	0.000122657	0.00012814	2.7265E-05	0.000103347	3.78106E-05	0.000122586	0.000127523	1.80694E-05	0.000103347	4.02496E-05
120	0.00011087	0.00011583	2.45717E-05	9.72465E-05	3.77028E-05	0.000112162	0.000116743	1.52047E-05	9.72465E-05	4.01307E-05
121	9.62063E-05	0.000100511	2.13267E-05	8.84251E-05	3.76419E-05	9.87293E-05	0.000102825	1.20291E-05	8.84251E-05	4.00642E-05
122	9.24576E-05	9.65981E-05	2.04294E-05	8.69282E-05	3.73836E-05	9.55833E-05	9.95805E-05	1.09764E-05	8.69282E-05	3.97766E-05
123	9.11522E-05	9.52313E-05	2.01929E-05	8.69896E-05	3.75016E-05	9.46671E-05	9.86429E-05	1.05142E-05	8.69896E-05	3.99087E-05
124	9.26783E-05	9.68194E-05	2.06384E-05	8.94507E-05	3.83454E-05	9.65708E-05	0.000100636	1.05262E-05	8.94507E-05	4.08486E-05
125	9.79308E-05	0.000102298	2.1951E-05	9.46488E-05	3.97029E-05	0.000102048	0.000106338	1.12484E-05	9.46488E-05	4.23585E-05
126	0.000105465	0.000110169	2.36379E-05	0.000100468	4.0147E-05	0.000109395	0.00011397	1.25655E-05	0.000100468	4.23051E-05
127	0.000110244	0.000115133	2.51929E-05	0.000104834	0.000130665	0.000114185	0.000118914	1.40853E-05	0.000104834	0.000126595
128	0.000110047	0.000114899	2.56399E-05	0.00010572	0.000130393	0.000114248	0.000118953	1.46468E-05	0.00010572	0.000125743
129	0.00010899	0.000113798	2.53545E-05	0.000103598	0.000130718	0.000112775	0.000117406	1.47613E-05	0.000103598	0.000126102
130	0.000106844	0.000111562	2.47788E-05	9.99013E-05	0.000130602	0.000109999	0.000114495	1.48401E-05	9.99013E-05	0.00012597
131	0.000104814	0.000109448	2.41998E-05	9.63319E-05	0.000130257	0.000107359	0.000111726	1.49091E-05	9.63319E-05	0.000125584
132	0.000102231	0.000106757	2.34886E-05	9.34762E-05	0.000115163	0.000104581	0.000108833	1.45844E-05	9.34762E-05	0.000111525
133	0.00010025	0.000104692	2.29897E-05	9.12302E-05	0.000114915	0.000102417	0.000106576	1.43823E-05	9.12302E-05	0.00011125
134	9.9261E-05	0.00010366	2.27425E-05	9.09236E-05	0.000114394	0.000101621	0.000105757	1.40746E-05	9.09236E-05	0.00011067
135	0.000100651	0.00010511	2.30726E-05	9.27279E-05	0.000128416	0.000103226	0.000107435	1.41442E-05	9.27279E-05	0.000123537
136	0.000107517	0.000112283	2.46077E-05	9.90868E-05	0.000127537	0.000110293	0.000114792	1.50735E-05	9.90868E-05	0.00012256
137	0.000118783	0.000124058	2.70187E-05	0.000109037	0.000126912	0.000121753	0.000126719	1.66465E-05	0.000109037	0.000121865
138	0.000132259	0.000138137	3.00023E-05	0.000118293	0.000126395	0.000134501	0.000139945	1.92728E-05	0.000118293	0.000121291
139	0.000143904	0.000150293	3.27626E-05	0.00012372	9.62812E-05	0.000144555	0.00015033	2.23256E-05	0.00012372	9.32609E-05
140	0.000145826	0.000152293	3.3322E-05	0.000122765	6.77133E-05	0.000145531	0.000151303	2.33742E-05	0.000122765	6.74965E-05
141	0.000143227	0.000149603	3.2307E-05	0.000118083	5.22085E-05	0.000142149	0.000147789	2.27819E-05	0.000118083	5.29849E-05
142	0.00013561	0.000141673	3.01398E-05	0.000111369	3.83418E-05	0.00013453	0.000139902	2.0822E-05	0.000111369	4.08393E-05
143	0.000122657	0.00012814	2.7265E-05	0.000103347	3.78106E-05	0.000122586	0.000127523	1.80694E-05	0.000103347	4.02496E-05

144	0.00011087	0.00011583	2.45717E-05	9.72465E-05	3.77028E-05	0.000112162	0.000116743	1.52047E-05	9.72465E-05	4.01307E-05
145	9.62063E-05	0.000100511	2.13267E-05	8.84251E-05	3.76419E-05	9.87293E-05	0.000102825	1.20291E-05	8.84251E-05	4.00642E-05
146	9.24576E-05	9.65981E-05	2.04294E-05	8.69282E-05	3.73836E-05	9.55833E-05	9.95805E-05	1.09764E-05	8.69282E-05	3.97766E-05
147	9.11522E-05	9.52313E-05	2.01929E-05	8.69896E-05	3.75016E-05	9.46671E-05	9.86429E-05	1.05142E-05	8.69896E-05	3.99087E-05
148	9.26783E-05	9.68194E-05	2.06384E-05	8.94507E-05	3.83454E-05	9.65708E-05	0.000100636	1.05262E-05	8.94507E-05	4.08486E-05
149	9.79308E-05	0.000102298	2.1951E-05	9.46488E-05	3.97029E-05	0.000102048	0.000106338	1.12484E-05	9.46488E-05	4.23585E-05
150	0.000105465	0.000110169	2.36379E-05	0.000100468	4.0147E-05	0.000109395	0.00011397	1.25655E-05	0.000100468	4.23051E-05
151	0.000110244	0.000115133	2.51929E-05	0.000104834	0.000130665	0.000114185	0.000118914	1.40853E-05	0.000104834	0.000126595
152	0.000110047	0.000114899	2.56399E-05	0.00010572	0.000130393	0.000114248	0.000118953	1.46468E-05	0.00010572	0.000125743
153	0.00010899	0.000113798	2.53545E-05	0.000103598	0.000130718	0.000112775	0.000117406	1.47613E-05	0.000103598	0.000126102
154	0.000106844	0.000111562	2.47788E-05	9.99013E-05	0.000130602	0.000109999	0.000114495	1.48401E-05	9.99013E-05	0.00012597
155	0.000104814	0.000109448	2.41998E-05	9.63319E-05	0.000130257	0.000107359	0.000111726	1.49091E-05	9.63319E-05	0.000125584
156	0.000102231	0.000106757	2.34886E-05	9.34762E-05	0.000115163	0.000104581	0.000108833	1.45844E-05	9.34762E-05	0.000111525
157	0.00010025	0.000104692	2.29897E-05	9.12302E-05	0.000114915	0.000102417	0.000106576	1.43823E-05	9.12302E-05	0.00011125
158	9.9261E-05	0.00010366	2.27425E-05	9.09236E-05	0.000114394	0.000101621	0.000105757	1.40746E-05	9.09236E-05	0.00011067
159	0.000100651	0.00010511	2.30726E-05	9.27279E-05	0.000128416	0.000103226	0.000107435	1.41442E-05	9.27279E-05	0.000123537
160	0.000107517	0.000112283	2.46077E-05	9.90868E-05	0.000127537	0.000110293	0.000114792	1.50735E-05	9.90868E-05	0.00012256
161	0.000118783	0.000124058	2.70187E-05	0.000109037	0.000126912	0.000121753	0.000126719	1.66465E-05	0.000109037	0.000121865
162	0.000132259	0.000138137	3.00023E-05	0.000118293	0.000126395	0.000134501	0.000139945	1.92728E-05	0.000118293	0.000121291
163	0.000143904	0.000150293	3.27626E-05	0.00012372	9.62812E-05	0.000144555	0.00015033	2.23256E-05	0.00012372	9.32609E-05
164	0.000145826	0.000152293	3.3322E-05	0.000122765	6.77133E-05	0.000145531	0.000151303	2.33742E-05	0.000122765	6.74965E-05
165	0.000143227	0.000149603	3.2307E-05	0.000118083	5.22085E-05	0.000142149	0.000147789	2.27819E-05	0.000118083	5.29849E-05
166	0.00013561	0.000141673	3.01398E-05	0.000111369	3.83418E-05	0.00013453	0.000139902	2.0822E-05	0.000111369	4.08393E-05
167	0.000122657	0.00012814	2.7265E-05	0.000103347	3.78106E-05	0.000122586	0.000127523	1.80694E-05	0.000103347	4.02496E-05
168	0.00011087	0.00011583	2.45717E-05	9.72465E-05	3.77028E-05	0.000112162	0.000116743	1.52047E-05	9.72465E-05	4.01307E-05
169	9.62063E-05	0.000100511	2.13267E-05	8.84251E-05	3.76419E-05	9.87293E-05	0.000102825	1.20291E-05	8.84251E-05	4.00642E-05
170	9.24576E-05	9.65981E-05	2.04294E-05	8.69282E-05	3.73836E-05	9.55833E-05	9.95805E-05	1.09764E-05	8.69282E-05	3.97766E-05
171	9.11522E-05	9.52313E-05	2.01929E-05	8.69896E-05	3.75016E-05	9.46671E-05	9.86429E-05	1.05142E-05	8.69896E-05	3.99087E-05
172	9.26783E-05	9.68194E-05	2.06384E-05	8.94507E-05	3.83454E-05	9.65708E-05	0.000100636	1.05262E-05	8.94507E-05	4.08486E-05
173	9.79308E-05	0.000102298	2.1951E-05	9.46488E-05	3.97029E-05	0.000102048	0.000106338	1.12484E-05	9.46488E-05	4.23585E-05
174	0.000105465	0.000110169	2.36379E-05	0.000100468	4.0147E-05	0.000109395	0.00011397	1.25655E-05	0.000100468	4.23051E-05
175	0.000110244	0.000115133	2.51929E-05	0.000104834	0.000130665	0.000114185	0.000118914	1.40853E-05	0.000104834	0.000126595
176	0.000110047	0.000114899	2.56399E-05	0.00010572	0.000130393	0.000114248	0.000118953	1.46468E-05	0.00010572	0.000125743
177	0.00010899	0.000113798	2.53545E-05	0.000103598	0.000130718	0.000112775	0.000117406	1.47613E-05	0.000103598	0.000126102
178	0.000106844	0.000111562	2.47788E-05	9.99013E-05	0.000130602	0.000109999	0.000114495	1.48401E-05	9.99013E-05	0.00012597
179	0.000104814	0.000109448	2.41998E-05	9.63319E-05	0.000130257	0.000107359	0.000111726	1.49091E-05	9.63319E-05	0.000125584
180	0.000102231	0.000106757	2.34886E-05	9.34762E-05	0.000115163	0.000104581	0.000108833	1.45844E-05	9.34762E-05	0.000111525
181	0.00010025	0.000104692	2.29897E-05	9.12302E-05	0.000114915	0.000102417	0.000106576	1.43823E-05	9.12302E-05	0.00011125
182	9.9261E-05	0.00010366	2.27425E-05	9.09236E-05	0.000114394	0.000101621	0.000105757	1.40746E-05	9.09236E-05	0.00011067
183	0.000100651	0.00010511	2.30726E-05	9.27279E-05	0.000128416	0.000103226	0.000107435	1.41442E-05	9.27279E-05	0.000123537
184	0.000107517	0.000112283	2.46077E-05	9.90868E-05	0.000127537	0.000110293	0.000114792	1.50735E-05	9.90868E-05	0.00012256
185	0.000118783	0.000124058	2.70187E-05	0.000109037	0.000126912	0.000121753	0.000126719	1.66465E-05	0.000109037	0.000121865
186	0.000132259	0.000138137	3.00023E-05	0.000118293	0.000126395	0.000134501	0.000139945	1.92728E-05	0.000118293	0.000121291
187	0.000143904	0.000150293	3.27626E-05	0.00012372	9.62812E-05	0.000144555	0.00015033	2.23256E-05	0.00012372	9.32609E-05
188	0.000145826	0.000152293	3.3322E-05	0.000122765	6.77133E-05	0.000145531	0.000151303	2.33742E-05	0.000122765	6.74965E-05
189	0.000143227	0.000149603	3.2307E-05	0.000118083	5.22085E-05	0.000142149	0.000147789	2.27819E-05	0.000118083	5.29849E-05
190	0.00013561	0.000141673	3.01398E-05	0.000111369	3.83418E-05	0.00013453	0.000139902	2.0822E-05	0.000111369	4.08393E-05
191	0.000122657	0.00012814	2.7265E-05	0.000103347	3.78106E-05	0.000122586	0.000127523	1.80694E-05	0.000103347	4.02496E-05
192	0.00011087	0.00011583	2.45717E-05	9.72465E-05	3.77028E-05	0.000112162	0.000116743	1.52047E-05	9.72465E-05	4.01307E-05
193	9.5733E-05	0.000100017	2.12021E-05	8.78329E-05	3.72343E-05	9.81944E-05	0.000102267	1.19912E-05	8.78329E-05	3.96096E-05
194	9.29698E-05	9.71328E-05	2.05513E-05	8.74899E-05	3.75551E-05	9.61386E-05	0.00010016	1.10286E-05	8.74899E-05	3.99677E-05
195	9.16092E-05	9.57088E-05	2.02933E-05	8.74396E-05	3.76319E-05	9.51474E-05	9.91434E-05	1.0568E-05	8.74396E-05	4.00538E-05
196	9.32661E-05	9.74333E-05	2.07754E-05	9.00775E-05	3.853E-05	9.72028E-05	0.000101295	1.05886E-05	9.00775E-05	4.10543E-05
197	9.86211E-05	0.000103019	2.21097E-05	9.53724E-05	3.99515E-05	0.000102786	0.000107108	1.13234E-05	9.53724E-05	4.26354E-05
198	0.000106111	0.000110843	2.37872E-05	0.000101149	4.04258E-05	0.000110087	0.000114691	1.2635E-05	0.000101149	4.26154E-05
199	0.000112572	0.000117582	2.54274E-05	0.000105766	0.000131037	0.000116216	0.000121035	1.42231E-05	0.000105766	0.000127009
200	0.000110835	0.000115721	2.58317E-05	0.000106611	0.000130845	0.00011511	0.000119853	1.47231E-05	0.000106611	0.000126246
201	0.000109832	0.000114676	2.55549E-05	0.000104522	0.000131204	0.000113688	0.000118358	1.48468E-05	0.000104522	0.000126642
202	0.000107514	0.00011226	2.49528E-05	0.000100725	0.000131046	0.000110751	0.00011528	1.48956E-05	0.000100725	0.000126463
203	0.000105352	0.000110008	2.43511E-05	9.70644E-05	0.00013077	0.000107984	0.000112379	1.49436E-05	9.70644E-05	0.000126154
204	0.000102785	0.000107335	2.3641E-05	9.42098E-05	0.000115636	0.00010522	0.0001095	1.4623E-05	9.42098E-05	0.00011205
205	0.000100814	0.000105279	2.31497E-05	9.20064E-05	0.000115381	0.000103075	0.000107264	1.44174E-05	9.20064E-05	0.000111767
206	9.97694E-05	0.000104189	2.28859E-05	9.16183E-05	0.000114849	0.000102213	0.000106376	1.4107E-05	9.16183E-05	0.000111176
207	0.00010122	0.000105704	2.32312E-05	9.34936E-05	0.000128843	0.000103886	0.000108124	1.41824E-05	9.34936E-05	0.000124012
208	0.00010817	0.000112964	2.47778E-05	9.98932E-05	0.000127883	0.000111028	0.000115559	1.51274E-05	9.98932E-05	0.000122944
209	0.000119648	0.000124962	2.72203E-05	0.00010996	0.000127202	0.000122684	0.000127689	1.67383E-05	0.00010996	0.000122187
210	0.000133295	0.000139219	3.02388E-05	0.000119368	0.00012667	0.000135606	0.000141096	1.93869E-05	0.000119368	0.000121596
211	0.000145018	0.000151457	3.30163E-05	0.000124871	9.65448E-05	0.000145742	0.000151567	2.2449E-05	0.000124871	9.3554E-05
212	0.000146922	0.000153438	3.35681E-05	0.000123877	6.7969E-05	0.000146693	0.000152514	2.34986E-05	0.000123877	6.77809E-05
213	0.000142497	0.000148824	3.2433E-05	0.000118783	5.24587E-05	0.000141815	0.000147437	2.28239E-05	0.000118783	5.32632E-05
214	0.000136301	0.000142394	3.03059E-05	0.000112137	3.85704E-05	0.000135282	0.000140686	2.0891E-05	0.000112137	4.10938E-05
215	0.000123286	0.000128797	2.74173E-05	0.000104053	3.79868E-05	0.000123273	0.00012824	1.81313E-05	0.000104053	4.0446E-05
216	0.000111368	0.00011635	2.46883E-05	9.77813E-05	3.77968E-05	0.000112699	0.000117303	1.5257E-05	9.77813E-05	4.02356E-05
217	9.5733E-05	0.000100017	2.12021E-05	8.78329E-05	3.72343E-05	9.81944E-05	0.000102267	1.19912E-05	8.78329E-05	3.96096E-05
218	9.29698E-05	9.71328E-05	2.05513E-05	8.74899E-05	3.75551E-05	9.61386E-05	0.00010016	1.10286E-05	8.74899E-05	3.99677E-05
219	9.16092E-05	9.57088E-05	2.02933E-05	8.74396E-05	3.76319E-05	9.51474E-05	9.91434E-05	1.0568E-05	8.74396E-05	4.00538E-05

220	9.32661E-05	9.74333E-05	2.07754E-05	9.00775E-05	3.853E-05	9.72028E-05	0.000101295	1.05886E-05	9.00775E-05	4.10543E-05
221	9.86211E-05	0.000103019	2.21097E-05	9.53724E-05	3.99515E-05	0.000102786	0.000107108	1.13234E-05	9.53724E-05	4.26354E-05
222	0.000106111	0.000110843	2.37872E-05	0.000101149	4.04258E-05	0.000110087	0.000114691	1.2635E-05	0.000101149	4.26154E-05
223	0.000112572	0.000117582	2.54274E-05	0.000105766	0.000131037	0.000116216	0.000121035	1.42231E-05	0.000105766	0.000127009
224	0.000110835	0.000115721	2.58317E-05	0.000106611	0.000130845	0.00011511	0.000119853	1.47231E-05	0.000106611	0.000126246
225	0.000109832	0.000114676	2.55549E-05	0.000104522	0.000131204	0.000113688	0.000118358	1.48468E-05	0.000104522	0.000126642
226	0.000107514	0.00011226	2.49528E-05	0.000100725	0.000131046	0.000110751	0.00011528	1.48956E-05	0.000100725	0.000126463
227	0.000105352	0.000110008	2.43511E-05	9.70644E-05	0.00013077	0.000107984	0.000112379	1.49436E-05	9.70644E-05	0.000126154
228	0.000102785	0.000107335	2.3641E-05	9.42098E-05	0.000115636	0.00010522	0.0001095	1.4623E-05	9.42098E-05	0.00011205
229	0.000100814	0.000105279	2.31497E-05	9.20064E-05	0.000115381	0.000103075	0.000107264	1.44174E-05	9.20064E-05	0.000111767
230	9.97694E-05	0.000104189	2.28859E-05	9.16183E-05	0.000114849	0.000102213	0.000106376	1.4107E-05	9.16183E-05	0.000111176
231	0.00010122	0.000105704	2.32312E-05	9.34936E-05	0.000128843	0.000103886	0.000108124	1.41824E-05	9.34936E-05	0.000124012
232	0.00010817	0.000112964	2.47778E-05	9.98932E-05	0.000127883	0.000111028	0.000115559	1.51274E-05	9.98932E-05	0.000122944
233	0.000119648	0.000124962	2.72203E-05	0.00010996	0.000127202	0.000122684	0.000127689	1.67383E-05	0.00010996	0.000122187
234	0.000133295	0.000139219	3.02388E-05	0.000119368	0.00012667	0.000135606	0.000141096	1.93869E-05	0.000119368	0.000121596
235	0.000145018	0.000151457	3.30163E-05	0.000124871	9.65448E-05	0.000145742	0.000151567	2.2449E-05	0.000124871	9.3554E-05
236	0.000146922	0.000153438	3.35681E-05	0.000123877	6.7969E-05	0.000146693	0.000152514	2.34986E-05	0.000123877	6.77809E-05
237	0.000142497	0.000148824	3.2433E-05	0.000118783	5.24587E-05	0.000141815	0.000147437	2.28239E-05	0.000118783	5.32632E-05
238	0.000136301	0.000142394	3.03059E-05	0.000112137	3.85704E-05	0.000135282	0.000140686	2.0891E-05	0.000112137	4.10938E-05
239	0.000123286	0.000128797	2.74173E-05	0.000104053	3.79868E-05	0.000123273	0.00012824	1.81313E-05	0.000104053	4.0446E-05
240	0.000111368	0.00011635	2.46883E-05	9.77813E-05	3.77968E-05	0.000112699	0.000117303	1.5257E-05	9.77813E-05	4.02356E-05
241	9.62063E-05	0.000100511	2.13267E-05	8.84251E-05	3.76419E-05	9.87293E-05	0.000102825	1.20291E-05	8.84251E-05	4.00642E-05
242	9.24576E-05	9.65981E-05	2.04294E-05	8.69282E-05	3.73836E-05	9.55833E-05	9.95805E-05	1.09764E-05	8.69282E-05	3.97766E-05
243	9.11522E-05	9.52313E-05	2.01929E-05	8.69896E-05	3.75016E-05	9.46671E-05	9.86429E-05	1.05142E-05	8.69896E-05	3.99087E-05
244	9.26783E-05	9.68194E-05	2.06384E-05	8.94507E-05	3.83454E-05	9.65708E-05	0.000100636	1.05262E-05	8.94507E-05	4.08486E-05
245	9.79308E-05	0.000102298	2.1951E-05	9.46488E-05	3.97029E-05	0.000102048	0.000106338	1.12484E-05	9.46488E-05	4.23585E-05
246	0.000105465	0.000110169	2.36379E-05	0.000100468	4.0147E-05	0.000109395	0.00011397	1.25655E-05	0.000100468	4.23051E-05
247	0.000110244	0.000115133	2.51929E-05	0.000104834	0.000130665	0.000114185	0.000118914	1.40853E-05	0.000104834	0.000126595
248	0.000110047	0.000114899	2.56399E-05	0.00010572	0.000130393	0.000114248	0.000118953	1.46468E-05	0.00010572	0.000125743
249	0.00010899	0.000113798	2.53545E-05	0.000103598	0.000130718	0.000112775	0.000117406	1.47613E-05	0.000103598	0.000126102
250	0.000106844	0.000111562	2.47788E-05	9.99013E-05	0.000130602	0.000109999	0.000114495	1.48401E-05	9.99013E-05	0.00012597
251	0.000104814	0.000109448	2.41998E-05	9.63319E-05	0.000130257	0.000107359	0.000111726	1.49091E-05	9.63319E-05	0.000125584
252	0.000102231	0.000106757	2.34886E-05	9.34762E-05	0.000115163	0.000104581	0.000108833	1.45844E-05	9.34762E-05	0.000111525
253	0.00010025	0.000104692	2.29897E-05	9.12302E-05	0.000114915	0.000102417	0.000106576	1.43823E-05	9.12302E-05	0.00011125
254	9.9261E-05	0.00010366	2.27425E-05	9.09236E-05	0.000114394	0.000101621	0.000105757	1.40746E-05	9.09236E-05	0.00011067
255	0.000100651	0.00010511	2.30726E-05	9.27279E-05	0.000128416	0.000103226	0.000107435	1.41442E-05	9.27279E-05	0.000123537
256	0.000107517	0.000112283	2.46077E-05	9.90868E-05	0.000127537	0.000110293	0.000114792	1.50735E-05	9.90868E-05	0.00012256
257	0.000118783	0.000124058	2.70187E-05	0.000109037	0.000126912	0.000121753	0.000126719	1.66465E-05	0.000109037	0.000121865
258	0.000132259	0.000138137	3.00023E-05	0.000118293	0.000126395	0.000134501	0.000139945	1.92728E-05	0.000118293	0.000121291
259	0.000143904	0.000150293	3.27626E-05	0.00012372	9.62812E-05	0.000144555	0.00015033	2.23256E-05	0.00012372	9.32609E-05
260	0.000145826	0.000152293	3.3322E-05	0.000122765	6.77133E-05	0.000145531	0.000151303	2.33742E-05	0.000122765	6.74965E-05
261	0.000143227	0.000149603	3.2307E-05	0.000118083	5.22085E-05	0.000142149	0.000147789	2.27819E-05	0.000118083	5.29849E-05
262	0.00013561	0.000141673	3.01398E-05	0.000111369	3.83418E-05	0.00013453	0.000139902	2.0822E-05	0.000111369	4.08393E-05
263	0.000122657	0.00012814	2.7265E-05	0.000103347	3.78106E-05	0.000122586	0.000127523	1.80694E-05	0.000103347	4.02496E-05
264	0.00011087	0.00011583	2.45717E-05	9.72465E-05	3.77028E-05	0.000112162	0.000116743	1.52047E-05	9.72465E-05	4.01307E-05
265	9.62063E-05	0.000100511	2.13267E-05	8.84251E-05	3.76419E-05	9.87293E-05	0.000102825	1.20291E-05	8.84251E-05	4.00642E-05
266	9.24576E-05	9.65981E-05	2.04294E-05	8.69282E-05	3.73836E-05	9.55833E-05	9.95805E-05	1.09764E-05	8.69282E-05	3.97766E-05
267	9.11522E-05	9.52313E-05	2.01929E-05	8.69896E-05	3.75016E-05	9.46671E-05	9.86429E-05	1.05142E-05	8.69896E-05	3.99087E-05
268	9.26783E-05	9.68194E-05	2.06384E-05	8.94507E-05	3.83454E-05	9.65708E-05	0.000100636	1.05262E-05	8.94507E-05	4.08486E-05
269	9.79308E-05	0.000102298	2.1951E-05	9.46488E-05	3.97029E-05	0.000102048	0.000106338	1.12484E-05	9.46488E-05	4.23585E-05
270	0.000105465	0.000110169	2.36379E-05	0.000100468	4.0147E-05	0.000109395	0.00011397	1.25655E-05	0.000100468	4.23051E-05
271	0.000110244	0.000115133	2.51929E-05	0.000104834	0.000130665	0.000114185	0.000118914	1.40853E-05	0.000104834	0.000126595
272	0.000110047	0.000114899	2.56399E-05	0.00010572	0.000130393	0.000114248	0.000118953	1.46468E-05	0.00010572	0.000125743
273	0.00010899	0.000113798	2.53545E-05	0.000103598	0.000130718	0.000112775	0.000117406	1.47613E-05	0.000103598	0.000126102
274	0.000106844	0.000111562	2.47788E-05	9.99013E-05	0.000130602	0.000109999	0.000114495	1.48401E-05	9.99013E-05	0.00012597
275	0.000104814	0.000109448	2.41998E-05	9.63319E-05	0.000130257	0.000107359	0.000111726	1.49091E-05	9.63319E-05	0.000125584
276	0.000102231	0.000106757	2.34886E-05	9.34762E-05	0.000115163	0.000104581	0.000108833	1.45844E-05	9.34762E-05	0.000111525
277	0.00010025	0.000104692	2.29897E-05	9.12302E-05	0.000114915	0.000102417	0.000106576	1.43823E-05	9.12302E-05	0.00011125
278	9.9261E-05	0.00010366	2.27425E-05	9.09236E-05	0.000114394	0.000101621	0.000105757	1.40746E-05	9.09236E-05	0.00011067
279	0.000100651	0.00010511	2.30726E-05	9.27279E-05	0.000128416	0.000103226	0.000107435	1.41442E-05	9.27279E-05	0.000123537
280	0.000107517	0.000112283	2.46077E-05	9.90868E-05	0.000127537	0.000110293	0.000114792	1.50735E-05	9.90868E-05	0.00012256
281	0.000118783	0.000124058	2.70187E-05	0.000109037	0.000126912	0.000121753	0.000126719	1.66465E-05	0.000109037	0.000121865
282	0.000132259	0.000138137	3.00023E-05	0.000118293	0.000126395	0.000134501	0.000139945	1.92728E-05	0.000118293	0.000121291
283	0.000143904	0.000150293	3.27626E-05	0.00012372	9.62812E-05	0.000144555	0.00015033	2.23256E-05	0.00012372	9.32609E-05
284	0.000145826	0.000152293	3.3322E-05	0.000122765	6.77133E-05	0.000145531	0.000151303	2.33742E-05	0.000122765	6.74965E-05
285	0.000143227	0.000149603	3.2307E-05	0.000118083	5.22085E-05	0.000142149	0.000147789	2.27819E-05	0.000118083	5.29849E-05
286	0.00013561	0.000141673	3.01398E-05	0.000111369	3.83418E-05	0.00013453	0.000139902	2.0822E-05	0.000111369	4.08393E-05
287	0.000122657	0.00012814	2.7265E-05	0.000103347	3.78106E-05	0.000122586	0.000127523	1.80694E-05	0.000103347	4.02496E-05
288	0.00011087	0.00011583	2.45717E-05	9.72465E-05	3.77028E-05	0.000112162	0.000116743	1.52047E-05	9.72465E-05	4.01307E-05
289	9.62063E-05	0.000100511	2.13267E-05	8.84251E-05	3.76419E-05	9.87293E-05	0.000102825	1.20291E-05	8.84251E-05	4.00642E-05
290	9.24576E-05	9.65981E-05	2.04294E-05	8.69282E-05	3.73836E-05	9.55833E-05	9.95805E-05	1.09764E-05	8.69282E-05	3.97766E-05
291	9.11522E-05	9.52313E-05	2.01929E-05	8.69896E-05	3.75016E-05	9.46671E-05	9.86429E-05	1.05142E-05	8.69896E-05	3.99087E-05
292	9.26783E-05	9.68194E-05	2.06384E-05	8.94507E-05	3.83454E-05	9.65708E-05	0.000100636	1.05262E-05	8.94507E-05	4.08486E-05
293	9.79308E-05	0.000102298	2.1951E-05	9.46488E-05	3.97029E-05	0.000102048	0.000106338	1.12484E-05	9.46488E-05	4.23585E-05
294	0.000105465	0.000110169	2.36379E-05	0.000100468	4.0147E-05	0.000109395	0.00011397	1.25655E-05	0.000100468	4.23051E-05
295	0.000110244	0.000115133	2.51929E-05	0.000104834	0.000130665	0.000114185	0.000118914	1.40853E-05	0.000104834	0.000126595

296	0.000110047	0.000114899	2.56399E-05	0.00010572	0.000130393	0.000114248	0.000118953	1.46468E-05	0.00010572	0.000125743
297	0.00010899	0.000113798	2.53545E-05	0.000103598	0.000130718	0.000112775	0.000117406	1.47613E-05	0.000103598	0.000126102
298	0.000106844	0.000111562	2.47788E-05	9.99013E-05	0.000130602	0.000109999	0.000114495	1.48401E-05	9.99013E-05	0.00012597
299	0.000104814	0.000109448	2.41998E-05	9.63319E-05	0.000130257	0.000107359	0.000111726	1.49091E-05	9.63319E-05	0.000125584
300	0.000102231	0.000106757	2.34886E-05	9.34762E-05	0.000115163	0.000104581	0.000108833	1.45844E-05	9.34762E-05	0.000111525
301	0.00010025	0.000104692	2.29897E-05	9.12302E-05	0.000114915	0.000102417	0.000106576	1.43823E-05	9.12302E-05	0.00011125
302	9.9261E-05	0.00010366	2.27425E-05	9.09236E-05	0.000114394	0.000101621	0.000105757	1.40746E-05	9.09236E-05	0.00011067
303	0.000100651	0.00010511	2.30726E-05	9.27279E-05	0.000128416	0.000103226	0.000107435	1.41442E-05	9.27279E-05	0.000123537
304	0.000107517	0.000112283	2.46077E-05	9.90868E-05	0.000127537	0.000110293	0.000114792	1.50735E-05	9.90868E-05	0.00012256
305	0.000118783	0.000124058	2.70187E-05	0.000109037	0.000126912	0.000121753	0.000126719	1.66465E-05	0.000109037	0.000121865
306	0.000132259	0.000138137	3.00023E-05	0.000118293	0.000126395	0.000134501	0.000139945	1.92728E-05	0.000118293	0.000121291
307	0.000143904	0.000150293	3.27626E-05	0.00012372	9.62812E-05	0.000144555	0.00015033	2.23256E-05	0.00012372	9.32609E-05
308	0.000145826	0.000152293	3.3322E-05	0.000122765	6.77133E-05	0.000145531	0.000151303	2.33742E-05	0.000122765	6.74965E-05
309	0.000143227	0.000149603	3.2307E-05	0.000118083	5.22085E-05	0.000142149	0.000147789	2.27819E-05	0.000118083	5.29849E-05
310	0.00013561	0.000141673	3.01398E-05	0.000111369	3.83418E-05	0.00013453	0.000139902	2.0822E-05	0.000111369	4.08393E-05
311	0.000122657	0.00012814	2.7265E-05	0.000103347	3.78106E-05	0.000122586	0.000127523	1.80694E-05	0.000103347	4.02496E-05
312	0.00011087	0.00011583	2.45717E-05	9.72465E-05	3.77028E-05	0.000112162	0.000116743	1.52047E-05	9.72465E-05	4.01307E-05
313	9.62063E-05	0.000100511	2.13267E-05	8.84251E-05	3.76419E-05	9.87293E-05	0.000102825	1.20291E-05	8.84251E-05	4.00642E-05
314	9.24576E-05	9.65981E-05	2.04294E-05	8.69282E-05	3.73836E-05	9.55833E-05	9.95805E-05	1.09764E-05	8.69282E-05	3.97766E-05
315	9.11522E-05	9.52313E-05	2.01929E-05	8.69896E-05	3.75016E-05	9.46671E-05	9.86429E-05	1.05142E-05	8.69896E-05	3.99087E-05
316	9.26783E-05	9.68194E-05	2.06384E-05	8.94507E-05	3.83454E-05	9.65708E-05	0.000100636	1.05262E-05	8.94507E-05	4.08486E-05
317	9.79308E-05	0.000102298	2.1951E-05	9.46488E-05	3.97029E-05	0.000102048	0.000106338	1.12484E-05	9.46488E-05	4.23585E-05
318	0.000105465	0.000110169	2.36379E-05	0.000100468	4.0147E-05	0.000109395	0.00011397	1.25655E-05	0.000100468	4.23051E-05
319	0.000110244	0.000115133	2.51929E-05	0.000104834	0.000130665	0.000114185	0.000118914	1.40853E-05	0.000104834	0.000126595
320	0.000110047	0.000114899	2.56399E-05	0.00010572	0.000130393	0.000114248	0.000118953	1.46468E-05	0.00010572	0.000125743
321	0.00010899	0.000113798	2.53545E-05	0.000103598	0.000130718	0.000112775	0.000117406	1.47613E-05	0.000103598	0.000126102
322	0.000106844	0.000111562	2.47788E-05	9.99013E-05	0.000130602	0.000109999	0.000114495	1.48401E-05	9.99013E-05	0.00012597
323	0.000104814	0.000109448	2.41998E-05	9.63319E-05	0.000130257	0.000107359	0.000111726	1.49091E-05	9.63319E-05	0.000125584
324	0.000102231	0.000106757	2.34886E-05	9.34762E-05	0.000115163	0.000104581	0.000108833	1.45844E-05	9.34762E-05	0.000111525
325	0.00010025	0.000104692	2.29897E-05	9.12302E-05	0.000114915	0.000102417	0.000106576	1.43823E-05	9.12302E-05	0.00011125
326	9.9261E-05	0.00010366	2.27425E-05	9.09236E-05	0.000114394	0.000101621	0.000105757	1.40746E-05	9.09236E-05	0.00011067
327	0.000100651	0.00010511	2.30726E-05	9.27279E-05	0.000128416	0.000103226	0.000107435	1.41442E-05	9.27279E-05	0.000123537
328	0.000107517	0.000112283	2.46077E-05	9.90868E-05	0.000127537	0.000110293	0.000114792	1.50735E-05	9.90868E-05	0.00012256
329	0.000118783	0.000124058	2.70187E-05	0.000109037	0.000126912	0.000121753	0.000126719	1.66465E-05	0.000109037	0.000121865
330	0.000132259	0.000138137	3.00023E-05	0.000118293	0.000126395	0.000134501	0.000139945	1.92728E-05	0.000118293	0.000121291
331	0.000143904	0.000150293	3.27626E-05	0.00012372	9.62812E-05	0.000144555	0.00015033	2.23256E-05	0.00012372	9.32609E-05
332	0.000145826	0.000152293	3.3322E-05	0.000122765	6.77133E-05	0.000145531	0.000151303	2.33742E-05	0.000122765	6.74965E-05
333	0.000143227	0.000149603	3.2307E-05	0.000118083	5.22085E-05	0.000142149	0.000147789	2.27819E-05	0.000118083	5.29849E-05
334	0.00013561	0.000141673	3.01398E-05	0.000111369	3.83418E-05	0.00013453	0.000139902	2.0822E-05	0.000111369	4.08393E-05
335	0.000122657	0.00012814	2.7265E-05	0.000103347	3.78106E-05	0.000122586	0.000127523	1.80694E-05	0.000103347	4.02496E-05
336	0.00011087	0.00011583	2.45717E-05	9.72465E-05	3.77028E-05	0.000112162	0.000116743	1.52047E-05	9.72465E-05	4.01307E-05
337	9.62063E-05	0.000100511	2.13267E-05	8.84251E-05	3.76419E-05	9.87293E-05	0.000102825	1.20291E-05	8.84251E-05	4.00642E-05
338	9.24576E-05	9.65981E-05	2.04294E-05	8.69282E-05	3.73836E-05	9.55833E-05	9.95805E-05	1.09764E-05	8.69282E-05	3.97766E-05
339	9.11522E-05	9.52313E-05	2.01929E-05	8.69896E-05	3.75016E-05	9.46671E-05	9.86429E-05	1.05142E-05	8.69896E-05	3.99087E-05
340	9.26783E-05	9.68194E-05	2.06384E-05	8.94507E-05	3.83454E-05	9.65708E-05	0.000100636	1.05262E-05	8.94507E-05	4.08486E-05
341	9.79308E-05	0.000102298	2.1951E-05	9.46488E-05	3.97029E-05	0.000102048	0.000106338	1.12484E-05	9.46488E-05	4.23585E-05
342	0.000105465	0.000110169	2.36379E-05	0.000100468	4.0147E-05	0.000109395	0.00011397	1.25655E-05	0.000100468	4.23051E-05
343	0.000110244	0.000115133	2.51929E-05	0.000104834	0.000130665	0.000114185	0.000118914	1.40853E-05	0.000104834	0.000126595
344	0.000110047	0.000114899	2.56399E-05	0.00010572	0.000130393	0.000114248	0.000118953	1.46468E-05	0.00010572	0.000125743
345	0.00010899	0.000113798	2.53545E-05	0.000103598	0.000130718	0.000112775	0.000117406	1.47613E-05	0.000103598	0.000126102
346	0.000106844	0.000111562	2.47788E-05	9.99013E-05	0.000130602	0.000109999	0.000114495	1.48401E-05	9.99013E-05	0.00012597
347	0.000104814	0.000109448	2.41998E-05	9.63319E-05	0.000130257	0.000107359	0.000111726	1.49091E-05	9.63319E-05	0.000125584
348	0.000102231	0.000106757	2.34886E-05	9.34762E-05	0.000115163	0.000104581	0.000108833	1.45844E-05	9.34762E-05	0.000111525
349	0.00010025	0.000104692	2.29897E-05	9.12302E-05	0.000114915	0.000102417	0.000106576	1.43823E-05	9.12302E-05	0.00011125
350	9.9261E-05	0.00010366	2.27425E-05	9.09236E-05	0.000114394	0.000101621	0.000105757	1.40746E-05	9.09236E-05	0.00011067
351	0.000100651	0.00010511	2.30726E-05	9.27279E-05	0.000128416	0.000103226	0.000107435	1.41442E-05	9.27279E-05	0.000123537
352	0.000107517	0.000112283	2.46077E-05	9.90868E-05	0.000127537	0.000110293	0.000114792	1.50735E-05	9.90868E-05	0.00012256
353	0.000118783	0.000124058	2.70187E-05	0.000109037	0.000126912	0.000121753	0.000126719	1.66465E-05	0.000109037	0.000121865
354	0.000132259	0.000138137	3.00023E-05	0.000118293	0.000126395	0.000134501	0.000139945	1.92728E-05	0.000118293	0.000121291
355	0.000143904	0.000150293	3.27626E-05	0.00012372	9.62812E-05	0.000144555	0.00015033	2.23256E-05	0.00012372	9.32609E-05
356	0.000145826	0.000152293	3.3322E-05	0.000122765	6.77133E-05	0.000145531	0.000151303	2.33742E-05	0.000122765	6.74965E-05
357	0.000143227	0.000149603	3.2307E-05	0.000118083	5.22085E-05	0.000142149	0.000147789	2.27819E-05	0.000118083	5.29849E-05
358	0.00013561	0.000141673	3.01398E-05	0.000111369	3.83418E-05	0.00013453	0.000139902	2.0822E-05	0.000111369	4.08393E-05
359	0.000122657	0.00012814	2.7265E-05	0.000103347	3.78106E-05	0.000122586	0.000127523	1.80694E-05	0.000103347	4.02496E-05
360	0.00011087	0.00011583	2.45717E-05	9.72465E-05	3.77028E-05	0.000112162	0.000116743	1.52047E-05	9.72465E-05	4.01307E-05
361	9.5733E-05	0.000100017	2.12021E-05	8.78329E-05	3.72343E-05	9.81944E-05	0.000102267	1.19912E-05	8.78329E-05	3.96096E-05
362	9.29698E-05	9.71328E-05	2.05513E-05	8.74899E-05	3.75551E-05	9.61386E-05	0.00010016	1.10286E-05	8.74899E-05	3.99677E-05
363	9.16092E-05	9.57088E-05	2.02933E-05	8.74396E-05	3.76319E-05	9.51474E-05	9.91434E-05	1.0568E-05	8.74396E-05	4.00538E-05
364	9.32661E-05	9.74333E-05	2.07754E-05	9.00775E-05	3.853E-05	9.72028E-05	0.000101295	1.05886E-05	9.00775E-05	4.10543E-05
365	9.86211E-05	0.000103019	2.21097E-05	9.53724E-05	3.99515E-05	0.000102786	0.000107108	1.13234E-05	9.53724E-05	4.26354E-05
366	0.000106111	0.000110843	2.37872E-05	0.000101149	4.04258E-05	0.000110087	0.000114691	1.2635E-05	0.000101149	4.26154E-05
367	0.000112572	0.000117582	2.54274E-05	0.000105766	0.000131037	0.000116216	0.000121035	1.42231E-05	0.000105766	0.000127009
368	0.000110835	0.000115721	2.58317E-05	0.000106611	0.000130845	0.00011511	0.000119853	1.47231E-05	0.000106611	0.000126246
369	0.000109832	0.000114676	2.55549E-05	0.000104522	0.000131204	0.000113688	0.000118358	1.48468E-05	0.000104522	0.000126642
370	0.000107514	0.00011226	2.49528E-05	0.000100725	0.000131046	0.000110751	0.00011528	1.48956E-05	0.000100725	0.000126463
371	0.000105352	0.000110008	2.43511E-05	9.70644E-05	0.00013077	0.000107984	0.000112379	1.49436E-05	9.70644E-05	0.000126154

372	0.000102785	0.000107335	2.3641E-05	9.42098E-05	0.000115636	0.00010522	0.0001095	1.4623E-05	9.42098E-05	0.00011205
373	0.000100814	0.000105279	2.31497E-05	9.20064E-05	0.000115381	0.000103075	0.000107264	1.44174E-05	9.20064E-05	0.000111767
374	9.97694E-05	0.000104189	2.28859E-05	9.16183E-05	0.000114849	0.000102213	0.000106376	1.4107E-05	9.16183E-05	0.000111176
375	0.00010122	0.000105704	2.32312E-05	9.34936E-05	0.000128843	0.000103886	0.000108124	1.41824E-05	9.34936E-05	0.000124012
376	0.00010817	0.000112964	2.47778E-05	9.98932E-05	0.000127883	0.000111028	0.000115559	1.51274E-05	9.98932E-05	0.000122944
377	0.000119648	0.000124962	2.72203E-05	0.00010996	0.000127202	0.000122684	0.000127689	1.67383E-05	0.00010996	0.000122187
378	0.000133295	0.000139219	3.02388E-05	0.000119368	0.00012667	0.000135606	0.000141096	1.93869E-05	0.000119368	0.000121596
379	0.000145018	0.000151457	3.30163E-05	0.000124871	9.65448E-05	0.000145742	0.000151567	2.2449E-05	0.000124871	9.3554E-05
380	0.000146922	0.000153438	3.35681E-05	0.000123877	6.7969E-05	0.000146693	0.000152514	2.34986E-05	0.000123877	6.77809E-05
381	0.000142497	0.000148824	3.2433E-05	0.000118783	5.24587E-05	0.000141815	0.000147437	2.28239E-05	0.000118783	5.32632E-05
382	0.000136301	0.000142394	3.03059E-05	0.000112137	3.85704E-05	0.000135282	0.000140686	2.0891E-05	0.000112137	4.10938E-05
383	0.000123286	0.000128797	2.74173E-05	0.000104053	3.79868E-05	0.000123273	0.00012824	1.81313E-05	0.000104053	4.0446E-05
384	0.000111368	0.00011635	2.46883E-05	9.77813E-05	3.77968E-05	0.000112699	0.000117303	1.5257E-05	9.77813E-05	4.02356E-05
385	9.5733E-05	0.000100017	2.12021E-05	8.78329E-05	3.72343E-05	9.81944E-05	0.000102267	1.19912E-05	8.78329E-05	3.96096E-05
386	9.29698E-05	9.71328E-05	2.05513E-05	8.74899E-05	3.75551E-05	9.61386E-05	0.00010016	1.10286E-05	8.74899E-05	3.99677E-05
387	9.16092E-05	9.57088E-05	2.02933E-05	8.74396E-05	3.76319E-05	9.51474E-05	9.91434E-05	1.0568E-05	8.74396E-05	4.00538E-05
388	9.32661E-05	9.74333E-05	2.07754E-05	9.00775E-05	3.853E-05	9.72028E-05	0.000101295	1.05886E-05	9.00775E-05	4.10543E-05
389	9.86211E-05	0.000103019	2.21097E-05	9.53724E-05	3.99515E-05	0.000102786	0.000107108	1.13234E-05	9.53724E-05	4.26354E-05
390	0.000106111	0.000110843	2.37872E-05	0.000101149	4.04258E-05	0.000110087	0.000114691	1.2635E-05	0.000101149	4.26154E-05
391	0.000112572	0.000117582	2.54274E-05	0.000105766	0.000131037	0.000116216	0.000121035	1.42231E-05	0.000105766	0.000127009
392	0.000110835	0.000115721	2.58317E-05	0.000106611	0.000130845	0.00011511	0.000119853	1.47231E-05	0.000106611	0.000126246
393	0.000109832	0.000114676	2.55549E-05	0.000104522	0.000131204	0.000113688	0.000118358	1.48468E-05	0.000104522	0.000126642
394	0.000107514	0.00011226	2.49528E-05	0.000100725	0.000131046	0.000110751	0.00011528	1.48956E-05	0.000100725	0.000126463
395	0.000105352	0.000110008	2.43511E-05	9.70644E-05	0.00013077	0.000107984	0.000112379	1.49436E-05	9.70644E-05	0.000126154
396	0.000102785	0.000107335	2.3641E-05	9.42098E-05	0.000115636	0.00010522	0.0001095	1.4623E-05	9.42098E-05	0.00011205
397	0.000100814	0.000105279	2.31497E-05	9.20064E-05	0.000115381	0.000103075	0.000107264	1.44174E-05	9.20064E-05	0.000111767
398	9.97694E-05	0.000104189	2.28859E-05	9.16183E-05	0.000114849	0.000102213	0.000106376	1.4107E-05	9.16183E-05	0.000111176
399	0.00010122	0.000105704	2.32312E-05	9.34936E-05	0.000128843	0.000103886	0.000108124	1.41824E-05	9.34936E-05	0.000124012
400	0.00010817	0.000112964	2.47778E-05	9.98932E-05	0.000127883	0.000111028	0.000115559	1.51274E-05	9.98932E-05	0.000122944
401	0.000119648	0.000124962	2.72203E-05	0.00010996	0.000127202	0.000122684	0.000127689	1.67383E-05	0.00010996	0.000122187
402	0.000133295	0.000139219	3.02388E-05	0.000119368	0.00012667	0.000135606	0.000141096	1.93869E-05	0.000119368	0.000121596
403	0.000145018	0.000151457	3.30163E-05	0.000124871	9.65448E-05	0.000145742	0.000151567	2.2449E-05	0.000124871	9.3554E-05
404	0.000146922	0.000153438	3.35681E-05	0.000123877	6.7969E-05	0.000146693	0.000152514	2.34986E-05	0.000123877	6.77809E-05
405	0.000142497	0.000148824	3.2433E-05	0.000118783	5.24587E-05	0.000141815	0.000147437	2.28239E-05	0.000118783	5.32632E-05
406	0.000136301	0.000142394	3.03059E-05	0.000112137	3.85704E-05	0.000135282	0.000140686	2.0891E-05	0.000112137	4.10938E-05
407	0.000123286	0.000128797	2.74173E-05	0.000104053	3.79868E-05	0.000123273	0.00012824	1.81313E-05	0.000104053	4.0446E-05
408	0.000111368	0.00011635	2.46883E-05	9.77813E-05	3.77968E-05	0.000112699	0.000117303	1.5257E-05	9.77813E-05	4.02356E-05
409	9.5733E-05	0.000100017	2.12021E-05	8.78329E-05	3.72343E-05	9.81944E-05	0.000102267	1.19912E-05	8.78329E-05	3.96096E-05
410	9.29698E-05	9.71328E-05	2.05513E-05	8.74899E-05	3.75551E-05	9.61386E-05	0.00010016	1.10286E-05	8.74899E-05	3.99677E-05
411	9.16092E-05	9.57088E-05	2.02933E-05	8.74396E-05	3.76319E-05	9.51474E-05	9.91434E-05	1.0568E-05	8.74396E-05	4.00538E-05
412	9.32661E-05	9.74333E-05	2.07754E-05	9.00775E-05	3.853E-05	9.72028E-05	0.000101295	1.05886E-05	9.00775E-05	4.10543E-05
413	9.86211E-05	0.000103019	2.21097E-05	9.53724E-05	3.99515E-05	0.000102786	0.000107108	1.13234E-05	9.53724E-05	4.26354E-05
414	0.000106111	0.000110843	2.37872E-05	0.000101149	4.04258E-05	0.000110087	0.000114691	1.2635E-05	0.000101149	4.26154E-05
415	0.000112572	0.000117582	2.54274E-05	0.000105766	0.000131037	0.000116216	0.000121035	1.42231E-05	0.000105766	0.000127009
416	0.000110835	0.000115721	2.58317E-05	0.000106611	0.000130845	0.00011511	0.000119853	1.47231E-05	0.000106611	0.000126246
417	0.000109832	0.000114676	2.55549E-05	0.000104522	0.000131204	0.000113688	0.000118358	1.48468E-05	0.000104522	0.000126642
418	0.000107514	0.00011226	2.49528E-05	0.000100725	0.000131046	0.000110751	0.00011528	1.48956E-05	0.000100725	0.000126463
419	0.000105352	0.000110008	2.43511E-05	9.70644E-05	0.00013077	0.000107984	0.000112379	1.49436E-05	9.70644E-05	0.000126154
420	0.000102785	0.000107335	2.3641E-05	9.42098E-05	0.000115636	0.00010522	0.0001095	1.4623E-05	9.42098E-05	0.00011205
421	0.000100814	0.000105279	2.31497E-05	9.20064E-05	0.000115381	0.000103075	0.000107264	1.44174E-05	9.20064E-05	0.000111767
422	9.97694E-05	0.000104189	2.28859E-05	9.16183E-05	0.000114849	0.000102213	0.000106376	1.4107E-05	9.16183E-05	0.000111176
423	0.00010122	0.000105704	2.32312E-05	9.34936E-05	0.000128843	0.000103886	0.000108124	1.41824E-05	9.34936E-05	0.000124012
424	0.00010817	0.000112964	2.47778E-05	9.98932E-05	0.000127883	0.000111028	0.000115559	1.51274E-05	9.98932E-05	0.000122944
425	0.000119648	0.000124962	2.72203E-05	0.00010996	0.000127202	0.000122684	0.000127689	1.67383E-05	0.00010996	0.000122187
426	0.000133295	0.000139219	3.02388E-05	0.000119368	0.00012667	0.000135606	0.000141096	1.93869E-05	0.000119368	0.000121596
427	0.000145018	0.000151457	3.30163E-05	0.000124871	9.65448E-05	0.000145742	0.000151567	2.2449E-05	0.000124871	9.3554E-05
428	0.000146922	0.000153438	3.35681E-05	0.000123877	6.7969E-05	0.000146693	0.000152514	2.34986E-05	0.000123877	6.77809E-05
429	0.000142497	0.000148824	3.2433E-05	0.000118783	5.24587E-05	0.000141815	0.000147437	2.28239E-05	0.000118783	5.32632E-05
430	0.000136301	0.000142394	3.03059E-05	0.000112137	3.85704E-05	0.000135282	0.000140686	2.0891E-05	0.000112137	4.10938E-05
431	0.000123286	0.000128797	2.74173E-05	0.000104053	3.79868E-05	0.000123273	0.00012824	1.81313E-05	0.000104053	4.0446E-05
432	0.000111368	0.00011635	2.46883E-05	9.77813E-05	3.77968E-05	0.000112699	0.000117303	1.5257E-05	9.77813E-05	4.02356E-05
433	9.62063E-05	0.000100511	2.13267E-05	8.84251E-05	3.76419E-05	9.87293E-05	0.000102825	1.20291E-05	8.84251E-05	4.00642E-05
434	9.24576E-05	9.65981E-05	2.04294E-05	8.69282E-05	3.73836E-05	9.55833E-05	9.95805E-05	1.09764E-05	8.69282E-05	3.97766E-05
435	9.11522E-05	9.52313E-05	2.01929E-05	8.69896E-05	3.75016E-05	9.46671E-05	9.86429E-05	1.05142E-05	8.69896E-05	3.99087E-05
436	9.26783E-05	9.68194E-05	2.06384E-05	8.94507E-05	3.83454E-05	9.65708E-05	0.000100636	1.05262E-05	8.94507E-05	4.08486E-05
437	9.79308E-05	0.000102298	2.1951E-05	9.46488E-05	3.97029E-05	0.000102048	0.000106338	1.12484E-05	9.46488E-05	4.23585E-05
438	0.000105465	0.000110169	2.36379E-05	0.000100468	4.0147E-05	0.000109395	0.00011397	1.25655E-05	0.000100468	4.23051E-05
439	0.000110244	0.000115133	2.51929E-05	0.000104834	0.000130665	0.000114185	0.000118914	1.40853E-05	0.000104834	0.000126595
440	0.000110047	0.000114899	2.56399E-05	0.00010572	0.000130393	0.000114248	0.000118953	1.46468E-05	0.00010572	0.000125743
441	0.00010899	0.000113798	2.53545E-05	0.000103598	0.000130718	0.000112775	0.000117406	1.47613E-05	0.000103598	0.000126102
442	0.000106844	0.000111562	2.47788E-05	9.99013E-05	0.000130602	0.000109999	0.000114495	1.48401E-05	9.99013E-05	0.00012597
443	0.000104814	0.000109448	2.41998E-05	9.63319E-05	0.000130257	0.000107359	0.000111726	1.49091E-05	9.63319E-05	0.000125584
444	0.000102231	0.000106757	2.34886E-05	9.34762E-05	0.000115163	0.000104581	0.000108833	1.45844E-05	9.34762E-05	0.000111525
445	0.00010025	0.000104692	2.29897E-05	9.12302E-05	0.000114915	0.000102417	0.000106576	1.43823E-05	9.12302E-05	0.00011125
446	9.9261E-05	0.00010366	2.27425E-05	9.09236E-05	0.000114394	0.000101621	0.000105757	1.40746E-05	9.09236E-05	0.00011067
447	0.000100651	0.00010511	2.30726E-05	9.27279E-05	0.000128416	0.000103226	0.000107435	1.41442E-05	9.27279E-05	0.000123537

448	0.000107517	0.000112283	2.46077E-05	9.90868E-05	0.000127537	0.000110293	0.000114792	1.50735E-05	9.90868E-05	0.00012256
449	0.000118783	0.000124058	2.70187E-05	0.000109037	0.000126912	0.000121753	0.000126719	1.66465E-05	0.000109037	0.000121865
450	0.000132259	0.000138137	3.00023E-05	0.000118293	0.000126395	0.000134501	0.000139945	1.92728E-05	0.000118293	0.000121291
451	0.000143904	0.000150293	3.27626E-05	0.00012372	9.62812E-05	0.000144555	0.00015033	2.23256E-05	0.00012372	9.32609E-05
452	0.000145826	0.000152293	3.3322E-05	0.000122765	6.77133E-05	0.000145531	0.000151303	2.33742E-05	0.000122765	6.74965E-05
453	0.000143227	0.000149603	3.2307E-05	0.000118083	5.22085E-05	0.000142149	0.000147789	2.27819E-05	0.000118083	5.29849E-05
454	0.00013561	0.000141673	3.01398E-05	0.000111369	3.83418E-05	0.00013453	0.000139902	2.0822E-05	0.000111369	4.08393E-05
455	0.000122657	0.00012814	2.7265E-05	0.000103347	3.78106E-05	0.000122586	0.000127523	1.80694E-05	0.000103347	4.02496E-05
456	0.00011087	0.00011583	2.45717E-05	9.72465E-05	3.77028E-05	0.000112162	0.000116743	1.52047E-05	9.72465E-05	4.01307E-05
457	9.62063E-05	0.000100511	2.13267E-05	8.84251E-05	3.76419E-05	9.87293E-05	0.000102825	1.20291E-05	8.84251E-05	4.00642E-05
458	9.24576E-05	9.65981E-05	2.04294E-05	8.69282E-05	3.73836E-05	9.55833E-05	9.95805E-05	1.09764E-05	8.69282E-05	3.97766E-05
459	9.11522E-05	9.52313E-05	2.01929E-05	8.69896E-05	3.75016E-05	9.46671E-05	9.86429E-05	1.05142E-05	8.69896E-05	3.99087E-05
460	9.26783E-05	9.68194E-05	2.06384E-05	8.94507E-05	3.83454E-05	9.65708E-05	0.000100636	1.05262E-05	8.94507E-05	4.08486E-05
461	9.79308E-05	0.000102298	2.1951E-05	9.46488E-05	3.97029E-05	0.000102048	0.000106338	1.12484E-05	9.46488E-05	4.23585E-05
462	0.000105465	0.000110169	2.36379E-05	0.000100468	4.0147E-05	0.000109395	0.00011397	1.25655E-05	0.000100468	4.23051E-05
463	0.000110244	0.000115133	2.51929E-05	0.000104834	0.000130665	0.000114185	0.000118914	1.40853E-05	0.000104834	0.000126595
464	0.000110047	0.000114899	2.56399E-05	0.00010572	0.000130393	0.000114248	0.000118953	1.46468E-05	0.00010572	0.000125743
465	0.00010899	0.000113798	2.53545E-05	0.000103598	0.000130718	0.000112775	0.000117406	1.47613E-05	0.000103598	0.000126102
466	0.000106844	0.000111562	2.47788E-05	9.99013E-05	0.000130602	0.000109999	0.000114495	1.48401E-05	9.99013E-05	0.00012597
467	0.000104814	0.000109448	2.41998E-05	9.63319E-05	0.000130257	0.000107359	0.000111726	1.49091E-05	9.63319E-05	0.000125584
468	0.000102231	0.000106757	2.34886E-05	9.34762E-05	0.000115163	0.000104581	0.000108833	1.45844E-05	9.34762E-05	0.000111525
469	0.00010025	0.000104692	2.29897E-05	9.12302E-05	0.000114915	0.000102417	0.000106576	1.43823E-05	9.12302E-05	0.00011125
470	9.9261E-05	0.00010366	2.27425E-05	9.09236E-05	0.000114394	0.000101621	0.000105757	1.40746E-05	9.09236E-05	0.00011067
471	0.000100651	0.00010511	2.30726E-05	9.27279E-05	0.000128416	0.000103226	0.000107435	1.41442E-05	9.27279E-05	0.000123537
472	0.000107517	0.000112283	2.46077E-05	9.90868E-05	0.000127537	0.000110293	0.000114792	1.50735E-05	9.90868E-05	0.00012256
473	0.000118783	0.000124058	2.70187E-05	0.000109037	0.000126912	0.000121753	0.000126719	1.66465E-05	0.000109037	0.000121865
474	0.000132259	0.000138137	3.00023E-05	0.000118293	0.000126395	0.000134501	0.000139945	1.92728E-05	0.000118293	0.000121291
475	0.000143904	0.000150293	3.27626E-05	0.00012372	9.62812E-05	0.000144555	0.00015033	2.23256E-05	0.00012372	9.32609E-05
476	0.000145826	0.000152293	3.3322E-05	0.000122765	6.77133E-05	0.000145531	0.000151303	2.33742E-05	0.000122765	6.74965E-05
477	0.000143227	0.000149603	3.2307E-05	0.000118083	5.22085E-05	0.000142149	0.000147789	2.27819E-05	0.000118083	5.29849E-05
478	0.00013561	0.000141673	3.01398E-05	0.000111369	3.83418E-05	0.00013453	0.000139902	2.0822E-05	0.000111369	4.08393E-05
479	0.000122657	0.00012814	2.7265E-05	0.000103347	3.78106E-05	0.000122586	0.000127523	1.80694E-05	0.000103347	4.02496E-05
480	0.00011087	0.00011583	2.45717E-05	9.72465E-05	3.77028E-05	0.000112162	0.000116743	1.52047E-05	9.72465E-05	4.01307E-05
481	9.62063E-05	0.000100511	2.13267E-05	8.84251E-05	3.76419E-05	9.87293E-05	0.000102825	1.20291E-05	8.84251E-05	4.00642E-05
482	9.24576E-05	9.65981E-05	2.04294E-05	8.69282E-05	3.73836E-05	9.55833E-05	9.95805E-05	1.09764E-05	8.69282E-05	3.97766E-05
483	9.11522E-05	9.52313E-05	2.01929E-05	8.69896E-05	3.75016E-05	9.46671E-05	9.86429E-05	1.05142E-05	8.69896E-05	3.99087E-05
484	9.26783E-05	9.68194E-05	2.06384E-05	8.94507E-05	3.83454E-05	9.65708E-05	0.000100636	1.05262E-05	8.94507E-05	4.08486E-05
485	9.79308E-05	0.000102298	2.1951E-05	9.46488E-05	3.97029E-05	0.000102048	0.000106338	1.12484E-05	9.46488E-05	4.23585E-05
486	0.000105465	0.000110169	2.36379E-05	0.000100468	4.0147E-05	0.000109395	0.00011397	1.25655E-05	0.000100468	4.23051E-05
487	0.000110244	0.000115133	2.51929E-05	0.000104834	0.000130665	0.000114185	0.000118914	1.40853E-05	0.000104834	0.000126595
488	0.000110047	0.000114899	2.56399E-05	0.00010572	0.000130393	0.000114248	0.000118953	1.46468E-05	0.00010572	0.000125743
489	0.00010899	0.000113798	2.53545E-05	0.000103598	0.000130718	0.000112775	0.000117406	1.47613E-05	0.000103598	0.000126102
490	0.000106844	0.000111562	2.47788E-05	9.99013E-05	0.000130602	0.000109999	0.000114495	1.48401E-05	9.99013E-05	0.00012597
491	0.000104814	0.000109448	2.41998E-05	9.63319E-05	0.000130257	0.000107359	0.000111726	1.49091E-05	9.63319E-05	0.000125584
492	0.000102231	0.000106757	2.34886E-05	9.34762E-05	0.000115163	0.000104581	0.000108833	1.45844E-05	9.34762E-05	0.000111525
493	0.00010025	0.000104692	2.29897E-05	9.12302E-05	0.000114915	0.000102417	0.000106576	1.43823E-05	9.12302E-05	0.00011125
494	9.9261E-05	0.00010366	2.27425E-05	9.09236E-05	0.000114394	0.000101621	0.000105757	1.40746E-05	9.09236E-05	0.00011067
495	0.000100651	0.00010511	2.30726E-05	9.27279E-05	0.000128416	0.000103226	0.000107435	1.41442E-05	9.27279E-05	0.000123537
496	0.000107517	0.000112283	2.46077E-05	9.90868E-05	0.000127537	0.000110293	0.000114792	1.50735E-05	9.90868E-05	0.00012256
497	0.000118783	0.000124058	2.70187E-05	0.000109037	0.000126912	0.000121753	0.000126719	1.66465E-05	0.000109037	0.000121865
498	0.000132259	0.000138137	3.00023E-05	0.000118293	0.000126395	0.000134501	0.000139945	1.92728E-05	0.000118293	0.000121291
499	0.000143904	0.000150293	3.27626E-05	0.00012372	9.62812E-05	0.000144555	0.00015033	2.23256E-05	0.00012372	9.32609E-05
500	0.000145826	0.000152293	3.3322E-05	0.000122765	6.77133E-05	0.000145531	0.000151303	2.33742E-05	0.000122765	6.74965E-05
501	0.000143227	0.000149603	3.2307E-05	0.000118083	5.22085E-05	0.000142149	0.000147789	2.27819E-05	0.000118083	5.29849E-05
502	0.00013561	0.000141673	3.01398E-05	0.000111369	3.83418E-05	0.00013453	0.000139902	2.0822E-05	0.000111369	4.08393E-05
503	0.000122657	0.00012814	2.7265E-05	0.000103347	3.78106E-05	0.000122586	0.000127523	1.80694E-05	0.000103347	4.02496E-05
504	0.00011087	0.00011583	2.45717E-05	9.72465E-05	3.77028E-05	0.000112162	0.000116743	1.52047E-05	9.72465E-05	4.01307E-05
505	9.62063E-05	0.000100511	2.13267E-05	8.84251E-05	3.76419E-05	9.87293E-05	0.000102825	1.20291E-05	8.84251E-05	4.00642E-05
506	9.24576E-05	9.65981E-05	2.04294E-05	8.69282E-05	3.73836E-05	9.55833E-05	9.95805E-05	1.09764E-05	8.69282E-05	3.97766E-05
507	9.11522E-05	9.52313E-05	2.01929E-05	8.69896E-05	3.75016E-05	9.46671E-05	9.86429E-05	1.05142E-05	8.69896E-05	3.99087E-05
508	9.26783E-05	9.68194E-05	2.06384E-05	8.94507E-05	3.83454E-05	9.65708E-05	0.000100636	1.05262E-05	8.94507E-05	4.08486E-05
509	9.79308E-05	0.000102298	2.1951E-05	9.46488E-05	3.97029E-05	0.000102048	0.000106338	1.12484E-05	9.46488E-05	4.23585E-05
510	0.000105465	0.000110169	2.36379E-05	0.000100468	4.0147E-05	0.000109395	0.00011397	1.25655E-05	0.000100468	4.23051E-05
511	0.000110244	0.000115133	2.51929E-05	0.000104834	0.000130665	0.000114185	0.000118914	1.40853E-05	0.000104834	0.000126595
512	0.000110047	0.000114899	2.56399E-05	0.00010572	0.000130393	0.000114248	0.000118953	1.46468E-05	0.00010572	0.000125743
513	0.00010899	0.000113798	2.53545E-05	0.000103598	0.000130718	0.000112775	0.000117406	1.47613E-05	0.000103598	0.000126102
514	0.000106844	0.000111562	2.47788E-05	9.99013E-05	0.000130602	0.000109999	0.000114495	1.48401E-05	9.99013E-05	0.00012597
515	0.000104814	0.000109448	2.41998E-05	9.63319E-05	0.000130257	0.000107359	0.000111726	1.49091E-05	9.63319E-05	0.000125584
516	0.000102231	0.000106757	2.34886E-05	9.34762E-05	0.000115163	0.000104581	0.000108833	1.45844E-05	9.34762E-05	0.000111525
517	0.00010025	0.000104692	2.29897E-05	9.12302E-05	0.000114915	0.000102417	0.000106576	1.43823E-05	9.12302E-05	0.00011125
518	9.9261E-05	0.00010366	2.27425E-05	9.09236E-05	0.000114394	0.000101621	0.000105757	1.40746E-05	9.09236E-05	0.00011067
519	0.000100651	0.00010511	2.30726E-05	9.27279E-05	0.000128416	0.000103226	0.000107435	1.41442E-05	9.27279E-05	0.000123537
520	0.000107517	0.000112283	2.46077E-05	9.90868E-05	0.000127537	0.000110293	0.000114792	1.50735E-05	9.90868E-05	0.00012256
521	0.000118783	0.000124058	2.70187E-05	0.000109037	0.000126912	0.000121753	0.000126719	1.66465E-05	0.000109037	0.000121865
522	0.000132259	0.000138137	3.00023E-05	0.000118293	0.000126395	0.000134501	0.000139945	1.92728E-05	0.000118293	0.000121291
523	0.000143904	0.000150293	3.27626E-05	0.00012372	9.62812E-05	0.000144555	0.00015033	2.23256E-05	0.00012372	9.32609E-05

524	0.000145826	0.000152293	3.3322E-05	0.000122765	6.77133E-05	0.000145531	0.000151303	2.33742E-05	0.000122765	6.74965E-05
525	0.000143227	0.000149603	3.2307E-05	0.000118083	5.22085E-05	0.000142149	0.000147789	2.27819E-05	0.000118083	5.29849E-05
526	0.00013561	0.000141673	3.01398E-05	0.000111369	3.83418E-05	0.00013453	0.000139902	2.0822E-05	0.000111369	4.08393E-05
527	0.000122657	0.00012814	2.7265E-05	0.000103347	3.78106E-05	0.000122586	0.000127523	1.80694E-05	0.000103347	4.02496E-05
528	0.00011087	0.00011583	2.45717E-05	9.72465E-05	3.77028E-05	0.000112162	0.000116743	1.52047E-05	9.72465E-05	4.01307E-05
529	9.5733E-05	0.000100017	2.12021E-05	8.78329E-05	3.72343E-05	9.81944E-05	0.000102267	1.19912E-05	8.78329E-05	3.96096E-05
530	9.29698E-05	9.71328E-05	2.05513E-05	8.74899E-05	3.75551E-05	9.61386E-05	0.00010016	1.10286E-05	8.74899E-05	3.99677E-05
531	9.16092E-05	9.57088E-05	2.02933E-05	8.74396E-05	3.76319E-05	9.51474E-05	9.91434E-05	1.0568E-05	8.74396E-05	4.00538E-05
532	9.32661E-05	9.74333E-05	2.07754E-05	9.00775E-05	3.853E-05	9.72028E-05	0.000101295	1.05886E-05	9.00775E-05	4.10543E-05
533	9.86211E-05	0.000103019	2.21097E-05	9.53724E-05	3.99515E-05	0.000102786	0.000107108	1.13234E-05	9.53724E-05	4.26354E-05
534	0.000106111	0.000110843	2.37872E-05	0.000101149	4.04258E-05	0.000110087	0.000114691	1.2635E-05	0.000101149	4.26154E-05
535	0.000112572	0.000117582	2.54274E-05	0.000105766	0.000131037	0.000116216	0.000121035	1.42231E-05	0.000105766	0.000127009
536	0.000110835	0.000115721	2.58317E-05	0.000106611	0.000130845	0.00011511	0.000119853	1.47231E-05	0.000106611	0.000126246
537	0.000109832	0.000114676	2.55549E-05	0.000104522	0.000131204	0.000113688	0.000118358	1.48468E-05	0.000104522	0.000126642
538	0.000107514	0.00011226	2.49528E-05	0.000100725	0.000131046	0.000110751	0.00011528	1.48956E-05	0.000100725	0.000126463
539	0.000105352	0.000110008	2.43511E-05	9.70644E-05	0.00013077	0.000107984	0.000112379	1.49436E-05	9.70644E-05	0.000126154
540	0.000102785	0.000107335	2.3641E-05	9.42098E-05	0.000115636	0.00010522	0.0001095	1.4623E-05	9.42098E-05	0.00011205
541	0.000100814	0.000105279	2.31497E-05	9.20064E-05	0.000115381	0.000103075	0.000107264	1.44174E-05	9.20064E-05	0.000111767
542	9.97694E-05	0.000104189	2.28859E-05	9.16183E-05	0.000114849	0.000102213	0.000106376	1.4107E-05	9.16183E-05	0.000111176
543	0.00010122	0.000105704	2.32312E-05	9.34936E-05	0.000128843	0.000103886	0.000108124	1.41824E-05	9.34936E-05	0.000124012
544	0.00010817	0.000112964	2.47778E-05	9.98932E-05	0.000127883	0.000111028	0.000115559	1.51274E-05	9.98932E-05	0.000122944
545	0.000119648	0.000124962	2.72203E-05	0.00010996	0.000127202	0.000122684	0.000127689	1.67383E-05	0.00010996	0.000122187
546	0.000133295	0.000139219	3.02388E-05	0.000119368	0.00012667	0.000135606	0.000141096	1.93869E-05	0.000119368	0.000121596
547	0.000145018	0.000151457	3.30163E-05	0.000124871	9.65448E-05	0.000145742	0.000151567	2.2449E-05	0.000124871	9.3554E-05
548	0.000146922	0.000153438	3.35681E-05	0.000123877	6.7969E-05	0.000146693	0.000152514	2.34986E-05	0.000123877	6.77809E-05
549	0.000142497	0.000148824	3.2433E-05	0.000118783	5.24587E-05	0.000141815	0.000147437	2.28239E-05	0.000118783	5.32632E-05
550	0.000136301	0.000142394	3.03059E-05	0.000112137	3.85704E-05	0.000135282	0.000140686	2.0891E-05	0.000112137	4.10938E-05
551	0.000123286	0.000128797	2.74173E-05	0.000104053	3.79868E-05	0.000123273	0.00012824	1.81313E-05	0.000104053	4.0446E-05
552	0.000111368	0.00011635	2.46883E-05	9.77813E-05	3.77968E-05	0.000112699	0.000117303	1.5257E-05	9.77813E-05	4.02356E-05
553	9.5733E-05	0.000100017	2.12021E-05	8.78329E-05	3.72343E-05	9.81944E-05	0.000102267	1.19912E-05	8.78329E-05	3.96096E-05
554	9.29698E-05	9.71328E-05	2.05513E-05	8.74899E-05	3.75551E-05	9.61386E-05	0.00010016	1.10286E-05	8.74899E-05	3.99677E-05
555	9.16092E-05	9.57088E-05	2.02933E-05	8.74396E-05	3.76319E-05	9.51474E-05	9.91434E-05	1.0568E-05	8.74396E-05	4.00538E-05
556	9.32661E-05	9.74333E-05	2.07754E-05	9.00775E-05	3.853E-05	9.72028E-05	0.000101295	1.05886E-05	9.00775E-05	4.10543E-05
557	9.86211E-05	0.000103019	2.21097E-05	9.53724E-05	3.99515E-05	0.000102786	0.000107108	1.13234E-05	9.53724E-05	4.26354E-05
558	0.000106111	0.000110843	2.37872E-05	0.000101149	4.04258E-05	0.000110087	0.000114691	1.2635E-05	0.000101149	4.26154E-05
559	0.000112572	0.000117582	2.54274E-05	0.000105766	0.000131037	0.000116216	0.000121035	1.42231E-05	0.000105766	0.000127009
560	0.000110835	0.000115721	2.58317E-05	0.000106611	0.000130845	0.00011511	0.000119853	1.47231E-05	0.000106611	0.000126246
561	0.000109832	0.000114676	2.55549E-05	0.000104522	0.000131204	0.000113688	0.000118358	1.48468E-05	0.000104522	0.000126642
562	0.000107514	0.00011226	2.49528E-05	0.000100725	0.000131046	0.000110751	0.00011528	1.48956E-05	0.000100725	0.000126463
563	0.000105352	0.000110008	2.43511E-05	9.70644E-05	0.00013077	0.000107984	0.000112379	1.49436E-05	9.70644E-05	0.000126154
564	0.000102785	0.000107335	2.3641E-05	9.42098E-05	0.000115636	0.00010522	0.0001095	1.4623E-05	9.42098E-05	0.00011205
565	0.000100814	0.000105279	2.31497E-05	9.20064E-05	0.000115381	0.000103075	0.000107264	1.44174E-05	9.20064E-05	0.000111767
566	9.97694E-05	0.000104189	2.28859E-05	9.16183E-05	0.000114849	0.000102213	0.000106376	1.4107E-05	9.16183E-05	0.000111176
567	0.00010122	0.000105704	2.32312E-05	9.34936E-05	0.000128843	0.000103886	0.000108124	1.41824E-05	9.34936E-05	0.000124012
568	0.00010817	0.000112964	2.47778E-05	9.98932E-05	0.000127883	0.000111028	0.000115559	1.51274E-05	9.98932E-05	0.000122944
569	0.000119648	0.000124962	2.72203E-05	0.00010996	0.000127202	0.000122684	0.000127689	1.67383E-05	0.00010996	0.000122187
570	0.000133295	0.000139219	3.02388E-05	0.000119368	0.00012667	0.000135606	0.000141096	1.93869E-05	0.000119368	0.000121596
571	0.000145018	0.000151457	3.30163E-05	0.000124871	9.65448E-05	0.000145742	0.000151567	2.2449E-05	0.000124871	9.3554E-05
572	0.000146922	0.000153438	3.35681E-05	0.000123877	6.7969E-05	0.000146693	0.000152514	2.34986E-05	0.000123877	6.77809E-05
573	0.000142497	0.000148824	3.2433E-05	0.000118783	5.24587E-05	0.000141815	0.000147437	2.28239E-05	0.000118783	5.32632E-05
574	0.000136301	0.000142394	3.03059E-05	0.000112137	3.85704E-05	0.000135282	0.000140686	2.0891E-05	0.000112137	4.10938E-05
575	0.000123286	0.000128797	2.74173E-05	0.000104053	3.79868E-05	0.000123273	0.00012824	1.81313E-05	0.000104053	4.0446E-05
576	0.000111368	0.00011635	2.46883E-05	9.77813E-05	3.77968E-05	0.000112699	0.000117303	1.5257E-05	9.77813E-05	4.02356E-05
577	9.62063E-05	0.000100511	2.13267E-05	8.84251E-05	3.76419E-05	9.87293E-05	0.000102825	1.20291E-05	8.84251E-05	4.00642E-05
578	9.24576E-05	9.65981E-05	2.04294E-05	8.69282E-05	3.73836E-05	9.55833E-05	9.95805E-05	1.09764E-05	8.69282E-05	3.97766E-05
579	9.11522E-05	9.52313E-05	2.01929E-05	8.69896E-05	3.75016E-05	9.46671E-05	9.86429E-05	1.05142E-05	8.69896E-05	3.99087E-05
580	9.26783E-05	9.68194E-05	2.06384E-05	8.94507E-05	3.83454E-05	9.65708E-05	0.000100636	1.05262E-05	8.94507E-05	4.08486E-05
581	9.79308E-05	0.000102298	2.1951E-05	9.46488E-05	3.97029E-05	0.000102048	0.000106338	1.12484E-05	9.46488E-05	4.23585E-05
582	0.000105465	0.000110169	2.36379E-05	0.000100468	4.0147E-05	0.000109395	0.00011397	1.25655E-05	0.000100468	4.23051E-05
583	0.000110244	0.000115133	2.51929E-05	0.000104834	0.000130665	0.000114185	0.000118914	1.40853E-05	0.000104834	0.000126595
584	0.000110047	0.000114899	2.56399E-05	0.00010572	0.000130393	0.000114248	0.000118953	1.46468E-05	0.00010572	0.000125743
585	0.00010899	0.000113798	2.53545E-05	0.000103598	0.000130718	0.000112775	0.000117406	1.47613E-05	0.000103598	0.000126102
586	0.000106844	0.000111562	2.47788E-05	9.99013E-05	0.000130602	0.000109999	0.000114495	1.48401E-05	9.99013E-05	0.00012597
587	0.000104814	0.000109448	2.41998E-05	9.63319E-05	0.000130257	0.000107359	0.000111726	1.49091E-05	9.63319E-05	0.000125584
588	0.000102231	0.000106757	2.34886E-05	9.34762E-05	0.000115163	0.000104581	0.000108833	1.45844E-05	9.34762E-05	0.000111525
589	0.00010025	0.000104692	2.29897E-05	9.12302E-05	0.000114915	0.000102417	0.000106576	1.43823E-05	9.12302E-05	0.00011125
590	9.9261E-05	0.00010366	2.27425E-05	9.09236E-05	0.000114394	0.000101621	0.000105757	1.40746E-05	9.09236E-05	0.00011067
591	0.000100651	0.00010511	2.30726E-05	9.27279E-05	0.000128416	0.000103226	0.000107435	1.41442E-05	9.27279E-05	0.000123537
592	0.000107517	0.000112283	2.46077E-05	9.90868E-05	0.000127537	0.000110293	0.000114792	1.50735E-05	9.90868E-05	0.00012256
593	0.000118783	0.000124058	2.70187E-05	0.000109037	0.000126912	0.000121753	0.000126719	1.66465E-05	0.000109037	0.000121865
594	0.000132259	0.000138137	3.00023E-05	0.000118293	0.000126395	0.000134501	0.000139945	1.92728E-05	0.000118293	0.000121291
595	0.000143904	0.000150293	3.27626E-05	0.00012372	9.62812E-05	0.000144555	0.00015033	2.23256E-05	0.00012372	9.32609E-05
596	0.000145826	0.000152293	3.3322E-05	0.000122765	6.77133E-05	0.000145531	0.000151303	2.33742E-05	0.000122765	6.74965E-05
597	0.000143227	0.000149603	3.2307E-05	0.000118083	5.22085E-05	0.000142149	0.000147789	2.27819E-05	0.000118083	5.29849E-05
598	0.00013561	0.000141673	3.01398E-05	0.000111369	3.83418E-05	0.00013453	0.000139902	2.0822E-05	0.000111369	4.08393E-05
599	0.000122657	0.00012814	2.7265E-05	0.000103347	3.78106E-05	0.000122586	0.000127523	1.80694E-05	0.000103347	4.02496E-05

600	0.00011087	0.00011583	2.45717E-05	9.72465E-05	3.77028E-05	0.000112162	0.000116743	1.52047E-05	9.72465E-05	4.01307E-05
601	9.62063E-05	0.000100511	2.13267E-05	8.84251E-05	3.76419E-05	9.87293E-05	0.000102825	1.20291E-05	8.84251E-05	4.00642E-05
602	9.24576E-05	9.65981E-05	2.04294E-05	8.69282E-05	3.73836E-05	9.55833E-05	9.95805E-05	1.09764E-05	8.69282E-05	3.97766E-05
603	9.11522E-05	9.52313E-05	2.01929E-05	8.69896E-05	3.75016E-05	9.46671E-05	9.86429E-05	1.05142E-05	8.69896E-05	3.99087E-05
604	9.26783E-05	9.68194E-05	2.06384E-05	8.94507E-05	3.83454E-05	9.65708E-05	0.000100636	1.05262E-05	8.94507E-05	4.08486E-05
605	9.79308E-05	0.000102298	2.1951E-05	9.46488E-05	3.97029E-05	0.000102048	0.000106338	1.12484E-05	9.46488E-05	4.23585E-05
606	0.000105465	0.000110169	2.36379E-05	0.000100468	4.0147E-05	0.000109395	0.00011397	1.25655E-05	0.000100468	4.23051E-05
607	0.000110244	0.000115133	2.51929E-05	0.000104834	0.000130665	0.000114185	0.000118914	1.40853E-05	0.000104834	0.000126595
608	0.000110047	0.000114899	2.56399E-05	0.00010572	0.000130393	0.000114248	0.000118953	1.46468E-05	0.00010572	0.000125743
609	0.00010899	0.000113798	2.53545E-05	0.000103598	0.000130718	0.000112775	0.000117406	1.47613E-05	0.000103598	0.000126102
610	0.000106844	0.000111562	2.47788E-05	9.99013E-05	0.000130602	0.000109999	0.000114495	1.48401E-05	9.99013E-05	0.00012597
611	0.000104814	0.000109448	2.41998E-05	9.63319E-05	0.000130257	0.000107359	0.000111726	1.49091E-05	9.63319E-05	0.000125584
612	0.000102231	0.000106757	2.34886E-05	9.34762E-05	0.000115163	0.000104581	0.000108833	1.45844E-05	9.34762E-05	0.000111525
613	0.00010025	0.000104692	2.29897E-05	9.12302E-05	0.000114915	0.000102417	0.000106576	1.43823E-05	9.12302E-05	0.00011125
614	9.9261E-05	0.00010366	2.27425E-05	9.09236E-05	0.000114394	0.000101621	0.000105757	1.40746E-05	9.09236E-05	0.00011067
615	0.000100651	0.00010511	2.30726E-05	9.27279E-05	0.000128416	0.000103226	0.000107435	1.41442E-05	9.27279E-05	0.000123537
616	0.000107517	0.000112283	2.46077E-05	9.90868E-05	0.000127537	0.000110293	0.000114792	1.50735E-05	9.90868E-05	0.00012256
617	0.000118783	0.000124058	2.70187E-05	0.000109037	0.000126912	0.000121753	0.000126719	1.66465E-05	0.000109037	0.000121865
618	0.000132259	0.000138137	3.00023E-05	0.000118293	0.000126395	0.000134501	0.000139945	1.92728E-05	0.000118293	0.000121291
619	0.000143904	0.000150293	3.27626E-05	0.00012372	9.62812E-05	0.000144555	0.00015033	2.23256E-05	0.00012372	9.32609E-05
620	0.000145826	0.000152293	3.3322E-05	0.000122765	6.77133E-05	0.000145531	0.000151303	2.33742E-05	0.000122765	6.74965E-05
621	0.000143227	0.000149603	3.2307E-05	0.000118083	5.22085E-05	0.000142149	0.000147789	2.27819E-05	0.000118083	5.29849E-05
622	0.00013561	0.000141673	3.01398E-05	0.000111369	3.83418E-05	0.00013453	0.000139902	2.0822E-05	0.000111369	4.08393E-05
623	0.000122657	0.00012814	2.7265E-05	0.000103347	3.78106E-05	0.000122586	0.000127523	1.80694E-05	0.000103347	4.02496E-05
624	0.00011087	0.00011583	2.45717E-05	9.72465E-05	3.77028E-05	0.000112162	0.000116743	1.52047E-05	9.72465E-05	4.01307E-05
625	9.62063E-05	0.000100511	2.13267E-05	8.84251E-05	3.76419E-05	9.87293E-05	0.000102825	1.20291E-05	8.84251E-05	4.00642E-05
626	9.24576E-05	9.65981E-05	2.04294E-05	8.69282E-05	3.73836E-05	9.55833E-05	9.95805E-05	1.09764E-05	8.69282E-05	3.97766E-05
627	9.11522E-05	9.52313E-05	2.01929E-05	8.69896E-05	3.75016E-05	9.46671E-05	9.86429E-05	1.05142E-05	8.69896E-05	3.99087E-05
628	9.26783E-05	9.68194E-05	2.06384E-05	8.94507E-05	3.83454E-05	9.65708E-05	0.000100636	1.05262E-05	8.94507E-05	4.08486E-05
629	9.79308E-05	0.000102298	2.1951E-05	9.46488E-05	3.97029E-05	0.000102048	0.000106338	1.12484E-05	9.46488E-05	4.23585E-05
630	0.000105465	0.000110169	2.36379E-05	0.000100468	4.0147E-05	0.000109395	0.00011397	1.25655E-05	0.000100468	4.23051E-05
631	0.000110244	0.000115133	2.51929E-05	0.000104834	0.000130665	0.000114185	0.000118914	1.40853E-05	0.000104834	0.000126595
632	0.000110047	0.000114899	2.56399E-05	0.00010572	0.000130393	0.000114248	0.000118953	1.46468E-05	0.00010572	0.000125743
633	0.00010899	0.000113798	2.53545E-05	0.000103598	0.000130718	0.000112775	0.000117406	1.47613E-05	0.000103598	0.000126102
634	0.000106844	0.000111562	2.47788E-05	9.99013E-05	0.000130602	0.000109999	0.000114495	1.48401E-05	9.99013E-05	0.00012597
635	0.000104814	0.000109448	2.41998E-05	9.63319E-05	0.000130257	0.000107359	0.000111726	1.49091E-05	9.63319E-05	0.000125584
636	0.000102231	0.000106757	2.34886E-05	9.34762E-05	0.000115163	0.000104581	0.000108833	1.45844E-05	9.34762E-05	0.000111525
637	0.00010025	0.000104692	2.29897E-05	9.12302E-05	0.000114915	0.000102417	0.000106576	1.43823E-05	9.12302E-05	0.00011125
638	9.9261E-05	0.00010366	2.27425E-05	9.09236E-05	0.000114394	0.000101621	0.000105757	1.40746E-05	9.09236E-05	0.00011067
639	0.000100651	0.00010511	2.30726E-05	9.27279E-05	0.000128416	0.000103226	0.000107435	1.41442E-05	9.27279E-05	0.000123537
640	0.000107517	0.000112283	2.46077E-05	9.90868E-05	0.000127537	0.000110293	0.000114792	1.50735E-05	9.90868E-05	0.00012256
641	0.000118783	0.000124058	2.70187E-05	0.000109037	0.000126912	0.000121753	0.000126719	1.66465E-05	0.000109037	0.000121865
642	0.000132259	0.000138137	3.00023E-05	0.000118293	0.000126395	0.000134501	0.000139945	1.92728E-05	0.000118293	0.000121291
643	0.000143904	0.000150293	3.27626E-05	0.00012372	9.62812E-05	0.000144555	0.00015033	2.23256E-05	0.00012372	9.32609E-05
644	0.000145826	0.000152293	3.3322E-05	0.000122765	6.77133E-05	0.000145531	0.000151303	2.33742E-05	0.000122765	6.74965E-05
645	0.000143227	0.000149603	3.2307E-05	0.000118083	5.22085E-05	0.000142149	0.000147789	2.27819E-05	0.000118083	5.29849E-05
646	0.00013561	0.000141673	3.01398E-05	0.000111369	3.83418E-05	0.00013453	0.000139902	2.0822E-05	0.000111369	4.08393E-05
647	0.000122657	0.00012814	2.7265E-05	0.000103347	3.78106E-05	0.000122586	0.000127523	1.80694E-05	0.000103347	4.02496E-05
648	0.00011087	0.00011583	2.45717E-05	9.72465E-05	3.77028E-05	0.000112162	0.000116743	1.52047E-05	9.72465E-05	4.01307E-05
649	9.62063E-05	0.000100511	2.13267E-05	8.84251E-05	3.76419E-05	9.87293E-05	0.000102825	1.20291E-05	8.84251E-05	4.00642E-05
650	9.24576E-05	9.65981E-05	2.04294E-05	8.69282E-05	3.73836E-05	9.55833E-05	9.95805E-05	1.09764E-05	8.69282E-05	3.97766E-05
651	9.11522E-05	9.52313E-05	2.01929E-05	8.69896E-05	3.75016E-05	9.46671E-05	9.86429E-05	1.05142E-05	8.69896E-05	3.99087E-05
652	9.26783E-05	9.68194E-05	2.06384E-05	8.94507E-05	3.83454E-05	9.65708E-05	0.000100636	1.05262E-05	8.94507E-05	4.08486E-05
653	9.79308E-05	0.000102298	2.1951E-05	9.46488E-05	3.97029E-05	0.000102048	0.000106338	1.12484E-05	9.46488E-05	4.23585E-05
654	0.000105465	0.000110169	2.36379E-05	0.000100468	4.0147E-05	0.000109395	0.00011397	1.25655E-05	0.000100468	4.23051E-05
655	0.000110244	0.000115133	2.51929E-05	0.000104834	0.000130665	0.000114185	0.000118914	1.40853E-05	0.000104834	0.000126595
656	0.000110047	0.000114899	2.56399E-05	0.00010572	0.000130393	0.000114248	0.000118953	1.46468E-05	0.00010572	0.000125743
657	0.00010899	0.000113798	2.53545E-05	0.000103598	0.000130718	0.000112775	0.000117406	1.47613E-05	0.000103598	0.000126102
658	0.000106844	0.000111562	2.47788E-05	9.99013E-05	0.000130602	0.000109999	0.000114495	1.48401E-05	9.99013E-05	0.00012597
659	0.000104814	0.000109448	2.41998E-05	9.63319E-05	0.000130257	0.000107359	0.000111726	1.49091E-05	9.63319E-05	0.000125584
660	0.000102231	0.000106757	2.34886E-05	9.34762E-05	0.000115163	0.000104581	0.000108833	1.45844E-05	9.34762E-05	0.000111525
661	0.00010025	0.000104692	2.29897E-05	9.12302E-05	0.000114915	0.000102417	0.000106576	1.43823E-05	9.12302E-05	0.00011125
662	9.9261E-05	0.00010366	2.27425E-05	9.09236E-05	0.000114394	0.000101621	0.000105757	1.40746E-05	9.09236E-05	0.00011067
663	0.000100651	0.00010511	2.30726E-05	9.27279E-05	0.000128416	0.000103226	0.000107435	1.41442E-05	9.27279E-05	0.000123537
664	0.000107517	0.000112283	2.46077E-05	9.90868E-05	0.000127537	0.000110293	0.000114792	1.50735E-05	9.90868E-05	0.00012256
665	0.000118783	0.000124058	2.70187E-05	0.000109037	0.000126912	0.000121753	0.000126719	1.66465E-05	0.000109037	0.000121865
666	0.000132259	0.000138137	3.00023E-05	0.000118293	0.000126395	0.000134501	0.000139945	1.92728E-05	0.000118293	0.000121291
667	0.000143904	0.000150293	3.27626E-05	0.00012372	9.62812E-05	0.000144555	0.00015033	2.23256E-05	0.00012372	9.32609E-05
668	0.000145826	0.000152293	3.3322E-05	0.000122765	6.77133E-05	0.000145531	0.000151303	2.33742E-05	0.000122765	6.74965E-05
669	0.000143227	0.000149603	3.2307E-05	0.000118083	5.22085E-05	0.000142149	0.000147789	2.27819E-05	0.000118083	5.29849E-05
670	0.00013561	0.000141673	3.01398E-05	0.000111369	3.83418E-05	0.00013453	0.000139902	2.0822E-05	0.000111369	4.08393E-05
671	0.000122657	0.00012814	2.7265E-05	0.000103347	3.78106E-05	0.000122586	0.000127523	1.80694E-05	0.000103347	4.02496E-05
672	0.00011087	0.00011583	2.45717E-05	9.72465E-05	3.77028E-05	0.000112162	0.000116743	1.52047E-05	9.72465E-05	4.01307E-05
673	9.62063E-05	0.000100511	2.13267E-05	8.84251E-05	3.76419E-05	9.87293E-05	0.000102825	1.20291E-05	8.84251E-05	4.00642E-05
674	9.24576E-05	9.65981E-05	2.04294E-05	8.69282E-05	3.73836E-05	9.55833E-05	9.95805E-05	1.09764E-05	8.69282E-05	3.97766E-05
675	9.11522E-05	9.52313E-05	2.01929E-05	8.69896E-05	3.75016E-05	9.46671E-05	9.86429E-05	1.05142E-05	8.69896E-05	3.99087E-05

676	9.26783E-05	9.68194E-05	2.06384E-05	8.94507E-05	3.83454E-05	9.65708E-05	0.000100636	1.05262E-05	8.94507E-05	4.08486E-05
677	9.79308E-05	0.000102298	2.1951E-05	9.46488E-05	3.97029E-05	0.000102048	0.000106338	1.12484E-05	9.46488E-05	4.23585E-05
678	0.000105465	0.000110169	2.36379E-05	0.000100468	4.0147E-05	0.000109395	0.00011397	1.25655E-05	0.000100468	4.23051E-05
679	0.000110244	0.000115133	2.51929E-05	0.000104834	0.000130665	0.000114185	0.000118914	1.40853E-05	0.000104834	0.000126595
680	0.000110047	0.000114899	2.56399E-05	0.00010572	0.000130393	0.000114248	0.000118953	1.46468E-05	0.00010572	0.000125743
681	0.00010899	0.000113798	2.53545E-05	0.000103598	0.000130718	0.000112775	0.000117406	1.47613E-05	0.000103598	0.000126102
682	0.000106844	0.000111562	2.47788E-05	9.99013E-05	0.000130602	0.000109999	0.000114495	1.48401E-05	9.99013E-05	0.00012597
683	0.000104814	0.000109448	2.41998E-05	9.63319E-05	0.000130257	0.000107359	0.000111726	1.49091E-05	9.63319E-05	0.000125584
684	0.000102231	0.000106757	2.34886E-05	9.34762E-05	0.000115163	0.000104581	0.000108833	1.45844E-05	9.34762E-05	0.000111525
685	0.00010025	0.000104692	2.29897E-05	9.12302E-05	0.000114915	0.000102417	0.000106576	1.43823E-05	9.12302E-05	0.00011125
686	9.9261E-05	0.00010366	2.27425E-05	9.09236E-05	0.000114394	0.000101621	0.000105757	1.40746E-05	9.09236E-05	0.00011067
687	0.000100651	0.00010511	2.30726E-05	9.27279E-05	0.000128416	0.000103226	0.000107435	1.41442E-05	9.27279E-05	0.000123537
688	0.000107517	0.000112283	2.46077E-05	9.90868E-05	0.000127537	0.000110293	0.000114792	1.50735E-05	9.90868E-05	0.00012256
689	0.000118783	0.000124058	2.70187E-05	0.000109037	0.000126912	0.000121753	0.000126719	1.66465E-05	0.000109037	0.000121865
690	0.000132259	0.000138137	3.00023E-05	0.000118293	0.000126395	0.000134501	0.000139945	1.92728E-05	0.000118293	0.000121291
691	0.000143904	0.000150293	3.27626E-05	0.00012372	9.62812E-05	0.000144555	0.00015033	2.23256E-05	0.00012372	9.32609E-05
692	0.000145826	0.000152293	3.3322E-05	0.000122765	6.77133E-05	0.000145531	0.000151303	2.33742E-05	0.000122765	6.74965E-05
693	0.000143227	0.000149603	3.2307E-05	0.000118083	5.22085E-05	0.000142149	0.000147789	2.27819E-05	0.000118083	5.29849E-05
694	0.00013561	0.000141673	3.01398E-05	0.000111369	3.83418E-05	0.00013453	0.000139902	2.0822E-05	0.000111369	4.08393E-05
695	0.000122657	0.00012814	2.7265E-05	0.000103347	3.78106E-05	0.000122586	0.000127523	1.80694E-05	0.000103347	4.02496E-05
696	0.00011087	0.00011583	2.45717E-05	9.72465E-05	3.77028E-05	0.000112162	0.000116743	1.52047E-05	9.72465E-05	4.01307E-05
697	9.5733E-05	0.000100017	2.12021E-05	8.78329E-05	3.72343E-05	9.81944E-05	0.000102267	1.19912E-05	8.78329E-05	3.96096E-05
698	9.29698E-05	9.71328E-05	2.05513E-05	8.74899E-05	3.75551E-05	9.61386E-05	0.00010016	1.10286E-05	8.74899E-05	3.99677E-05
699	9.16092E-05	9.57088E-05	2.02933E-05	8.74396E-05	3.76319E-05	9.51474E-05	9.91434E-05	1.0568E-05	8.74396E-05	4.00538E-05
700	9.32661E-05	9.74333E-05	2.07754E-05	9.00775E-05	3.853E-05	9.72028E-05	0.000101295	1.05886E-05	9.00775E-05	4.10543E-05
701	9.86211E-05	0.000103019	2.21097E-05	9.53724E-05	3.99515E-05	0.000102786	0.000107108	1.13234E-05	9.53724E-05	4.26354E-05
702	0.000106111	0.000110843	2.37872E-05	0.000101149	4.04258E-05	0.000110087	0.000114691	1.2635E-05	0.000101149	4.26154E-05
703	0.000112572	0.000117582	2.54274E-05	0.000105766	0.000131037	0.000116216	0.000121035	1.42231E-05	0.000105766	0.000127009
704	0.000110835	0.000115721	2.58317E-05	0.000106611	0.000130845	0.00011511	0.000119853	1.47231E-05	0.000106611	0.000126246
705	0.000109832	0.000114676	2.55549E-05	0.000104522	0.000131204	0.000113688	0.000118358	1.48468E-05	0.000104522	0.000126642
706	0.000107514	0.00011226	2.49528E-05	0.000100725	0.000131046	0.000110751	0.00011528	1.48956E-05	0.000100725	0.000126463
707	0.000105352	0.000110008	2.43511E-05	9.70644E-05	0.00013077	0.000107984	0.000112379	1.49436E-05	9.70644E-05	0.000126154
708	0.000102785	0.000107335	2.3641E-05	9.42098E-05	0.000115636	0.00010522	0.0001095	1.4623E-05	9.42098E-05	0.00011205
709	0.000100814	0.000105279	2.31497E-05	9.20064E-05	0.000115381	0.000103075	0.000107264	1.44174E-05	9.20064E-05	0.000111767
710	9.97694E-05	0.000104189	2.28859E-05	9.16183E-05	0.000114849	0.000102213	0.000106376	1.4107E-05	9.16183E-05	0.000111176
711	0.00010122	0.000105704	2.32312E-05	9.34936E-05	0.000128843	0.000103886	0.000108124	1.41824E-05	9.34936E-05	0.000124012
712	0.00010817	0.000112964	2.47778E-05	9.98932E-05	0.000127883	0.000111028	0.000115559	1.51274E-05	9.98932E-05	0.000122944
713	0.000119648	0.000124962	2.72203E-05	0.00010996	0.000127202	0.000122684	0.000127689	1.67383E-05	0.00010996	0.000122187
714	0.000133295	0.000139219	3.02388E-05	0.000119368	0.00012667	0.000135606	0.000141096	1.93869E-05	0.000119368	0.000121596
715	0.000145018	0.000151457	3.30163E-05	0.000124871	9.65448E-05	0.000145742	0.000151567	2.2449E-05	0.000124871	9.3554E-05
716	0.000146922	0.000153438	3.35681E-05	0.000123877	6.7969E-05	0.000146693	0.000152514	2.34986E-05	0.000123877	6.77809E-05
717	0.000142497	0.000148824	3.2433E-05	0.000118783	5.24587E-05	0.000141815	0.000147437	2.28239E-05	0.000118783	5.32632E-05
718	0.000136301	0.000142394	3.03059E-05	0.000112137	3.85704E-05	0.000135282	0.000140686	2.0891E-05	0.000112137	4.10938E-05
719	0.000123286	0.000128797	2.74173E-05	0.000104053	3.79868E-05	0.000123273	0.00012824	1.81313E-05	0.000104053	4.0446E-05
720	0.000111368	0.00011635	2.46883E-05	9.77813E-05	3.77968E-05	0.000112699	0.000117303	1.5257E-05	9.77813E-05	4.02356E-05
721	9.5733E-05	0.000100017	2.12021E-05	8.78329E-05	3.72343E-05	9.81944E-05	0.000102267	1.19912E-05	8.78329E-05	3.96096E-05
722	9.29698E-05	9.71328E-05	2.05513E-05	8.74899E-05	3.75551E-05	9.61386E-05	0.00010016	1.10286E-05	8.74899E-05	3.99677E-05
723	9.16092E-05	9.57088E-05	2.02933E-05	8.74396E-05	3.76319E-05	9.51474E-05	9.91434E-05	1.0568E-05	8.74396E-05	4.00538E-05
724	9.32661E-05	9.74333E-05	2.07754E-05	9.00775E-05	3.853E-05	9.72028E-05	0.000101295	1.05886E-05	9.00775E-05	4.10543E-05
725	9.86211E-05	0.000103019	2.21097E-05	9.53724E-05	3.99515E-05	0.000102786	0.000107108	1.13234E-05	9.53724E-05	4.26354E-05
726	0.000106111	0.000110843	2.37872E-05	0.000101149	4.04258E-05	0.000110087	0.000114691	1.2635E-05	0.000101149	4.26154E-05
727	0.000112572	0.000117582	2.54274E-05	0.000105766	0.000131037	0.000116216	0.000121035	1.42231E-05	0.000105766	0.000127009
728	0.000110835	0.000115721	2.58317E-05	0.000106611	0.000130845	0.00011511	0.000119853	1.47231E-05	0.000106611	0.000126246
729	0.000109832	0.000114676	2.55549E-05	0.000104522	0.000131204	0.000113688	0.000118358	1.48468E-05	0.000104522	0.000126642
730	0.000107514	0.00011226	2.49528E-05	0.000100725	0.000131046	0.000110751	0.00011528	1.48956E-05	0.000100725	0.000126463
731	0.000105352	0.000110008	2.43511E-05	9.70644E-05	0.00013077	0.000107984	0.000112379	1.49436E-05	9.70644E-05	0.000126154
732	0.000102785	0.000107335	2.3641E-05	9.42098E-05	0.000115636	0.00010522	0.0001095	1.4623E-05	9.42098E-05	0.00011205
733	0.000100814	0.000105279	2.31497E-05	9.20064E-05	0.000115381	0.000103075	0.000107264	1.44174E-05	9.20064E-05	0.000111767
734	9.97694E-05	0.000104189	2.28859E-05	9.16183E-05	0.000114849	0.000102213	0.000106376	1.4107E-05	9.16183E-05	0.000111176
735	0.00010122	0.000105704	2.32312E-05	9.34936E-05	0.000128843	0.000103886	0.000108124	1.41824E-05	9.34936E-05	0.000124012
736	0.00010817	0.000112964	2.47778E-05	9.98932E-05	0.000127883	0.000111028	0.000115559	1.51274E-05	9.98932E-05	0.000122944
737	0.000119648	0.000124962	2.72203E-05	0.00010996	0.000127202	0.000122684	0.000127689	1.67383E-05	0.00010996	0.000122187
738	0.000133295	0.000139219	3.02388E-05	0.000119368	0.00012667	0.000135606	0.000141096	1.93869E-05	0.000119368	0.000121596
739	0.000145018	0.000151457	3.30163E-05	0.000124871	9.65448E-05	0.000145742	0.000151567	2.2449E-05	0.000124871	9.3554E-05
740	0.000146922	0.000153438	3.35681E-05	0.000123877	6.7969E-05	0.000146693	0.000152514	2.34986E-05	0.000123877	6.77809E-05
741	0.000142497	0.000148824	3.2433E-05	0.000118783	5.24587E-05	0.000141815	0.000147437	2.28239E-05	0.000118783	5.32632E-05
742	0.000136301	0.000142394	3.03059E-05	0.000112137	3.85704E-05	0.000135282	0.000140686	2.0891E-05	0.000112137	4.10938E-05
743	0.000123286	0.000128797	2.74173E-05	0.000104053	3.79868E-05	0.000123273	0.00012824	1.81313E-05	0.000104053	4.0446E-05
744	0.000111368	0.00011635	2.46883E-05	9.77813E-05	3.77968E-05	0.000112699	0.000117303	1.5257E-05	9.77813E-05	4.02356E-05
745	8.81385E-05	9.20811E-05	1.95532E-05	8.04828E-05	3.79483E-05	9.02516E-05	9.39921E-05	1.10797E-05	8.04828E-05	4.04048E-05
746	8.50957E-05	8.89058E-05	1.88141E-05	7.96967E-05	3.8054E-05	8.78519E-05	9.15248E-05	1.01083E-05	7.96967E-05	4.0523E-05
747	8.37441E-05	8.7492E-05	1.85468E-05	7.95848E-05	3.85761E-05	8.68492E-05	9.0496E-05	9.65887E-06	7.95848E-05	4.11054E-05
748	8.57447E-05	8.95792E-05	1.90399E-05	8.21659E-05	3.96037E-05	8.91484E-05	9.28983E-05	9.77571E-06	8.21659E-05	4.22505E-05
749	9.17209E-05	9.58143E-05	2.05129E-05	8.80874E-05	4.1728E-05	9.53895E-05	9.93962E-05	1.05814E-05	8.80874E-05	4.46158E-05
750	9.98377E-05	0.000104294	2.2321E-05	9.44421E-05	4.23675E-05	0.000103337	0.000107654	1.1972E-05	9.44421E-05	4.47815E-05
751	0.000103775	0.000108377	2.37128E-05	9.8117E-05	0.000132772	0.000107283	0.00011172	1.3372E-05	9.8117E-05	0.000128968

752	0.000100063	0.00010448	2.32346E-05	9.46078E-05	0.000132529	0.000103376	0.000107615	1.36509E-05	9.46078E-05	0.000128147
753	9.82558E-05	0.000102595	2.27721E-05	9.16723E-05	0.000133152	0.000101092	0.000105222	1.36874E-05	9.16723E-05	0.000128835
754	9.72449E-05	0.000101546	2.24165E-05	8.8917E-05	0.00013357	9.94566E-05	0.000103497	1.39244E-05	8.8917E-05	0.000129298
755	9.72658E-05	0.000101573	2.23373E-05	8.76701E-05	0.000133836	9.90616E-05	0.000103071	1.41918E-05	8.76701E-05	0.000129594
756	9.42663E-05	9.84445E-05	2.15836E-05	8.47028E-05	0.000119246	9.59356E-05	9.98172E-05	1.37762E-05	8.47028E-05	0.000116094
757	9.20132E-05	9.6091E-05	2.10759E-05	8.24998E-05	0.000119095	9.35773E-05	9.73606E-05	1.34982E-05	8.24998E-05	0.000115927
758	8.96668E-05	9.36347E-05	2.06406E-05	8.1528E-05	0.000118278	9.15544E-05	9.52687E-05	1.29364E-05	8.1528E-05	0.000115018
759	9.03756E-05	9.43768E-05	2.07703E-05	8.23506E-05	0.000131595	9.23516E-05	9.61019E-05	1.29699E-05	8.23506E-05	0.000127103
760	9.56798E-05	9.99188E-05	2.19395E-05	8.70329E-05	0.000129782	9.77352E-05	0.000101704	1.37348E-05	8.70329E-05	0.000125084
761	0.000105681	0.000110369	2.4118E-05	9.60157E-05	0.00012829	0.000107948	0.000112334	1.51195E-05	9.60157E-05	0.000123424
762	0.000121089	0.000126468	2.75116E-05	0.000107092	0.000127389	0.000122703	0.00012765	1.7984E-05	0.000107092	0.000122422
763	0.000134737	0.000140715	3.07584E-05	0.000114787	9.72501E-05	0.000134951	0.000140324	2.12296E-05	0.000114787	9.43552E-05
764	0.000137198	0.000143279	3.14153E-05	0.000114241	6.87432E-05	0.000136458	0.000141849	2.23581E-05	0.000114241	6.86496E-05
765	0.00013483	0.000140831	3.04435E-05	0.000109741	5.32451E-05	0.000133305	0.000138573	2.18002E-05	0.000109741	5.41416E-05
766	0.000128019	0.000133745	2.84092E-05	0.000103544	3.92198E-05	0.00012645	0.00013148	1.99754E-05	0.000103544	4.18144E-05
767	0.000115733	0.000120909	2.56855E-05	9.61997E-05	3.83478E-05	0.000115213	0.000119839	1.72993E-05	9.61997E-05	4.0845E-05
768	0.000104555	0.000109235	2.31433E-05	9.07961E-05	3.78623E-05	0.000105458	0.000109755	1.44935E-05	9.07961E-05	4.03054E-05
769	8.81385E-05	9.20811E-05	1.95532E-05	8.04828E-05	3.79483E-05	9.02516E-05	9.39921E-05	1.10797E-05	8.04828E-05	4.04048E-05
770	8.50957E-05	8.89058E-05	1.88141E-05	7.96967E-05	3.8054E-05	8.78519E-05	9.15248E-05	1.01083E-05	7.96967E-05	4.0523E-05
771	8.37441E-05	8.7492E-05	1.85468E-05	7.95848E-05	3.85761E-05	8.68492E-05	9.0496E-05	9.65887E-06	7.95848E-05	4.11054E-05
772	8.57447E-05	8.95792E-05	1.90399E-05	8.21659E-05	3.96037E-05	8.91484E-05	9.28983E-05	9.77571E-06	8.21659E-05	4.22505E-05
773	9.17209E-05	9.58143E-05	2.05129E-05	8.80874E-05	4.1728E-05	9.53895E-05	9.93962E-05	1.05814E-05	8.80874E-05	4.46158E-05
774	9.98377E-05	0.000104294	2.2321E-05	9.44421E-05	4.23675E-05	0.000103337	0.000107654	1.1972E-05	9.44421E-05	4.47815E-05
775	0.000103775	0.000108377	2.37128E-05	9.8117E-05	0.000132772	0.000107283	0.00011172	1.3372E-05	9.8117E-05	0.000128968
776	0.000100063	0.00010448	2.32346E-05	9.46078E-05	0.000132529	0.000103376	0.000107615	1.36509E-05	9.46078E-05	0.000128147
777	9.82558E-05	0.000102595	2.27721E-05	9.16723E-05	0.000133152	0.000101092	0.000105222	1.36874E-05	9.16723E-05	0.000128835
778	9.72449E-05	0.000101546	2.24165E-05	8.8917E-05	0.00013357	9.94566E-05	0.000103497	1.39244E-05	8.8917E-05	0.000129298
779	9.72658E-05	0.000101573	2.23373E-05	8.76701E-05	0.000133836	9.90616E-05	0.000103071	1.41918E-05	8.76701E-05	0.000129594
780	9.42663E-05	9.84445E-05	2.15836E-05	8.47028E-05	0.000119246	9.59356E-05	9.98172E-05	1.37762E-05	8.47028E-05	0.000116094
781	9.20132E-05	9.6091E-05	2.10759E-05	8.24998E-05	0.000119095	9.35773E-05	9.73606E-05	1.34982E-05	8.24998E-05	0.000115927
782	8.96668E-05	9.36347E-05	2.06406E-05	8.1528E-05	0.000118278	9.15544E-05	9.52687E-05	1.29364E-05	8.1528E-05	0.000115018
783	9.03756E-05	9.43768E-05	2.07703E-05	8.23506E-05	0.000131595	9.23516E-05	9.61019E-05	1.29699E-05	8.23506E-05	0.000127103
784	9.56798E-05	9.99188E-05	2.19395E-05	8.70329E-05	0.000129782	9.77352E-05	0.000101704	1.37348E-05	8.70329E-05	0.000125084
785	0.000105681	0.000110369	2.4118E-05	9.60157E-05	0.00012829	0.000107948	0.000112334	1.51195E-05	9.60157E-05	0.000123424
786	0.000121089	0.000126468	2.75116E-05	0.000107092	0.000127389	0.000122703	0.00012765	1.7984E-05	0.000107092	0.000122422
787	0.000134737	0.000140715	3.07584E-05	0.000114787	9.72501E-05	0.000134951	0.000140324	2.12296E-05	0.000114787	9.43552E-05
788	0.000137198	0.000143279	3.14153E-05	0.000114241	6.87432E-05	0.000136458	0.000141849	2.23581E-05	0.000114241	6.86496E-05
789	0.00013483	0.000140831	3.04435E-05	0.000109741	5.32451E-05	0.000133305	0.000138573	2.18002E-05	0.000109741	5.41416E-05
790	0.000128019	0.000133745	2.84092E-05	0.000103544	3.92198E-05	0.00012645	0.00013148	1.99754E-05	0.000103544	4.18144E-05
791	0.000115733	0.000120909	2.56855E-05	9.61997E-05	3.83478E-05	0.000115213	0.000119839	1.72993E-05	9.61997E-05	4.0845E-05
792	0.000104555	0.000109235	2.31433E-05	9.07961E-05	3.78623E-05	0.000105458	0.000109755	1.44935E-05	9.07961E-05	4.03054E-05
793	8.81385E-05	9.20811E-05	1.95532E-05	8.04828E-05	3.79483E-05	9.02516E-05	9.39921E-05	1.10797E-05	8.04828E-05	4.04048E-05
794	8.50957E-05	8.89058E-05	1.88141E-05	7.96967E-05	3.8054E-05	8.78519E-05	9.15248E-05	1.01083E-05	7.96967E-05	4.0523E-05
795	8.37441E-05	8.7492E-05	1.85468E-05	7.95848E-05	3.85761E-05	8.68492E-05	9.0496E-05	9.65887E-06	7.95848E-05	4.11054E-05
796	8.57447E-05	8.95792E-05	1.90399E-05	8.21659E-05	3.96037E-05	8.91484E-05	9.28983E-05	9.77571E-06	8.21659E-05	4.22505E-05
797	9.17209E-05	9.58143E-05	2.05129E-05	8.80874E-05	4.1728E-05	9.53895E-05	9.93962E-05	1.05814E-05	8.80874E-05	4.46158E-05
798	9.98377E-05	0.000104294	2.2321E-05	9.44421E-05	4.23675E-05	0.000103337	0.000107654	1.1972E-05	9.44421E-05	4.47815E-05
799	0.000103775	0.000108377	2.37128E-05	9.8117E-05	0.000132772	0.000107283	0.00011172	1.3372E-05	9.8117E-05	0.000128968
800	0.000100063	0.00010448	2.32346E-05	9.46078E-05	0.000132529	0.000103376	0.000107615	1.36509E-05	9.46078E-05	0.000128147
801	9.82558E-05	0.000102595	2.27721E-05	9.16723E-05	0.000133152	0.000101092	0.000105222	1.36874E-05	9.16723E-05	0.000128835
802	9.72449E-05	0.000101546	2.24165E-05	8.8917E-05	0.00013357	9.94566E-05	0.000103497	1.39244E-05	8.8917E-05	0.000129298
803	9.72658E-05	0.000101573	2.23373E-05	8.76701E-05	0.000133836	9.90616E-05	0.000103071	1.41918E-05	8.76701E-05	0.000129594
804	9.42663E-05	9.84445E-05	2.15836E-05	8.47028E-05	0.000119246	9.59356E-05	9.98172E-05	1.37762E-05	8.47028E-05	0.000116094
805	9.20132E-05	9.6091E-05	2.10759E-05	8.24998E-05	0.000119095	9.35773E-05	9.73606E-05	1.34982E-05	8.24998E-05	0.000115927
806	8.96668E-05	9.36347E-05	2.06406E-05	8.1528E-05	0.000118278	9.15544E-05	9.52687E-05	1.29364E-05	8.1528E-05	0.000115018
807	9.03756E-05	9.43768E-05	2.07703E-05	8.23506E-05	0.000131595	9.23516E-05	9.61019E-05	1.29699E-05	8.23506E-05	0.000127103
808	9.56798E-05	9.99188E-05	2.19395E-05	8.70329E-05	0.000129782	9.77352E-05	0.000101704	1.37348E-05	8.70329E-05	0.000125084
809	0.000105681	0.000110369	2.4118E-05	9.60157E-05	0.00012829	0.000107948	0.000112334	1.51195E-05	9.60157E-05	0.000123424
810	0.000121089	0.000126468	2.75116E-05	0.000107092	0.000127389	0.000122703	0.00012765	1.7984E-05	0.000107092	0.000122422
811	0.000134737	0.000140715	3.07584E-05	0.000114787	9.72501E-05	0.000134951	0.000140324	2.12296E-05	0.000114787	9.43552E-05
812	0.000137198	0.000143279	3.14153E-05	0.000114241	6.87432E-05	0.000136458	0.000141849	2.23581E-05	0.000114241	6.86496E-05
813	0.00013483	0.000140831	3.04435E-05	0.000109741	5.32451E-05	0.000133305	0.000138573	2.18002E-05	0.000109741	5.41416E-05
814	0.000128019	0.000133745	2.84092E-05	0.000103544	3.92198E-05	0.00012645	0.00013148	1.99754E-05	0.000103544	4.18144E-05
815	0.000115733	0.000120909	2.56855E-05	9.61997E-05	3.83478E-05	0.000115213	0.000119839	1.72993E-05	9.61997E-05	4.0845E-05
816	0.000104555	0.000109235	2.31433E-05	9.07961E-05	3.78623E-05	0.000105458	0.000109755	1.44935E-05	9.07961E-05	4.03054E-05
817	8.81385E-05	9.20811E-05	1.95532E-05	8.04828E-05	3.79483E-05	9.02516E-05	9.39921E-05	1.10797E-05	8.04828E-05	4.04048E-05
818	8.50957E-05	8.89058E-05	1.88141E-05	7.96967E-05	3.8054E-05	8.78519E-05	9.15248E-05	1.01083E-05	7.96967E-05	4.0523E-05
819	8.37441E-05	8.7492E-05	1.85468E-05	7.95848E-05	3.85761E-05	8.68492E-05	9.0496E-05	9.65887E-06	7.95848E-05	4.11054E-05
820	8.57447E-05	8.95792E-05	1.90399E-05	8.21659E-05	3.96037E-05	8.91484E-05	9.28983E-05	9.77571E-06	8.21659E-05	4.22505E-05
821	9.17209E-05	9.58143E-05	2.05129E-05	8.80874E-05	4.1728E-05	9.53895E-05	9.93962E-05	1.05814E-05	8.80874E-05	4.46158E-05
822	9.98377E-05	0.000104294	2.2321E-05	9.44421E-05	4.23675E-05	0.000103337	0.000107654	1.1972E-05	9.44421E-05	4.47815E-05
823	0.000103775	0.000108377	2.37128E-05	9.8117E-05	0.000132772	0.000107283	0.00011172	1.3372E-05	9.8117E-05	0.000128968
824	0.000100063	0.00010448	2.32346E-05	9.46078E-05	0.000132529	0.000103376	0.000107615	1.36509E-05	9.46078E-05	0.000128147
825	9.82558E-05	0.000102595	2.27721E-05	9.16723E-05	0.000133152	0.000101092	0.000105222	1.36874E-05	9.16723E-05	0.000128835
826	9.72449E-05	0.000101546	2.24165E-05	8.8917E-05	0.00013357	9.94566E-05	0.000103497	1.39244E-05	8.8917E-05	0.000129298
827	9.72658E-05	0.000101573	2.23373E-05	8.76701E-05	0.000133836	9.90616E-05	0.000103071	1.41918E-05	8.76701E-05	0.000129594

828	9.42663E-05	9.84445E-05	2.15836E-05	8.47028E-05	0.000119246	9.59356E-05	9.98172E-05	1.37762E-05	8.47028E-05	0.000116094
829	9.20132E-05	9.6091E-05	2.10759E-05	8.24998E-05	0.000119095	9.35773E-05	9.73606E-05	1.34982E-05	8.24998E-05	0.000115927
830	8.96668E-05	9.36347E-05	2.06406E-05	8.1528E-05	0.000118278	9.15544E-05	9.52687E-05	1.29364E-05	8.1528E-05	0.000115018
831	9.03756E-05	9.43768E-05	2.07703E-05	8.23506E-05	0.000131595	9.23516E-05	9.61019E-05	1.29699E-05	8.23506E-05	0.000127103
832	9.56798E-05	9.99188E-05	2.19395E-05	8.70329E-05	0.000129782	9.77352E-05	0.000101704	1.37348E-05	8.70329E-05	0.000125084
833	0.000105681	0.000110369	2.4118E-05	9.60157E-05	0.00012829	0.000107948	0.000112334	1.51195E-05	9.60157E-05	0.000123424
834	0.000121089	0.000126468	2.75116E-05	0.000107092	0.000127389	0.000122703	0.00012765	1.7984E-05	0.000107092	0.000122422
835	0.000134737	0.000140715	3.07584E-05	0.000114787	9.72501E-05	0.000134951	0.000140324	2.12296E-05	0.000114787	9.43552E-05
836	0.000137198	0.000143279	3.14153E-05	0.000114241	6.87432E-05	0.000136458	0.000141849	2.23581E-05	0.000114241	6.86496E-05
837	0.00013483	0.000140831	3.04435E-05	0.000109741	5.32451E-05	0.000133305	0.000138573	2.18002E-05	0.000109741	5.41416E-05
838	0.000128019	0.000133745	2.84092E-05	0.000103544	3.92198E-05	0.00012645	0.00013148	1.99754E-05	0.000103544	4.18144E-05
839	0.000115733	0.000120909	2.56855E-05	9.61997E-05	3.83478E-05	0.000115213	0.000119839	1.72993E-05	9.61997E-05	4.0845E-05
840	0.000104555	0.000109235	2.31433E-05	9.07961E-05	3.78623E-05	0.000105458	0.000109755	1.44935E-05	9.07961E-05	4.03054E-05
841	8.81385E-05	9.20811E-05	1.95532E-05	8.04828E-05	3.79483E-05	9.02516E-05	9.39921E-05	1.10797E-05	8.04828E-05	4.04048E-05
842	8.50957E-05	8.89058E-05	1.88141E-05	7.96967E-05	3.8054E-05	8.78519E-05	9.15248E-05	1.01083E-05	7.96967E-05	4.0523E-05
843	8.37441E-05	8.7492E-05	1.85468E-05	7.95848E-05	3.85761E-05	8.68492E-05	9.0496E-05	9.65887E-06	7.95848E-05	4.11054E-05
844	8.57447E-05	8.95792E-05	1.90399E-05	8.21659E-05	3.96037E-05	8.91484E-05	9.28983E-05	9.77571E-06	8.21659E-05	4.22505E-05
845	9.17209E-05	9.58143E-05	2.05129E-05	8.80874E-05	4.1728E-05	9.53895E-05	9.93962E-05	1.05814E-05	8.80874E-05	4.46158E-05
846	9.98377E-05	0.000104294	2.2321E-05	9.44421E-05	4.23675E-05	0.000103337	0.000107654	1.1972E-05	9.44421E-05	4.47815E-05
847	0.000103775	0.000108377	2.37128E-05	9.8117E-05	0.000132772	0.000107283	0.00011172	1.3372E-05	9.8117E-05	0.000128968
848	0.000100063	0.00010448	2.32346E-05	9.46078E-05	0.000132529	0.000103376	0.000107615	1.36509E-05	9.46078E-05	0.000128147
849	9.82558E-05	0.000102595	2.27721E-05	9.16723E-05	0.000133152	0.000101092	0.000105222	1.36874E-05	9.16723E-05	0.000128835
850	9.72449E-05	0.000101546	2.24165E-05	8.8917E-05	0.00013357	9.94566E-05	0.000103497	1.39244E-05	8.8917E-05	0.000129298
851	9.72658E-05	0.000101573	2.23373E-05	8.76701E-05	0.000133836	9.90616E-05	0.000103071	1.41918E-05	8.76701E-05	0.000129594
852	9.42663E-05	9.84445E-05	2.15836E-05	8.47028E-05	0.000119246	9.59356E-05	9.98172E-05	1.37762E-05	8.47028E-05	0.000116094
853	9.20132E-05	9.6091E-05	2.10759E-05	8.24998E-05	0.000119095	9.35773E-05	9.73606E-05	1.34982E-05	8.24998E-05	0.000115927
854	8.96668E-05	9.36347E-05	2.06406E-05	8.1528E-05	0.000118278	9.15544E-05	9.52687E-05	1.29364E-05	8.1528E-05	0.000115018
855	9.03756E-05	9.43768E-05	2.07703E-05	8.23506E-05	0.000131595	9.23516E-05	9.61019E-05	1.29699E-05	8.23506E-05	0.000127103
856	9.56798E-05	9.99188E-05	2.19395E-05	8.70329E-05	0.000129782	9.77352E-05	0.000101704	1.37348E-05	8.70329E-05	0.000125084
857	0.000105681	0.000110369	2.4118E-05	9.60157E-05	0.00012829	0.000107948	0.000112334	1.51195E-05	9.60157E-05	0.000123424
858	0.000121089	0.000126468	2.75116E-05	0.000107092	0.000127389	0.000122703	0.00012765	1.7984E-05	0.000107092	0.000122422
859	0.000134737	0.000140715	3.07584E-05	0.000114787	9.72501E-05	0.000134951	0.000140324	2.12296E-05	0.000114787	9.43552E-05
860	0.000137198	0.000143279	3.14153E-05	0.000114241	6.87432E-05	0.000136458	0.000141849	2.23581E-05	0.000114241	6.86496E-05
861	0.00013483	0.000140831	3.04435E-05	0.000109741	5.32451E-05	0.000133305	0.000138573	2.18002E-05	0.000109741	5.41416E-05
862	0.000128019	0.000133745	2.84092E-05	0.000103544	3.92198E-05	0.00012645	0.00013148	1.99754E-05	0.000103544	4.18144E-05
863	0.000115733	0.000120909	2.56855E-05	9.61997E-05	3.83478E-05	0.000115213	0.000119839	1.72993E-05	9.61997E-05	4.0845E-05
864	0.000104555	0.000109235	2.31433E-05	9.07961E-05	3.78623E-05	0.000105458	0.000109755	1.44935E-05	9.07961E-05	4.03054E-05
865	8.89611E-05	9.29397E-05	1.97494E-05	8.13881E-05	3.77821E-05	9.11445E-05	9.49232E-05	1.1163E-05	8.13881E-05	4.02196E-05
866	8.55842E-05	8.94147E-05	1.89486E-05	8.03439E-05	3.80923E-05	8.84146E-05	9.21126E-05	1.01424E-05	8.03439E-05	4.05655E-05
867	8.42345E-05	8.80029E-05	1.86786E-05	8.02151E-05	3.86589E-05	8.74083E-05	9.10798E-05	9.69576E-06	8.02151E-05	4.11975E-05
868	8.62717E-05	9.01292E-05	1.9168E-05	8.27606E-05	3.97041E-05	8.97248E-05	9.34995E-05	9.82705E-06	8.27606E-05	4.23623E-05
869	9.24351E-05	9.65592E-05	2.0693E-05	8.89329E-05	4.1903E-05	9.61823E-05	0.000100223	1.06454E-05	8.89329E-05	4.48106E-05
870	0.000100711	0.000105205	2.2535E-05	9.54376E-05	4.26081E-05	0.000104296	0.000108654	1.20557E-05	9.54376E-05	4.50494E-05
871	0.000106239	0.000110966	2.40056E-05	9.93566E-05	0.000133041	0.000109509	0.000114045	1.35018E-05	9.93566E-05	0.000129267
872	0.000100478	0.000104911	2.33591E-05	9.52206E-05	0.000132909	0.000103872	0.000108134	1.36709E-05	9.52206E-05	0.00012857
873	9.86244E-05	0.000102978	2.28866E-05	9.22406E-05	0.000133612	0.000101541	0.000105691	1.37019E-05	9.22406E-05	0.000129347
874	9.75601E-05	0.000101875	2.24944E-05	8.92799E-05	0.000134075	9.98034E-05	0.000103859	1.39541E-05	8.92799E-05	0.00012986
875	9.76272E-05	0.00010195	2.24267E-05	8.80869E-05	0.000134318	9.94596E-05	0.000103486	1.42258E-05	8.80869E-05	0.000130129
876	9.45866E-05	9.87785E-05	2.16647E-05	8.50839E-05	0.00011974	9.62917E-05	0.000100189	1.38047E-05	8.50839E-05	0.000116643
877	9.2341E-05	9.64326E-05	2.11639E-05	8.29206E-05	0.000119576	9.39509E-05	9.77507E-05	1.35229E-05	8.29206E-05	0.000116461
878	8.98299E-05	9.38028E-05	2.07162E-05	8.1932E-05	0.000118705	9.17981E-05	9.55246E-05	1.29212E-05	8.1932E-05	0.000115492
879	9.06315E-05	9.46423E-05	2.08599E-05	8.28067E-05	0.000131931	9.26811E-05	9.6447E-05	1.29712E-05	8.28067E-05	0.000127476
880	9.60761E-05	0.000100331	2.20576E-05	8.7613E-05	0.00013002	9.82081E-05	0.000102198	1.37546E-05	8.7613E-05	0.000125349
881	0.000106149	0.000110858	2.42426E-05	9.66096E-05	0.000128491	0.00010848	0.000112889	1.5156E-05	9.66096E-05	0.000123647
882	0.000121812	0.000127222	2.76966E-05	0.000107965	0.000127565	0.00012351	0.000128493	1.80463E-05	0.000107965	0.000122617
883	0.000135493	0.000141502	3.09576E-05	0.000115734	9.73697E-05	0.000135805	0.000141216	2.12898E-05	0.000115734	9.44882E-05
884	0.000137936	0.000144048	3.16026E-05	0.000115122	6.88149E-05	0.000137279	0.000142705	2.24231E-05	0.000115122	6.87291E-05
885	0.000134	0.000139946	3.05569E-05	0.000110399	5.33164E-05	0.000132882	0.000138129	2.18219E-05	0.000110399	5.42207E-05
886	0.000128701	0.000134456	2.85769E-05	0.000104326	3.93092E-05	0.000127199	0.000132262	2.00401E-05	0.000104326	4.19137E-05
887	0.000116406	0.000121612	2.58507E-05	9.69689E-05	3.8368E-05	0.000115952	0.000120609	1.73635E-05	9.69689E-05	4.08671E-05
888	0.000105115	0.000109818	2.3289E-05	9.14862E-05	3.77786E-05	0.000106088	0.000110413	1.45399E-05	9.14862E-05	4.02117E-05
889	8.89611E-05	9.29397E-05	1.97494E-05	8.13881E-05	3.77821E-05	9.11445E-05	9.49232E-05	1.1163E-05	8.13881E-05	4.02196E-05
890	8.55842E-05	8.94147E-05	1.89486E-05	8.03439E-05	3.80923E-05	8.84146E-05	9.21126E-05	1.01424E-05	8.03439E-05	4.05655E-05
891	8.42345E-05	8.80029E-05	1.86786E-05	8.02151E-05	3.86589E-05	8.74083E-05	9.10798E-05	9.69576E-06	8.02151E-05	4.11975E-05
892	8.62717E-05	9.01292E-05	1.9168E-05	8.27606E-05	3.97041E-05	8.97248E-05	9.34995E-05	9.82705E-06	8.27606E-05	4.23623E-05
893	9.24351E-05	9.65592E-05	2.0693E-05	8.89329E-05	4.1903E-05	9.61823E-05	0.000100223	1.06454E-05	8.89329E-05	4.48106E-05
894	0.000100711	0.000105205	2.2535E-05	9.54376E-05	4.26081E-05	0.000104296	0.000108654	1.20557E-05	9.54376E-05	4.50494E-05
895	0.000106239	0.000110966	2.40056E-05	9.93566E-05	0.000133041	0.000109509	0.000114045	1.35018E-05	9.93566E-05	0.000129267
896	0.000100478	0.000104911	2.33591E-05	9.52206E-05	0.000132909	0.000103872	0.000108134	1.36709E-05	9.52206E-05	0.00012857
897	9.86244E-05	0.000102978	2.28866E-05	9.22406E-05	0.000133612	0.000101541	0.000105691	1.37019E-05	9.22406E-05	0.000129347
898	9.75601E-05	0.000101875	2.24944E-05	8.92799E-05	0.000134075	9.98034E-05	0.000103859	1.39541E-05	8.92799E-05	0.00012986
899	9.76272E-05	0.00010195	2.24267E-05	8.80869E-05	0.000134318	9.94596E-05	0.000103486	1.42258E-05	8.80869E-05	0.000130129
900	9.45866E-05	9.87785E-05	2.16647E-05	8.50839E-05	0.00011974	9.62917E-05	0.000100189	1.38047E-05	8.50839E-05	0.000116643
901	9.2341E-05	9.64326E-05	2.11639E-05	8.29206E-05	0.000119576	9.39509E-05	9.77507E-05	1.35229E-05	8.29206E-05	0.000116461
902	8.98299E-05	9.38028E-05	2.07162E-05	8.1932E-05	0.000118705	9.17981E-05	9.55246E-05	1.29212E-05	8.1932E-05	0.000115492
903	9.06315E-05	9.46423E-05	2.08599E-05	8.28067E-05	0.000131931	9.26811E-05	9.6447E-05	1.29712E-05	8.28067E-05	0.000127476

904	9.60761E-05	0.000100331	2.20576E-05	8.7613E-05	0.00013002	9.82081E-05	0.000102198	1.37546E-05	8.7613E-05	0.000125349
905	0.000106149	0.000110858	2.42426E-05	9.66096E-05	0.000128491	0.00010848	0.000112889	1.5156E-05	9.66096E-05	0.000123647
906	0.000121812	0.000127222	2.76966E-05	0.000107965	0.000127565	0.00012351	0.000128493	1.80463E-05	0.000107965	0.000122617
907	0.000135493	0.000141502	3.09576E-05	0.000115734	9.73697E-05	0.000135805	0.000141216	2.12898E-05	0.000115734	9.44882E-05
908	0.000137936	0.000144048	3.16026E-05	0.000115122	6.88149E-05	0.000137279	0.000142705	2.24231E-05	0.000115122	6.87291E-05
909	0.000134	0.000139946	3.05569E-05	0.000110399	5.33164E-05	0.000132882	0.000138129	2.18219E-05	0.000110399	5.42207E-05
910	0.000128701	0.000134456	2.85769E-05	0.000104326	3.93092E-05	0.000127199	0.000132262	2.00401E-05	0.000104326	4.19137E-05
911	0.000116406	0.000121612	2.58507E-05	9.69689E-05	3.8368E-05	0.000115952	0.000120609	1.73635E-05	9.69689E-05	4.08671E-05
912	0.000105115	0.000109818	2.3289E-05	9.14862E-05	3.77786E-05	0.000106088	0.000110413	1.45399E-05	9.14862E-05	4.02117E-05
913	8.81385E-05	9.20811E-05	1.95532E-05	8.04828E-05	3.79483E-05	9.02516E-05	9.39921E-05	1.10797E-05	8.04828E-05	4.04048E-05
914	8.50957E-05	8.89058E-05	1.88141E-05	7.96967E-05	3.8054E-05	8.78519E-05	9.15248E-05	1.01083E-05	7.96967E-05	4.0523E-05
915	8.37441E-05	8.7492E-05	1.85468E-05	7.95848E-05	3.85761E-05	8.68492E-05	9.0496E-05	9.65887E-06	7.95848E-05	4.11054E-05
916	8.57447E-05	8.95792E-05	1.90399E-05	8.21659E-05	3.96037E-05	8.91484E-05	9.28983E-05	9.77571E-06	8.21659E-05	4.22505E-05
917	9.17209E-05	9.58143E-05	2.05129E-05	8.80874E-05	4.1728E-05	9.53895E-05	9.93962E-05	1.05814E-05	8.80874E-05	4.46158E-05
918	9.98377E-05	0.000104294	2.2321E-05	9.44421E-05	4.23675E-05	0.000103337	0.000107654	1.1972E-05	9.44421E-05	4.47815E-05
919	0.000103775	0.000108377	2.37128E-05	9.8117E-05	0.000132772	0.000107283	0.00011172	1.3372E-05	9.8117E-05	0.000128968
920	0.000100063	0.00010448	2.32346E-05	9.46078E-05	0.000132529	0.000103376	0.000107615	1.36509E-05	9.46078E-05	0.000128147
921	9.82558E-05	0.000102595	2.27721E-05	9.16723E-05	0.000133152	0.000101092	0.000105222	1.36874E-05	9.16723E-05	0.000128835
922	9.72449E-05	0.000101546	2.24165E-05	8.8917E-05	0.00013357	9.94566E-05	0.000103497	1.39244E-05	8.8917E-05	0.000129298
923	9.72658E-05	0.000101573	2.23373E-05	8.76701E-05	0.000133836	9.90616E-05	0.000103071	1.41918E-05	8.76701E-05	0.000129594
924	9.42663E-05	9.84445E-05	2.15836E-05	8.47028E-05	0.000119246	9.59356E-05	9.98172E-05	1.37762E-05	8.47028E-05	0.000116094
925	9.20132E-05	9.6091E-05	2.10759E-05	8.24998E-05	0.000119095	9.35773E-05	9.73606E-05	1.34982E-05	8.24998E-05	0.000115927
926	8.96668E-05	9.36347E-05	2.06406E-05	8.1528E-05	0.000118278	9.15544E-05	9.52687E-05	1.29364E-05	8.1528E-05	0.000115018
927	9.03756E-05	9.43768E-05	2.07703E-05	8.23506E-05	0.000131595	9.23516E-05	9.61019E-05	1.29699E-05	8.23506E-05	0.000127103
928	9.56798E-05	9.99188E-05	2.19395E-05	8.70329E-05	0.000129782	9.77352E-05	0.000101704	1.37348E-05	8.70329E-05	0.000125084
929	0.000105681	0.000110369	2.4118E-05	9.60157E-05	0.00012829	0.000107948	0.000112334	1.51195E-05	9.60157E-05	0.000123424
930	0.000121089	0.000126468	2.75116E-05	0.000107092	0.000127389	0.000122703	0.00012765	1.7984E-05	0.000107092	0.000122422
931	0.000134737	0.000140715	3.07584E-05	0.000114787	9.72501E-05	0.000134951	0.000140324	2.12296E-05	0.000114787	9.43552E-05
932	0.000137198	0.000143279	3.14153E-05	0.000114241	6.87432E-05	0.000136458	0.000141849	2.23581E-05	0.000114241	6.86496E-05
933	0.00013483	0.000140831	3.04435E-05	0.000109741	5.32451E-05	0.000133305	0.000138573	2.18002E-05	0.000109741	5.41416E-05
934	0.000128019	0.000133745	2.84092E-05	0.000103544	3.92198E-05	0.00012645	0.00013148	1.99754E-05	0.000103544	4.18144E-05
935	0.000115733	0.000120909	2.56855E-05	9.61997E-05	3.83478E-05	0.000115213	0.000119839	1.72993E-05	9.61997E-05	4.0845E-05
936	0.000104555	0.000109235	2.31433E-05	9.07961E-05	3.78623E-05	0.000105458	0.000109755	1.44935E-05	9.07961E-05	4.03054E-05
937	8.81385E-05	9.20811E-05	1.95532E-05	8.04828E-05	3.79483E-05	9.02516E-05	9.39921E-05	1.10797E-05	8.04828E-05	4.04048E-05
938	8.50957E-05	8.89058E-05	1.88141E-05	7.96967E-05	3.8054E-05	8.78519E-05	9.15248E-05	1.01083E-05	7.96967E-05	4.0523E-05
939	8.37441E-05	8.7492E-05	1.85468E-05	7.95848E-05	3.85761E-05	8.68492E-05	9.0496E-05	9.65887E-06	7.95848E-05	4.11054E-05
940	8.57447E-05	8.95792E-05	1.90399E-05	8.21659E-05	3.96037E-05	8.91484E-05	9.28983E-05	9.77571E-06	8.21659E-05	4.22505E-05
941	9.17209E-05	9.58143E-05	2.05129E-05	8.80874E-05	4.1728E-05	9.53895E-05	9.93962E-05	1.05814E-05	8.80874E-05	4.46158E-05
942	9.98377E-05	0.000104294	2.2321E-05	9.44421E-05	4.23675E-05	0.000103337	0.000107654	1.1972E-05	9.44421E-05	4.47815E-05
943	0.000103775	0.000108377	2.37128E-05	9.8117E-05	0.000132772	0.000107283	0.00011172	1.3372E-05	9.8117E-05	0.000128968
944	0.000100063	0.00010448	2.32346E-05	9.46078E-05	0.000132529	0.000103376	0.000107615	1.36509E-05	9.46078E-05	0.000128147
945	9.82558E-05	0.000102595	2.27721E-05	9.16723E-05	0.000133152	0.000101092	0.000105222	1.36874E-05	9.16723E-05	0.000128835
946	9.72449E-05	0.000101546	2.24165E-05	8.8917E-05	0.00013357	9.94566E-05	0.000103497	1.39244E-05	8.8917E-05	0.000129298
947	9.72658E-05	0.000101573	2.23373E-05	8.76701E-05	0.000133836	9.90616E-05	0.000103071	1.41918E-05	8.76701E-05	0.000129594
948	9.42663E-05	9.84445E-05	2.15836E-05	8.47028E-05	0.000119246	9.59356E-05	9.98172E-05	1.37762E-05	8.47028E-05	0.000116094
949	9.20132E-05	9.6091E-05	2.10759E-05	8.24998E-05	0.000119095	9.35773E-05	9.73606E-05	1.34982E-05	8.24998E-05	0.000115927
950	8.96668E-05	9.36347E-05	2.06406E-05	8.1528E-05	0.000118278	9.15544E-05	9.52687E-05	1.29364E-05	8.1528E-05	0.000115018
951	9.03756E-05	9.43768E-05	2.07703E-05	8.23506E-05	0.000131595	9.23516E-05	9.61019E-05	1.29699E-05	8.23506E-05	0.000127103
952	9.56798E-05	9.99188E-05	2.19395E-05	8.70329E-05	0.000129782	9.77352E-05	0.000101704	1.37348E-05	8.70329E-05	0.000125084
953	0.000105681	0.000110369	2.4118E-05	9.60157E-05	0.00012829	0.000107948	0.000112334	1.51195E-05	9.60157E-05	0.000123424
954	0.000121089	0.000126468	2.75116E-05	0.000107092	0.000127389	0.000122703	0.00012765	1.7984E-05	0.000107092	0.000122422
955	0.000134737	0.000140715	3.07584E-05	0.000114787	9.72501E-05	0.000134951	0.000140324	2.12296E-05	0.000114787	9.43552E-05
956	0.000137198	0.000143279	3.14153E-05	0.000114241	6.87432E-05	0.000136458	0.000141849	2.23581E-05	0.000114241	6.86496E-05
957	0.00013483	0.000140831	3.04435E-05	0.000109741	5.32451E-05	0.000133305	0.000138573	2.18002E-05	0.000109741	5.41416E-05
958	0.000128019	0.000133745	2.84092E-05	0.000103544	3.92198E-05	0.00012645	0.00013148	1.99754E-05	0.000103544	4.18144E-05
959	0.000115733	0.000120909	2.56855E-05	9.61997E-05	3.83478E-05	0.000115213	0.000119839	1.72993E-05	9.61997E-05	4.0845E-05
960	0.000104555	0.000109235	2.31433E-05	9.07961E-05	3.78623E-05	0.000105458	0.000109755	1.44935E-05	9.07961E-05	4.03054E-05
961	8.81385E-05	9.20811E-05	1.95532E-05	8.04828E-05	3.79483E-05	9.02516E-05	9.39921E-05	1.10797E-05	8.04828E-05	4.04048E-05
962	8.50957E-05	8.89058E-05	1.88141E-05	7.96967E-05	3.8054E-05	8.78519E-05	9.15248E-05	1.01083E-05	7.96967E-05	4.0523E-05
963	8.37441E-05	8.7492E-05	1.85468E-05	7.95848E-05	3.85761E-05	8.68492E-05	9.0496E-05	9.65887E-06	7.95848E-05	4.11054E-05
964	8.57447E-05	8.95792E-05	1.90399E-05	8.21659E-05	3.96037E-05	8.91484E-05	9.28983E-05	9.77571E-06	8.21659E-05	4.22505E-05
965	9.17209E-05	9.58143E-05	2.05129E-05	8.80874E-05	4.1728E-05	9.53895E-05	9.93962E-05	1.05814E-05	8.80874E-05	4.46158E-05
966	9.98377E-05	0.000104294	2.2321E-05	9.44421E-05	4.23675E-05	0.000103337	0.000107654	1.1972E-05	9.44421E-05	4.47815E-05
967	0.000103775	0.000108377	2.37128E-05	9.8117E-05	0.000132772	0.000107283	0.00011172	1.3372E-05	9.8117E-05	0.000128968
968	0.000100063	0.00010448	2.32346E-05	9.46078E-05	0.000132529	0.000103376	0.000107615	1.36509E-05	9.46078E-05	0.000128147
969	9.82558E-05	0.000102595	2.27721E-05	9.16723E-05	0.000133152	0.000101092	0.000105222	1.36874E-05	9.16723E-05	0.000128835
970	9.72449E-05	0.000101546	2.24165E-05	8.8917E-05	0.00013357	9.94566E-05	0.000103497	1.39244E-05	8.8917E-05	0.000129298
971	9.72658E-05	0.000101573	2.23373E-05	8.76701E-05	0.000133836	9.90616E-05	0.000103071	1.41918E-05	8.76701E-05	0.000129594
972	9.42663E-05	9.84445E-05	2.15836E-05	8.47028E-05	0.000119246	9.59356E-05	9.98172E-05	1.37762E-05	8.47028E-05	0.000116094
973	9.20132E-05	9.6091E-05	2.10759E-05	8.24998E-05	0.000119095	9.35773E-05	9.73606E-05	1.34982E-05	8.24998E-05	0.000115927
974	8.96668E-05	9.36347E-05	2.06406E-05	8.1528E-05	0.000118278	9.15544E-05	9.52687E-05	1.29364E-05	8.1528E-05	0.000115018
975	9.03756E-05	9.43768E-05	2.07703E-05	8.23506E-05	0.000131595	9.23516E-05	9.61019E-05	1.29699E-05	8.23506E-05	0.000127103
976	9.56798E-05	9.99188E-05	2.19395E-05	8.70329E-05	0.000129782	9.77352E-05	0.000101704	1.37348E-05	8.70329E-05	0.000125084
977	0.000105681	0.000110369	2.4118E-05	9.60157E-05	0.00012829	0.000107948	0.000112334	1.51195E-05	9.60157E-05	0.000123424
978	0.000121089	0.000126468	2.75116E-05	0.000107092	0.000127389	0.000122703	0.00012765	1.7984E-05	0.000107092	0.000122422
979	0.000134737	0.000140715	3.07584E-05	0.000114787	9.72501E-05	0.000134951	0.000140324	2.12296E-05	0.000114787	9.43552E-05

980	0.000137198	0.000143279	3.14153E-05	0.000114241	6.87432E-05	0.000136458	0.000141849	2.23581E-05	0.000114241	6.86496E-05
981	0.00013483	0.000140831	3.04435E-05	0.000109741	5.32451E-05	0.000133305	0.000138573	2.18002E-05	0.000109741	5.41416E-05
982	0.000128019	0.000133745	2.84092E-05	0.000103544	3.92198E-05	0.00012645	0.00013148	1.99754E-05	0.000103544	4.18144E-05
983	0.000115733	0.000120909	2.56855E-05	9.61997E-05	3.83478E-05	0.000115213	0.000119839	1.72993E-05	9.61997E-05	4.0845E-05
984	0.000104555	0.000109235	2.31433E-05	9.07961E-05	3.78623E-05	0.000105458	0.000109755	1.44935E-05	9.07961E-05	4.03054E-05
985	8.81385E-05	9.20811E-05	1.95532E-05	8.04828E-05	3.79483E-05	9.02516E-05	9.39921E-05	1.10797E-05	8.04828E-05	4.04048E-05
986	8.50957E-05	8.89058E-05	1.88141E-05	7.96967E-05	3.8054E-05	8.78519E-05	9.15248E-05	1.01083E-05	7.96967E-05	4.0523E-05
987	8.37441E-05	8.7492E-05	1.85468E-05	7.95848E-05	3.85761E-05	8.68492E-05	9.0496E-05	9.65887E-06	7.95848E-05	4.11054E-05
988	8.57447E-05	8.95792E-05	1.90399E-05	8.21659E-05	3.96037E-05	8.91484E-05	9.28983E-05	9.77571E-06	8.21659E-05	4.22505E-05
989	9.17209E-05	9.58143E-05	2.05129E-05	8.80874E-05	4.1728E-05	9.53895E-05	9.93962E-05	1.05814E-05	8.80874E-05	4.46158E-05
990	9.98377E-05	0.000104294	2.2321E-05	9.44421E-05	4.23675E-05	0.000103337	0.000107654	1.1972E-05	9.44421E-05	4.47815E-05
991	0.000103775	0.000108377	2.37128E-05	9.8117E-05	0.000132772	0.000107283	0.00011172	1.3372E-05	9.8117E-05	0.000128968
992	0.000100063	0.00010448	2.32346E-05	9.46078E-05	0.000132529	0.000103376	0.000107615	1.36509E-05	9.46078E-05	0.000128147
993	9.82558E-05	0.000102595	2.27721E-05	9.16723E-05	0.000133152	0.000101092	0.000105222	1.36874E-05	9.16723E-05	0.000128835
994	9.72449E-05	0.000101546	2.24165E-05	8.8917E-05	0.00013357	9.94566E-05	0.000103497	1.39244E-05	8.8917E-05	0.000129298
995	9.72658E-05	0.000101573	2.23373E-05	8.76701E-05	0.000133836	9.90616E-05	0.000103071	1.41918E-05	8.76701E-05	0.000129594
996	9.42663E-05	9.84445E-05	2.15836E-05	8.47028E-05	0.000119246	9.59356E-05	9.98172E-05	1.37762E-05	8.47028E-05	0.000116094
997	9.20132E-05	9.6091E-05	2.10759E-05	8.24998E-05	0.000119095	9.35773E-05	9.73606E-05	1.34982E-05	8.24998E-05	0.000115927
998	8.96668E-05	9.36347E-05	2.06406E-05	8.1528E-05	0.000118278	9.15544E-05	9.52687E-05	1.29364E-05	8.1528E-05	0.000115018
999	9.03756E-05	9.43768E-05	2.07703E-05	8.23506E-05	0.000131595	9.23516E-05	9.61019E-05	1.29699E-05	8.23506E-05	0.000127103
1000	9.56798E-05	9.99188E-05	2.19395E-05	8.70329E-05	0.000129782	9.77352E-05	0.000101704	1.37348E-05	8.70329E-05	0.000125084
1001	0.000105681	0.000110369	2.4118E-05	9.60157E-05	0.00012829	0.000107948	0.000112334	1.51195E-05	9.60157E-05	0.000123424
1002	0.000121089	0.000126468	2.75116E-05	0.000107092	0.000127389	0.000122703	0.00012765	1.7984E-05	0.000107092	0.000122422
1003	0.000134737	0.000140715	3.07584E-05	0.000114787	9.72501E-05	0.000134951	0.000140324	2.12296E-05	0.000114787	9.43552E-05
1004	0.000137198	0.000143279	3.14153E-05	0.000114241	6.87432E-05	0.000136458	0.000141849	2.23581E-05	0.000114241	6.86496E-05
1005	0.00013483	0.000140831	3.04435E-05	0.000109741	5.32451E-05	0.000133305	0.000138573	2.18002E-05	0.000109741	5.41416E-05
1006	0.000128019	0.000133745	2.84092E-05	0.000103544	3.92198E-05	0.00012645	0.00013148	1.99754E-05	0.000103544	4.18144E-05
1007	0.000115733	0.000120909	2.56855E-05	9.61997E-05	3.83478E-05	0.000115213	0.000119839	1.72993E-05	9.61997E-05	4.0845E-05
1008	0.000104555	0.000109235	2.31433E-05	9.07961E-05	3.78623E-05	0.000105458	0.000109755	1.44935E-05	9.07961E-05	4.03054E-05
1009	8.81385E-05	9.20811E-05	1.95532E-05	8.04828E-05	3.79483E-05	9.02516E-05	9.39921E-05	1.10797E-05	8.04828E-05	4.04048E-05
1010	8.50957E-05	8.89058E-05	1.88141E-05	7.96967E-05	3.8054E-05	8.78519E-05	9.15248E-05	1.01083E-05	7.96967E-05	4.0523E-05
1011	8.37441E-05	8.7492E-05	1.85468E-05	7.95848E-05	3.85761E-05	8.68492E-05	9.0496E-05	9.65887E-06	7.95848E-05	4.11054E-05
1012	8.57447E-05	8.95792E-05	1.90399E-05	8.21659E-05	3.96037E-05	8.91484E-05	9.28983E-05	9.77571E-06	8.21659E-05	4.22505E-05
1013	9.17209E-05	9.58143E-05	2.05129E-05	8.80874E-05	4.1728E-05	9.53895E-05	9.93962E-05	1.05814E-05	8.80874E-05	4.46158E-05
1014	9.98377E-05	0.000104294	2.2321E-05	9.44421E-05	4.23675E-05	0.000103337	0.000107654	1.1972E-05	9.44421E-05	4.47815E-05
1015	0.000103775	0.000108377	2.37128E-05	9.8117E-05	0.000132772	0.000107283	0.00011172	1.3372E-05	9.8117E-05	0.000128968
1016	0.000100063	0.00010448	2.32346E-05	9.46078E-05	0.000132529	0.000103376	0.000107615	1.36509E-05	9.46078E-05	0.000128147
1017	9.82558E-05	0.000102595	2.27721E-05	9.16723E-05	0.000133152	0.000101092	0.000105222	1.36874E-05	9.16723E-05	0.000128835
1018	9.72449E-05	0.000101546	2.24165E-05	8.8917E-05	0.00013357	9.94566E-05	0.000103497	1.39244E-05	8.8917E-05	0.000129298
1019	9.72658E-05	0.000101573	2.23373E-05	8.76701E-05	0.000133836	9.90616E-05	0.000103071	1.41918E-05	8.76701E-05	0.000129594
1020	9.42663E-05	9.84445E-05	2.15836E-05	8.47028E-05	0.000119246	9.59356E-05	9.98172E-05	1.37762E-05	8.47028E-05	0.000116094
1021	9.20132E-05	9.6091E-05	2.10759E-05	8.24998E-05	0.000119095	9.35773E-05	9.73606E-05	1.34982E-05	8.24998E-05	0.000115927
1022	8.96668E-05	9.36347E-05	2.06406E-05	8.1528E-05	0.000118278	9.15544E-05	9.52687E-05	1.29364E-05	8.1528E-05	0.000115018
1023	9.03756E-05	9.43768E-05	2.07703E-05	8.23506E-05	0.000131595	9.23516E-05	9.61019E-05	1.29699E-05	8.23506E-05	0.000127103
1024	9.56798E-05	9.99188E-05	2.19395E-05	8.70329E-05	0.000129782	9.77352E-05	0.000101704	1.37348E-05	8.70329E-05	0.000125084
1025	0.000105681	0.000110369	2.4118E-05	9.60157E-05	0.00012829	0.000107948	0.000112334	1.51195E-05	9.60157E-05	0.000123424
1026	0.000121089	0.000126468	2.75116E-05	0.000107092	0.000127389	0.000122703	0.00012765	1.7984E-05	0.000107092	0.000122422
1027	0.000134737	0.000140715	3.07584E-05	0.000114787	9.72501E-05	0.000134951	0.000140324	2.12296E-05	0.000114787	9.43552E-05
1028	0.000137198	0.000143279	3.14153E-05	0.000114241	6.87432E-05	0.000136458	0.000141849	2.23581E-05	0.000114241	6.86496E-05
1029	0.00013483	0.000140831	3.04435E-05	0.000109741	5.32451E-05	0.000133305	0.000138573	2.18002E-05	0.000109741	5.41416E-05
1030	0.000128019	0.000133745	2.84092E-05	0.000103544	3.92198E-05	0.00012645	0.00013148	1.99754E-05	0.000103544	4.18144E-05
1031	0.000115733	0.000120909	2.56855E-05	9.61997E-05	3.83478E-05	0.000115213	0.000119839	1.72993E-05	9.61997E-05	4.0845E-05
1032	0.000104555	0.000109235	2.31433E-05	9.07961E-05	3.78623E-05	0.000105458	0.000109755	1.44935E-05	9.07961E-05	4.03054E-05
1033	8.89611E-05	9.29397E-05	1.97494E-05	8.13881E-05	3.77821E-05	9.11445E-05	9.49232E-05	1.1163E-05	8.13881E-05	4.02196E-05
1034	8.55842E-05	8.94147E-05	1.89486E-05	8.03439E-05	3.80923E-05	8.84146E-05	9.21126E-05	1.01424E-05	8.03439E-05	4.05655E-05
1035	8.42345E-05	8.80029E-05	1.86786E-05	8.02151E-05	3.86589E-05	8.74083E-05	9.10798E-05	9.69576E-06	8.02151E-05	4.11975E-05
1036	8.62717E-05	9.01292E-05	1.9168E-05	8.27606E-05	3.97041E-05	8.97248E-05	9.34995E-05	9.82705E-06	8.27606E-05	4.23623E-05
1037	9.24351E-05	9.65592E-05	2.0693E-05	8.89329E-05	4.1903E-05	9.61823E-05	0.000100223	1.06454E-05	8.89329E-05	4.48106E-05
1038	0.000100711	0.000105205	2.2535E-05	9.54376E-05	4.26081E-05	0.000104296	0.000108654	1.20557E-05	9.54376E-05	4.50494E-05
1039	0.000106239	0.000110966	2.40056E-05	9.93566E-05	0.000133041	0.000109509	0.000114045	1.35018E-05	9.93566E-05	0.000129267
1040	0.000100478	0.000104911	2.33591E-05	9.52206E-05	0.000132909	0.000103872	0.000108134	1.36709E-05	9.52206E-05	0.00012857
1041	9.86244E-05	0.000102978	2.28866E-05	9.22406E-05	0.000133612	0.000101541	0.000105691	1.37019E-05	9.22406E-05	0.000129347
1042	9.75601E-05	0.000101875	2.24944E-05	8.92799E-05	0.000134075	9.98034E-05	0.000103859	1.39541E-05	8.92799E-05	0.00012986
1043	9.76272E-05	0.00010195	2.24267E-05	8.80869E-05	0.000134318	9.94596E-05	0.000103486	1.42258E-05	8.80869E-05	0.000130129
1044	9.45866E-05	9.87785E-05	2.16647E-05	8.50839E-05	0.00011974	9.62917E-05	0.000100189	1.38047E-05	8.50839E-05	0.000116643
1045	9.2341E-05	9.64326E-05	2.11639E-05	8.29206E-05	0.000119576	9.39509E-05	9.77507E-05	1.35229E-05	8.29206E-05	0.000116461
1046	8.98299E-05	9.38028E-05	2.07162E-05	8.1932E-05	0.000118705	9.17981E-05	9.55246E-05	1.29212E-05	8.1932E-05	0.000115492
1047	9.06315E-05	9.46423E-05	2.08599E-05	8.28067E-05	0.000131931	9.26811E-05	9.6447E-05	1.29712E-05	8.28067E-05	0.000127476
1048	9.60761E-05	0.000100331	2.20576E-05	8.7613E-05	0.00013002	9.82081E-05	0.000102198	1.37546E-05	8.7613E-05	0.000125349
1049	0.000106149	0.000110858	2.42426E-05	9.66096E-05	0.000128491	0.00010848	0.000112889	1.5156E-05	9.66096E-05	0.000123647
1050	0.000121812	0.000127222	2.76966E-05	0.000107965	0.000127565	0.00012351	0.000128493	1.80463E-05	0.000107965	0.000122617
1051	0.000135493	0.000141502	3.09576E-05	0.000115734	9.73697E-05	0.000135805	0.000141216	2.12898E-05	0.000115734	9.44882E-05
1052	0.000137936	0.000144048	3.16026E-05	0.000115122	6.88149E-05	0.000137279	0.000142705	2.24231E-05	0.000115122	6.87291E-05
1053	0.000134	0.000139946	3.05569E-05	0.000110399	5.33164E-05	0.000132882	0.000138129	2.18219E-05	0.000110399	5.42207E-05
1054	0.000128701	0.000134456	2.85769E-05	0.000104326	3.93092E-05	0.000127199	0.000132262	2.00401E-05	0.000104326	4.19137E-05
1055	0.000116406	0.000121612	2.58507E-05	9.69689E-05	3.8368E-05	0.000115952	0.000120609	1.73635E-05	9.69689E-05	4.08671E-05

1056	0.000105115	0.000109818	2.3289E-05	9.14862E-05	3.77786E-05	0.000106088	0.000110413	1.45399E-05	9.14862E-05	4.02117E-05
1057	8.89611E-05	9.29397E-05	1.97494E-05	8.13881E-05	3.77821E-05	9.11445E-05	9.49232E-05	1.1163E-05	8.13881E-05	4.02196E-05
1058	8.55842E-05	8.94147E-05	1.89486E-05	8.03439E-05	3.80923E-05	8.84146E-05	9.21126E-05	1.01424E-05	8.03439E-05	4.05655E-05
1059	8.42345E-05	8.80029E-05	1.86786E-05	8.02151E-05	3.86589E-05	8.74083E-05	9.10798E-05	9.69576E-06	8.02151E-05	4.11975E-05
1060	8.62717E-05	9.01292E-05	1.9168E-05	8.27606E-05	3.97041E-05	8.97248E-05	9.34995E-05	9.82705E-06	8.27606E-05	4.23623E-05
1061	9.24351E-05	9.65592E-05	2.0693E-05	8.89329E-05	4.1903E-05	9.61823E-05	0.000100223	1.06454E-05	8.89329E-05	4.48106E-05
1062	0.000100711	0.000105205	2.2535E-05	9.54376E-05	4.26081E-05	0.000104296	0.000108654	1.20557E-05	9.54376E-05	4.50494E-05
1063	0.000106239	0.000110966	2.40056E-05	9.93566E-05	0.000133041	0.000109509	0.000114045	1.35018E-05	9.93566E-05	0.000129267
1064	0.000100478	0.000104911	2.33591E-05	9.52206E-05	0.000132909	0.000103872	0.000108134	1.36709E-05	9.52206E-05	0.00012857
1065	9.86244E-05	0.000102978	2.28866E-05	9.22406E-05	0.000133612	0.000101541	0.000105691	1.37019E-05	9.22406E-05	0.000129347
1066	9.75601E-05	0.000101875	2.24944E-05	8.92799E-05	0.000134075	9.98034E-05	0.000103859	1.39541E-05	8.92799E-05	0.00012986
1067	9.76272E-05	0.00010195	2.24267E-05	8.80869E-05	0.000134318	9.94596E-05	0.000103486	1.42258E-05	8.80869E-05	0.000130129
1068	9.45866E-05	9.87785E-05	2.16647E-05	8.50839E-05	0.00011974	9.62917E-05	0.000100189	1.38047E-05	8.50839E-05	0.000116643
1069	9.2341E-05	9.64326E-05	2.11639E-05	8.29206E-05	0.000119576	9.39509E-05	9.77507E-05	1.35229E-05	8.29206E-05	0.000116461
1070	8.98299E-05	9.38028E-05	2.07162E-05	8.1932E-05	0.000118705	9.17981E-05	9.55246E-05	1.29212E-05	8.1932E-05	0.000115492
1071	9.06315E-05	9.46423E-05	2.08599E-05	8.28067E-05	0.000131931	9.26811E-05	9.6447E-05	1.29712E-05	8.28067E-05	0.000127476
1072	9.60761E-05	0.000100331	2.20576E-05	8.7613E-05	0.00013002	9.82081E-05	0.000102198	1.37546E-05	8.7613E-05	0.000125349
1073	0.000106149	0.000110858	2.42426E-05	9.66096E-05	0.000128491	0.00010848	0.000112889	1.5156E-05	9.66096E-05	0.000123647
1074	0.000121812	0.000127222	2.76966E-05	0.000107965	0.000127565	0.00012351	0.000128493	1.80463E-05	0.000107965	0.000122617
1075	0.000135493	0.000141502	3.09576E-05	0.000115734	9.73697E-05	0.000135805	0.000141216	2.12898E-05	0.000115734	9.44882E-05
1076	0.000137936	0.000144048	3.16026E-05	0.000115122	6.88149E-05	0.000137279	0.000142705	2.24231E-05	0.000115122	6.87291E-05
1077	0.000134	0.000139946	3.05569E-05	0.000110399	5.33164E-05	0.000132882	0.000138129	2.18219E-05	0.000110399	5.42207E-05
1078	0.000128701	0.000134456	2.85769E-05	0.000104326	3.93092E-05	0.000127199	0.000132262	2.00401E-05	0.000104326	4.19137E-05
1079	0.000116406	0.000121612	2.58507E-05	9.69689E-05	3.8368E-05	0.000115952	0.000120609	1.73635E-05	9.69689E-05	4.08671E-05
1080	0.000105115	0.000109818	2.3289E-05	9.14862E-05	3.77786E-05	0.000106088	0.000110413	1.45399E-05	9.14862E-05	4.02117E-05
1081	8.89611E-05	9.29397E-05	1.97494E-05	8.13881E-05	3.77821E-05	9.11445E-05	9.49232E-05	1.1163E-05	8.13881E-05	4.02196E-05
1082	8.55842E-05	8.94147E-05	1.89486E-05	8.03439E-05	3.80923E-05	8.84146E-05	9.21126E-05	1.01424E-05	8.03439E-05	4.05655E-05
1083	8.42345E-05	8.80029E-05	1.86786E-05	8.02151E-05	3.86589E-05	8.74083E-05	9.10798E-05	9.69576E-06	8.02151E-05	4.11975E-05
1084	8.62717E-05	9.01292E-05	1.9168E-05	8.27606E-05	3.97041E-05	8.97248E-05	9.34995E-05	9.82705E-06	8.27606E-05	4.23623E-05
1085	9.24351E-05	9.65592E-05	2.0693E-05	8.89329E-05	4.1903E-05	9.61823E-05	0.000100223	1.06454E-05	8.89329E-05	4.48106E-05
1086	0.000100711	0.000105205	2.2535E-05	9.54376E-05	4.26081E-05	0.000104296	0.000108654	1.20557E-05	9.54376E-05	4.50494E-05
1087	0.000106239	0.000110966	2.40056E-05	9.93566E-05	0.000133041	0.000109509	0.000114045	1.35018E-05	9.93566E-05	0.000129267
1088	0.000100478	0.000104911	2.33591E-05	9.52206E-05	0.000132909	0.000103872	0.000108134	1.36709E-05	9.52206E-05	0.00012857
1089	9.86244E-05	0.000102978	2.28866E-05	9.22406E-05	0.000133612	0.000101541	0.000105691	1.37019E-05	9.22406E-05	0.000129347
1090	9.75601E-05	0.000101875	2.24944E-05	8.92799E-05	0.000134075	9.98034E-05	0.000103859	1.39541E-05	8.92799E-05	0.00012986
1091	9.76272E-05	0.00010195	2.24267E-05	8.80869E-05	0.000134318	9.94596E-05	0.000103486	1.42258E-05	8.80869E-05	0.000130129
1092	9.45866E-05	9.87785E-05	2.16647E-05	8.50839E-05	0.00011974	9.62917E-05	0.000100189	1.38047E-05	8.50839E-05	0.000116643
1093	9.2341E-05	9.64326E-05	2.11639E-05	8.29206E-05	0.000119576	9.39509E-05	9.77507E-05	1.35229E-05	8.29206E-05	0.000116461
1094	8.98299E-05	9.38028E-05	2.07162E-05	8.1932E-05	0.000118705	9.17981E-05	9.55246E-05	1.29212E-05	8.1932E-05	0.000115492
1095	9.06315E-05	9.46423E-05	2.08599E-05	8.28067E-05	0.000131931	9.26811E-05	9.6447E-05	1.29712E-05	8.28067E-05	0.000127476
1096	9.60761E-05	0.000100331	2.20576E-05	8.7613E-05	0.00013002	9.82081E-05	0.000102198	1.37546E-05	8.7613E-05	0.000125349
1097	0.000106149	0.000110858	2.42426E-05	9.66096E-05	0.000128491	0.00010848	0.000112889	1.5156E-05	9.66096E-05	0.000123647
1098	0.000121812	0.000127222	2.76966E-05	0.000107965	0.000127565	0.00012351	0.000128493	1.80463E-05	0.000107965	0.000122617
1099	0.000135493	0.000141502	3.09576E-05	0.000115734	9.73697E-05	0.000135805	0.000141216	2.12898E-05	0.000115734	9.44882E-05
1100	0.000137936	0.000144048	3.16026E-05	0.000115122	6.88149E-05	0.000137279	0.000142705	2.24231E-05	0.000115122	6.87291E-05
1101	0.000134	0.000139946	3.05569E-05	0.000110399	5.33164E-05	0.000132882	0.000138129	2.18219E-05	0.000110399	5.42207E-05
1102	0.000128701	0.000134456	2.85769E-05	0.000104326	3.93092E-05	0.000127199	0.000132262	2.00401E-05	0.000104326	4.19137E-05
1103	0.000116406	0.000121612	2.58507E-05	9.69689E-05	3.8368E-05	0.000115952	0.000120609	1.73635E-05	9.69689E-05	4.08671E-05
1104	0.000105115	0.000109818	2.3289E-05	9.14862E-05	3.77786E-05	0.000106088	0.000110413	1.45399E-05	9.14862E-05	4.02117E-05
1105	8.81385E-05	9.20811E-05	1.95532E-05	8.04828E-05	3.79483E-05	9.02516E-05	9.39921E-05	1.10797E-05	8.04828E-05	4.04048E-05
1106	8.50957E-05	8.89058E-05	1.88141E-05	7.96967E-05	3.8054E-05	8.78519E-05	9.15248E-05	1.01083E-05	7.96967E-05	4.0523E-05
1107	8.37441E-05	8.7492E-05	1.85468E-05	7.95848E-05	3.85761E-05	8.68492E-05	9.0496E-05	9.65887E-06	7.95848E-05	4.11054E-05
1108	8.57447E-05	8.95792E-05	1.90399E-05	8.21659E-05	3.96037E-05	8.91484E-05	9.28983E-05	9.77571E-06	8.21659E-05	4.22505E-05
1109	9.17209E-05	9.58143E-05	2.05129E-05	8.80874E-05	4.1728E-05	9.53895E-05	9.93962E-05	1.05814E-05	8.80874E-05	4.46158E-05
1110	9.98377E-05	0.000104294	2.2321E-05	9.44421E-05	4.23675E-05	0.000103337	0.000107654	1.1972E-05	9.44421E-05	4.47815E-05
1111	0.000103775	0.000108377	2.37128E-05	9.8117E-05	0.000132772	0.000107283	0.00011172	1.3372E-05	9.8117E-05	0.000128968
1112	0.000100063	0.00010448	2.32346E-05	9.46078E-05	0.000132529	0.000103376	0.000107615	1.36509E-05	9.46078E-05	0.000128147
1113	9.82558E-05	0.000102595	2.27721E-05	9.16723E-05	0.000133152	0.000101092	0.000105222	1.36874E-05	9.16723E-05	0.000128835
1114	9.72449E-05	0.000101546	2.24165E-05	8.8917E-05	0.00013357	9.94566E-05	0.000103497	1.39244E-05	8.8917E-05	0.000129298
1115	9.72658E-05	0.000101573	2.23373E-05	8.76701E-05	0.000133836	9.90616E-05	0.000103071	1.41918E-05	8.76701E-05	0.000129594
1116	9.42663E-05	9.84445E-05	2.15836E-05	8.47028E-05	0.000119246	9.59356E-05	9.98172E-05	1.37762E-05	8.47028E-05	0.000116094
1117	9.20132E-05	9.6091E-05	2.10759E-05	8.24998E-05	0.000119095	9.35773E-05	9.73606E-05	1.34982E-05	8.24998E-05	0.000115927
1118	8.96668E-05	9.36347E-05	2.06406E-05	8.1528E-05	0.000118278	9.15544E-05	9.52687E-05	1.29364E-05	8.1528E-05	0.000115018
1119	9.03756E-05	9.43768E-05	2.07703E-05	8.23506E-05	0.000131595	9.23516E-05	9.61019E-05	1.29699E-05	8.23506E-05	0.000127103
1120	9.56798E-05	9.99188E-05	2.19395E-05	8.70329E-05	0.000129782	9.77352E-05	0.000101704	1.37348E-05	8.70329E-05	0.000125084
1121	0.000105681	0.000110369	2.4118E-05	9.60157E-05	0.00012829	0.000107948	0.000112334	1.51195E-05	9.60157E-05	0.000123424
1122	0.000121089	0.000126468	2.75116E-05	0.000107092	0.000127389	0.000122703	0.00012765	1.7984E-05	0.000107092	0.000122422
1123	0.000134737	0.000140715	3.07584E-05	0.000114787	9.72501E-05	0.000134951	0.000140324	2.12296E-05	0.000114787	9.43552E-05
1124	0.000137198	0.000143279	3.14153E-05	0.000114241	6.87432E-05	0.000136458	0.000141849	2.23581E-05	0.000114241	6.86496E-05
1125	0.00013483	0.000140831	3.04435E-05	0.000109741	5.32451E-05	0.000133305	0.000138573	2.18002E-05	0.000109741	5.41416E-05
1126	0.000128019	0.000133745	2.84092E-05	0.000103544	3.92198E-05	0.00012645	0.00013148	1.99754E-05	0.000103544	4.18144E-05
1127	0.000115733	0.000120909	2.56855E-05	9.61997E-05	3.83478E-05	0.000115213	0.000119839	1.72993E-05	9.61997E-05	4.0845E-05
1128	0.000104555	0.000109235	2.31433E-05	9.07961E-05	3.78623E-05	0.000105458	0.000109755	1.44935E-05	9.07961E-05	4.03054E-05
1129	8.81385E-05	9.20811E-05	1.95532E-05	8.04828E-05	3.79483E-05	9.02516E-05	9.39921E-05	1.10797E-05	8.04828E-05	4.04048E-05
1130	8.50957E-05	8.89058E-05	1.88141E-05	7.96967E-05	3.8054E-05	8.78519E-05	9.15248E-05	1.01083E-05	7.96967E-05	4.0523E-05
1131	8.37441E-05	8.7492E-05	1.85468E-05	7.95848E-05	3.85761E-05	8.68492E-05	9.0496E-05	9.65887E-06	7.95848E-05	4.11054E-05

1132	8.57447E-05	8.95792E-05	1.90399E-05	8.21659E-05	3.96037E-05	8.91484E-05	9.28983E-05	9.77571E-06	8.21659E-05	4.22505E-05
1133	9.17209E-05	9.58143E-05	2.05129E-05	8.80874E-05	4.1728E-05	9.53895E-05	9.93962E-05	1.05814E-05	8.80874E-05	4.46158E-05
1134	9.98377E-05	0.000104294	2.2321E-05	9.44421E-05	4.23675E-05	0.000103337	0.000107654	1.1972E-05	9.44421E-05	4.47815E-05
1135	0.000103775	0.000108377	2.37128E-05	9.8117E-05	0.000132772	0.000107283	0.00011172	1.3372E-05	9.8117E-05	0.000128968
1136	0.000100063	0.00010448	2.32346E-05	9.46078E-05	0.000132529	0.000103376	0.000107615	1.36509E-05	9.46078E-05	0.000128147
1137	9.82558E-05	0.000102595	2.27721E-05	9.16723E-05	0.000133152	0.000101092	0.000105222	1.36874E-05	9.16723E-05	0.000128835
1138	9.72449E-05	0.000101546	2.24165E-05	8.8917E-05	0.00013357	9.94566E-05	0.000103497	1.39244E-05	8.8917E-05	0.000129298
1139	9.72658E-05	0.000101573	2.23373E-05	8.76701E-05	0.000133836	9.90616E-05	0.000103071	1.41918E-05	8.76701E-05	0.000129594
1140	9.42663E-05	9.84445E-05	2.15836E-05	8.47028E-05	0.000119246	9.59356E-05	9.98172E-05	1.37762E-05	8.47028E-05	0.000116094
1141	9.20132E-05	9.6091E-05	2.10759E-05	8.24998E-05	0.000119095	9.35773E-05	9.73606E-05	1.34982E-05	8.24998E-05	0.000115927
1142	8.96668E-05	9.36347E-05	2.06406E-05	8.1528E-05	0.000118278	9.15544E-05	9.52687E-05	1.29364E-05	8.1528E-05	0.000115018
1143	9.03756E-05	9.43768E-05	2.07703E-05	8.23506E-05	0.000131595	9.23516E-05	9.61019E-05	1.29699E-05	8.23506E-05	0.000127103
1144	9.56798E-05	9.99188E-05	2.19395E-05	8.70329E-05	0.000129782	9.77352E-05	0.000101704	1.37348E-05	8.70329E-05	0.000125084
1145	0.000105681	0.000110369	2.4118E-05	9.60157E-05	0.00012829	0.000107948	0.000112334	1.51195E-05	9.60157E-05	0.000123424
1146	0.000121089	0.000126468	2.75116E-05	0.000107092	0.000127389	0.000122703	0.00012765	1.7984E-05	0.000107092	0.000122422
1147	0.000134737	0.000140715	3.07584E-05	0.000114787	9.72501E-05	0.000134951	0.000140324	2.12296E-05	0.000114787	9.43552E-05
1148	0.000137198	0.000143279	3.14153E-05	0.000114241	6.87432E-05	0.000136458	0.000141849	2.23581E-05	0.000114241	6.86496E-05
1149	0.00013483	0.000140831	3.04435E-05	0.000109741	5.32451E-05	0.000133305	0.000138573	2.18002E-05	0.000109741	5.41416E-05
1150	0.000128019	0.000133745	2.84092E-05	0.000103544	3.92198E-05	0.00012645	0.00013148	1.99754E-05	0.000103544	4.18144E-05
1151	0.000115733	0.000120909	2.56855E-05	9.61997E-05	3.83478E-05	0.000115213	0.000119839	1.72993E-05	9.61997E-05	4.0845E-05
1152	0.000104555	0.000109235	2.31433E-05	9.07961E-05	3.78623E-05	0.000105458	0.000109755	1.44935E-05	9.07961E-05	4.03054E-05
1153	8.81385E-05	9.20811E-05	1.95532E-05	8.04828E-05	3.79483E-05	9.02516E-05	9.39921E-05	1.10797E-05	8.04828E-05	4.04048E-05
1154	8.50957E-05	8.89058E-05	1.88141E-05	7.96967E-05	3.8054E-05	8.78519E-05	9.15248E-05	1.01083E-05	7.96967E-05	4.0523E-05
1155	8.37441E-05	8.7492E-05	1.85468E-05	7.95848E-05	3.85761E-05	8.68492E-05	9.0496E-05	9.65887E-06	7.95848E-05	4.11054E-05
1156	8.57447E-05	8.95792E-05	1.90399E-05	8.21659E-05	3.96037E-05	8.91484E-05	9.28983E-05	9.77571E-06	8.21659E-05	4.22505E-05
1157	9.17209E-05	9.58143E-05	2.05129E-05	8.80874E-05	4.1728E-05	9.53895E-05	9.93962E-05	1.05814E-05	8.80874E-05	4.46158E-05
1158	9.98377E-05	0.000104294	2.2321E-05	9.44421E-05	4.23675E-05	0.000103337	0.000107654	1.1972E-05	9.44421E-05	4.47815E-05
1159	0.000103775	0.000108377	2.37128E-05	9.8117E-05	0.000132772	0.000107283	0.00011172	1.3372E-05	9.8117E-05	0.000128968
1160	0.000100063	0.00010448	2.32346E-05	9.46078E-05	0.000132529	0.000103376	0.000107615	1.36509E-05	9.46078E-05	0.000128147
1161	9.82558E-05	0.000102595	2.27721E-05	9.16723E-05	0.000133152	0.000101092	0.000105222	1.36874E-05	9.16723E-05	0.000128835
1162	9.72449E-05	0.000101546	2.24165E-05	8.8917E-05	0.00013357	9.94566E-05	0.000103497	1.39244E-05	8.8917E-05	0.000129298
1163	9.72658E-05	0.000101573	2.23373E-05	8.76701E-05	0.000133836	9.90616E-05	0.000103071	1.41918E-05	8.76701E-05	0.000129594
1164	9.42663E-05	9.84445E-05	2.15836E-05	8.47028E-05	0.000119246	9.59356E-05	9.98172E-05	1.37762E-05	8.47028E-05	0.000116094
1165	9.20132E-05	9.6091E-05	2.10759E-05	8.24998E-05	0.000119095	9.35773E-05	9.73606E-05	1.34982E-05	8.24998E-05	0.000115927
1166	8.96668E-05	9.36347E-05	2.06406E-05	8.1528E-05	0.000118278	9.15544E-05	9.52687E-05	1.29364E-05	8.1528E-05	0.000115018
1167	9.03756E-05	9.43768E-05	2.07703E-05	8.23506E-05	0.000131595	9.23516E-05	9.61019E-05	1.29699E-05	8.23506E-05	0.000127103
1168	9.56798E-05	9.99188E-05	2.19395E-05	8.70329E-05	0.000129782	9.77352E-05	0.000101704	1.37348E-05	8.70329E-05	0.000125084
1169	0.000105681	0.000110369	2.4118E-05	9.60157E-05	0.00012829	0.000107948	0.000112334	1.51195E-05	9.60157E-05	0.000123424
1170	0.000121089	0.000126468	2.75116E-05	0.000107092	0.000127389	0.000122703	0.00012765	1.7984E-05	0.000107092	0.000122422
1171	0.000134737	0.000140715	3.07584E-05	0.000114787	9.72501E-05	0.000134951	0.000140324	2.12296E-05	0.000114787	9.43552E-05
1172	0.000137198	0.000143279	3.14153E-05	0.000114241	6.87432E-05	0.000136458	0.000141849	2.23581E-05	0.000114241	6.86496E-05
1173	0.00013483	0.000140831	3.04435E-05	0.000109741	5.32451E-05	0.000133305	0.000138573	2.18002E-05	0.000109741	5.41416E-05
1174	0.000128019	0.000133745	2.84092E-05	0.000103544	3.92198E-05	0.00012645	0.00013148	1.99754E-05	0.000103544	4.18144E-05
1175	0.000115733	0.000120909	2.56855E-05	9.61997E-05	3.83478E-05	0.000115213	0.000119839	1.72993E-05	9.61997E-05	4.0845E-05
1176	0.000104555	0.000109235	2.31433E-05	9.07961E-05	3.78623E-05	0.000105458	0.000109755	1.44935E-05	9.07961E-05	4.03054E-05
1177	8.81385E-05	9.20811E-05	1.95532E-05	8.04828E-05	3.79483E-05	9.02516E-05	9.39921E-05	1.10797E-05	8.04828E-05	4.04048E-05
1178	8.50957E-05	8.89058E-05	1.88141E-05	7.96967E-05	3.8054E-05	8.78519E-05	9.15248E-05	1.01083E-05	7.96967E-05	4.0523E-05
1179	8.37441E-05	8.7492E-05	1.85468E-05	7.95848E-05	3.85761E-05	8.68492E-05	9.0496E-05	9.65887E-06	7.95848E-05	4.11054E-05
1180	8.57447E-05	8.95792E-05	1.90399E-05	8.21659E-05	3.96037E-05	8.91484E-05	9.28983E-05	9.77571E-06	8.21659E-05	4.22505E-05
1181	9.17209E-05	9.58143E-05	2.05129E-05	8.80874E-05	4.1728E-05	9.53895E-05	9.93962E-05	1.05814E-05	8.80874E-05	4.46158E-05
1182	9.98377E-05	0.000104294	2.2321E-05	9.44421E-05	4.23675E-05	0.000103337	0.000107654	1.1972E-05	9.44421E-05	4.47815E-05
1183	0.000103775	0.000108377	2.37128E-05	9.8117E-05	0.000132772	0.000107283	0.00011172	1.3372E-05	9.8117E-05	0.000128968
1184	0.000100063	0.00010448	2.32346E-05	9.46078E-05	0.000132529	0.000103376	0.000107615	1.36509E-05	9.46078E-05	0.000128147
1185	9.82558E-05	0.000102595	2.27721E-05	9.16723E-05	0.000133152	0.000101092	0.000105222	1.36874E-05	9.16723E-05	0.000128835
1186	9.72449E-05	0.000101546	2.24165E-05	8.8917E-05	0.00013357	9.94566E-05	0.000103497	1.39244E-05	8.8917E-05	0.000129298
1187	9.72658E-05	0.000101573	2.23373E-05	8.76701E-05	0.000133836	9.90616E-05	0.000103071	1.41918E-05	8.76701E-05	0.000129594
1188	9.42663E-05	9.84445E-05	2.15836E-05	8.47028E-05	0.000119246	9.59356E-05	9.98172E-05	1.37762E-05	8.47028E-05	0.000116094
1189	9.20132E-05	9.6091E-05	2.10759E-05	8.24998E-05	0.000119095	9.35773E-05	9.73606E-05	1.34982E-05	8.24998E-05	0.000115927
1190	8.96668E-05	9.36347E-05	2.06406E-05	8.1528E-05	0.000118278	9.15544E-05	9.52687E-05	1.29364E-05	8.1528E-05	0.000115018
1191	9.03756E-05	9.43768E-05	2.07703E-05	8.23506E-05	0.000131595	9.23516E-05	9.61019E-05	1.29699E-05	8.23506E-05	0.000127103
1192	9.56798E-05	9.99188E-05	2.19395E-05	8.70329E-05	0.000129782	9.77352E-05	0.000101704	1.37348E-05	8.70329E-05	0.000125084
1193	0.000105681	0.000110369	2.4118E-05	9.60157E-05	0.00012829	0.000107948	0.000112334	1.51195E-05	9.60157E-05	0.000123424
1194	0.000121089	0.000126468	2.75116E-05	0.000107092	0.000127389	0.000122703	0.00012765	1.7984E-05	0.000107092	0.000122422
1195	0.000134737	0.000140715	3.07584E-05	0.000114787	9.72501E-05	0.000134951	0.000140324	2.12296E-05	0.000114787	9.43552E-05
1196	0.000137198	0.000143279	3.14153E-05	0.000114241	6.87432E-05	0.000136458	0.000141849	2.23581E-05	0.000114241	6.86496E-05
1197	0.00013483	0.000140831	3.04435E-05	0.000109741	5.32451E-05	0.000133305	0.000138573	2.18002E-05	0.000109741	5.41416E-05
1198	0.000128019	0.000133745	2.84092E-05	0.000103544	3.92198E-05	0.00012645	0.00013148	1.99754E-05	0.000103544	4.18144E-05
1199	0.000115733	0.000120909	2.56855E-05	9.61997E-05	3.83478E-05	0.000115213	0.000119839	1.72993E-05	9.61997E-05	4.0845E-05
1200	0.000104555	0.000109235	2.31433E-05	9.07961E-05	3.78623E-05	0.000105458	0.000109755	1.44935E-05	9.07961E-05	4.03054E-05
1201	8.89611E-05	9.29397E-05	1.97494E-05	8.13881E-05	3.77821E-05	9.11445E-05	9.49232E-05	1.1163E-05	8.13881E-05	4.02196E-05
1202	8.55842E-05	8.94147E-05	1.89486E-05	8.03439E-05	3.80923E-05	8.84146E-05	9.21126E-05	1.01424E-05	8.03439E-05	4.05655E-05
1203	8.42345E-05	8.80029E-05	1.86786E-05	8.02151E-05	3.86589E-05	8.74083E-05	9.10798E-05	9.69576E-06	8.02151E-05	4.11975E-05
1204	8.62717E-05	9.01292E-05	1.9168E-05	8.27606E-05	3.97041E-05	8.97248E-05	9.34995E-05	9.82705E-06	8.27606E-05	4.23623E-05
1205	9.24351E-05	9.65592E-05	2.0693E-05	8.89329E-05	4.1903E-05	9.61823E-05	0.000100223	1.06454E-05	8.89329E-05	4.48106E-05
1206	0.000100711	0.000105205	2.2535E-05	9.54376E-05	4.26081E-05	0.000104296	0.000108654	1.20557E-05	9.54376E-05	4.50494E-05
1207	0.000106239	0.000110966	2.40056E-05	9.93566E-05	0.000133041	0.000109509	0.000114045	1.35018E-05	9.93566E-05	0.000129267

1208	0.000100478	0.000104911	2.33591E-05	9.52206E-05	0.000132909	0.000103872	0.000108134	1.36709E-05	9.52206E-05	0.00012857
1209	9.86244E-05	0.000102978	2.28866E-05	9.22406E-05	0.000133612	0.000101541	0.000105691	1.37019E-05	9.22406E-05	0.000129347
1210	9.75601E-05	0.000101875	2.24944E-05	8.92799E-05	0.000134075	9.98034E-05	0.000103859	1.39541E-05	8.92799E-05	0.00012986
1211	9.76272E-05	0.00010195	2.24267E-05	8.80869E-05	0.000134318	9.94596E-05	0.000103486	1.42258E-05	8.80869E-05	0.000130129
1212	9.45866E-05	9.87785E-05	2.16647E-05	8.50839E-05	0.00011974	9.62917E-05	0.000100189	1.38047E-05	8.50839E-05	0.000116643
1213	9.2341E-05	9.64326E-05	2.11639E-05	8.29206E-05	0.000119576	9.39509E-05	9.77507E-05	1.35229E-05	8.29206E-05	0.000116461
1214	8.98299E-05	9.38028E-05	2.07162E-05	8.1932E-05	0.000118705	9.17981E-05	9.55246E-05	1.29212E-05	8.1932E-05	0.000115492
1215	9.06315E-05	9.46423E-05	2.08599E-05	8.28067E-05	0.000131931	9.26811E-05	9.6447E-05	1.29712E-05	8.28067E-05	0.000127476
1216	9.60761E-05	0.000100331	2.20576E-05	8.7613E-05	0.00013002	9.82081E-05	0.000102198	1.37546E-05	8.7613E-05	0.000125349
1217	0.000106149	0.000110858	2.42426E-05	9.66096E-05	0.000128491	0.00010848	0.000112889	1.5156E-05	9.66096E-05	0.000123647
1218	0.000121812	0.000127222	2.76966E-05	0.000107965	0.000127565	0.00012351	0.000128493	1.80463E-05	0.000107965	0.000122617
1219	0.000135493	0.000141502	3.09576E-05	0.000115734	9.73697E-05	0.000135805	0.000141216	2.12898E-05	0.000115734	9.44882E-05
1220	0.000137936	0.000144048	3.16026E-05	0.000115122	6.88149E-05	0.000137279	0.000142705	2.24231E-05	0.000115122	6.87291E-05
1221	0.000134	0.000139946	3.05569E-05	0.000110399	5.33164E-05	0.000132882	0.000138129	2.18219E-05	0.000110399	5.42207E-05
1222	0.000128701	0.000134456	2.85769E-05	0.000104326	3.93092E-05	0.000127199	0.000132262	2.00401E-05	0.000104326	4.19137E-05
1223	0.000116406	0.000121612	2.58507E-05	9.69689E-05	3.8368E-05	0.000115952	0.000120609	1.73635E-05	9.69689E-05	4.08671E-05
1224	0.000105115	0.000109818	2.3289E-05	9.14862E-05	3.77786E-05	0.000106088	0.000110413	1.45399E-05	9.14862E-05	4.02117E-05
1225	8.89611E-05	9.29397E-05	1.97494E-05	8.13881E-05	3.77821E-05	9.11445E-05	9.49232E-05	1.1163E-05	8.13881E-05	4.02196E-05
1226	8.55842E-05	8.94147E-05	1.89486E-05	8.03439E-05	3.80923E-05	8.84146E-05	9.21126E-05	1.01424E-05	8.03439E-05	4.05655E-05
1227	8.42345E-05	8.80029E-05	1.86786E-05	8.02151E-05	3.86589E-05	8.74083E-05	9.10798E-05	9.69576E-06	8.02151E-05	4.11975E-05
1228	8.62717E-05	9.01292E-05	1.9168E-05	8.27606E-05	3.97041E-05	8.97248E-05	9.34995E-05	9.82705E-06	8.27606E-05	4.23623E-05
1229	9.24351E-05	9.65592E-05	2.0693E-05	8.89329E-05	4.1903E-05	9.61823E-05	0.000100223	1.06454E-05	8.89329E-05	4.48106E-05
1230	0.000100711	0.000105205	2.2535E-05	9.54376E-05	4.26081E-05	0.000104296	0.000108654	1.20557E-05	9.54376E-05	4.50494E-05
1231	0.000106239	0.000110966	2.40056E-05	9.93566E-05	0.000133041	0.000109509	0.000114045	1.35018E-05	9.93566E-05	0.000129267
1232	0.000100478	0.000104911	2.33591E-05	9.52206E-05	0.000132909	0.000103872	0.000108134	1.36709E-05	9.52206E-05	0.00012857
1233	9.86244E-05	0.000102978	2.28866E-05	9.22406E-05	0.000133612	0.000101541	0.000105691	1.37019E-05	9.22406E-05	0.000129347
1234	9.75601E-05	0.000101875	2.24944E-05	8.92799E-05	0.000134075	9.98034E-05	0.000103859	1.39541E-05	8.92799E-05	0.00012986
1235	9.76272E-05	0.00010195	2.24267E-05	8.80869E-05	0.000134318	9.94596E-05	0.000103486	1.42258E-05	8.80869E-05	0.000130129
1236	9.45866E-05	9.87785E-05	2.16647E-05	8.50839E-05	0.00011974	9.62917E-05	0.000100189	1.38047E-05	8.50839E-05	0.000116643
1237	9.2341E-05	9.64326E-05	2.11639E-05	8.29206E-05	0.000119576	9.39509E-05	9.77507E-05	1.35229E-05	8.29206E-05	0.000116461
1238	8.98299E-05	9.38028E-05	2.07162E-05	8.1932E-05	0.000118705	9.17981E-05	9.55246E-05	1.29212E-05	8.1932E-05	0.000115492
1239	9.06315E-05	9.46423E-05	2.08599E-05	8.28067E-05	0.000131931	9.26811E-05	9.6447E-05	1.29712E-05	8.28067E-05	0.000127476
1240	9.60761E-05	0.000100331	2.20576E-05	8.7613E-05	0.00013002	9.82081E-05	0.000102198	1.37546E-05	8.7613E-05	0.000125349
1241	0.000106149	0.000110858	2.42426E-05	9.66096E-05	0.000128491	0.00010848	0.000112889	1.5156E-05	9.66096E-05	0.000123647
1242	0.000121812	0.000127222	2.76966E-05	0.000107965	0.000127565	0.00012351	0.000128493	1.80463E-05	0.000107965	0.000122617
1243	0.000135493	0.000141502	3.09576E-05	0.000115734	9.73697E-05	0.000135805	0.000141216	2.12898E-05	0.000115734	9.44882E-05
1244	0.000137936	0.000144048	3.16026E-05	0.000115122	6.88149E-05	0.000137279	0.000142705	2.24231E-05	0.000115122	6.87291E-05
1245	0.000134	0.000139946	3.05569E-05	0.000110399	5.33164E-05	0.000132882	0.000138129	2.18219E-05	0.000110399	5.42207E-05
1246	0.000128701	0.000134456	2.85769E-05	0.000104326	3.93092E-05	0.000127199	0.000132262	2.00401E-05	0.000104326	4.19137E-05
1247	0.000116406	0.000121612	2.58507E-05	9.69689E-05	3.8368E-05	0.000115952	0.000120609	1.73635E-05	9.69689E-05	4.08671E-05
1248	0.000105115	0.000109818	2.3289E-05	9.14862E-05	3.77786E-05	0.000106088	0.000110413	1.45399E-05	9.14862E-05	4.02117E-05
1249	8.81385E-05	9.20811E-05	1.95532E-05	8.04828E-05	3.79483E-05	9.02516E-05	9.39921E-05	1.10797E-05	8.04828E-05	4.04048E-05
1250	8.50957E-05	8.89058E-05	1.88141E-05	7.96967E-05	3.8054E-05	8.78519E-05	9.15248E-05	1.01083E-05	7.96967E-05	4.0523E-05
1251	8.37441E-05	8.7492E-05	1.85468E-05	7.95848E-05	3.85761E-05	8.68492E-05	9.0496E-05	9.65887E-06	7.95848E-05	4.11054E-05
1252	8.57447E-05	8.95792E-05	1.90399E-05	8.21659E-05	3.96037E-05	8.91484E-05	9.28983E-05	9.77571E-06	8.21659E-05	4.22505E-05
1253	9.17209E-05	9.58143E-05	2.05129E-05	8.80874E-05	4.1728E-05	9.53895E-05	9.93962E-05	1.05814E-05	8.80874E-05	4.46158E-05
1254	9.98377E-05	0.000104294	2.2321E-05	9.44421E-05	4.23675E-05	0.000103337	0.000107654	1.1972E-05	9.44421E-05	4.47815E-05
1255	0.000103775	0.000108377	2.37128E-05	9.8117E-05	0.000132772	0.000107283	0.00011172	1.3372E-05	9.8117E-05	0.000128968
1256	0.000100063	0.00010448	2.32346E-05	9.46078E-05	0.000132529	0.000103376	0.000107615	1.36509E-05	9.46078E-05	0.000128147
1257	9.82558E-05	0.000102595	2.27721E-05	9.16723E-05	0.000133152	0.000101092	0.000105222	1.36874E-05	9.16723E-05	0.000128835
1258	9.72449E-05	0.000101546	2.24165E-05	8.8917E-05	0.00013357	9.94566E-05	0.000103497	1.39244E-05	8.8917E-05	0.000129298
1259	9.72658E-05	0.000101573	2.23373E-05	8.76701E-05	0.000133836	9.90616E-05	0.000103071	1.41918E-05	8.76701E-05	0.000129594
1260	9.42663E-05	9.84445E-05	2.15836E-05	8.47028E-05	0.000119246	9.59356E-05	9.98172E-05	1.37762E-05	8.47028E-05	0.000116094
1261	9.20132E-05	9.6091E-05	2.10759E-05	8.24998E-05	0.000119095	9.35773E-05	9.73606E-05	1.34982E-05	8.24998E-05	0.000115927
1262	8.96668E-05	9.36347E-05	2.06406E-05	8.1528E-05	0.000118278	9.15544E-05	9.52687E-05	1.29364E-05	8.1528E-05	0.000115018
1263	9.03756E-05	9.43768E-05	2.07703E-05	8.23506E-05	0.000131595	9.23516E-05	9.61019E-05	1.29699E-05	8.23506E-05	0.000127103
1264	9.56798E-05	9.99188E-05	2.19395E-05	8.70329E-05	0.000129782	9.77352E-05	0.000101704	1.37348E-05	8.70329E-05	0.000125084
1265	0.000105681	0.000110369	2.4118E-05	9.60157E-05	0.00012829	0.000107948	0.000112334	1.51195E-05	9.60157E-05	0.000123424
1266	0.000121089	0.000126468	2.75116E-05	0.000107092	0.000127389	0.000122703	0.00012765	1.7984E-05	0.000107092	0.000122422
1267	0.000134737	0.000140715	3.07584E-05	0.000114787	9.72501E-05	0.000134951	0.000140324	2.12296E-05	0.000114787	9.43552E-05
1268	0.000137198	0.000143279	3.14153E-05	0.000114241	6.87432E-05	0.000136458	0.000141849	2.23581E-05	0.000114241	6.86496E-05
1269	0.00013483	0.000140831	3.04435E-05	0.000109741	5.32451E-05	0.000133305	0.000138573	2.18002E-05	0.000109741	5.41416E-05
1270	0.000128019	0.000133745	2.84092E-05	0.000103544	3.92198E-05	0.00012645	0.00013148	1.99754E-05	0.000103544	4.18144E-05
1271	0.000115733	0.000120909	2.56855E-05	9.61997E-05	3.83478E-05	0.000115213	0.000119839	1.72993E-05	9.61997E-05	4.0845E-05
1272	0.000104555	0.000109235	2.31433E-05	9.07961E-05	3.78623E-05	0.000105458	0.000109755	1.44935E-05	9.07961E-05	4.03054E-05
1273	8.81385E-05	9.20811E-05	1.95532E-05	8.04828E-05	3.79483E-05	9.02516E-05	9.39921E-05	1.10797E-05	8.04828E-05	4.04048E-05
1274	8.50957E-05	8.89058E-05	1.88141E-05	7.96967E-05	3.8054E-05	8.78519E-05	9.15248E-05	1.01083E-05	7.96967E-05	4.0523E-05
1275	8.37441E-05	8.7492E-05	1.85468E-05	7.95848E-05	3.85761E-05	8.68492E-05	9.0496E-05	9.65887E-06	7.95848E-05	4.11054E-05
1276	8.57447E-05	8.95792E-05	1.90399E-05	8.21659E-05	3.96037E-05	8.91484E-05	9.28983E-05	9.77571E-06	8.21659E-05	4.22505E-05
1277	9.17209E-05	9.58143E-05	2.05129E-05	8.80874E-05	4.1728E-05	9.53895E-05	9.93962E-05	1.05814E-05	8.80874E-05	4.46158E-05
1278	9.98377E-05	0.000104294	2.2321E-05	9.44421E-05	4.23675E-05	0.000103337	0.000107654	1.1972E-05	9.44421E-05	4.47815E-05
1279	0.000103775	0.000108377	2.37128E-05	9.8117E-05	0.000132772	0.000107283	0.00011172	1.3372E-05	9.8117E-05	0.000128968
1280	0.000100063	0.00010448	2.32346E-05	9.46078E-05	0.000132529	0.000103376	0.000107615	1.36509E-05	9.46078E-05	0.000128147
1281	9.82558E-05	0.000102595	2.27721E-05	9.16723E-05	0.000133152	0.000101092	0.000105222	1.36874E-05	9.16723E-05	0.000128835
1282	9.72449E-05	0.000101546	2.24165E-05	8.8917E-05	0.00013357	9.94566E-05	0.000103497	1.39244E-05	8.8917E-05	0.000129298
1283	9.72658E-05	0.000101573	2.23373E-05	8.76701E-05	0.000133836	9.90616E-05	0.000103071	1.41918E-05	8.76701E-05	0.000129594

1284	9.42663E-05	9.84445E-05	2.15836E-05	8.47028E-05	0.000119246	9.59356E-05	9.98172E-05	1.37762E-05	8.47028E-05	0.000116094
1285	9.20132E-05	9.6091E-05	2.10759E-05	8.24998E-05	0.000119095	9.35773E-05	9.73606E-05	1.34982E-05	8.24998E-05	0.000115927
1286	8.96668E-05	9.36347E-05	2.06406E-05	8.1528E-05	0.000118278	9.15544E-05	9.52687E-05	1.29364E-05	8.1528E-05	0.000115018
1287	9.03756E-05	9.43768E-05	2.07703E-05	8.23506E-05	0.000131595	9.23516E-05	9.61019E-05	1.29699E-05	8.23506E-05	0.000127103
1288	9.56798E-05	9.99188E-05	2.19395E-05	8.70329E-05	0.000129782	9.77352E-05	0.000101704	1.37348E-05	8.70329E-05	0.000125084
1289	0.000105681	0.000110369	2.4118E-05	9.60157E-05	0.00012829	0.000107948	0.000112334	1.51195E-05	9.60157E-05	0.000123424
1290	0.000121089	0.000126468	2.75116E-05	0.000107092	0.000127389	0.000122703	0.00012765	1.7984E-05	0.000107092	0.000122422
1291	0.000134737	0.000140715	3.07584E-05	0.000114787	9.72501E-05	0.000134951	0.000140324	2.12296E-05	0.000114787	9.43552E-05
1292	0.000137198	0.000143279	3.14153E-05	0.000114241	6.87432E-05	0.000136458	0.000141849	2.23581E-05	0.000114241	6.86496E-05
1293	0.00013483	0.000140831	3.04435E-05	0.000109741	5.32451E-05	0.000133305	0.000138573	2.18002E-05	0.000109741	5.41416E-05
1294	0.000128019	0.000133745	2.84092E-05	0.000103544	3.92198E-05	0.00012645	0.00013148	1.99754E-05	0.000103544	4.18144E-05
1295	0.000115733	0.000120909	2.56855E-05	9.61997E-05	3.83478E-05	0.000115213	0.000119839	1.72993E-05	9.61997E-05	4.0845E-05
1296	0.000104555	0.000109235	2.31433E-05	9.07961E-05	3.78623E-05	0.000105458	0.000109755	1.44935E-05	9.07961E-05	4.03054E-05
1297	8.81385E-05	9.20811E-05	1.95532E-05	8.04828E-05	3.79483E-05	9.02516E-05	9.39921E-05	1.10797E-05	8.04828E-05	4.04048E-05
1298	8.50957E-05	8.89058E-05	1.88141E-05	7.96967E-05	3.8054E-05	8.78519E-05	9.15248E-05	1.01083E-05	7.96967E-05	4.0523E-05
1299	8.37441E-05	8.7492E-05	1.85468E-05	7.95848E-05	3.85761E-05	8.68492E-05	9.0496E-05	9.65887E-06	7.95848E-05	4.11054E-05
1300	8.57447E-05	8.95792E-05	1.90399E-05	8.21659E-05	3.96037E-05	8.91484E-05	9.28983E-05	9.77571E-06	8.21659E-05	4.22505E-05
1301	9.17209E-05	9.58143E-05	2.05129E-05	8.80874E-05	4.1728E-05	9.53895E-05	9.93962E-05	1.05814E-05	8.80874E-05	4.46158E-05
1302	9.98377E-05	0.000104294	2.2321E-05	9.44421E-05	4.23675E-05	0.000103337	0.000107654	1.1972E-05	9.44421E-05	4.47815E-05
1303	0.000103775	0.000108377	2.37128E-05	9.8117E-05	0.000132772	0.000107283	0.00011172	1.3372E-05	9.8117E-05	0.000128968
1304	0.000100063	0.00010448	2.32346E-05	9.46078E-05	0.000132529	0.000103376	0.000107615	1.36509E-05	9.46078E-05	0.000128147
1305	9.82558E-05	0.000102595	2.27721E-05	9.16723E-05	0.000133152	0.000101092	0.000105222	1.36874E-05	9.16723E-05	0.000128835
1306	9.72449E-05	0.000101546	2.24165E-05	8.8917E-05	0.00013357	9.94566E-05	0.000103497	1.39244E-05	8.8917E-05	0.000129298
1307	9.72658E-05	0.000101573	2.23373E-05	8.76701E-05	0.000133836	9.90616E-05	0.000103071	1.41918E-05	8.76701E-05	0.000129594
1308	9.42663E-05	9.84445E-05	2.15836E-05	8.47028E-05	0.000119246	9.59356E-05	9.98172E-05	1.37762E-05	8.47028E-05	0.000116094
1309	9.20132E-05	9.6091E-05	2.10759E-05	8.24998E-05	0.000119095	9.35773E-05	9.73606E-05	1.34982E-05	8.24998E-05	0.000115927
1310	8.96668E-05	9.36347E-05	2.06406E-05	8.1528E-05	0.000118278	9.15544E-05	9.52687E-05	1.29364E-05	8.1528E-05	0.000115018
1311	9.03756E-05	9.43768E-05	2.07703E-05	8.23506E-05	0.000131595	9.23516E-05	9.61019E-05	1.29699E-05	8.23506E-05	0.000127103
1312	9.56798E-05	9.99188E-05	2.19395E-05	8.70329E-05	0.000129782	9.77352E-05	0.000101704	1.37348E-05	8.70329E-05	0.000125084
1313	0.000105681	0.000110369	2.4118E-05	9.60157E-05	0.00012829	0.000107948	0.000112334	1.51195E-05	9.60157E-05	0.000123424
1314	0.000121089	0.000126468	2.75116E-05	0.000107092	0.000127389	0.000122703	0.00012765	1.7984E-05	0.000107092	0.000122422
1315	0.000134737	0.000140715	3.07584E-05	0.000114787	9.72501E-05	0.000134951	0.000140324	2.12296E-05	0.000114787	9.43552E-05
1316	0.000137198	0.000143279	3.14153E-05	0.000114241	6.87432E-05	0.000136458	0.000141849	2.23581E-05	0.000114241	6.86496E-05
1317	0.00013483	0.000140831	3.04435E-05	0.000109741	5.32451E-05	0.000133305	0.000138573	2.18002E-05	0.000109741	5.41416E-05
1318	0.000128019	0.000133745	2.84092E-05	0.000103544	3.92198E-05	0.00012645	0.00013148	1.99754E-05	0.000103544	4.18144E-05
1319	0.000115733	0.000120909	2.56855E-05	9.61997E-05	3.83478E-05	0.000115213	0.000119839	1.72993E-05	9.61997E-05	4.0845E-05
1320	0.000104555	0.000109235	2.31433E-05	9.07961E-05	3.78623E-05	0.000105458	0.000109755	1.44935E-05	9.07961E-05	4.03054E-05
1321	8.81385E-05	9.20811E-05	1.95532E-05	8.04828E-05	3.79483E-05	9.02516E-05	9.39921E-05	1.10797E-05	8.04828E-05	4.04048E-05
1322	8.50957E-05	8.89058E-05	1.88141E-05	7.96967E-05	3.8054E-05	8.78519E-05	9.15248E-05	1.01083E-05	7.96967E-05	4.0523E-05
1323	8.37441E-05	8.7492E-05	1.85468E-05	7.95848E-05	3.85761E-05	8.68492E-05	9.0496E-05	9.65887E-06	7.95848E-05	4.11054E-05
1324	8.57447E-05	8.95792E-05	1.90399E-05	8.21659E-05	3.96037E-05	8.91484E-05	9.28983E-05	9.77571E-06	8.21659E-05	4.22505E-05
1325	9.17209E-05	9.58143E-05	2.05129E-05	8.80874E-05	4.1728E-05	9.53895E-05	9.93962E-05	1.05814E-05	8.80874E-05	4.46158E-05
1326	9.98377E-05	0.000104294	2.2321E-05	9.44421E-05	4.23675E-05	0.000103337	0.000107654	1.1972E-05	9.44421E-05	4.47815E-05
1327	0.000103775	0.000108377	2.37128E-05	9.8117E-05	0.000132772	0.000107283	0.00011172	1.3372E-05	9.8117E-05	0.000128968
1328	0.000100063	0.00010448	2.32346E-05	9.46078E-05	0.000132529	0.000103376	0.000107615	1.36509E-05	9.46078E-05	0.000128147
1329	9.82558E-05	0.000102595	2.27721E-05	9.16723E-05	0.000133152	0.000101092	0.000105222	1.36874E-05	9.16723E-05	0.000128835
1330	9.72449E-05	0.000101546	2.24165E-05	8.8917E-05	0.00013357	9.94566E-05	0.000103497	1.39244E-05	8.8917E-05	0.000129298
1331	9.72658E-05	0.000101573	2.23373E-05	8.76701E-05	0.000133836	9.90616E-05	0.000103071	1.41918E-05	8.76701E-05	0.000129594
1332	9.42663E-05	9.84445E-05	2.15836E-05	8.47028E-05	0.000119246	9.59356E-05	9.98172E-05	1.37762E-05	8.47028E-05	0.000116094
1333	9.20132E-05	9.6091E-05	2.10759E-05	8.24998E-05	0.000119095	9.35773E-05	9.73606E-05	1.34982E-05	8.24998E-05	0.000115927
1334	8.96668E-05	9.36347E-05	2.06406E-05	8.1528E-05	0.000118278	9.15544E-05	9.52687E-05	1.29364E-05	8.1528E-05	0.000115018
1335	9.03756E-05	9.43768E-05	2.07703E-05	8.23506E-05	0.000131595	9.23516E-05	9.61019E-05	1.29699E-05	8.23506E-05	0.000127103
1336	9.56798E-05	9.99188E-05	2.19395E-05	8.70329E-05	0.000129782	9.77352E-05	0.000101704	1.37348E-05	8.70329E-05	0.000125084
1337	0.000105681	0.000110369	2.4118E-05	9.60157E-05	0.00012829	0.000107948	0.000112334	1.51195E-05	9.60157E-05	0.000123424
1338	0.000121089	0.000126468	2.75116E-05	0.000107092	0.000127389	0.000122703	0.00012765	1.7984E-05	0.000107092	0.000122422
1339	0.000134737	0.000140715	3.07584E-05	0.000114787	9.72501E-05	0.000134951	0.000140324	2.12296E-05	0.000114787	9.43552E-05
1340	0.000137198	0.000143279	3.14153E-05	0.000114241	6.87432E-05	0.000136458	0.000141849	2.23581E-05	0.000114241	6.86496E-05
1341	0.00013483	0.000140831	3.04435E-05	0.000109741	5.32451E-05	0.000133305	0.000138573	2.18002E-05	0.000109741	5.41416E-05
1342	0.000128019	0.000133745	2.84092E-05	0.000103544	3.92198E-05	0.00012645	0.00013148	1.99754E-05	0.000103544	4.18144E-05
1343	0.000115733	0.000120909	2.56855E-05	9.61997E-05	3.83478E-05	0.000115213	0.000119839	1.72993E-05	9.61997E-05	4.0845E-05
1344	0.000104555	0.000109235	2.31433E-05	9.07961E-05	3.78623E-05	0.000105458	0.000109755	1.44935E-05	9.07961E-05	4.03054E-05
1345	8.81385E-05	9.20811E-05	1.95532E-05	8.04828E-05	3.79483E-05	9.02516E-05	9.39921E-05	1.10797E-05	8.04828E-05	4.04048E-05
1346	8.50957E-05	8.89058E-05	1.88141E-05	7.96967E-05	3.8054E-05	8.78519E-05	9.15248E-05	1.01083E-05	7.96967E-05	4.0523E-05
1347	8.37441E-05	8.7492E-05	1.85468E-05	7.95848E-05	3.85761E-05	8.68492E-05	9.0496E-05	9.65887E-06	7.95848E-05	4.11054E-05
1348	8.57447E-05	8.95792E-05	1.90399E-05	8.21659E-05	3.96037E-05	8.91484E-05	9.28983E-05	9.77571E-06	8.21659E-05	4.22505E-05
1349	9.17209E-05	9.58143E-05	2.05129E-05	8.80874E-05	4.1728E-05	9.53895E-05	9.93962E-05	1.05814E-05	8.80874E-05	4.46158E-05
1350	9.98377E-05	0.000104294	2.2321E-05	9.44421E-05	4.23675E-05	0.000103337	0.000107654	1.1972E-05	9.44421E-05	4.47815E-05
1351	0.000103775	0.000108377	2.37128E-05	9.8117E-05	0.000132772	0.000107283	0.00011172	1.3372E-05	9.8117E-05	0.000128968
1352	0.000100063	0.00010448	2.32346E-05	9.46078E-05	0.000132529	0.000103376	0.000107615	1.36509E-05	9.46078E-05	0.000128147
1353	9.82558E-05	0.000102595	2.27721E-05	9.16723E-05	0.000133152	0.000101092	0.000105222	1.36874E-05	9.16723E-05	0.000128835
1354	9.72449E-05	0.000101546	2.24165E-05	8.8917E-05	0.00013357	9.94566E-05	0.000103497	1.39244E-05	8.8917E-05	0.000129298
1355	9.72658E-05	0.000101573	2.23373E-05	8.76701E-05	0.000133836	9.90616E-05	0.000103071	1.41918E-05	8.76701E-05	0.000129594
1356	9.42663E-05	9.84445E-05	2.15836E-05	8.47028E-05	0.000119246	9.59356E-05	9.98172E-05	1.37762E-05	8.47028E-05	0.000116094
1357	9.20132E-05	9.6091E-05	2.10759E-05	8.24998E-05	0.000119095	9.35773E-05	9.73606E-05	1.34982E-05	8.24998E-05	0.000115927
1358	8.96668E-05	9.36347E-05	2.06406E-05	8.1528E-05	0.000118278	9.15544E-05	9.52687E-05	1.29364E-05	8.1528E-05	0.000115018
1359	9.03756E-05	9.43768E-05	2.07703E-05	8.23506E-05	0.000131595	9.23516E-05	9.61019E-05	1.29699E-05	8.23506E-05	0.000127103

1360	9.56798E-05	9.99188E-05	2.19395E-05	8.70329E-05	0.000129782	9.77352E-05	0.000101704	1.37348E-05	8.70329E-05	0.000125084
1361	0.000105681	0.000110369	2.4118E-05	9.60157E-05	0.00012829	0.000107948	0.000112334	1.51195E-05	9.60157E-05	0.000123424
1362	0.000121089	0.000126468	2.75116E-05	0.000107092	0.000127389	0.000122703	0.00012765	1.7984E-05	0.000107092	0.000122422
1363	0.000134737	0.000140715	3.07584E-05	0.000114787	9.72501E-05	0.000134951	0.000140324	2.12296E-05	0.000114787	9.43552E-05
1364	0.000137198	0.000143279	3.14153E-05	0.000114241	6.87432E-05	0.000136458	0.000141849	2.23581E-05	0.000114241	6.86496E-05
1365	0.00013483	0.000140831	3.04435E-05	0.000109741	5.32451E-05	0.000133305	0.000138573	2.18002E-05	0.000109741	5.41416E-05
1366	0.000128019	0.000133745	2.84092E-05	0.000103544	3.92198E-05	0.00012645	0.00013148	1.99754E-05	0.000103544	4.18144E-05
1367	0.000115733	0.000120909	2.56855E-05	9.61997E-05	3.83478E-05	0.000115213	0.000119839	1.72993E-05	9.61997E-05	4.0845E-05
1368	0.000104555	0.000109235	2.31433E-05	9.07961E-05	3.78623E-05	0.000105458	0.000109755	1.44935E-05	9.07961E-05	4.03054E-05
1369	8.89611E-05	9.29397E-05	1.97494E-05	8.13881E-05	3.77821E-05	9.11445E-05	9.49232E-05	1.1163E-05	8.13881E-05	4.02196E-05
1370	8.55842E-05	8.94147E-05	1.89486E-05	8.03439E-05	3.80923E-05	8.84146E-05	9.21126E-05	1.01424E-05	8.03439E-05	4.05655E-05
1371	8.42345E-05	8.80029E-05	1.86786E-05	8.02151E-05	3.86589E-05	8.74083E-05	9.10798E-05	9.69576E-06	8.02151E-05	4.11975E-05
1372	8.62717E-05	9.01292E-05	1.9168E-05	8.27606E-05	3.97041E-05	8.97248E-05	9.34995E-05	9.82705E-06	8.27606E-05	4.23623E-05
1373	9.24351E-05	9.65592E-05	2.0693E-05	8.89329E-05	4.1903E-05	9.61823E-05	0.000100223	1.06454E-05	8.89329E-05	4.48106E-05
1374	0.000100711	0.000105205	2.2535E-05	9.54376E-05	4.26081E-05	0.000104296	0.000108654	1.20557E-05	9.54376E-05	4.50494E-05
1375	0.000106239	0.000110966	2.40056E-05	9.93566E-05	0.000133041	0.000109509	0.000114045	1.35018E-05	9.93566E-05	0.000129267
1376	0.000100478	0.000104911	2.33591E-05	9.52206E-05	0.000132909	0.000103872	0.000108134	1.36709E-05	9.52206E-05	0.00012857
1377	9.86244E-05	0.000102978	2.28866E-05	9.22406E-05	0.000133612	0.000101541	0.000105691	1.37019E-05	9.22406E-05	0.000129347
1378	9.75601E-05	0.000101875	2.24944E-05	8.92799E-05	0.000134075	9.98034E-05	0.000103859	1.39541E-05	8.92799E-05	0.00012986
1379	9.76272E-05	0.00010195	2.24267E-05	8.80869E-05	0.000134318	9.94596E-05	0.000103486	1.42258E-05	8.80869E-05	0.000130129
1380	9.45866E-05	9.87785E-05	2.16647E-05	8.50839E-05	0.00011974	9.62917E-05	0.000100189	1.38047E-05	8.50839E-05	0.000116643
1381	9.2341E-05	9.64326E-05	2.11639E-05	8.29206E-05	0.000119576	9.39509E-05	9.77507E-05	1.35229E-05	8.29206E-05	0.000116461
1382	8.98299E-05	9.38028E-05	2.07162E-05	8.1932E-05	0.000118705	9.17981E-05	9.55246E-05	1.29212E-05	8.1932E-05	0.000115492
1383	9.06315E-05	9.46423E-05	2.08599E-05	8.28067E-05	0.000131931	9.26811E-05	9.6447E-05	1.29712E-05	8.28067E-05	0.000127476
1384	9.60761E-05	0.000100331	2.20576E-05	8.7613E-05	0.00013002	9.82081E-05	0.000102198	1.37546E-05	8.7613E-05	0.000125349
1385	0.000106149	0.000110858	2.42426E-05	9.66096E-05	0.000128491	0.00010848	0.000112889	1.5156E-05	9.66096E-05	0.000123647
1386	0.000121812	0.000127222	2.76966E-05	0.000107965	0.000127565	0.00012351	0.000128493	1.80463E-05	0.000107965	0.000122617
1387	0.000135493	0.000141502	3.09576E-05	0.000115734	9.73697E-05	0.000135805	0.000141216	2.12898E-05	0.000115734	9.44882E-05
1388	0.000137936	0.000144048	3.16026E-05	0.000115122	6.88149E-05	0.000137279	0.000142705	2.24231E-05	0.000115122	6.87291E-05
1389	0.000134	0.000139946	3.05569E-05	0.000110399	5.33164E-05	0.000132882	0.000138129	2.18219E-05	0.000110399	5.42207E-05
1390	0.000128701	0.000134456	2.85769E-05	0.000104326	3.93092E-05	0.000127199	0.000132262	2.00401E-05	0.000104326	4.19137E-05
1391	0.000116406	0.000121612	2.58507E-05	9.69689E-05	3.8368E-05	0.000115952	0.000120609	1.73635E-05	9.69689E-05	4.08671E-05
1392	0.000105115	0.000109818	2.3289E-05	9.14862E-05	3.77786E-05	0.000106088	0.000110413	1.45399E-05	9.14862E-05	4.02117E-05
1393	8.89611E-05	9.29397E-05	1.97494E-05	8.13881E-05	3.77821E-05	9.11445E-05	9.49232E-05	1.1163E-05	8.13881E-05	4.02196E-05
1394	8.55842E-05	8.94147E-05	1.89486E-05	8.03439E-05	3.80923E-05	8.84146E-05	9.21126E-05	1.01424E-05	8.03439E-05	4.05655E-05
1395	8.42345E-05	8.80029E-05	1.86786E-05	8.02151E-05	3.86589E-05	8.74083E-05	9.10798E-05	9.69576E-06	8.02151E-05	4.11975E-05
1396	8.62717E-05	9.01292E-05	1.9168E-05	8.27606E-05	3.97041E-05	8.97248E-05	9.34995E-05	9.82705E-06	8.27606E-05	4.23623E-05
1397	9.24351E-05	9.65592E-05	2.0693E-05	8.89329E-05	4.1903E-05	9.61823E-05	0.000100223	1.06454E-05	8.89329E-05	4.48106E-05
1398	0.000100711	0.000105205	2.2535E-05	9.54376E-05	4.26081E-05	0.000104296	0.000108654	1.20557E-05	9.54376E-05	4.50494E-05
1399	0.000106239	0.000110966	2.40056E-05	9.93566E-05	0.000133041	0.000109509	0.000114045	1.35018E-05	9.93566E-05	0.000129267
1400	0.000100478	0.000104911	2.33591E-05	9.52206E-05	0.000132909	0.000103872	0.000108134	1.36709E-05	9.52206E-05	0.00012857
1401	9.86244E-05	0.000102978	2.28866E-05	9.22406E-05	0.000133612	0.000101541	0.000105691	1.37019E-05	9.22406E-05	0.000129347
1402	9.75601E-05	0.000101875	2.24944E-05	8.92799E-05	0.000134075	9.98034E-05	0.000103859	1.39541E-05	8.92799E-05	0.00012986
1403	9.76272E-05	0.00010195	2.24267E-05	8.80869E-05	0.000134318	9.94596E-05	0.000103486	1.42258E-05	8.80869E-05	0.000130129
1404	9.45866E-05	9.87785E-05	2.16647E-05	8.50839E-05	0.00011974	9.62917E-05	0.000100189	1.38047E-05	8.50839E-05	0.000116643
1405	9.2341E-05	9.64326E-05	2.11639E-05	8.29206E-05	0.000119576	9.39509E-05	9.77507E-05	1.35229E-05	8.29206E-05	0.000116461
1406	8.98299E-05	9.38028E-05	2.07162E-05	8.1932E-05	0.000118705	9.17981E-05	9.55246E-05	1.29212E-05	8.1932E-05	0.000115492
1407	9.06315E-05	9.46423E-05	2.08599E-05	8.28067E-05	0.000131931	9.26811E-05	9.6447E-05	1.29712E-05	8.28067E-05	0.000127476
1408	9.60761E-05	0.000100331	2.20576E-05	8.7613E-05	0.00013002	9.82081E-05	0.000102198	1.37546E-05	8.7613E-05	0.000125349
1409	0.000106149	0.000110858	2.42426E-05	9.66096E-05	0.000128491	0.00010848	0.000112889	1.5156E-05	9.66096E-05	0.000123647
1410	0.000121812	0.000127222	2.76966E-05	0.000107965	0.000127565	0.00012351	0.000128493	1.80463E-05	0.000107965	0.000122617
1411	0.000135493	0.000141502	3.09576E-05	0.000115734	9.73697E-05	0.000135805	0.000141216	2.12898E-05	0.000115734	9.44882E-05
1412	0.000137936	0.000144048	3.16026E-05	0.000115122	6.88149E-05	0.000137279	0.000142705	2.24231E-05	0.000115122	6.87291E-05
1413	0.000134	0.000139946	3.05569E-05	0.000110399	5.33164E-05	0.000132882	0.000138129	2.18219E-05	0.000110399	5.42207E-05
1414	0.000128701	0.000134456	2.85769E-05	0.000104326	3.93092E-05	0.000127199	0.000132262	2.00401E-05	0.000104326	4.19137E-05
1415	0.000116406	0.000121612	2.58507E-05	9.69689E-05	3.8368E-05	0.000115952	0.000120609	1.73635E-05	9.69689E-05	4.08671E-05
1416	0.000105115	0.000109818	2.3289E-05	9.14862E-05	3.77786E-05	0.000106088	0.000110413	1.45399E-05	9.14862E-05	4.02117E-05
1417	2.26994E-05	2.37231E-05	4.8926E-06	2.02419E-05	3.79483E-05	2.28689E-05	2.38197E-05	2.74336E-06	2.02419E-05	4.04048E-05
1418	2.19445E-05	2.29351E-05	4.7124E-06	2.00469E-05	3.8054E-05	2.22749E-05	2.32088E-05	2.50845E-06	2.00469E-05	4.0523E-05
1419	2.16012E-05	2.25758E-05	4.64755E-06	2.00184E-05	3.85761E-05	2.2021E-05	2.2948E-05	2.39926E-06	2.00184E-05	4.11054E-05
1420	2.21211E-05	2.31184E-05	4.77188E-06	2.06674E-05	3.96037E-05	2.26049E-05	2.35581E-05	2.4292E-06	2.06674E-05	4.22505E-05
1421	2.36528E-05	2.4717E-05	5.13973E-06	2.21546E-05	4.1728E-05	2.41802E-05	2.51984E-05	2.62753E-06	2.21546E-05	4.46158E-05
1422	2.5747E-05	2.69057E-05	5.58957E-06	2.37539E-05	4.23675E-05	2.61997E-05	2.72972E-05	2.96939E-06	2.37539E-05	4.47815E-05
1423	2.6775E-05	2.79733E-05	5.93082E-06	2.46768E-05	0.000132772	2.72105E-05	2.83397E-05	3.30876E-06	2.46768E-05	0.000128968
1424	2.5845E-05	2.6997E-05	5.80572E-06	2.37954E-05	0.000132529	2.62394E-05	2.73197E-05	3.37269E-06	2.37954E-05	0.000128147
1425	2.5371E-05	2.65025E-05	5.68807E-06	2.30572E-05	0.000133152	2.56584E-05	2.6711E-05	3.37968E-06	2.30572E-05	0.000128835
1426	2.51098E-05	2.62315E-05	5.59669E-06	2.23661E-05	0.00013357	2.52482E-05	2.62787E-05	3.43615E-06	2.23661E-05	0.000129298
1427	2.5115E-05	2.62382E-05	5.57509E-06	2.20537E-05	0.000133836	2.51513E-05	2.61742E-05	3.50073E-06	2.20537E-05	0.000129594
1428	2.43489E-05	2.54389E-05	5.38701E-06	2.13089E-05	0.000119246	2.4364E-05	2.53545E-05	3.39865E-06	2.13089E-05	0.000116094
1429	2.37633E-05	2.48269E-05	5.25986E-06	2.07543E-05	0.000119095	2.37632E-05	2.47286E-05	3.32955E-06	2.07543E-05	0.000115927
1430	2.31527E-05	2.41874E-05	5.15261E-06	2.05079E-05	0.000118278	2.32432E-05	2.41905E-05	3.19179E-06	2.05079E-05	0.000115018
1431	2.33438E-05	2.43877E-05	5.18565E-06	2.07159E-05	0.000131595	2.34505E-05	2.44072E-05	3.20094E-06	2.07159E-05	0.000127103
1432	2.4721E-05	2.58272E-05	5.47768E-06	2.1895E-05	0.000129782	2.48228E-05	2.58354E-05	3.39016E-06	2.1895E-05	0.000125084
1433	2.7324E-05	2.85485E-05	6.02237E-06	2.41579E-05	0.00012829	2.743E-05	2.85496E-05	3.73346E-06	2.41579E-05	0.000123424
1434	3.12946E-05	3.26989E-05	6.86494E-06	2.6946E-05	0.000127389	3.11786E-05	3.24421E-05	4.43635E-06	2.6946E-05	0.000122422
1435	3.47431E-05	3.62997E-05	7.66511E-06	2.88749E-05	9.72501E-05	3.42502E-05	3.56215E-05	5.22559E-06	2.88749E-05	9.43552E-05

1436	3.53288E-05	3.691E-05	7.82272E-06	2.87326E-05	6.87432E-05	3.46069E-05	3.59822E-05	5.49679E-06	2.87326E-05	6.86496E-05
1437	3.46681E-05	3.62252E-05	7.58129E-06	2.75986E-05	5.32451E-05	3.37782E-05	3.51209E-05	5.35954E-06	2.75986E-05	5.41416E-05
1438	3.28956E-05	3.43796E-05	7.07967E-06	2.60411E-05	3.92198E-05	3.20272E-05	3.33081E-05	4.91526E-06	2.60411E-05	4.18144E-05
1439	2.97508E-05	3.10928E-05	6.40651E-06	2.41938E-05	3.83478E-05	2.91822E-05	3.03596E-05	4.26149E-06	2.41938E-05	4.0845E-05
1440	2.69163E-05	2.81312E-05	5.7812E-06	2.28376E-05	3.78623E-05	2.67275E-05	2.78211E-05	3.57879E-06	2.28376E-05	4.03054E-05
1441	7.57366E-05	7.91515E-05	1.63315E-05	6.5216E-05	3.75899E-05	7.63097E-05	7.944E-05	1.00514E-05	6.5216E-05	4.00003E-05
1442	7.30489E-05	7.63454E-05	1.57042E-05	6.49903E-05	3.77435E-05	7.4346E-05	7.74289E-05	9.09161E-06	6.49903E-05	4.01723E-05
1443	7.30065E-05	7.62999E-05	1.57156E-05	6.61151E-05	3.84433E-05	7.47037E-05	7.78171E-05	8.80339E-06	6.61151E-05	4.09529E-05
1444	7.65354E-05	7.99837E-05	1.65488E-05	7.02288E-05	4.00953E-05	7.86174E-05	8.19019E-05	9.09609E-06	7.02288E-05	4.27929E-05
1445	8.33969E-05	8.71468E-05	1.81636E-05	7.66989E-05	4.23223E-05	8.56928E-05	8.92665E-05	1.00516E-05	7.66989E-05	4.52703E-05
1446	9.05147E-05	9.458E-05	1.97951E-05	8.23283E-05	4.291E-05	9.26674E-05	9.65121E-05	1.12886E-05	8.23283E-05	4.53768E-05
1447	9.21516E-05	9.62605E-05	2.06727E-05	8.36782E-05	0.000133365	9.41781E-05	9.80404E-05	1.24278E-05	8.36782E-05	0.000129598
1448	8.78868E-05	9.17839E-05	2.00946E-05	7.97536E-05	0.000132723	8.9727E-05	9.33697E-05	1.26243E-05	7.97536E-05	0.000128333
1449	8.45156E-05	8.82683E-05	1.92341E-05	7.49437E-05	0.000133295	8.57008E-05	8.9158E-05	1.25242E-05	7.49437E-05	0.000128965
1450	8.32845E-05	8.69868E-05	1.88787E-05	7.22668E-05	0.000133601	8.39213E-05	8.72864E-05	1.26938E-05	7.22668E-05	0.000129302
1451	8.2699E-05	8.63802E-05	1.86602E-05	7.03845E-05	0.000134048	8.28776E-05	8.61839E-05	1.28954E-05	7.03845E-05	0.000129798
1452	8.0694E-05	8.42912E-05	1.8118E-05	6.83543E-05	0.00011951	8.07843E-05	8.40055E-05	1.26026E-05	6.83543E-05	0.000116359
1453	7.98835E-05	8.34456E-05	1.7916E-05	6.75043E-05	0.000119765	7.99221E-05	8.31072E-05	1.25038E-05	6.75043E-05	0.000116643
1454	7.76848E-05	8.11444E-05	1.75005E-05	6.66022E-05	0.000119307	7.8032E-05	8.11531E-05	1.19699E-05	6.66022E-05	0.000116134
1455	7.85182E-05	8.20105E-05	1.77672E-05	6.82177E-05	0.000132742	7.91592E-05	8.23357E-05	1.19235E-05	6.82177E-05	0.000128346
1456	8.26127E-05	8.62855E-05	1.87212E-05	7.20172E-05	0.000130661	8.3363E-05	8.67107E-05	1.25027E-05	7.20172E-05	0.000126032
1457	8.96223E-05	9.36121E-05	2.02162E-05	7.78909E-05	0.000128623	9.03838E-05	9.40134E-05	1.35588E-05	7.78909E-05	0.000123764
1458	0.000101093	0.000105594	2.27826E-05	8.53143E-05	0.000127403	0.000101066	0.000105088	1.5929E-05	8.53143E-05	0.000122407
1459	0.000113377	0.000118418	2.569E-05	9.1411E-05	9.71757E-05	0.000111804	0.000116186	1.90514E-05	9.1411E-05	9.42507E-05
1460	0.000117598	0.00012282	2.67576E-05	9.27397E-05	6.87441E-05	0.000115203	0.000119683	2.03677E-05	9.27397E-05	6.86371E-05
1461	0.000116562	0.000121762	2.61E-05	8.96843E-05	5.31573E-05	0.000113489	0.000117909	1.99469E-05	8.96843E-05	5.40342E-05
1462	0.000110233	0.000115181	2.41558E-05	8.38718E-05	3.89707E-05	0.000107114	0.000111316	1.81904E-05	8.38718E-05	4.15317E-05
1463	9.93096E-05	0.000103772	2.16812E-05	7.75699E-05	3.80758E-05	9.72206E-05	0.000101071	1.57158E-05	7.75699E-05	4.05371E-05
1464	8.88903E-05	9.28914E-05	1.92883E-05	7.28164E-05	3.76203E-05	8.82351E-05	9.1789E-05	1.3012E-05	7.28164E-05	4.00312E-05
1465	7.57366E-05	7.91515E-05	1.63315E-05	6.5216E-05	3.75899E-05	7.63097E-05	7.944E-05	1.00514E-05	6.5216E-05	4.00003E-05
1466	7.30489E-05	7.63454E-05	1.57042E-05	6.49903E-05	3.77435E-05	7.4346E-05	7.74289E-05	9.09161E-06	6.49903E-05	4.01723E-05
1467	7.30065E-05	7.62999E-05	1.57156E-05	6.61151E-05	3.84433E-05	7.47037E-05	7.78171E-05	8.80339E-06	6.61151E-05	4.09529E-05
1468	7.65354E-05	7.99837E-05	1.65488E-05	7.02288E-05	4.00953E-05	7.86174E-05	8.19019E-05	9.09609E-06	7.02288E-05	4.27929E-05
1469	8.33969E-05	8.71468E-05	1.81636E-05	7.66989E-05	4.23223E-05	8.56928E-05	8.92665E-05	1.00516E-05	7.66989E-05	4.52703E-05
1470	9.05147E-05	9.458E-05	1.97951E-05	8.23283E-05	4.291E-05	9.26674E-05	9.65121E-05	1.12886E-05	8.23283E-05	4.53768E-05
1471	9.21516E-05	9.62605E-05	2.06727E-05	8.36782E-05	0.000133365	9.41781E-05	9.80404E-05	1.24278E-05	8.36782E-05	0.000129598
1472	8.78868E-05	9.17839E-05	2.00946E-05	7.97536E-05	0.000132723	8.9727E-05	9.33697E-05	1.26243E-05	7.97536E-05	0.000128333
1473	8.45156E-05	8.82683E-05	1.92341E-05	7.49437E-05	0.000133295	8.57008E-05	8.9158E-05	1.25242E-05	7.49437E-05	0.000128965
1474	8.32845E-05	8.69868E-05	1.88787E-05	7.22668E-05	0.000133601	8.39213E-05	8.72864E-05	1.26938E-05	7.22668E-05	0.000129302
1475	8.2699E-05	8.63802E-05	1.86602E-05	7.03845E-05	0.000134048	8.28776E-05	8.61839E-05	1.28954E-05	7.03845E-05	0.000129798
1476	8.0694E-05	8.42912E-05	1.8118E-05	6.83543E-05	0.00011951	8.07843E-05	8.40055E-05	1.26026E-05	6.83543E-05	0.000116359
1477	7.98835E-05	8.34456E-05	1.7916E-05	6.75043E-05	0.000119765	7.99221E-05	8.31072E-05	1.25038E-05	6.75043E-05	0.000116643
1478	7.76848E-05	8.11444E-05	1.75005E-05	6.66022E-05	0.000119307	7.8032E-05	8.11531E-05	1.19699E-05	6.66022E-05	0.000116134
1479	7.85182E-05	8.20105E-05	1.77672E-05	6.82177E-05	0.000132742	7.91592E-05	8.23357E-05	1.19235E-05	6.82177E-05	0.000128346
1480	8.26127E-05	8.62855E-05	1.87212E-05	7.20172E-05	0.000130661	8.3363E-05	8.67107E-05	1.25027E-05	7.20172E-05	0.000126032
1481	8.96223E-05	9.36121E-05	2.02162E-05	7.78909E-05	0.000128623	9.03838E-05	9.40134E-05	1.35588E-05	7.78909E-05	0.000123764
1482	0.000101093	0.000105594	2.27826E-05	8.53143E-05	0.000127403	0.000101066	0.000105088	1.5929E-05	8.53143E-05	0.000122407
1483	0.000113377	0.000118418	2.569E-05	9.1411E-05	9.71757E-05	0.000111804	0.000116186	1.90514E-05	9.1411E-05	9.42507E-05
1484	0.000117598	0.00012282	2.67576E-05	9.27397E-05	6.87441E-05	0.000115203	0.000119683	2.03677E-05	9.27397E-05	6.86371E-05
1485	0.000116562	0.000121762	2.61E-05	8.96843E-05	5.31573E-05	0.000113489	0.000117909	1.99469E-05	8.96843E-05	5.40342E-05
1486	0.000110233	0.000115181	2.41558E-05	8.38718E-05	3.89707E-05	0.000107114	0.000111316	1.81904E-05	8.38718E-05	4.15317E-05
1487	9.93096E-05	0.000103772	2.16812E-05	7.75699E-05	3.80758E-05	9.72206E-05	0.000101071	1.57158E-05	7.75699E-05	4.05371E-05
1488	8.88903E-05	9.28914E-05	1.92883E-05	7.28164E-05	3.76203E-05	8.82351E-05	9.1789E-05	1.3012E-05	7.28164E-05	4.00312E-05
1489	7.57366E-05	7.91515E-05	1.63315E-05	6.5216E-05	3.75899E-05	7.63097E-05	7.944E-05	1.00514E-05	6.5216E-05	4.00003E-05
1490	7.30489E-05	7.63454E-05	1.57042E-05	6.49903E-05	3.77435E-05	7.4346E-05	7.74289E-05	9.09161E-06	6.49903E-05	4.01723E-05
1491	7.30065E-05	7.62999E-05	1.57156E-05	6.61151E-05	3.84433E-05	7.47037E-05	7.78171E-05	8.80339E-06	6.61151E-05	4.09529E-05
1492	7.65354E-05	7.99837E-05	1.65488E-05	7.02288E-05	4.00953E-05	7.86174E-05	8.19019E-05	9.09609E-06	7.02288E-05	4.27929E-05
1493	8.33969E-05	8.71468E-05	1.81636E-05	7.66989E-05	4.23223E-05	8.56928E-05	8.92665E-05	1.00516E-05	7.66989E-05	4.52703E-05
1494	9.05147E-05	9.458E-05	1.97951E-05	8.23283E-05	4.291E-05	9.26674E-05	9.65121E-05	1.12886E-05	8.23283E-05	4.53768E-05
1495	9.21516E-05	9.62605E-05	2.06727E-05	8.36782E-05	0.000133365	9.41781E-05	9.80404E-05	1.24278E-05	8.36782E-05	0.000129598
1496	8.78868E-05	9.17839E-05	2.00946E-05	7.97536E-05	0.000132723	8.9727E-05	9.33697E-05	1.26243E-05	7.97536E-05	0.000128333
1497	8.45156E-05	8.82683E-05	1.92341E-05	7.49437E-05	0.000133295	8.57008E-05	8.9158E-05	1.25242E-05	7.49437E-05	0.000128965
1498	8.32845E-05	8.69868E-05	1.88787E-05	7.22668E-05	0.000133601	8.39213E-05	8.72864E-05	1.26938E-05	7.22668E-05	0.000129302
1499	8.2699E-05	8.63802E-05	1.86602E-05	7.03845E-05	0.000134048	8.28776E-05	8.61839E-05	1.28954E-05	7.03845E-05	0.000129798
1500	8.0694E-05	8.42912E-05	1.8118E-05	6.83543E-05	0.00011951	8.07843E-05	8.40055E-05	1.26026E-05	6.83543E-05	0.000116359
1501	7.98835E-05	8.34456E-05	1.7916E-05	6.75043E-05	0.000119765	7.99221E-05	8.31072E-05	1.25038E-05	6.75043E-05	0.000116643
1502	7.76848E-05	8.11444E-05	1.75005E-05	6.66022E-05	0.000119307	7.8032E-05	8.11531E-05	1.19699E-05	6.66022E-05	0.000116134
1503	7.85182E-05	8.20105E-05	1.77672E-05	6.82177E-05	0.000132742	7.91592E-05	8.23357E-05	1.19235E-05	6.82177E-05	0.000128346
1504	8.26127E-05	8.62855E-05	1.87212E-05	7.20172E-05	0.000130661	8.3363E-05	8.67107E-05	1.25027E-05	7.20172E-05	0.000126032
1505	8.96223E-05	9.36121E-05	2.02162E-05	7.78909E-05	0.000128623	9.03838E-05	9.40134E-05	1.35588E-05	7.78909E-05	0.000123764
1506	0.000101093	0.000105594	2.27826E-05	8.53143E-05	0.000127403	0.000101066	0.000105088	1.5929E-05	8.53143E-05	0.000122407
1507	0.000113377	0.000118418	2.569E-05	9.1411E-05	9.71757E-05	0.000111804	0.000116186	1.90514E-05	9.1411E-05	9.42507E-05
1508	0.000117598	0.00012282	2.67576E-05	9.27397E-05	6.87441E-05	0.000115203	0.000119683	2.03677E-05	9.27397E-05	6.86371E-05
1509	0.000116562	0.000121762	2.61E-05	8.96843E-05	5.31573E-05	0.000113489	0.000117909	1.99469E-05	8.96843E-05	5.40342E-05
1510	0.000110233	0.000115181	2.41558E-05	8.38718E-05	3.89707E-05	0.000107114	0.000111316	1.81904E-05	8.38718E-05	4.15317E-05
1511	9.93096E-05	0.000103772	2.16812E-05	7.75699E-05	3.80758E-05	9.72206E-05	0.000101071	1.57158E-05	7.75699E-05	4.05371E-05

1512	8.88903E-05	9.28914E-05	1.92883E-05	7.28164E-05	3.76203E-05	8.82351E-05	9.1789E-05	1.3012E-05	7.28164E-05	4.00312E-05
1513	7.57366E-05	7.91515E-05	1.63315E-05	6.5216E-05	3.75899E-05	7.63097E-05	7.944E-05	1.00514E-05	6.5216E-05	4.00003E-05
1514	7.30489E-05	7.63454E-05	1.57042E-05	6.49903E-05	3.77435E-05	7.4346E-05	7.74289E-05	9.09161E-06	6.49903E-05	4.01723E-05
1515	7.30065E-05	7.62999E-05	1.57156E-05	6.61151E-05	3.84433E-05	7.47037E-05	7.78171E-05	8.80339E-06	6.61151E-05	4.09529E-05
1516	7.65354E-05	7.99837E-05	1.65488E-05	7.02288E-05	4.00953E-05	7.86174E-05	8.19019E-05	9.09609E-06	7.02288E-05	4.27929E-05
1517	8.33969E-05	8.71468E-05	1.81636E-05	7.66989E-05	4.23223E-05	8.56928E-05	8.92665E-05	1.00516E-05	7.66989E-05	4.52703E-05
1518	9.05147E-05	9.458E-05	1.97951E-05	8.23283E-05	4.291E-05	9.26674E-05	9.65121E-05	1.12886E-05	8.23283E-05	4.53768E-05
1519	9.21516E-05	9.62605E-05	2.06727E-05	8.36782E-05	0.000133365	9.41781E-05	9.80404E-05	1.24278E-05	8.36782E-05	0.000129598
1520	8.78868E-05	9.17839E-05	2.00946E-05	7.97536E-05	0.000132723	8.9727E-05	9.33697E-05	1.26243E-05	7.97536E-05	0.000128333
1521	8.45156E-05	8.82683E-05	1.92341E-05	7.49437E-05	0.000133295	8.57008E-05	8.9158E-05	1.25242E-05	7.49437E-05	0.000128965
1522	8.32845E-05	8.69868E-05	1.88787E-05	7.22668E-05	0.000133601	8.39213E-05	8.72864E-05	1.26938E-05	7.22668E-05	0.000129302
1523	8.2699E-05	8.63802E-05	1.86602E-05	7.03845E-05	0.000134048	8.28776E-05	8.61839E-05	1.28954E-05	7.03845E-05	0.000129798
1524	8.0694E-05	8.42912E-05	1.8118E-05	6.83543E-05	0.00011951	8.07843E-05	8.40055E-05	1.26026E-05	6.83543E-05	0.000116359
1525	7.98835E-05	8.34456E-05	1.7916E-05	6.75043E-05	0.000119765	7.99221E-05	8.31072E-05	1.25038E-05	6.75043E-05	0.000116643
1526	7.76848E-05	8.11444E-05	1.75005E-05	6.66022E-05	0.000119307	7.8032E-05	8.11531E-05	1.19699E-05	6.66022E-05	0.000116134
1527	7.85182E-05	8.20105E-05	1.77672E-05	6.82177E-05	0.000132742	7.91592E-05	8.23357E-05	1.19235E-05	6.82177E-05	0.000128346
1528	8.26127E-05	8.62855E-05	1.87212E-05	7.20172E-05	0.000130661	8.3363E-05	8.67107E-05	1.25027E-05	7.20172E-05	0.000126032
1529	8.96223E-05	9.36121E-05	2.02162E-05	7.78909E-05	0.000128623	9.03838E-05	9.40134E-05	1.35588E-05	7.78909E-05	0.000123764
1530	0.000101093	0.000105594	2.27826E-05	8.53143E-05	0.000127403	0.000101066	0.000105088	1.5929E-05	8.53143E-05	0.000122407
1531	0.000113377	0.000118418	2.569E-05	9.1411E-05	9.71757E-05	0.000111804	0.000116186	1.90514E-05	9.1411E-05	9.42507E-05
1532	0.000117598	0.00012282	2.67576E-05	9.27397E-05	6.87441E-05	0.000115203	0.000119683	2.03677E-05	9.27397E-05	6.86371E-05
1533	0.000116562	0.000121762	2.61E-05	8.96843E-05	5.31573E-05	0.000113489	0.000117909	1.99469E-05	8.96843E-05	5.40342E-05
1534	0.000110233	0.000115181	2.41558E-05	8.38718E-05	3.89707E-05	0.000107114	0.000111316	1.81904E-05	8.38718E-05	4.15317E-05
1535	9.93096E-05	0.000103772	2.16812E-05	7.75699E-05	3.80758E-05	9.72206E-05	0.000101071	1.57158E-05	7.75699E-05	4.05371E-05
1536	8.88903E-05	9.28914E-05	1.92883E-05	7.28164E-05	3.76203E-05	8.82351E-05	9.1789E-05	1.3012E-05	7.28164E-05	4.00312E-05
1537	7.57001E-05	7.91134E-05	1.6322E-05	6.5171E-05	3.75325E-05	7.62686E-05	7.93972E-05	1.00484E-05	6.5171E-05	3.99371E-05
1538	7.33399E-05	7.66488E-05	1.57787E-05	6.53414E-05	3.7719E-05	7.46709E-05	7.7768E-05	9.11673E-06	6.53414E-05	4.01453E-05
1539	7.33128E-05	7.66193E-05	1.57931E-05	6.64788E-05	3.84352E-05	7.5044E-05	7.81722E-05	8.83066E-06	6.64788E-05	4.09444E-05
1540	7.68719E-05	8.03348E-05	1.6632E-05	7.0617E-05	4.00782E-05	7.89879E-05	8.22884E-05	9.12767E-06	7.0617E-05	4.27744E-05
1541	8.378E-05	8.75465E-05	1.82595E-05	7.71479E-05	4.23025E-05	8.61168E-05	8.97088E-05	1.00866E-05	7.71479E-05	4.52489E-05
1542	9.08202E-05	9.48987E-05	1.98717E-05	8.26873E-05	4.28841E-05	9.30058E-05	9.68651E-05	1.13163E-05	8.26873E-05	4.53486E-05
1543	9.4088E-05	9.82992E-05	2.083E-05	8.42786E-05	0.000133343	9.58139E-05	9.97495E-05	1.25119E-05	8.42786E-05	0.000129574
1544	8.83359E-05	9.22521E-05	2.0209E-05	8.02922E-05	0.000132703	9.02276E-05	9.38921E-05	1.26635E-05	8.02922E-05	0.000128312
1545	8.50226E-05	8.87968E-05	1.93669E-05	7.55743E-05	0.000133288	8.62727E-05	8.9755E-05	1.25653E-05	7.55743E-05	0.000128958
1546	8.37913E-05	8.75153E-05	1.90081E-05	7.28764E-05	0.0001336	8.44867E-05	8.78765E-05	1.27378E-05	7.28764E-05	0.000129301
1547	8.31345E-05	8.68344E-05	1.8772E-05	7.0912E-05	0.000134044	8.33646E-05	8.66922E-05	1.29327E-05	7.0912E-05	0.000129795
1548	8.11024E-05	8.47169E-05	1.82244E-05	6.88586E-05	0.000119506	8.12438E-05	8.44851E-05	1.26363E-05	6.88586E-05	0.000116354
1549	8.03628E-05	8.39456E-05	1.80362E-05	6.80676E-05	0.000119777	8.04529E-05	8.36611E-05	1.25473E-05	6.80676E-05	0.000116656
1550	7.80814E-05	8.15583E-05	1.75978E-05	6.70547E-05	0.000119337	7.84673E-05	8.16071E-05	1.20078E-05	6.70547E-05	0.000116167
1551	7.88216E-05	8.23267E-05	1.78459E-05	6.85903E-05	0.000132765	7.94999E-05	8.26913E-05	1.19488E-05	6.85903E-05	0.000128372
1552	8.2915E-05	8.66003E-05	1.88059E-05	7.24266E-05	0.000130668	8.37138E-05	8.70772E-05	1.25225E-05	7.24266E-05	0.000126039
1553	8.99641E-05	9.3968E-05	2.03117E-05	7.8352E-05	0.000128621	9.078E-05	9.44272E-05	1.35814E-05	7.8352E-05	0.000123762
1554	0.000101463	0.000105981	2.28851E-05	8.58081E-05	0.0001274	0.000101494	0.000105535	1.59545E-05	8.58081E-05	0.000122403
1555	0.000113768	0.000118825	2.57945E-05	9.19098E-05	9.71712E-05	0.000112249	0.00011665	1.90813E-05	9.19098E-05	9.4246E-05
1556	0.000118055	0.000123296	2.68805E-05	9.33274E-05	6.87338E-05	0.000115724	0.000120227	2.0402E-05	9.33274E-05	6.86259E-05
1557	0.000115513	0.000120648	2.61791E-05	9.0211E-05	5.31374E-05	0.000112861	0.000117252	1.99315E-05	9.0211E-05	5.40126E-05
1558	0.000110854	0.000115829	2.43191E-05	8.46477E-05	3.89419E-05	0.000107816	0.000112048	1.82402E-05	8.46477E-05	4.15002E-05
1559	0.000100093	0.000104589	2.18768E-05	7.84856E-05	3.80436E-05	9.80865E-05	0.000101975	1.57876E-05	7.84856E-05	4.05019E-05
1560	8.92747E-05	9.32921E-05	1.93884E-05	7.32907E-05	3.753E-05	8.86676E-05	9.22404E-05	1.30437E-05	7.32907E-05	3.99316E-05
1561	7.57001E-05	7.91134E-05	1.6322E-05	6.5171E-05	3.75325E-05	7.62686E-05	7.93972E-05	1.00484E-05	6.5171E-05	3.99371E-05
1562	7.33399E-05	7.66488E-05	1.57787E-05	6.53414E-05	3.7719E-05	7.46709E-05	7.7768E-05	9.11673E-06	6.53414E-05	4.01453E-05
1563	7.33128E-05	7.66193E-05	1.57931E-05	6.64788E-05	3.84352E-05	7.5044E-05	7.81722E-05	8.83066E-06	6.64788E-05	4.09444E-05
1564	7.68719E-05	8.03348E-05	1.6632E-05	7.0617E-05	4.00782E-05	7.89879E-05	8.22884E-05	9.12767E-06	7.0617E-05	4.27744E-05
1565	8.378E-05	8.75465E-05	1.82595E-05	7.71479E-05	4.23025E-05	8.61168E-05	8.97088E-05	1.00866E-05	7.71479E-05	4.52489E-05
1566	9.08202E-05	9.48987E-05	1.98717E-05	8.26873E-05	4.28841E-05	9.30058E-05	9.68651E-05	1.13163E-05	8.26873E-05	4.53486E-05
1567	9.4088E-05	9.82992E-05	2.083E-05	8.42786E-05	0.000133343	9.58139E-05	9.97495E-05	1.25119E-05	8.42786E-05	0.000129574
1568	8.83359E-05	9.22521E-05	2.0209E-05	8.02922E-05	0.000132703	9.02276E-05	9.38921E-05	1.26635E-05	8.02922E-05	0.000128312
1569	8.50226E-05	8.87968E-05	1.93669E-05	7.55743E-05	0.000133288	8.62727E-05	8.9755E-05	1.25653E-05	7.55743E-05	0.000128958
1570	8.37913E-05	8.75153E-05	1.90081E-05	7.28764E-05	0.0001336	8.44867E-05	8.78765E-05	1.27378E-05	7.28764E-05	0.000129301
1571	8.31345E-05	8.68344E-05	1.8772E-05	7.0912E-05	0.000134044	8.33646E-05	8.66922E-05	1.29327E-05	7.0912E-05	0.000129795
1572	8.11024E-05	8.47169E-05	1.82244E-05	6.88586E-05	0.000119506	8.12438E-05	8.44851E-05	1.26363E-05	6.88586E-05	0.000116354
1573	8.03628E-05	8.39456E-05	1.80362E-05	6.80676E-05	0.000119777	8.04529E-05	8.36611E-05	1.25473E-05	6.80676E-05	0.000116656
1574	7.80814E-05	8.15583E-05	1.75978E-05	6.70547E-05	0.000119337	7.84673E-05	8.16071E-05	1.20078E-05	6.70547E-05	0.000116167
1575	7.88216E-05	8.23267E-05	1.78459E-05	6.85903E-05	0.000132765	7.94999E-05	8.26913E-05	1.19488E-05	6.85903E-05	0.000128372
1576	8.2915E-05	8.66003E-05	1.88059E-05	7.24266E-05	0.000130668	8.37138E-05	8.70772E-05	1.25225E-05	7.24266E-05	0.000126039
1577	8.99641E-05	9.3968E-05	2.03117E-05	7.8352E-05	0.000128621	9.078E-05	9.44272E-05	1.35814E-05	7.8352E-05	0.000123762
1578	0.000101463	0.000105981	2.28851E-05	8.58081E-05	0.0001274	0.000101494	0.000105535	1.59545E-05	8.58081E-05	0.000122403
1579	0.000113768	0.000118825	2.57945E-05	9.19098E-05	9.71712E-05	0.000112249	0.00011665	1.90813E-05	9.19098E-05	9.4246E-05
1580	0.000118055	0.000123296	2.68805E-05	9.33274E-05	6.87338E-05	0.000115724	0.000120227	2.0402E-05	9.33274E-05	6.86259E-05
1581	0.000115513	0.000120648	2.61791E-05	9.0211E-05	5.31374E-05	0.000112861	0.000117252	1.99315E-05	9.0211E-05	5.40126E-05
1582	0.000110854	0.000115829	2.43191E-05	8.46477E-05	3.89419E-05	0.000107816	0.000112048	1.82402E-05	8.46477E-05	4.15002E-05
1583	0.000100093	0.000104589	2.18768E-05	7.84856E-05	3.80436E-05	9.80865E-05	0.000101975	1.57876E-05	7.84856E-05	4.05019E-05
1584	8.92747E-05	9.32921E-05	1.93884E-05	7.32907E-05	3.753E-05	8.86676E-05	9.22404E-05	1.30437E-05	7.32907E-05	3.99316E-05
1585	7.57366E-05	7.91515E-05	1.63315E-05	6.5216E-05	3.75899E-05	7.63097E-05	7.944E-05	1.00514E-05	6.5216E-05	4.00003E-05
1586	7.30489E-05	7.63454E-05	1.57042E-05	6.49903E-05	3.77435E-05	7.4346E-05	7.74289E-05	9.09161E-06	6.49903E-05	4.01723E-05
1587	7.30065E-05	7.62999E-05	1.57156E-05	6.61151E-05	3.84433E-05	7.47037E-05	7.78171E-05	8.80339E-06	6.61151E-05	4.09529E-05

1588	7.65354E-05	7.99837E-05	1.65488E-05	7.02288E-05	4.00953E-05	7.86174E-05	8.19019E-05	9.09609E-06	7.02288E-05	4.27929E-05
1589	8.33969E-05	8.71468E-05	1.81636E-05	7.66989E-05	4.23223E-05	8.56928E-05	8.92665E-05	1.00516E-05	7.66989E-05	4.52703E-05
1590	9.05147E-05	9.458E-05	1.97951E-05	8.23283E-05	4.291E-05	9.26674E-05	9.65121E-05	1.12886E-05	8.23283E-05	4.53768E-05
1591	9.21516E-05	9.62605E-05	2.06727E-05	8.36782E-05	0.000133365	9.41781E-05	9.80404E-05	1.24278E-05	8.36782E-05	0.000129598
1592	8.78868E-05	9.17839E-05	2.00946E-05	7.97536E-05	0.000132723	8.9727E-05	9.33697E-05	1.26243E-05	7.97536E-05	0.000128333
1593	8.45156E-05	8.82683E-05	1.92341E-05	7.49437E-05	0.000133295	8.57008E-05	8.9158E-05	1.25242E-05	7.49437E-05	0.000128965
1594	8.32845E-05	8.69868E-05	1.88787E-05	7.22668E-05	0.000133601	8.39213E-05	8.72864E-05	1.26938E-05	7.22668E-05	0.000129302
1595	8.2699E-05	8.63802E-05	1.86602E-05	7.03845E-05	0.000134048	8.28776E-05	8.61839E-05	1.28954E-05	7.03845E-05	0.000129798
1596	8.0694E-05	8.42912E-05	1.8118E-05	6.83543E-05	0.00011951	8.07843E-05	8.40055E-05	1.26026E-05	6.83543E-05	0.000116359
1597	7.98835E-05	8.34456E-05	1.7916E-05	6.75043E-05	0.000119765	7.99221E-05	8.31072E-05	1.25038E-05	6.75043E-05	0.000116643
1598	7.76848E-05	8.11444E-05	1.75005E-05	6.66022E-05	0.000119307	7.8032E-05	8.11531E-05	1.19699E-05	6.66022E-05	0.000116134
1599	7.85182E-05	8.20105E-05	1.77672E-05	6.82177E-05	0.000132742	7.91592E-05	8.23357E-05	1.19235E-05	6.82177E-05	0.000128346
1600	8.26127E-05	8.62855E-05	1.87212E-05	7.20172E-05	0.000130661	8.3363E-05	8.67107E-05	1.25027E-05	7.20172E-05	0.000126032
1601	8.96223E-05	9.36121E-05	2.02162E-05	7.78909E-05	0.000128623	9.03838E-05	9.40134E-05	1.35588E-05	7.78909E-05	0.000123764
1602	0.000101093	0.000105594	2.27826E-05	8.53143E-05	0.000127403	0.000101066	0.000105088	1.5929E-05	8.53143E-05	0.000122407
1603	0.000113377	0.000118418	2.569E-05	9.1411E-05	9.71757E-05	0.000111804	0.000116186	1.90514E-05	9.1411E-05	9.42507E-05
1604	0.000117598	0.00012282	2.67576E-05	9.27397E-05	6.87441E-05	0.000115203	0.000119683	2.03677E-05	9.27397E-05	6.86371E-05
1605	0.000116562	0.000121762	2.61E-05	8.96843E-05	5.31573E-05	0.000113489	0.000117909	1.99469E-05	8.96843E-05	5.40342E-05
1606	0.000110233	0.000115181	2.41558E-05	8.38718E-05	3.89707E-05	0.000107114	0.000111316	1.81904E-05	8.38718E-05	4.15317E-05
1607	9.93096E-05	0.000103772	2.16812E-05	7.75699E-05	3.80758E-05	9.72206E-05	0.000101071	1.57158E-05	7.75699E-05	4.05371E-05
1608	8.88903E-05	9.28914E-05	1.92883E-05	7.28164E-05	3.76203E-05	8.82351E-05	9.1789E-05	1.3012E-05	7.28164E-05	4.00312E-05
1609	7.57366E-05	7.91515E-05	1.63315E-05	6.5216E-05	3.75899E-05	7.63097E-05	7.944E-05	1.00514E-05	6.5216E-05	4.00003E-05
1610	7.30489E-05	7.63454E-05	1.57042E-05	6.49903E-05	3.77435E-05	7.4346E-05	7.74289E-05	9.09161E-06	6.49903E-05	4.01723E-05
1611	7.30065E-05	7.62999E-05	1.57156E-05	6.61151E-05	3.84433E-05	7.47037E-05	7.78171E-05	8.80339E-06	6.61151E-05	4.09529E-05
1612	7.65354E-05	7.99837E-05	1.65488E-05	7.02288E-05	4.00953E-05	7.86174E-05	8.19019E-05	9.09609E-06	7.02288E-05	4.27929E-05
1613	8.33969E-05	8.71468E-05	1.81636E-05	7.66989E-05	4.23223E-05	8.56928E-05	8.92665E-05	1.00516E-05	7.66989E-05	4.52703E-05
1614	9.05147E-05	9.458E-05	1.97951E-05	8.23283E-05	4.291E-05	9.26674E-05	9.65121E-05	1.12886E-05	8.23283E-05	4.53768E-05
1615	9.21516E-05	9.62605E-05	2.06727E-05	8.36782E-05	0.000133365	9.41781E-05	9.80404E-05	1.24278E-05	8.36782E-05	0.000129598
1616	8.78868E-05	9.17839E-05	2.00946E-05	7.97536E-05	0.000132723	8.9727E-05	9.33697E-05	1.26243E-05	7.97536E-05	0.000128333
1617	8.45156E-05	8.82683E-05	1.92341E-05	7.49437E-05	0.000133295	8.57008E-05	8.9158E-05	1.25242E-05	7.49437E-05	0.000128965
1618	8.32845E-05	8.69868E-05	1.88787E-05	7.22668E-05	0.000133601	8.39213E-05	8.72864E-05	1.26938E-05	7.22668E-05	0.000129302
1619	8.2699E-05	8.63802E-05	1.86602E-05	7.03845E-05	0.000134048	8.28776E-05	8.61839E-05	1.28954E-05	7.03845E-05	0.000129798
1620	8.0694E-05	8.42912E-05	1.8118E-05	6.83543E-05	0.00011951	8.07843E-05	8.40055E-05	1.26026E-05	6.83543E-05	0.000116359
1621	7.98835E-05	8.34456E-05	1.7916E-05	6.75043E-05	0.000119765	7.99221E-05	8.31072E-05	1.25038E-05	6.75043E-05	0.000116643
1622	7.76848E-05	8.11444E-05	1.75005E-05	6.66022E-05	0.000119307	7.8032E-05	8.11531E-05	1.19699E-05	6.66022E-05	0.000116134
1623	7.85182E-05	8.20105E-05	1.77672E-05	6.82177E-05	0.000132742	7.91592E-05	8.23357E-05	1.19235E-05	6.82177E-05	0.000128346
1624	8.26127E-05	8.62855E-05	1.87212E-05	7.20172E-05	0.000130661	8.3363E-05	8.67107E-05	1.25027E-05	7.20172E-05	0.000126032
1625	8.96223E-05	9.36121E-05	2.02162E-05	7.78909E-05	0.000128623	9.03838E-05	9.40134E-05	1.35588E-05	7.78909E-05	0.000123764
1626	0.000101093	0.000105594	2.27826E-05	8.53143E-05	0.000127403	0.000101066	0.000105088	1.5929E-05	8.53143E-05	0.000122407
1627	0.000113377	0.000118418	2.569E-05	9.1411E-05	9.71757E-05	0.000111804	0.000116186	1.90514E-05	9.1411E-05	9.42507E-05
1628	0.000117598	0.00012282	2.67576E-05	9.27397E-05	6.87441E-05	0.000115203	0.000119683	2.03677E-05	9.27397E-05	6.86371E-05
1629	0.000116562	0.000121762	2.61E-05	8.96843E-05	5.31573E-05	0.000113489	0.000117909	1.99469E-05	8.96843E-05	5.40342E-05
1630	0.000110233	0.000115181	2.41558E-05	8.38718E-05	3.89707E-05	0.000107114	0.000111316	1.81904E-05	8.38718E-05	4.15317E-05
1631	9.93096E-05	0.000103772	2.16812E-05	7.75699E-05	3.80758E-05	9.72206E-05	0.000101071	1.57158E-05	7.75699E-05	4.05371E-05
1632	8.88903E-05	9.28914E-05	1.92883E-05	7.28164E-05	3.76203E-05	8.82351E-05	9.1789E-05	1.3012E-05	7.28164E-05	4.00312E-05
1633	7.57366E-05	7.91515E-05	1.63315E-05	6.5216E-05	3.75899E-05	7.63097E-05	7.944E-05	1.00514E-05	6.5216E-05	4.00003E-05
1634	7.30489E-05	7.63454E-05	1.57042E-05	6.49903E-05	3.77435E-05	7.4346E-05	7.74289E-05	9.09161E-06	6.49903E-05	4.01723E-05
1635	7.30065E-05	7.62999E-05	1.57156E-05	6.61151E-05	3.84433E-05	7.47037E-05	7.78171E-05	8.80339E-06	6.61151E-05	4.09529E-05
1636	7.65354E-05	7.99837E-05	1.65488E-05	7.02288E-05	4.00953E-05	7.86174E-05	8.19019E-05	9.09609E-06	7.02288E-05	4.27929E-05
1637	8.33969E-05	8.71468E-05	1.81636E-05	7.66989E-05	4.23223E-05	8.56928E-05	8.92665E-05	1.00516E-05	7.66989E-05	4.52703E-05
1638	9.05147E-05	9.458E-05	1.97951E-05	8.23283E-05	4.291E-05	9.26674E-05	9.65121E-05	1.12886E-05	8.23283E-05	4.53768E-05
1639	9.21516E-05	9.62605E-05	2.06727E-05	8.36782E-05	0.000133365	9.41781E-05	9.80404E-05	1.24278E-05	8.36782E-05	0.000129598
1640	8.78868E-05	9.17839E-05	2.00946E-05	7.97536E-05	0.000132723	8.9727E-05	9.33697E-05	1.26243E-05	7.97536E-05	0.000128333
1641	8.45156E-05	8.82683E-05	1.92341E-05	7.49437E-05	0.000133295	8.57008E-05	8.9158E-05	1.25242E-05	7.49437E-05	0.000128965
1642	8.32845E-05	8.69868E-05	1.88787E-05	7.22668E-05	0.000133601	8.39213E-05	8.72864E-05	1.26938E-05	7.22668E-05	0.000129302
1643	8.2699E-05	8.63802E-05	1.86602E-05	7.03845E-05	0.000134048	8.28776E-05	8.61839E-05	1.28954E-05	7.03845E-05	0.000129798
1644	8.0694E-05	8.42912E-05	1.8118E-05	6.83543E-05	0.00011951	8.07843E-05	8.40055E-05	1.26026E-05	6.83543E-05	0.000116359
1645	7.98835E-05	8.34456E-05	1.7916E-05	6.75043E-05	0.000119765	7.99221E-05	8.31072E-05	1.25038E-05	6.75043E-05	0.000116643
1646	7.76848E-05	8.11444E-05	1.75005E-05	6.66022E-05	0.000119307	7.8032E-05	8.11531E-05	1.19699E-05	6.66022E-05	0.000116134
1647	7.85182E-05	8.20105E-05	1.77672E-05	6.82177E-05	0.000132742	7.91592E-05	8.23357E-05	1.19235E-05	6.82177E-05	0.000128346
1648	8.26127E-05	8.62855E-05	1.87212E-05	7.20172E-05	0.000130661	8.3363E-05	8.67107E-05	1.25027E-05	7.20172E-05	0.000126032
1649	8.96223E-05	9.36121E-05	2.02162E-05	7.78909E-05	0.000128623	9.03838E-05	9.40134E-05	1.35588E-05	7.78909E-05	0.000123764
1650	0.000101093	0.000105594	2.27826E-05	8.53143E-05	0.000127403	0.000101066	0.000105088	1.5929E-05	8.53143E-05	0.000122407
1651	0.000113377	0.000118418	2.569E-05	9.1411E-05	9.71757E-05	0.000111804	0.000116186	1.90514E-05	9.1411E-05	9.42507E-05
1652	0.000117598	0.00012282	2.67576E-05	9.27397E-05	6.87441E-05	0.000115203	0.000119683	2.03677E-05	9.27397E-05	6.86371E-05
1653	0.000116562	0.000121762	2.61E-05	8.96843E-05	5.31573E-05	0.000113489	0.000117909	1.99469E-05	8.96843E-05	5.40342E-05
1654	0.000110233	0.000115181	2.41558E-05	8.38718E-05	3.89707E-05	0.000107114	0.000111316	1.81904E-05	8.38718E-05	4.15317E-05
1655	9.93096E-05	0.000103772	2.16812E-05	7.75699E-05	3.80758E-05	9.72206E-05	0.000101071	1.57158E-05	7.75699E-05	4.05371E-05
1656	8.88903E-05	9.28914E-05	1.92883E-05	7.28164E-05	3.76203E-05	8.82351E-05	9.1789E-05	1.3012E-05	7.28164E-05	4.00312E-05
1657	7.57366E-05	7.91515E-05	1.63315E-05	6.5216E-05	3.75899E-05	7.63097E-05	7.944E-05	1.00514E-05	6.5216E-05	4.00003E-05
1658	7.30489E-05	7.63454E-05	1.57042E-05	6.49903E-05	3.77435E-05	7.4346E-05	7.74289E-05	9.09161E-06	6.49903E-05	4.01723E-05
1659	7.30065E-05	7.62999E-05	1.57156E-05	6.61151E-05	3.84433E-05	7.47037E-05	7.78171E-05	8.80339E-06	6.61151E-05	4.09529E-05
1660	7.65354E-05	7.99837E-05	1.65488E-05	7.02288E-05	4.00953E-05	7.86174E-05	8.19019E-05	9.09609E-06	7.02288E-05	4.27929E-05
1661	8.33969E-05	8.71468E-05	1.81636E-05	7.66989E-05	4.23223E-05	8.56928E-05	8.92665E-05	1.00516E-05	7.66989E-05	4.52703E-05
1662	9.05147E-05	9.458E-05	1.97951E-05	8.23283E-05	4.291E-05	9.26674E-05	9.65121E-05	1.12886E-05	8.23283E-05	4.53768E-05
1663	9.21516E-05	9.62605E-05	2.06727E-05	8.36782E-05	0.000133365	9.41781E-05	9.80404E-05	1.24278E-05	8.36782E-05	0.000129598

1664	8.78868E-05	9.17839E-05	2.00946E-05	7.97536E-05	0.000132723	8.9727E-05	9.33697E-05	1.26243E-05	7.97536E-05	0.000128333
1665	8.45156E-05	8.82683E-05	1.92341E-05	7.49437E-05	0.000133295	8.57008E-05	8.9158E-05	1.25242E-05	7.49437E-05	0.000128965
1666	8.32845E-05	8.69868E-05	1.88787E-05	7.22668E-05	0.000133601	8.39213E-05	8.72864E-05	1.26938E-05	7.22668E-05	0.000129302
1667	8.2699E-05	8.63802E-05	1.86602E-05	7.03845E-05	0.000134048	8.28776E-05	8.61839E-05	1.28954E-05	7.03845E-05	0.000129798
1668	8.0694E-05	8.42912E-05	1.8118E-05	6.83543E-05	0.00011951	8.07843E-05	8.40055E-05	1.26026E-05	6.83543E-05	0.000116359
1669	7.98835E-05	8.34456E-05	1.7916E-05	6.75043E-05	0.000119765	7.99221E-05	8.31072E-05	1.25038E-05	6.75043E-05	0.000116643
1670	7.76848E-05	8.11444E-05	1.75005E-05	6.66022E-05	0.000119307	7.8032E-05	8.11531E-05	1.19699E-05	6.66022E-05	0.000116134
1671	7.85182E-05	8.20105E-05	1.77672E-05	6.82177E-05	0.000132742	7.91592E-05	8.23357E-05	1.19235E-05	6.82177E-05	0.000128346
1672	8.26127E-05	8.62855E-05	1.87212E-05	7.20172E-05	0.000130661	8.3363E-05	8.67107E-05	1.25027E-05	7.20172E-05	0.000126032
1673	8.96223E-05	9.36121E-05	2.02162E-05	7.78909E-05	0.000128623	9.03838E-05	9.40134E-05	1.35588E-05	7.78909E-05	0.000123764
1674	0.000101093	0.000105594	2.27826E-05	8.53143E-05	0.000127403	0.000101066	0.000105088	1.5929E-05	8.53143E-05	0.000122407
1675	0.000113377	0.000118418	2.569E-05	9.1411E-05	9.71757E-05	0.000111804	0.000116186	1.90514E-05	9.1411E-05	9.42507E-05
1676	0.000117598	0.00012282	2.67576E-05	9.27397E-05	6.87441E-05	0.000115203	0.000119683	2.03677E-05	9.27397E-05	6.86371E-05
1677	0.000116562	0.000121762	2.61E-05	8.96843E-05	5.31573E-05	0.000113489	0.000117909	1.99469E-05	8.96843E-05	5.40342E-05
1678	0.000110233	0.000115181	2.41558E-05	8.38718E-05	3.89707E-05	0.000107114	0.000111316	1.81904E-05	8.38718E-05	4.15317E-05
1679	9.93096E-05	0.000103772	2.16812E-05	7.75699E-05	3.80758E-05	9.72206E-05	0.000101071	1.57158E-05	7.75699E-05	4.05371E-05
1680	8.88903E-05	9.28914E-05	1.92883E-05	7.28164E-05	3.76203E-05	8.82351E-05	9.1789E-05	1.3012E-05	7.28164E-05	4.00312E-05
1681	7.57366E-05	7.91515E-05	1.63315E-05	6.5216E-05	3.75899E-05	7.63097E-05	7.944E-05	1.00514E-05	6.5216E-05	4.00003E-05
1682	7.30489E-05	7.63454E-05	1.57042E-05	6.49903E-05	3.77435E-05	7.4346E-05	7.74289E-05	9.09161E-06	6.49903E-05	4.01723E-05
1683	7.30065E-05	7.62999E-05	1.57156E-05	6.61151E-05	3.84433E-05	7.47037E-05	7.78171E-05	8.80339E-06	6.61151E-05	4.09529E-05
1684	7.65354E-05	7.99837E-05	1.65488E-05	7.02288E-05	4.00953E-05	7.86174E-05	8.19019E-05	9.09609E-06	7.02288E-05	4.27929E-05
1685	8.33969E-05	8.71468E-05	1.81636E-05	7.66989E-05	4.23223E-05	8.56928E-05	8.92665E-05	1.00516E-05	7.66989E-05	4.52703E-05
1686	9.05147E-05	9.458E-05	1.97951E-05	8.23283E-05	4.291E-05	9.26674E-05	9.65121E-05	1.12886E-05	8.23283E-05	4.53768E-05
1687	9.21516E-05	9.62605E-05	2.06727E-05	8.36782E-05	0.000133365	9.41781E-05	9.80404E-05	1.24278E-05	8.36782E-05	0.000129598
1688	8.78868E-05	9.17839E-05	2.00946E-05	7.97536E-05	0.000132723	8.9727E-05	9.33697E-05	1.26243E-05	7.97536E-05	0.000128333
1689	8.45156E-05	8.82683E-05	1.92341E-05	7.49437E-05	0.000133295	8.57008E-05	8.9158E-05	1.25242E-05	7.49437E-05	0.000128965
1690	8.32845E-05	8.69868E-05	1.88787E-05	7.22668E-05	0.000133601	8.39213E-05	8.72864E-05	1.26938E-05	7.22668E-05	0.000129302
1691	8.2699E-05	8.63802E-05	1.86602E-05	7.03845E-05	0.000134048	8.28776E-05	8.61839E-05	1.28954E-05	7.03845E-05	0.000129798
1692	8.0694E-05	8.42912E-05	1.8118E-05	6.83543E-05	0.00011951	8.07843E-05	8.40055E-05	1.26026E-05	6.83543E-05	0.000116359
1693	7.98835E-05	8.34456E-05	1.7916E-05	6.75043E-05	0.000119765	7.99221E-05	8.31072E-05	1.25038E-05	6.75043E-05	0.000116643
1694	7.76848E-05	8.11444E-05	1.75005E-05	6.66022E-05	0.000119307	7.8032E-05	8.11531E-05	1.19699E-05	6.66022E-05	0.000116134
1695	7.85182E-05	8.20105E-05	1.77672E-05	6.82177E-05	0.000132742	7.91592E-05	8.23357E-05	1.19235E-05	6.82177E-05	0.000128346
1696	8.26127E-05	8.62855E-05	1.87212E-05	7.20172E-05	0.000130661	8.3363E-05	8.67107E-05	1.25027E-05	7.20172E-05	0.000126032
1697	8.96223E-05	9.36121E-05	2.02162E-05	7.78909E-05	0.000128623	9.03838E-05	9.40134E-05	1.35588E-05	7.78909E-05	0.000123764
1698	0.000101093	0.000105594	2.27826E-05	8.53143E-05	0.000127403	0.000101066	0.000105088	1.5929E-05	8.53143E-05	0.000122407
1699	0.000113377	0.000118418	2.569E-05	9.1411E-05	9.71757E-05	0.000111804	0.000116186	1.90514E-05	9.1411E-05	9.42507E-05
1700	0.000117598	0.00012282	2.67576E-05	9.27397E-05	6.87441E-05	0.000115203	0.000119683	2.03677E-05	9.27397E-05	6.86371E-05
1701	0.000116562	0.000121762	2.61E-05	8.96843E-05	5.31573E-05	0.000113489	0.000117909	1.99469E-05	8.96843E-05	5.40342E-05
1702	0.000110233	0.000115181	2.41558E-05	8.38718E-05	3.89707E-05	0.000107114	0.000111316	1.81904E-05	8.38718E-05	4.15317E-05
1703	9.93096E-05	0.000103772	2.16812E-05	7.75699E-05	3.80758E-05	9.72206E-05	0.000101071	1.57158E-05	7.75699E-05	4.05371E-05
1704	8.88903E-05	9.28914E-05	1.92883E-05	7.28164E-05	3.76203E-05	8.82351E-05	9.1789E-05	1.3012E-05	7.28164E-05	4.00312E-05
1705	7.57001E-05	7.91134E-05	1.6322E-05	6.5171E-05	3.75325E-05	7.62686E-05	7.93972E-05	1.00484E-05	6.5171E-05	3.99371E-05
1706	7.33399E-05	7.66488E-05	1.57787E-05	6.53414E-05	3.7719E-05	7.46709E-05	7.7768E-05	9.11673E-06	6.53414E-05	4.01453E-05
1707	7.33128E-05	7.66193E-05	1.57931E-05	6.64788E-05	3.84352E-05	7.5044E-05	7.81722E-05	8.83066E-06	6.64788E-05	4.09444E-05
1708	7.68719E-05	8.03348E-05	1.6632E-05	7.0617E-05	4.00782E-05	7.89879E-05	8.22884E-05	9.12767E-06	7.0617E-05	4.27744E-05
1709	8.378E-05	8.75465E-05	1.82595E-05	7.71479E-05	4.23025E-05	8.61168E-05	8.97088E-05	1.00866E-05	7.71479E-05	4.52489E-05
1710	9.08202E-05	9.48987E-05	1.98717E-05	8.26873E-05	4.28841E-05	9.30058E-05	9.68651E-05	1.13163E-05	8.26873E-05	4.53486E-05
1711	9.4088E-05	9.82992E-05	2.083E-05	8.42786E-05	0.000133343	9.58139E-05	9.97495E-05	1.25119E-05	8.42786E-05	0.000129574
1712	8.83359E-05	9.22521E-05	2.0209E-05	8.02922E-05	0.000132703	9.02276E-05	9.38921E-05	1.26635E-05	8.02922E-05	0.000128312
1713	8.50226E-05	8.87968E-05	1.93669E-05	7.55743E-05	0.000133288	8.62727E-05	8.9755E-05	1.25653E-05	7.55743E-05	0.000128958
1714	8.37913E-05	8.75153E-05	1.90081E-05	7.28764E-05	0.0001336	8.44867E-05	8.78765E-05	1.27378E-05	7.28764E-05	0.000129301
1715	8.31345E-05	8.68344E-05	1.8772E-05	7.0912E-05	0.000134044	8.33646E-05	8.66922E-05	1.29327E-05	7.0912E-05	0.000129795
1716	8.11024E-05	8.47169E-05	1.82244E-05	6.88586E-05	0.000119506	8.12438E-05	8.44851E-05	1.26363E-05	6.88586E-05	0.000116354
1717	8.03628E-05	8.39456E-05	1.80362E-05	6.80676E-05	0.000119777	8.04529E-05	8.36611E-05	1.25473E-05	6.80676E-05	0.000116656
1718	7.80814E-05	8.15583E-05	1.75978E-05	6.70547E-05	0.000119337	7.84673E-05	8.16071E-05	1.20078E-05	6.70547E-05	0.000116167
1719	7.88216E-05	8.23267E-05	1.78459E-05	6.85903E-05	0.000132765	7.94999E-05	8.26913E-05	1.19488E-05	6.85903E-05	0.000128372
1720	8.2915E-05	8.66003E-05	1.88059E-05	7.24266E-05	0.000130668	8.37138E-05	8.70772E-05	1.25225E-05	7.24266E-05	0.000126039
1721	8.99641E-05	9.3968E-05	2.03117E-05	7.8352E-05	0.000128621	9.078E-05	9.44272E-05	1.35814E-05	7.8352E-05	0.000123762
1722	0.000101463	0.000105981	2.28851E-05	8.58081E-05	0.0001274	0.000101494	0.000105535	1.59545E-05	8.58081E-05	0.000122403
1723	0.000113768	0.000118825	2.57945E-05	9.19098E-05	9.71712E-05	0.000112249	0.00011665	1.90813E-05	9.19098E-05	9.4246E-05
1724	0.000118055	0.000123296	2.68805E-05	9.33274E-05	6.87338E-05	0.000115724	0.000120227	2.0402E-05	9.33274E-05	6.86259E-05
1725	0.000115513	0.000120648	2.61791E-05	9.0211E-05	5.31374E-05	0.000112861	0.000117252	1.99315E-05	9.0211E-05	5.40126E-05
1726	0.000110854	0.000115829	2.43191E-05	8.46477E-05	3.89419E-05	0.000107816	0.000112048	1.82402E-05	8.46477E-05	4.15002E-05
1727	0.000100093	0.000104589	2.18768E-05	7.84856E-05	3.80436E-05	9.80865E-05	0.000101975	1.57876E-05	7.84856E-05	4.05019E-05
1728	8.92747E-05	9.32921E-05	1.93884E-05	7.32907E-05	3.753E-05	8.86676E-05	9.22404E-05	1.30437E-05	7.32907E-05	3.99316E-05
1729	7.57001E-05	7.91134E-05	1.6322E-05	6.5171E-05	3.75325E-05	7.62686E-05	7.93972E-05	1.00484E-05	6.5171E-05	3.99371E-05
1730	7.33399E-05	7.66488E-05	1.57787E-05	6.53414E-05	3.7719E-05	7.46709E-05	7.7768E-05	9.11673E-06	6.53414E-05	4.01453E-05
1731	7.33128E-05	7.66193E-05	1.57931E-05	6.64788E-05	3.84352E-05	7.5044E-05	7.81722E-05	8.83066E-06	6.64788E-05	4.09444E-05
1732	7.68719E-05	8.03348E-05	1.6632E-05	7.0617E-05	4.00782E-05	7.89879E-05	8.22884E-05	9.12767E-06	7.0617E-05	4.27744E-05
1733	8.378E-05	8.75465E-05	1.82595E-05	7.71479E-05	4.23025E-05	8.61168E-05	8.97088E-05	1.00866E-05	7.71479E-05	4.52489E-05
1734	9.08202E-05	9.48987E-05	1.98717E-05	8.26873E-05	4.28841E-05	9.30058E-05	9.68651E-05	1.13163E-05	8.26873E-05	4.53486E-05
1735	9.4088E-05	9.82992E-05	2.083E-05	8.42786E-05	0.000133343	9.58139E-05	9.97495E-05	1.25119E-05	8.42786E-05	0.000129574
1736	8.83359E-05	9.22521E-05	2.0209E-05	8.02922E-05	0.000132703	9.02276E-05	9.38921E-05	1.26635E-05	8.02922E-05	0.000128312
1737	8.50226E-05	8.87968E-05	1.93669E-05	7.55743E-05	0.000133288	8.62727E-05	8.9755E-05	1.25653E-05	7.55743E-05	0.000128958
1738	8.37913E-05	8.75153E-05	1.90081E-05	7.28764E-05	0.0001336	8.44867E-05	8.78765E-05	1.27378E-05	7.28764E-05	0.000129301
1739	8.31345E-05	8.68344E-05	1.8772E-05	7.0912E-05	0.000134044	8.33646E-05	8.66922E-05	1.29327E-05	7.0912E-05	0.000129795

1740	8.11024E-05	8.47169E-05	1.82244E-05	6.88586E-05	0.000119506	8.12438E-05	8.44851E-05	1.26363E-05	6.88586E-05	0.000116354
1741	8.03628E-05	8.39456E-05	1.80362E-05	6.80676E-05	0.000119777	8.04529E-05	8.36611E-05	1.25473E-05	6.80676E-05	0.000116656
1742	7.80814E-05	8.15583E-05	1.75978E-05	6.70547E-05	0.000119337	7.84673E-05	8.16071E-05	1.20078E-05	6.70547E-05	0.000116167
1743	7.88216E-05	8.23267E-05	1.78459E-05	6.85903E-05	0.000132765	7.94999E-05	8.26913E-05	1.19488E-05	6.85903E-05	0.000128372
1744	8.2915E-05	8.66003E-05	1.88059E-05	7.24266E-05	0.000130668	8.37138E-05	8.70772E-05	1.25225E-05	7.24266E-05	0.000126039
1745	8.99641E-05	9.3968E-05	2.03117E-05	7.8352E-05	0.000128621	9.078E-05	9.44272E-05	1.35814E-05	7.8352E-05	0.000123762
1746	0.000101463	0.000105981	2.28851E-05	8.58081E-05	0.0001274	0.000101494	0.000105535	1.59545E-05	8.58081E-05	0.000122403
1747	0.000113768	0.000118825	2.57945E-05	9.19098E-05	9.71712E-05	0.000112249	0.00011665	1.90813E-05	9.19098E-05	9.4246E-05
1748	0.000118055	0.000123296	2.68805E-05	9.33274E-05	6.87338E-05	0.000115724	0.000120227	2.0402E-05	9.33274E-05	6.86259E-05
1749	0.000115513	0.000120648	2.61791E-05	9.0211E-05	5.31374E-05	0.000112861	0.000117252	1.99315E-05	9.0211E-05	5.40126E-05
1750	0.000110854	0.000115829	2.43191E-05	8.46477E-05	3.89419E-05	0.000107816	0.000112048	1.82402E-05	8.46477E-05	4.15002E-05
1751	0.000100093	0.000104589	2.18768E-05	7.84856E-05	3.80436E-05	9.80865E-05	0.000101975	1.57876E-05	7.84856E-05	4.05019E-05
1752	8.92747E-05	9.32921E-05	1.93884E-05	7.32907E-05	3.753E-05	8.86676E-05	9.22404E-05	1.30437E-05	7.32907E-05	3.99316E-05
1753	7.57366E-05	7.91515E-05	1.63315E-05	6.5216E-05	3.75899E-05	7.63097E-05	7.944E-05	1.00514E-05	6.5216E-05	4.00003E-05
1754	7.30489E-05	7.63454E-05	1.57042E-05	6.49903E-05	3.77435E-05	7.4346E-05	7.74289E-05	9.09161E-06	6.49903E-05	4.01723E-05
1755	7.30065E-05	7.62999E-05	1.57156E-05	6.61151E-05	3.84433E-05	7.47037E-05	7.78171E-05	8.80339E-06	6.61151E-05	4.09529E-05
1756	7.65354E-05	7.99837E-05	1.65488E-05	7.02288E-05	4.00953E-05	7.86174E-05	8.19019E-05	9.09609E-06	7.02288E-05	4.27929E-05
1757	8.33969E-05	8.71468E-05	1.81636E-05	7.66989E-05	4.23223E-05	8.56928E-05	8.92665E-05	1.00516E-05	7.66989E-05	4.52703E-05
1758	9.05147E-05	9.458E-05	1.97951E-05	8.23283E-05	4.291E-05	9.26674E-05	9.65121E-05	1.12886E-05	8.23283E-05	4.53768E-05
1759	9.21516E-05	9.62605E-05	2.06727E-05	8.36782E-05	0.000133365	9.41781E-05	9.80404E-05	1.24278E-05	8.36782E-05	0.000129598
1760	8.78868E-05	9.17839E-05	2.00946E-05	7.97536E-05	0.000132723	8.9727E-05	9.33697E-05	1.26243E-05	7.97536E-05	0.000128333
1761	8.45156E-05	8.82683E-05	1.92341E-05	7.49437E-05	0.000133295	8.57008E-05	8.9158E-05	1.25242E-05	7.49437E-05	0.000128965
1762	8.32845E-05	8.69868E-05	1.88787E-05	7.22668E-05	0.000133601	8.39213E-05	8.72864E-05	1.26938E-05	7.22668E-05	0.000129302
1763	8.2699E-05	8.63802E-05	1.86602E-05	7.03845E-05	0.000134048	8.28776E-05	8.61839E-05	1.28954E-05	7.03845E-05	0.000129798
1764	8.0694E-05	8.42912E-05	1.8118E-05	6.83543E-05	0.00011951	8.07843E-05	8.40055E-05	1.26026E-05	6.83543E-05	0.000116359
1765	7.98835E-05	8.34456E-05	1.7916E-05	6.75043E-05	0.000119765	7.99221E-05	8.31072E-05	1.25038E-05	6.75043E-05	0.000116643
1766	7.76848E-05	8.11444E-05	1.75005E-05	6.66022E-05	0.000119307	7.8032E-05	8.11531E-05	1.19699E-05	6.66022E-05	0.000116134
1767	7.85182E-05	8.20105E-05	1.77672E-05	6.82177E-05	0.000132742	7.91592E-05	8.23357E-05	1.19235E-05	6.82177E-05	0.000128346
1768	8.26127E-05	8.62855E-05	1.87212E-05	7.20172E-05	0.000130661	8.3363E-05	8.67107E-05	1.25027E-05	7.20172E-05	0.000126032
1769	8.96223E-05	9.36121E-05	2.02162E-05	7.78909E-05	0.000128623	9.03838E-05	9.40134E-05	1.35588E-05	7.78909E-05	0.000123764
1770	0.000101093	0.000105594	2.27826E-05	8.53143E-05	0.000127403	0.000101066	0.000105088	1.5929E-05	8.53143E-05	0.000122407
1771	0.000113377	0.000118418	2.569E-05	9.1411E-05	9.71757E-05	0.000111804	0.000116186	1.90514E-05	9.1411E-05	9.42507E-05
1772	0.000117598	0.00012282	2.67576E-05	9.27397E-05	6.87441E-05	0.000115203	0.000119683	2.03677E-05	9.27397E-05	6.86371E-05
1773	0.000116562	0.000121762	2.61E-05	8.96843E-05	5.31573E-05	0.000113489	0.000117909	1.99469E-05	8.96843E-05	5.40342E-05
1774	0.000110233	0.000115181	2.41558E-05	8.38718E-05	3.89707E-05	0.000107114	0.000111316	1.81904E-05	8.38718E-05	4.15317E-05
1775	9.93096E-05	0.000103772	2.16812E-05	7.75699E-05	3.80758E-05	9.72206E-05	0.000101071	1.57158E-05	7.75699E-05	4.05371E-05
1776	8.88903E-05	9.28914E-05	1.92883E-05	7.28164E-05	3.76203E-05	8.82351E-05	9.1789E-05	1.3012E-05	7.28164E-05	4.00312E-05
1777	7.57366E-05	7.91515E-05	1.63315E-05	6.5216E-05	3.75899E-05	7.63097E-05	7.944E-05	1.00514E-05	6.5216E-05	4.00003E-05
1778	7.30489E-05	7.63454E-05	1.57042E-05	6.49903E-05	3.77435E-05	7.4346E-05	7.74289E-05	9.09161E-06	6.49903E-05	4.01723E-05
1779	7.30065E-05	7.62999E-05	1.57156E-05	6.61151E-05	3.84433E-05	7.47037E-05	7.78171E-05	8.80339E-06	6.61151E-05	4.09529E-05
1780	7.65354E-05	7.99837E-05	1.65488E-05	7.02288E-05	4.00953E-05	7.86174E-05	8.19019E-05	9.09609E-06	7.02288E-05	4.27929E-05
1781	8.33969E-05	8.71468E-05	1.81636E-05	7.66989E-05	4.23223E-05	8.56928E-05	8.92665E-05	1.00516E-05	7.66989E-05	4.52703E-05
1782	9.05147E-05	9.458E-05	1.97951E-05	8.23283E-05	4.291E-05	9.26674E-05	9.65121E-05	1.12886E-05	8.23283E-05	4.53768E-05
1783	9.21516E-05	9.62605E-05	2.06727E-05	8.36782E-05	0.000133365	9.41781E-05	9.80404E-05	1.24278E-05	8.36782E-05	0.000129598
1784	8.78868E-05	9.17839E-05	2.00946E-05	7.97536E-05	0.000132723	8.9727E-05	9.33697E-05	1.26243E-05	7.97536E-05	0.000128333
1785	8.45156E-05	8.82683E-05	1.92341E-05	7.49437E-05	0.000133295	8.57008E-05	8.9158E-05	1.25242E-05	7.49437E-05	0.000128965
1786	8.32845E-05	8.69868E-05	1.88787E-05	7.22668E-05	0.000133601	8.39213E-05	8.72864E-05	1.26938E-05	7.22668E-05	0.000129302
1787	8.2699E-05	8.63802E-05	1.86602E-05	7.03845E-05	0.000134048	8.28776E-05	8.61839E-05	1.28954E-05	7.03845E-05	0.000129798
1788	8.0694E-05	8.42912E-05	1.8118E-05	6.83543E-05	0.00011951	8.07843E-05	8.40055E-05	1.26026E-05	6.83543E-05	0.000116359
1789	7.98835E-05	8.34456E-05	1.7916E-05	6.75043E-05	0.000119765	7.99221E-05	8.31072E-05	1.25038E-05	6.75043E-05	0.000116643
1790	7.76848E-05	8.11444E-05	1.75005E-05	6.66022E-05	0.000119307	7.8032E-05	8.11531E-05	1.19699E-05	6.66022E-05	0.000116134
1791	7.85182E-05	8.20105E-05	1.77672E-05	6.82177E-05	0.000132742	7.91592E-05	8.23357E-05	1.19235E-05	6.82177E-05	0.000128346
1792	8.26127E-05	8.62855E-05	1.87212E-05	7.20172E-05	0.000130661	8.3363E-05	8.67107E-05	1.25027E-05	7.20172E-05	0.000126032
1793	8.96223E-05	9.36121E-05	2.02162E-05	7.78909E-05	0.000128623	9.03838E-05	9.40134E-05	1.35588E-05	7.78909E-05	0.000123764
1794	0.000101093	0.000105594	2.27826E-05	8.53143E-05	0.000127403	0.000101066	0.000105088	1.5929E-05	8.53143E-05	0.000122407
1795	0.000113377	0.000118418	2.569E-05	9.1411E-05	9.71757E-05	0.000111804	0.000116186	1.90514E-05	9.1411E-05	9.42507E-05
1796	0.000117598	0.00012282	2.67576E-05	9.27397E-05	6.87441E-05	0.000115203	0.000119683	2.03677E-05	9.27397E-05	6.86371E-05
1797	0.000116562	0.000121762	2.61E-05	8.96843E-05	5.31573E-05	0.000113489	0.000117909	1.99469E-05	8.96843E-05	5.40342E-05
1798	0.000110233	0.000115181	2.41558E-05	8.38718E-05	3.89707E-05	0.000107114	0.000111316	1.81904E-05	8.38718E-05	4.15317E-05
1799	9.93096E-05	0.000103772	2.16812E-05	7.75699E-05	3.80758E-05	9.72206E-05	0.000101071	1.57158E-05	7.75699E-05	4.05371E-05
1800	8.88903E-05	9.28914E-05	1.92883E-05	7.28164E-05	3.76203E-05	8.82351E-05	9.1789E-05	1.3012E-05	7.28164E-05	4.00312E-05
1801	7.57366E-05	7.91515E-05	1.63315E-05	6.5216E-05	3.75899E-05	7.63097E-05	7.944E-05	1.00514E-05	6.5216E-05	4.00003E-05
1802	7.30489E-05	7.63454E-05	1.57042E-05	6.49903E-05	3.77435E-05	7.4346E-05	7.74289E-05	9.09161E-06	6.49903E-05	4.01723E-05
1803	7.30065E-05	7.62999E-05	1.57156E-05	6.61151E-05	3.84433E-05	7.47037E-05	7.78171E-05	8.80339E-06	6.61151E-05	4.09529E-05
1804	7.65354E-05	7.99837E-05	1.65488E-05	7.02288E-05	4.00953E-05	7.86174E-05	8.19019E-05	9.09609E-06	7.02288E-05	4.27929E-05
1805	8.33969E-05	8.71468E-05	1.81636E-05	7.66989E-05	4.23223E-05	8.56928E-05	8.92665E-05	1.00516E-05	7.66989E-05	4.52703E-05
1806	9.05147E-05	9.458E-05	1.97951E-05	8.23283E-05	4.291E-05	9.26674E-05	9.65121E-05	1.12886E-05	8.23283E-05	4.53768E-05
1807	9.21516E-05	9.62605E-05	2.06727E-05	8.36782E-05	0.000133365	9.41781E-05	9.80404E-05	1.24278E-05	8.36782E-05	0.000129598
1808	8.78868E-05	9.17839E-05	2.00946E-05	7.97536E-05	0.000132723	8.9727E-05	9.33697E-05	1.26243E-05	7.97536E-05	0.000128333
1809	8.45156E-05	8.82683E-05	1.92341E-05	7.49437E-05	0.000133295	8.57008E-05	8.9158E-05	1.25242E-05	7.49437E-05	0.000128965
1810	8.32845E-05	8.69868E-05	1.88787E-05	7.22668E-05	0.000133601	8.39213E-05	8.72864E-05	1.26938E-05	7.22668E-05	0.000129302
1811	8.2699E-05	8.63802E-05	1.86602E-05	7.03845E-05	0.000134048	8.28776E-05	8.61839E-05	1.28954E-05	7.03845E-05	0.000129798
1812	8.0694E-05	8.42912E-05	1.8118E-05	6.83543E-05	0.00011951	8.07843E-05	8.40055E-05	1.26026E-05	6.83543E-05	0.000116359
1813	7.98835E-05	8.34456E-05	1.7916E-05	6.75043E-05	0.000119765	7.99221E-05	8.31072E-05	1.25038E-05	6.75043E-05	0.000116643
1814	7.76848E-05	8.11444E-05	1.75005E-05	6.66022E-05	0.000119307	7.8032E-05	8.11531E-05	1.19699E-05	6.66022E-05	0.000116134
1815	7.85182E-05	8.20105E-05	1.77672E-05	6.82177E-05	0.000132742	7.91592E-05	8.23357E-05	1.19235E-05	6.82177E-05	0.000128346

1816	8.26127E-05	8.62855E-05	1.87212E-05	7.20172E-05	0.000130661	8.3363E-05	8.67107E-05	1.25027E-05	7.20172E-05	0.000126032
1817	8.96223E-05	9.36121E-05	2.02162E-05	7.78909E-05	0.000128623	9.03838E-05	9.40134E-05	1.35588E-05	7.78909E-05	0.000123764
1818	0.000101093	0.000105594	2.27826E-05	8.53143E-05	0.000127403	0.000101066	0.000105088	1.5929E-05	8.53143E-05	0.000122407
1819	0.000113377	0.000118418	2.569E-05	9.1411E-05	9.71757E-05	0.000111804	0.000116186	1.90514E-05	9.1411E-05	9.42507E-05
1820	0.000117598	0.00012282	2.67576E-05	9.27397E-05	6.87441E-05	0.000115203	0.000119683	2.03677E-05	9.27397E-05	6.86371E-05
1821	0.000116562	0.000121762	2.61E-05	8.96843E-05	5.31573E-05	0.000113489	0.000117909	1.99469E-05	8.96843E-05	5.40342E-05
1822	0.000110233	0.000115181	2.41558E-05	8.38718E-05	3.89707E-05	0.000107114	0.000111316	1.81904E-05	8.38718E-05	4.15317E-05
1823	9.93096E-05	0.000103772	2.16812E-05	7.75699E-05	3.80758E-05	9.72206E-05	0.000101071	1.57158E-05	7.75699E-05	4.05371E-05
1824	8.88903E-05	9.28914E-05	1.92883E-05	7.28164E-05	3.76203E-05	8.82351E-05	9.1789E-05	1.3012E-05	7.28164E-05	4.00312E-05
1825	7.57366E-05	7.91515E-05	1.63315E-05	6.5216E-05	3.75899E-05	7.63097E-05	7.944E-05	1.00514E-05	6.5216E-05	4.00003E-05
1826	7.30489E-05	7.63454E-05	1.57042E-05	6.49903E-05	3.77435E-05	7.4346E-05	7.74289E-05	9.09161E-06	6.49903E-05	4.01723E-05
1827	7.30065E-05	7.62999E-05	1.57156E-05	6.61151E-05	3.84433E-05	7.47037E-05	7.78171E-05	8.80339E-06	6.61151E-05	4.09529E-05
1828	7.65354E-05	7.99837E-05	1.65488E-05	7.02288E-05	4.00953E-05	7.86174E-05	8.19019E-05	9.09609E-06	7.02288E-05	4.27929E-05
1829	8.33969E-05	8.71468E-05	1.81636E-05	7.66989E-05	4.23223E-05	8.56928E-05	8.92665E-05	1.00516E-05	7.66989E-05	4.52703E-05
1830	9.05147E-05	9.458E-05	1.97951E-05	8.23283E-05	4.291E-05	9.26674E-05	9.65121E-05	1.12886E-05	8.23283E-05	4.53768E-05
1831	9.21516E-05	9.62605E-05	2.06727E-05	8.36782E-05	0.000133365	9.41781E-05	9.80404E-05	1.24278E-05	8.36782E-05	0.000129598
1832	8.78868E-05	9.17839E-05	2.00946E-05	7.97536E-05	0.000132723	8.9727E-05	9.33697E-05	1.26243E-05	7.97536E-05	0.000128333
1833	8.45156E-05	8.82683E-05	1.92341E-05	7.49437E-05	0.000133295	8.57008E-05	8.9158E-05	1.25242E-05	7.49437E-05	0.000128965
1834	8.32845E-05	8.69868E-05	1.88787E-05	7.22668E-05	0.000133601	8.39213E-05	8.72864E-05	1.26938E-05	7.22668E-05	0.000129302
1835	8.2699E-05	8.63802E-05	1.86602E-05	7.03845E-05	0.000134048	8.28776E-05	8.61839E-05	1.28954E-05	7.03845E-05	0.000129798
1836	8.0694E-05	8.42912E-05	1.8118E-05	6.83543E-05	0.00011951	8.07843E-05	8.40055E-05	1.26026E-05	6.83543E-05	0.000116359
1837	7.98835E-05	8.34456E-05	1.7916E-05	6.75043E-05	0.000119765	7.99221E-05	8.31072E-05	1.25038E-05	6.75043E-05	0.000116643
1838	7.76848E-05	8.11444E-05	1.75005E-05	6.66022E-05	0.000119307	7.8032E-05	8.11531E-05	1.19699E-05	6.66022E-05	0.000116134
1839	7.85182E-05	8.20105E-05	1.77672E-05	6.82177E-05	0.000132742	7.91592E-05	8.23357E-05	1.19235E-05	6.82177E-05	0.000128346
1840	8.26127E-05	8.62855E-05	1.87212E-05	7.20172E-05	0.000130661	8.3363E-05	8.67107E-05	1.25027E-05	7.20172E-05	0.000126032
1841	8.96223E-05	9.36121E-05	2.02162E-05	7.78909E-05	0.000128623	9.03838E-05	9.40134E-05	1.35588E-05	7.78909E-05	0.000123764
1842	0.000101093	0.000105594	2.27826E-05	8.53143E-05	0.000127403	0.000101066	0.000105088	1.5929E-05	8.53143E-05	0.000122407
1843	0.000113377	0.000118418	2.569E-05	9.1411E-05	9.71757E-05	0.000111804	0.000116186	1.90514E-05	9.1411E-05	9.42507E-05
1844	0.000117598	0.00012282	2.67576E-05	9.27397E-05	6.87441E-05	0.000115203	0.000119683	2.03677E-05	9.27397E-05	6.86371E-05
1845	0.000116562	0.000121762	2.61E-05	8.96843E-05	5.31573E-05	0.000113489	0.000117909	1.99469E-05	8.96843E-05	5.40342E-05
1846	0.000110233	0.000115181	2.41558E-05	8.38718E-05	3.89707E-05	0.000107114	0.000111316	1.81904E-05	8.38718E-05	4.15317E-05
1847	9.93096E-05	0.000103772	2.16812E-05	7.75699E-05	3.80758E-05	9.72206E-05	0.000101071	1.57158E-05	7.75699E-05	4.05371E-05
1848	8.88903E-05	9.28914E-05	1.92883E-05	7.28164E-05	3.76203E-05	8.82351E-05	9.1789E-05	1.3012E-05	7.28164E-05	4.00312E-05
1849	7.57366E-05	7.91515E-05	1.63315E-05	6.5216E-05	3.75899E-05	7.63097E-05	7.944E-05	1.00514E-05	6.5216E-05	4.00003E-05
1850	7.30489E-05	7.63454E-05	1.57042E-05	6.49903E-05	3.77435E-05	7.4346E-05	7.74289E-05	9.09161E-06	6.49903E-05	4.01723E-05
1851	7.30065E-05	7.62999E-05	1.57156E-05	6.61151E-05	3.84433E-05	7.47037E-05	7.78171E-05	8.80339E-06	6.61151E-05	4.09529E-05
1852	7.65354E-05	7.99837E-05	1.65488E-05	7.02288E-05	4.00953E-05	7.86174E-05	8.19019E-05	9.09609E-06	7.02288E-05	4.27929E-05
1853	8.33969E-05	8.71468E-05	1.81636E-05	7.66989E-05	4.23223E-05	8.56928E-05	8.92665E-05	1.00516E-05	7.66989E-05	4.52703E-05
1854	9.05147E-05	9.458E-05	1.97951E-05	8.23283E-05	4.291E-05	9.26674E-05	9.65121E-05	1.12886E-05	8.23283E-05	4.53768E-05
1855	9.21516E-05	9.62605E-05	2.06727E-05	8.36782E-05	0.000133365	9.41781E-05	9.80404E-05	1.24278E-05	8.36782E-05	0.000129598
1856	8.78868E-05	9.17839E-05	2.00946E-05	7.97536E-05	0.000132723	8.9727E-05	9.33697E-05	1.26243E-05	7.97536E-05	0.000128333
1857	8.45156E-05	8.82683E-05	1.92341E-05	7.49437E-05	0.000133295	8.57008E-05	8.9158E-05	1.25242E-05	7.49437E-05	0.000128965
1858	8.32845E-05	8.69868E-05	1.88787E-05	7.22668E-05	0.000133601	8.39213E-05	8.72864E-05	1.26938E-05	7.22668E-05	0.000129302
1859	8.2699E-05	8.63802E-05	1.86602E-05	7.03845E-05	0.000134048	8.28776E-05	8.61839E-05	1.28954E-05	7.03845E-05	0.000129798
1860	8.0694E-05	8.42912E-05	1.8118E-05	6.83543E-05	0.00011951	8.07843E-05	8.40055E-05	1.26026E-05	6.83543E-05	0.000116359
1861	7.98835E-05	8.34456E-05	1.7916E-05	6.75043E-05	0.000119765	7.99221E-05	8.31072E-05	1.25038E-05	6.75043E-05	0.000116643
1862	7.76848E-05	8.11444E-05	1.75005E-05	6.66022E-05	0.000119307	7.8032E-05	8.11531E-05	1.19699E-05	6.66022E-05	0.000116134
1863	7.85182E-05	8.20105E-05	1.77672E-05	6.82177E-05	0.000132742	7.91592E-05	8.23357E-05	1.19235E-05	6.82177E-05	0.000128346
1864	8.26127E-05	8.62855E-05	1.87212E-05	7.20172E-05	0.000130661	8.3363E-05	8.67107E-05	1.25027E-05	7.20172E-05	0.000126032
1865	8.96223E-05	9.36121E-05	2.02162E-05	7.78909E-05	0.000128623	9.03838E-05	9.40134E-05	1.35588E-05	7.78909E-05	0.000123764
1866	0.000101093	0.000105594	2.27826E-05	8.53143E-05	0.000127403	0.000101066	0.000105088	1.5929E-05	8.53143E-05	0.000122407
1867	0.000113377	0.000118418	2.569E-05	9.1411E-05	9.71757E-05	0.000111804	0.000116186	1.90514E-05	9.1411E-05	9.42507E-05
1868	0.000117598	0.00012282	2.67576E-05	9.27397E-05	6.87441E-05	0.000115203	0.000119683	2.03677E-05	9.27397E-05	6.86371E-05
1869	0.000116562	0.000121762	2.61E-05	8.96843E-05	5.31573E-05	0.000113489	0.000117909	1.99469E-05	8.96843E-05	5.40342E-05
1870	0.000110233	0.000115181	2.41558E-05	8.38718E-05	3.89707E-05	0.000107114	0.000111316	1.81904E-05	8.38718E-05	4.15317E-05
1871	9.93096E-05	0.000103772	2.16812E-05	7.75699E-05	3.80758E-05	9.72206E-05	0.000101071	1.57158E-05	7.75699E-05	4.05371E-05
1872	8.88903E-05	9.28914E-05	1.92883E-05	7.28164E-05	3.76203E-05	8.82351E-05	9.1789E-05	1.3012E-05	7.28164E-05	4.00312E-05
1873	7.57001E-05	7.91134E-05	1.6322E-05	6.5171E-05	3.75325E-05	7.62686E-05	7.93972E-05	1.00484E-05	6.5171E-05	3.99371E-05
1874	7.33399E-05	7.66488E-05	1.57787E-05	6.53414E-05	3.7719E-05	7.46709E-05	7.7768E-05	9.11673E-06	6.53414E-05	4.01453E-05
1875	7.33128E-05	7.66193E-05	1.57931E-05	6.64788E-05	3.84352E-05	7.5044E-05	7.81722E-05	8.83066E-06	6.64788E-05	4.09444E-05
1876	7.68719E-05	8.03348E-05	1.6632E-05	7.0617E-05	4.00782E-05	7.89879E-05	8.22884E-05	9.12767E-06	7.0617E-05	4.27744E-05
1877	8.378E-05	8.75465E-05	1.82595E-05	7.71479E-05	4.23025E-05	8.61168E-05	8.97088E-05	1.00866E-05	7.71479E-05	4.52489E-05
1878	9.08202E-05	9.48987E-05	1.98717E-05	8.26873E-05	4.28841E-05	9.30058E-05	9.68651E-05	1.13163E-05	8.26873E-05	4.53486E-05
1879	9.4088E-05	9.82992E-05	2.083E-05	8.42786E-05	0.000133343	9.58139E-05	9.97495E-05	1.25119E-05	8.42786E-05	0.000129574
1880	8.83359E-05	9.22521E-05	2.0209E-05	8.02922E-05	0.000132703	9.02276E-05	9.38921E-05	1.26635E-05	8.02922E-05	0.000128312
1881	8.50226E-05	8.87968E-05	1.93669E-05	7.55743E-05	0.000133288	8.62727E-05	8.9755E-05	1.25653E-05	7.55743E-05	0.000128958
1882	8.37913E-05	8.75153E-05	1.90081E-05	7.28764E-05	0.0001336	8.44867E-05	8.78765E-05	1.27378E-05	7.28764E-05	0.000129301
1883	8.31345E-05	8.68344E-05	1.8772E-05	7.0912E-05	0.000134044	8.33646E-05	8.66922E-05	1.29327E-05	7.0912E-05	0.000129795
1884	8.11024E-05	8.47169E-05	1.82244E-05	6.88586E-05	0.000119506	8.12438E-05	8.44851E-05	1.26363E-05	6.88586E-05	0.000116354
1885	8.03628E-05	8.39456E-05	1.80362E-05	6.80676E-05	0.000119777	8.04529E-05	8.36611E-05	1.25473E-05	6.80676E-05	0.000116656
1886	7.80814E-05	8.15583E-05	1.75978E-05	6.70547E-05	0.000119337	7.84673E-05	8.16071E-05	1.20078E-05	6.70547E-05	0.000116167
1887	7.88216E-05	8.23267E-05	1.78459E-05	6.85903E-05	0.000132765	7.94999E-05	8.26913E-05	1.19488E-05	6.85903E-05	0.000128372
1888	8.2915E-05	8.66003E-05	1.88059E-05	7.24266E-05	0.000130668	8.37138E-05	8.70772E-05	1.25225E-05	7.24266E-05	0.000126039
1889	8.99641E-05	9.3968E-05	2.03117E-05	7.8352E-05	0.000128621	9.078E-05	9.44272E-05	1.35814E-05	7.8352E-05	0.000123762
1890	0.000101463	0.000105981	2.28851E-05	8.58081E-05	0.0001274	0.000101494	0.000105535	1.59545E-05	8.58081E-05	0.000122403
1891	0.000113768	0.000118825	2.57945E-05	9.19098E-05	9.71712E-05	0.000112249	0.00011665	1.90813E-05	9.19098E-05	9.4246E-05

1892	0.000118055	0.000123296	2.68805E-05	9.33274E-05	6.87338E-05	0.000115724	0.000120227	2.0402E-05	9.33274E-05	6.86259E-05
1893	0.000115513	0.000120648	2.61791E-05	9.0211E-05	5.31374E-05	0.000112861	0.000117252	1.99315E-05	9.0211E-05	5.40126E-05
1894	0.000110854	0.000115829	2.43191E-05	8.46477E-05	3.89419E-05	0.000107816	0.000112048	1.82402E-05	8.46477E-05	4.15002E-05
1895	0.000100093	0.000104589	2.18768E-05	7.84856E-05	3.80436E-05	9.80865E-05	0.000101975	1.57876E-05	7.84856E-05	4.05019E-05
1896	8.92747E-05	9.32921E-05	1.93884E-05	7.32907E-05	3.753E-05	8.86676E-05	9.22404E-05	1.30437E-05	7.32907E-05	3.99316E-05
1897	7.57001E-05	7.91134E-05	1.6322E-05	6.5171E-05	3.75325E-05	7.62686E-05	7.93972E-05	1.00484E-05	6.5171E-05	3.99371E-05
1898	7.33399E-05	7.66488E-05	1.57787E-05	6.53414E-05	3.7719E-05	7.46709E-05	7.7768E-05	9.11673E-06	6.53414E-05	4.01453E-05
1899	7.33128E-05	7.66193E-05	1.57931E-05	6.64788E-05	3.84352E-05	7.5044E-05	7.81722E-05	8.83066E-06	6.64788E-05	4.09444E-05
1900	7.68719E-05	8.03348E-05	1.6632E-05	7.0617E-05	4.00782E-05	7.89879E-05	8.22884E-05	9.12767E-06	7.0617E-05	4.27744E-05
1901	8.378E-05	8.75465E-05	1.82595E-05	7.71479E-05	4.23025E-05	8.61168E-05	8.97088E-05	1.00866E-05	7.71479E-05	4.52489E-05
1902	9.08202E-05	9.48987E-05	1.98717E-05	8.26873E-05	4.28841E-05	9.30058E-05	9.68651E-05	1.13163E-05	8.26873E-05	4.53486E-05
1903	9.4088E-05	9.82992E-05	2.083E-05	8.42786E-05	0.000133343	9.58139E-05	9.97495E-05	1.25119E-05	8.42786E-05	0.000129574
1904	8.83359E-05	9.22521E-05	2.0209E-05	8.02922E-05	0.000132703	9.02276E-05	9.38921E-05	1.26635E-05	8.02922E-05	0.000128312
1905	8.50226E-05	8.87968E-05	1.93669E-05	7.55743E-05	0.000133288	8.62727E-05	8.9755E-05	1.25653E-05	7.55743E-05	0.000128958
1906	8.37913E-05	8.75153E-05	1.90081E-05	7.28764E-05	0.0001336	8.44867E-05	8.78765E-05	1.27378E-05	7.28764E-05	0.000129301
1907	8.31345E-05	8.68344E-05	1.8772E-05	7.0912E-05	0.000134044	8.33646E-05	8.66922E-05	1.29327E-05	7.0912E-05	0.000129795
1908	8.11024E-05	8.47169E-05	1.82244E-05	6.88586E-05	0.000119506	8.12438E-05	8.44851E-05	1.26363E-05	6.88586E-05	0.000116354
1909	8.03628E-05	8.39456E-05	1.80362E-05	6.80676E-05	0.000119777	8.04529E-05	8.36611E-05	1.25473E-05	6.80676E-05	0.000116656
1910	7.80814E-05	8.15583E-05	1.75978E-05	6.70547E-05	0.000119337	7.84673E-05	8.16071E-05	1.20078E-05	6.70547E-05	0.000116167
1911	7.88216E-05	8.23267E-05	1.78459E-05	6.85903E-05	0.000132765	7.94999E-05	8.26913E-05	1.19488E-05	6.85903E-05	0.000128372
1912	8.2915E-05	8.66003E-05	1.88059E-05	7.24266E-05	0.000130668	8.37138E-05	8.70772E-05	1.25225E-05	7.24266E-05	0.000126039
1913	8.99641E-05	9.3968E-05	2.03117E-05	7.8352E-05	0.000128621	9.078E-05	9.44272E-05	1.35814E-05	7.8352E-05	0.000123762
1914	0.000101463	0.000105981	2.28851E-05	8.58081E-05	0.0001274	0.000101494	0.000105535	1.59545E-05	8.58081E-05	0.000122403
1915	0.000113768	0.000118825	2.57945E-05	9.19098E-05	9.71712E-05	0.000112249	0.00011665	1.90813E-05	9.19098E-05	9.4246E-05
1916	0.000118055	0.000123296	2.68805E-05	9.33274E-05	6.87338E-05	0.000115724	0.000120227	2.0402E-05	9.33274E-05	6.86259E-05
1917	0.000115513	0.000120648	2.61791E-05	9.0211E-05	5.31374E-05	0.000112861	0.000117252	1.99315E-05	9.0211E-05	5.40126E-05
1918	0.000110854	0.000115829	2.43191E-05	8.46477E-05	3.89419E-05	0.000107816	0.000112048	1.82402E-05	8.46477E-05	4.15002E-05
1919	0.000100093	0.000104589	2.18768E-05	7.84856E-05	3.80436E-05	9.80865E-05	0.000101975	1.57876E-05	7.84856E-05	4.05019E-05
1920	8.92747E-05	9.32921E-05	1.93884E-05	7.32907E-05	3.753E-05	8.86676E-05	9.22404E-05	1.30437E-05	7.32907E-05	3.99316E-05
1921	7.57366E-05	7.91515E-05	1.63315E-05	6.5216E-05	3.75899E-05	7.63097E-05	7.944E-05	1.00514E-05	6.5216E-05	4.00003E-05
1922	7.30489E-05	7.63454E-05	1.57042E-05	6.49903E-05	3.77435E-05	7.4346E-05	7.74289E-05	9.09161E-06	6.49903E-05	4.01723E-05
1923	7.30065E-05	7.62999E-05	1.57156E-05	6.61151E-05	3.84433E-05	7.47037E-05	7.78171E-05	8.80339E-06	6.61151E-05	4.09529E-05
1924	7.65354E-05	7.99837E-05	1.65488E-05	7.02288E-05	4.00953E-05	7.86174E-05	8.19019E-05	9.09609E-06	7.02288E-05	4.27929E-05
1925	8.33969E-05	8.71468E-05	1.81636E-05	7.66989E-05	4.23223E-05	8.56928E-05	8.92665E-05	1.00516E-05	7.66989E-05	4.52703E-05
1926	9.05147E-05	9.458E-05	1.97951E-05	8.23283E-05	4.291E-05	9.26674E-05	9.65121E-05	1.12886E-05	8.23283E-05	4.53768E-05
1927	9.21516E-05	9.62605E-05	2.06727E-05	8.36782E-05	0.000133365	9.41781E-05	9.80404E-05	1.24278E-05	8.36782E-05	0.000129598
1928	8.78868E-05	9.17839E-05	2.00946E-05	7.97536E-05	0.000132723	8.9727E-05	9.33697E-05	1.26243E-05	7.97536E-05	0.000128333
1929	8.45156E-05	8.82683E-05	1.92341E-05	7.49437E-05	0.000133295	8.57008E-05	8.9158E-05	1.25242E-05	7.49437E-05	0.000128965
1930	8.32845E-05	8.69868E-05	1.88787E-05	7.22668E-05	0.000133601	8.39213E-05	8.72864E-05	1.26938E-05	7.22668E-05	0.000129302
1931	8.2699E-05	8.63802E-05	1.86602E-05	7.03845E-05	0.000134048	8.28776E-05	8.61839E-05	1.28954E-05	7.03845E-05	0.000129798
1932	8.0694E-05	8.42912E-05	1.8118E-05	6.83543E-05	0.00011951	8.07843E-05	8.40055E-05	1.26026E-05	6.83543E-05	0.000116359
1933	7.98835E-05	8.34456E-05	1.7916E-05	6.75043E-05	0.000119765	7.99221E-05	8.31072E-05	1.25038E-05	6.75043E-05	0.000116643
1934	7.76848E-05	8.11444E-05	1.75005E-05	6.66022E-05	0.000119307	7.8032E-05	8.11531E-05	1.19699E-05	6.66022E-05	0.000116134
1935	7.85182E-05	8.20105E-05	1.77672E-05	6.82177E-05	0.000132742	7.91592E-05	8.23357E-05	1.19235E-05	6.82177E-05	0.000128346
1936	8.26127E-05	8.62855E-05	1.87212E-05	7.20172E-05	0.000130661	8.3363E-05	8.67107E-05	1.25027E-05	7.20172E-05	0.000126032
1937	8.96223E-05	9.36121E-05	2.02162E-05	7.78909E-05	0.000128623	9.03838E-05	9.40134E-05	1.35588E-05	7.78909E-05	0.000123764
1938	0.000101093	0.000105594	2.27826E-05	8.53143E-05	0.000127403	0.000101066	0.000105088	1.5929E-05	8.53143E-05	0.000122407
1939	0.000113377	0.000118418	2.569E-05	9.1411E-05	9.71757E-05	0.000111804	0.000116186	1.90514E-05	9.1411E-05	9.42507E-05
1940	0.000117598	0.00012282	2.67576E-05	9.27397E-05	6.87441E-05	0.000115203	0.000119683	2.03677E-05	9.27397E-05	6.86371E-05
1941	0.000116562	0.000121762	2.61E-05	8.96843E-05	5.31573E-05	0.000113489	0.000117909	1.99469E-05	8.96843E-05	5.40342E-05
1942	0.000110233	0.000115181	2.41558E-05	8.38718E-05	3.89707E-05	0.000107114	0.000111316	1.81904E-05	8.38718E-05	4.15317E-05
1943	9.93096E-05	0.000103772	2.16812E-05	7.75699E-05	3.80758E-05	9.72206E-05	0.000101071	1.57158E-05	7.75699E-05	4.05371E-05
1944	8.88903E-05	9.28914E-05	1.92883E-05	7.28164E-05	3.76203E-05	8.82351E-05	9.1789E-05	1.3012E-05	7.28164E-05	4.00312E-05
1945	7.57366E-05	7.91515E-05	1.63315E-05	6.5216E-05	3.75899E-05	7.63097E-05	7.944E-05	1.00514E-05	6.5216E-05	4.00003E-05
1946	7.30489E-05	7.63454E-05	1.57042E-05	6.49903E-05	3.77435E-05	7.4346E-05	7.74289E-05	9.09161E-06	6.49903E-05	4.01723E-05
1947	7.30065E-05	7.62999E-05	1.57156E-05	6.61151E-05	3.84433E-05	7.47037E-05	7.78171E-05	8.80339E-06	6.61151E-05	4.09529E-05
1948	7.65354E-05	7.99837E-05	1.65488E-05	7.02288E-05	4.00953E-05	7.86174E-05	8.19019E-05	9.09609E-06	7.02288E-05	4.27929E-05
1949	8.33969E-05	8.71468E-05	1.81636E-05	7.66989E-05	4.23223E-05	8.56928E-05	8.92665E-05	1.00516E-05	7.66989E-05	4.52703E-05
1950	9.05147E-05	9.458E-05	1.97951E-05	8.23283E-05	4.291E-05	9.26674E-05	9.65121E-05	1.12886E-05	8.23283E-05	4.53768E-05
1951	9.21516E-05	9.62605E-05	2.06727E-05	8.36782E-05	0.000133365	9.41781E-05	9.80404E-05	1.24278E-05	8.36782E-05	0.000129598
1952	8.78868E-05	9.17839E-05	2.00946E-05	7.97536E-05	0.000132723	8.9727E-05	9.33697E-05	1.26243E-05	7.97536E-05	0.000128333
1953	8.45156E-05	8.82683E-05	1.92341E-05	7.49437E-05	0.000133295	8.57008E-05	8.9158E-05	1.25242E-05	7.49437E-05	0.000128965
1954	8.32845E-05	8.69868E-05	1.88787E-05	7.22668E-05	0.000133601	8.39213E-05	8.72864E-05	1.26938E-05	7.22668E-05	0.000129302
1955	8.2699E-05	8.63802E-05	1.86602E-05	7.03845E-05	0.000134048	8.28776E-05	8.61839E-05	1.28954E-05	7.03845E-05	0.000129798
1956	8.0694E-05	8.42912E-05	1.8118E-05	6.83543E-05	0.00011951	8.07843E-05	8.40055E-05	1.26026E-05	6.83543E-05	0.000116359
1957	7.98835E-05	8.34456E-05	1.7916E-05	6.75043E-05	0.000119765	7.99221E-05	8.31072E-05	1.25038E-05	6.75043E-05	0.000116643
1958	7.76848E-05	8.11444E-05	1.75005E-05	6.66022E-05	0.000119307	7.8032E-05	8.11531E-05	1.19699E-05	6.66022E-05	0.000116134
1959	7.85182E-05	8.20105E-05	1.77672E-05	6.82177E-05	0.000132742	7.91592E-05	8.23357E-05	1.19235E-05	6.82177E-05	0.000128346
1960	8.26127E-05	8.62855E-05	1.87212E-05	7.20172E-05	0.000130661	8.3363E-05	8.67107E-05	1.25027E-05	7.20172E-05	0.000126032
1961	8.96223E-05	9.36121E-05	2.02162E-05	7.78909E-05	0.000128623	9.03838E-05	9.40134E-05	1.35588E-05	7.78909E-05	0.000123764
1962	0.000101093	0.000105594	2.27826E-05	8.53143E-05	0.000127403	0.000101066	0.000105088	1.5929E-05	8.53143E-05	0.000122407
1963	0.000113377	0.000118418	2.569E-05	9.1411E-05	9.71757E-05	0.000111804	0.000116186	1.90514E-05	9.1411E-05	9.42507E-05
1964	0.000117598	0.00012282	2.67576E-05	9.27397E-05	6.87441E-05	0.000115203	0.000119683	2.03677E-05	9.27397E-05	6.86371E-05
1965	0.000116562	0.000121762	2.61E-05	8.96843E-05	5.31573E-05	0.000113489	0.000117909	1.99469E-05	8.96843E-05	5.40342E-05
1966	0.000110233	0.000115181	2.41558E-05	8.38718E-05	3.89707E-05	0.000107114	0.000111316	1.81904E-05	8.38718E-05	4.15317E-05
1967	9.93096E-05	0.000103772	2.16812E-05	7.75699E-05	3.80758E-05	9.72206E-05	0.000101071	1.57158E-05	7.75699E-05	4.05371E-05

1968	8.88903E-05	9.28914E-05	1.92883E-05	7.28164E-05	3.76203E-05	8.82351E-05	9.1789E-05	1.3012E-05	7.28164E-05	4.00312E-05
1969	7.57366E-05	7.91515E-05	1.63315E-05	6.5216E-05	3.75899E-05	7.63097E-05	7.944E-05	1.00514E-05	6.5216E-05	4.00003E-05
1970	7.30489E-05	7.63454E-05	1.57042E-05	6.49903E-05	3.77435E-05	7.4346E-05	7.74289E-05	9.09161E-06	6.49903E-05	4.01723E-05
1971	7.30065E-05	7.62999E-05	1.57156E-05	6.61151E-05	3.84433E-05	7.47037E-05	7.78171E-05	8.80339E-06	6.61151E-05	4.09529E-05
1972	7.65354E-05	7.99837E-05	1.65488E-05	7.02288E-05	4.00953E-05	7.86174E-05	8.19019E-05	9.09609E-06	7.02288E-05	4.27929E-05
1973	8.33969E-05	8.71468E-05	1.81636E-05	7.66989E-05	4.23223E-05	8.56928E-05	8.92665E-05	1.00516E-05	7.66989E-05	4.52703E-05
1974	9.05147E-05	9.458E-05	1.97951E-05	8.23283E-05	4.291E-05	9.26674E-05	9.65121E-05	1.12886E-05	8.23283E-05	4.53768E-05
1975	9.21516E-05	9.62605E-05	2.06727E-05	8.36782E-05	0.000133365	9.41781E-05	9.80404E-05	1.24278E-05	8.36782E-05	0.000129598
1976	8.78868E-05	9.17839E-05	2.00946E-05	7.97536E-05	0.000132723	8.9727E-05	9.33697E-05	1.26243E-05	7.97536E-05	0.000128333
1977	8.45156E-05	8.82683E-05	1.92341E-05	7.49437E-05	0.000133295	8.57008E-05	8.9158E-05	1.25242E-05	7.49437E-05	0.000128965
1978	8.32845E-05	8.69868E-05	1.88787E-05	7.22668E-05	0.000133601	8.39213E-05	8.72864E-05	1.26938E-05	7.22668E-05	0.000129302
1979	8.2699E-05	8.63802E-05	1.86602E-05	7.03845E-05	0.000134048	8.28776E-05	8.61839E-05	1.28954E-05	7.03845E-05	0.000129798
1980	8.0694E-05	8.42912E-05	1.8118E-05	6.83543E-05	0.00011951	8.07843E-05	8.40055E-05	1.26026E-05	6.83543E-05	0.000116359
1981	7.98835E-05	8.34456E-05	1.7916E-05	6.75043E-05	0.000119765	7.99221E-05	8.31072E-05	1.25038E-05	6.75043E-05	0.000116643
1982	7.76848E-05	8.11444E-05	1.75005E-05	6.66022E-05	0.000119307	7.8032E-05	8.11531E-05	1.19699E-05	6.66022E-05	0.000116134
1983	7.85182E-05	8.20105E-05	1.77672E-05	6.82177E-05	0.000132742	7.91592E-05	8.23357E-05	1.19235E-05	6.82177E-05	0.000128346
1984	8.26127E-05	8.62855E-05	1.87212E-05	7.20172E-05	0.000130661	8.3363E-05	8.67107E-05	1.25027E-05	7.20172E-05	0.000126032
1985	8.96223E-05	9.36121E-05	2.02162E-05	7.78909E-05	0.000128623	9.03838E-05	9.40134E-05	1.35588E-05	7.78909E-05	0.000123764
1986	0.000101093	0.000105594	2.27826E-05	8.53143E-05	0.000127403	0.000101066	0.000105088	1.5929E-05	8.53143E-05	0.000122407
1987	0.000113377	0.000118418	2.569E-05	9.1411E-05	9.71757E-05	0.000111804	0.000116186	1.90514E-05	9.1411E-05	9.42507E-05
1988	0.000117598	0.00012282	2.67576E-05	9.27397E-05	6.87441E-05	0.000115203	0.000119683	2.03677E-05	9.27397E-05	6.86371E-05
1989	0.000116562	0.000121762	2.61E-05	8.96843E-05	5.31573E-05	0.000113489	0.000117909	1.99469E-05	8.96843E-05	5.40342E-05
1990	0.000110233	0.000115181	2.41558E-05	8.38718E-05	3.89707E-05	0.000107114	0.000111316	1.81904E-05	8.38718E-05	4.15317E-05
1991	9.93096E-05	0.000103772	2.16812E-05	7.75699E-05	3.80758E-05	9.72206E-05	0.000101071	1.57158E-05	7.75699E-05	4.05371E-05
1992	8.88903E-05	9.28914E-05	1.92883E-05	7.28164E-05	3.76203E-05	8.82351E-05	9.1789E-05	1.3012E-05	7.28164E-05	4.00312E-05
1993	7.57366E-05	7.91515E-05	1.63315E-05	6.5216E-05	3.75899E-05	7.63097E-05	7.944E-05	1.00514E-05	6.5216E-05	4.00003E-05
1994	7.30489E-05	7.63454E-05	1.57042E-05	6.49903E-05	3.77435E-05	7.4346E-05	7.74289E-05	9.09161E-06	6.49903E-05	4.01723E-05
1995	7.30065E-05	7.62999E-05	1.57156E-05	6.61151E-05	3.84433E-05	7.47037E-05	7.78171E-05	8.80339E-06	6.61151E-05	4.09529E-05
1996	7.65354E-05	7.99837E-05	1.65488E-05	7.02288E-05	4.00953E-05	7.86174E-05	8.19019E-05	9.09609E-06	7.02288E-05	4.27929E-05
1997	8.33969E-05	8.71468E-05	1.81636E-05	7.66989E-05	4.23223E-05	8.56928E-05	8.92665E-05	1.00516E-05	7.66989E-05	4.52703E-05
1998	9.05147E-05	9.458E-05	1.97951E-05	8.23283E-05	4.291E-05	9.26674E-05	9.65121E-05	1.12886E-05	8.23283E-05	4.53768E-05
1999	9.21516E-05	9.62605E-05	2.06727E-05	8.36782E-05	0.000133365	9.41781E-05	9.80404E-05	1.24278E-05	8.36782E-05	0.000129598
2000	8.78868E-05	9.17839E-05	2.00946E-05	7.97536E-05	0.000132723	8.9727E-05	9.33697E-05	1.26243E-05	7.97536E-05	0.000128333
2001	8.45156E-05	8.82683E-05	1.92341E-05	7.49437E-05	0.000133295	8.57008E-05	8.9158E-05	1.25242E-05	7.49437E-05	0.000128965
2002	8.32845E-05	8.69868E-05	1.88787E-05	7.22668E-05	0.000133601	8.39213E-05	8.72864E-05	1.26938E-05	7.22668E-05	0.000129302
2003	8.2699E-05	8.63802E-05	1.86602E-05	7.03845E-05	0.000134048	8.28776E-05	8.61839E-05	1.28954E-05	7.03845E-05	0.000129798
2004	8.0694E-05	8.42912E-05	1.8118E-05	6.83543E-05	0.00011951	8.07843E-05	8.40055E-05	1.26026E-05	6.83543E-05	0.000116359
2005	7.98835E-05	8.34456E-05	1.7916E-05	6.75043E-05	0.000119765	7.99221E-05	8.31072E-05	1.25038E-05	6.75043E-05	0.000116643
2006	7.76848E-05	8.11444E-05	1.75005E-05	6.66022E-05	0.000119307	7.8032E-05	8.11531E-05	1.19699E-05	6.66022E-05	0.000116134
2007	7.85182E-05	8.20105E-05	1.77672E-05	6.82177E-05	0.000132742	7.91592E-05	8.23357E-05	1.19235E-05	6.82177E-05	0.000128346
2008	8.26127E-05	8.62855E-05	1.87212E-05	7.20172E-05	0.000130661	8.3363E-05	8.67107E-05	1.25027E-05	7.20172E-05	0.000126032
2009	8.96223E-05	9.36121E-05	2.02162E-05	7.78909E-05	0.000128623	9.03838E-05	9.40134E-05	1.35588E-05	7.78909E-05	0.000123764
2010	0.000101093	0.000105594	2.27826E-05	8.53143E-05	0.000127403	0.000101066	0.000105088	1.5929E-05	8.53143E-05	0.000122407
2011	0.000113377	0.000118418	2.569E-05	9.1411E-05	9.71757E-05	0.000111804	0.000116186	1.90514E-05	9.1411E-05	9.42507E-05
2012	0.000117598	0.00012282	2.67576E-05	9.27397E-05	6.87441E-05	0.000115203	0.000119683	2.03677E-05	9.27397E-05	6.86371E-05
2013	0.000116562	0.000121762	2.61E-05	8.96843E-05	5.31573E-05	0.000113489	0.000117909	1.99469E-05	8.96843E-05	5.40342E-05
2014	0.000110233	0.000115181	2.41558E-05	8.38718E-05	3.89707E-05	0.000107114	0.000111316	1.81904E-05	8.38718E-05	4.15317E-05
2015	9.93096E-05	0.000103772	2.16812E-05	7.75699E-05	3.80758E-05	9.72206E-05	0.000101071	1.57158E-05	7.75699E-05	4.05371E-05
2016	8.88903E-05	9.28914E-05	1.92883E-05	7.28164E-05	3.76203E-05	8.82351E-05	9.1789E-05	1.3012E-05	7.28164E-05	4.00312E-05
2017	7.57366E-05	7.91515E-05	1.63315E-05	6.5216E-05	3.75899E-05	7.63097E-05	7.944E-05	1.00514E-05	6.5216E-05	4.00003E-05
2018	7.30489E-05	7.63454E-05	1.57042E-05	6.49903E-05	3.77435E-05	7.4346E-05	7.74289E-05	9.09161E-06	6.49903E-05	4.01723E-05
2019	7.30065E-05	7.62999E-05	1.57156E-05	6.61151E-05	3.84433E-05	7.47037E-05	7.78171E-05	8.80339E-06	6.61151E-05	4.09529E-05
2020	7.65354E-05	7.99837E-05	1.65488E-05	7.02288E-05	4.00953E-05	7.86174E-05	8.19019E-05	9.09609E-06	7.02288E-05	4.27929E-05
2021	8.33969E-05	8.71468E-05	1.81636E-05	7.66989E-05	4.23223E-05	8.56928E-05	8.92665E-05	1.00516E-05	7.66989E-05	4.52703E-05
2022	9.05147E-05	9.458E-05	1.97951E-05	8.23283E-05	4.291E-05	9.26674E-05	9.65121E-05	1.12886E-05	8.23283E-05	4.53768E-05
2023	9.21516E-05	9.62605E-05	2.06727E-05	8.36782E-05	0.000133365	9.41781E-05	9.80404E-05	1.24278E-05	8.36782E-05	0.000129598
2024	8.78868E-05	9.17839E-05	2.00946E-05	7.97536E-05	0.000132723	8.9727E-05	9.33697E-05	1.26243E-05	7.97536E-05	0.000128333
2025	8.45156E-05	8.82683E-05	1.92341E-05	7.49437E-05	0.000133295	8.57008E-05	8.9158E-05	1.25242E-05	7.49437E-05	0.000128965
2026	8.32845E-05	8.69868E-05	1.88787E-05	7.22668E-05	0.000133601	8.39213E-05	8.72864E-05	1.26938E-05	7.22668E-05	0.000129302
2027	8.2699E-05	8.63802E-05	1.86602E-05	7.03845E-05	0.000134048	8.28776E-05	8.61839E-05	1.28954E-05	7.03845E-05	0.000129798
2028	8.0694E-05	8.42912E-05	1.8118E-05	6.83543E-05	0.00011951	8.07843E-05	8.40055E-05	1.26026E-05	6.83543E-05	0.000116359
2029	7.98835E-05	8.34456E-05	1.7916E-05	6.75043E-05	0.000119765	7.99221E-05	8.31072E-05	1.25038E-05	6.75043E-05	0.000116643
2030	7.76848E-05	8.11444E-05	1.75005E-05	6.66022E-05	0.000119307	7.8032E-05	8.11531E-05	1.19699E-05	6.66022E-05	0.000116134
2031	7.85182E-05	8.20105E-05	1.77672E-05	6.82177E-05	0.000132742	7.91592E-05	8.23357E-05	1.19235E-05	6.82177E-05	0.000128346
2032	8.26127E-05	8.62855E-05	1.87212E-05	7.20172E-05	0.000130661	8.3363E-05	8.67107E-05	1.25027E-05	7.20172E-05	0.000126032
2033	8.96223E-05	9.36121E-05	2.02162E-05	7.78909E-05	0.000128623	9.03838E-05	9.40134E-05	1.35588E-05	7.78909E-05	0.000123764
2034	0.000101093	0.000105594	2.27826E-05	8.53143E-05	0.000127403	0.000101066	0.000105088	1.5929E-05	8.53143E-05	0.000122407
2035	0.000113377	0.000118418	2.569E-05	9.1411E-05	9.71757E-05	0.000111804	0.000116186	1.90514E-05	9.1411E-05	9.42507E-05
2036	0.000117598	0.00012282	2.67576E-05	9.27397E-05	6.87441E-05	0.000115203	0.000119683	2.03677E-05	9.27397E-05	6.86371E-05
2037	0.000116562	0.000121762	2.61E-05	8.96843E-05	5.31573E-05	0.000113489	0.000117909	1.99469E-05	8.96843E-05	5.40342E-05
2038	0.000110233	0.000115181	2.41558E-05	8.38718E-05	3.89707E-05	0.000107114	0.000111316	1.81904E-05	8.38718E-05	4.15317E-05
2039	9.93096E-05	0.000103772	2.16812E-05	7.75699E-05	3.80758E-05	9.72206E-05	0.000101071	1.57158E-05	7.75699E-05	4.05371E-05
2040	8.88903E-05	9.28914E-05	1.92883E-05	7.28164E-05	3.76203E-05	8.82351E-05	9.1789E-05	1.3012E-05	7.28164E-05	4.00312E-05
2041	7.57001E-05	7.91134E-05	1.6322E-05	6.5171E-05	3.75325E-05	7.62686E-05	7.93972E-05	1.00484E-05	6.5171E-05	3.99371E-05
2042	7.33399E-05	7.66488E-05	1.57787E-05	6.53414E-05	3.7719E-05	7.46709E-05	7.7768E-05	9.11673E-06	6.53414E-05	4.01453E-05
2043	7.33128E-05	7.66193E-05	1.57931E-05	6.64788E-05	3.84352E-05	7.5044E-05	7.81722E-05	8.83066E-06	6.64788E-05	4.09444E-05

2044	7.68719E-05	8.03348E-05	1.6632E-05	7.0617E-05	4.00782E-05	7.89879E-05	8.22884E-05	9.12767E-06	7.0617E-05	4.27744E-05
2045	8.378E-05	8.75465E-05	1.82595E-05	7.71479E-05	4.23025E-05	8.61168E-05	8.97088E-05	1.00866E-05	7.71479E-05	4.52489E-05
2046	9.08202E-05	9.48987E-05	1.98717E-05	8.26873E-05	4.28841E-05	9.30058E-05	9.68651E-05	1.13163E-05	8.26873E-05	4.53486E-05
2047	9.4088E-05	9.82992E-05	2.083E-05	8.42786E-05	0.000133343	9.58139E-05	9.97495E-05	1.25119E-05	8.42786E-05	0.000129574
2048	8.83359E-05	9.22521E-05	2.0209E-05	8.02922E-05	0.000132703	9.02276E-05	9.38921E-05	1.26635E-05	8.02922E-05	0.000128312
2049	8.50226E-05	8.87968E-05	1.93669E-05	7.55743E-05	0.000133288	8.62727E-05	8.9755E-05	1.25653E-05	7.55743E-05	0.000128958
2050	8.37913E-05	8.75153E-05	1.90081E-05	7.28764E-05	0.0001336	8.44867E-05	8.78765E-05	1.27378E-05	7.28764E-05	0.000129301
2051	8.31345E-05	8.68344E-05	1.8772E-05	7.0912E-05	0.000134044	8.33646E-05	8.66922E-05	1.29327E-05	7.0912E-05	0.000129795
2052	8.11024E-05	8.47169E-05	1.82244E-05	6.88586E-05	0.000119506	8.12438E-05	8.44851E-05	1.26363E-05	6.88586E-05	0.000116354
2053	8.03628E-05	8.39456E-05	1.80362E-05	6.80676E-05	0.000119777	8.04529E-05	8.36611E-05	1.25473E-05	6.80676E-05	0.000116656
2054	7.80814E-05	8.15583E-05	1.75978E-05	6.70547E-05	0.000119337	7.84673E-05	8.16071E-05	1.20078E-05	6.70547E-05	0.000116167
2055	7.88216E-05	8.23267E-05	1.78459E-05	6.85903E-05	0.000132765	7.94999E-05	8.26913E-05	1.19488E-05	6.85903E-05	0.000128372
2056	8.2915E-05	8.66003E-05	1.88059E-05	7.24266E-05	0.000130668	8.37138E-05	8.70772E-05	1.25225E-05	7.24266E-05	0.000126039
2057	8.99641E-05	9.3968E-05	2.03117E-05	7.8352E-05	0.000128621	9.078E-05	9.44272E-05	1.35814E-05	7.8352E-05	0.000123762
2058	0.000101463	0.000105981	2.28851E-05	8.58081E-05	0.0001274	0.000101494	0.000105535	1.59545E-05	8.58081E-05	0.000122403
2059	0.000113768	0.000118825	2.57945E-05	9.19098E-05	9.71712E-05	0.000112249	0.00011665	1.90813E-05	9.19098E-05	9.4246E-05
2060	0.000118055	0.000123296	2.68805E-05	9.33274E-05	6.87338E-05	0.000115724	0.000120227	2.0402E-05	9.33274E-05	6.86259E-05
2061	0.000115513	0.000120648	2.61791E-05	9.0211E-05	5.31374E-05	0.000112861	0.000117252	1.99315E-05	9.0211E-05	5.40126E-05
2062	0.000110854	0.000115829	2.43191E-05	8.46477E-05	3.89419E-05	0.000107816	0.000112048	1.82402E-05	8.46477E-05	4.15002E-05
2063	0.000100093	0.000104589	2.18768E-05	7.84856E-05	3.80436E-05	9.80865E-05	0.000101975	1.57876E-05	7.84856E-05	4.05019E-05
2064	8.92747E-05	9.32921E-05	1.93884E-05	7.32907E-05	3.753E-05	8.86676E-05	9.22404E-05	1.30437E-05	7.32907E-05	3.99316E-05
2065	7.57001E-05	7.91134E-05	1.6322E-05	6.5171E-05	3.75325E-05	7.62686E-05	7.93972E-05	1.00484E-05	6.5171E-05	3.99371E-05
2066	7.33399E-05	7.66488E-05	1.57787E-05	6.53414E-05	3.7719E-05	7.46709E-05	7.7768E-05	9.11673E-06	6.53414E-05	4.01453E-05
2067	7.33128E-05	7.66193E-05	1.57931E-05	6.64788E-05	3.84352E-05	7.5044E-05	7.81722E-05	8.83066E-06	6.64788E-05	4.09444E-05
2068	7.68719E-05	8.03348E-05	1.6632E-05	7.0617E-05	4.00782E-05	7.89879E-05	8.22884E-05	9.12767E-06	7.0617E-05	4.27744E-05
2069	8.378E-05	8.75465E-05	1.82595E-05	7.71479E-05	4.23025E-05	8.61168E-05	8.97088E-05	1.00866E-05	7.71479E-05	4.52489E-05
2070	9.08202E-05	9.48987E-05	1.98717E-05	8.26873E-05	4.28841E-05	9.30058E-05	9.68651E-05	1.13163E-05	8.26873E-05	4.53486E-05
2071	9.4088E-05	9.82992E-05	2.083E-05	8.42786E-05	0.000133343	9.58139E-05	9.97495E-05	1.25119E-05	8.42786E-05	0.000129574
2072	8.83359E-05	9.22521E-05	2.0209E-05	8.02922E-05	0.000132703	9.02276E-05	9.38921E-05	1.26635E-05	8.02922E-05	0.000128312
2073	8.50226E-05	8.87968E-05	1.93669E-05	7.55743E-05	0.000133288	8.62727E-05	8.9755E-05	1.25653E-05	7.55743E-05	0.000128958
2074	8.37913E-05	8.75153E-05	1.90081E-05	7.28764E-05	0.0001336	8.44867E-05	8.78765E-05	1.27378E-05	7.28764E-05	0.000129301
2075	8.31345E-05	8.68344E-05	1.8772E-05	7.0912E-05	0.000134044	8.33646E-05	8.66922E-05	1.29327E-05	7.0912E-05	0.000129795
2076	8.11024E-05	8.47169E-05	1.82244E-05	6.88586E-05	0.000119506	8.12438E-05	8.44851E-05	1.26363E-05	6.88586E-05	0.000116354
2077	8.03628E-05	8.39456E-05	1.80362E-05	6.80676E-05	0.000119777	8.04529E-05	8.36611E-05	1.25473E-05	6.80676E-05	0.000116656
2078	7.80814E-05	8.15583E-05	1.75978E-05	6.70547E-05	0.000119337	7.84673E-05	8.16071E-05	1.20078E-05	6.70547E-05	0.000116167
2079	7.88216E-05	8.23267E-05	1.78459E-05	6.85903E-05	0.000132765	7.94999E-05	8.26913E-05	1.19488E-05	6.85903E-05	0.000128372
2080	8.2915E-05	8.66003E-05	1.88059E-05	7.24266E-05	0.000130668	8.37138E-05	8.70772E-05	1.25225E-05	7.24266E-05	0.000126039
2081	8.99641E-05	9.3968E-05	2.03117E-05	7.8352E-05	0.000128621	9.078E-05	9.44272E-05	1.35814E-05	7.8352E-05	0.000123762
2082	0.000101463	0.000105981	2.28851E-05	8.58081E-05	0.0001274	0.000101494	0.000105535	1.59545E-05	8.58081E-05	0.000122403
2083	0.000113768	0.000118825	2.57945E-05	9.19098E-05	9.71712E-05	0.000112249	0.00011665	1.90813E-05	9.19098E-05	9.4246E-05
2084	0.000118055	0.000123296	2.68805E-05	9.33274E-05	6.87338E-05	0.000115724	0.000120227	2.0402E-05	9.33274E-05	6.86259E-05
2085	0.000115513	0.000120648	2.61791E-05	9.0211E-05	5.31374E-05	0.000112861	0.000117252	1.99315E-05	9.0211E-05	5.40126E-05
2086	0.000110854	0.000115829	2.43191E-05	8.46477E-05	3.89419E-05	0.000107816	0.000112048	1.82402E-05	8.46477E-05	4.15002E-05
2087	0.000100093	0.000104589	2.18768E-05	7.84856E-05	3.80436E-05	9.80865E-05	0.000101975	1.57876E-05	7.84856E-05	4.05019E-05
2088	8.92747E-05	9.32921E-05	1.93884E-05	7.32907E-05	3.753E-05	8.86676E-05	9.22404E-05	1.30437E-05	7.32907E-05	3.99316E-05
2089	7.57366E-05	7.91515E-05	1.63315E-05	6.5216E-05	3.75899E-05	7.63097E-05	7.944E-05	1.00514E-05	6.5216E-05	4.00003E-05
2090	7.30489E-05	7.63454E-05	1.57042E-05	6.49903E-05	3.77435E-05	7.4346E-05	7.74289E-05	9.09161E-06	6.49903E-05	4.01723E-05
2091	7.30065E-05	7.62999E-05	1.57156E-05	6.61151E-05	3.84433E-05	7.47037E-05	7.78171E-05	8.80339E-06	6.61151E-05	4.09529E-05
2092	7.65354E-05	7.99837E-05	1.65488E-05	7.02288E-05	4.00953E-05	7.86174E-05	8.19019E-05	9.09609E-06	7.02288E-05	4.27929E-05
2093	8.33969E-05	8.71468E-05	1.81636E-05	7.66989E-05	4.23223E-05	8.56928E-05	8.92665E-05	1.00516E-05	7.66989E-05	4.52703E-05
2094	9.05147E-05	9.458E-05	1.97951E-05	8.23283E-05	4.291E-05	9.26674E-05	9.65121E-05	1.12886E-05	8.23283E-05	4.53768E-05
2095	9.21516E-05	9.62605E-05	2.06727E-05	8.36782E-05	0.000133365	9.41781E-05	9.80404E-05	1.24278E-05	8.36782E-05	0.000129598
2096	8.78868E-05	9.17839E-05	2.00946E-05	7.97536E-05	0.000132723	8.9727E-05	9.33697E-05	1.26243E-05	7.97536E-05	0.000128333
2097	8.45156E-05	8.82683E-05	1.92341E-05	7.49437E-05	0.000133295	8.57008E-05	8.9158E-05	1.25242E-05	7.49437E-05	0.000128965
2098	8.32845E-05	8.69868E-05	1.88787E-05	7.22668E-05	0.000133601	8.39213E-05	8.72864E-05	1.26938E-05	7.22668E-05	0.000129302
2099	8.2699E-05	8.63802E-05	1.86602E-05	7.03845E-05	0.000134048	8.28776E-05	8.61839E-05	1.28954E-05	7.03845E-05	0.000129798
2100	8.0694E-05	8.42912E-05	1.8118E-05	6.83543E-05	0.00011951	8.07843E-05	8.40055E-05	1.26026E-05	6.83543E-05	0.000116359
2101	7.98835E-05	8.34456E-05	1.7916E-05	6.75043E-05	0.000119765	7.99221E-05	8.31072E-05	1.25038E-05	6.75043E-05	0.000116643
2102	7.76848E-05	8.11444E-05	1.75005E-05	6.66022E-05	0.000119307	7.8032E-05	8.11531E-05	1.19699E-05	6.66022E-05	0.000116134
2103	7.85182E-05	8.20105E-05	1.77672E-05	6.82177E-05	0.000132742	7.91592E-05	8.23357E-05	1.19235E-05	6.82177E-05	0.000128346
2104	8.26127E-05	8.62855E-05	1.87212E-05	7.20172E-05	0.000130661	8.3363E-05	8.67107E-05	1.25027E-05	7.20172E-05	0.000126032
2105	8.96223E-05	9.36121E-05	2.02162E-05	7.78909E-05	0.000128623	9.03838E-05	9.40134E-05	1.35588E-05	7.78909E-05	0.000123764
2106	0.000101093	0.000105594	2.27826E-05	8.53143E-05	0.000127403	0.000101066	0.000105088	1.5929E-05	8.53143E-05	0.000122407
2107	0.000113377	0.000118418	2.569E-05	9.1411E-05	9.71757E-05	0.000111804	0.000116186	1.90514E-05	9.1411E-05	9.42507E-05
2108	0.000117598	0.00012282	2.67576E-05	9.27397E-05	6.87441E-05	0.000115203	0.000119683	2.03677E-05	9.27397E-05	6.86371E-05
2109	0.000116562	0.000121762	2.61E-05	8.96843E-05	5.31573E-05	0.000113489	0.000117909	1.99469E-05	8.96843E-05	5.40342E-05
2110	0.000110233	0.000115181	2.41558E-05	8.38718E-05	3.89707E-05	0.000107114	0.000111316	1.81904E-05	8.38718E-05	4.15317E-05
2111	9.93096E-05	0.000103772	2.16812E-05	7.75699E-05	3.80758E-05	9.72206E-05	0.000101071	1.57158E-05	7.75699E-05	4.05371E-05
2112	8.88903E-05	9.28914E-05	1.92883E-05	7.28164E-05	3.76203E-05	8.82351E-05	9.1789E-05	1.3012E-05	7.28164E-05	4.00312E-05
2113	7.57366E-05	7.91515E-05	1.63315E-05	6.5216E-05	3.75899E-05	7.63097E-05	7.944E-05	1.00514E-05	6.5216E-05	4.00003E-05
2114	7.30489E-05	7.63454E-05	1.57042E-05	6.49903E-05	3.77435E-05	7.4346E-05	7.74289E-05	9.09161E-06	6.49903E-05	4.01723E-05
2115	7.30065E-05	7.62999E-05	1.57156E-05	6.61151E-05	3.84433E-05	7.47037E-05	7.78171E-05	8.80339E-06	6.61151E-05	4.09529E-05
2116	7.65354E-05	7.99837E-05	1.65488E-05	7.02288E-05	4.00953E-05	7.86174E-05	8.19019E-05	9.09609E-06	7.02288E-05	4.27929E-05
2117	8.33969E-05	8.71468E-05	1.81636E-05	7.66989E-05	4.23223E-05	8.56928E-05	8.92665E-05	1.00516E-05	7.66989E-05	4.52703E-05
2118	9.05147E-05	9.458E-05	1.97951E-05	8.23283E-05	4.291E-05	9.26674E-05	9.65121E-05	1.12886E-05	8.23283E-05	4.53768E-05
2119	9.21516E-05	9.62605E-05	2.06727E-05	8.36782E-05	0.000133365	9.41781E-05	9.80404E-05	1.24278E-05	8.36782E-05	0.000129598

2120	8.78868E-05	9.17839E-05	2.00946E-05	7.97536E-05	0.000132723	8.9727E-05	9.33697E-05	1.26243E-05	7.97536E-05	0.000128333
2121	8.45156E-05	8.82683E-05	1.92341E-05	7.49437E-05	0.000133295	8.57008E-05	8.9158E-05	1.25242E-05	7.49437E-05	0.000128965
2122	8.32845E-05	8.69868E-05	1.88787E-05	7.22668E-05	0.000133601	8.39213E-05	8.72864E-05	1.26938E-05	7.22668E-05	0.000129302
2123	8.2699E-05	8.63802E-05	1.86602E-05	7.03845E-05	0.000134048	8.28776E-05	8.61839E-05	1.28954E-05	7.03845E-05	0.000129798
2124	8.0694E-05	8.42912E-05	1.8118E-05	6.83543E-05	0.00011951	8.07843E-05	8.40055E-05	1.26026E-05	6.83543E-05	0.000116359
2125	7.98835E-05	8.34456E-05	1.7916E-05	6.75043E-05	0.000119765	7.99221E-05	8.31072E-05	1.25038E-05	6.75043E-05	0.000116643
2126	7.76848E-05	8.11444E-05	1.75005E-05	6.66022E-05	0.000119307	7.8032E-05	8.11531E-05	1.19699E-05	6.66022E-05	0.000116134
2127	7.85182E-05	8.20105E-05	1.77672E-05	6.82177E-05	0.000132742	7.91592E-05	8.23357E-05	1.19235E-05	6.82177E-05	0.000128346
2128	8.26127E-05	8.62855E-05	1.87212E-05	7.20172E-05	0.000130661	8.3363E-05	8.67107E-05	1.25027E-05	7.20172E-05	0.000126032
2129	8.96223E-05	9.36121E-05	2.02162E-05	7.78909E-05	0.000128623	9.03838E-05	9.40134E-05	1.35588E-05	7.78909E-05	0.000123764
2130	0.000101093	0.000105594	2.27826E-05	8.53143E-05	0.000127403	0.000101066	0.000105088	1.5929E-05	8.53143E-05	0.000122407
2131	0.000113377	0.000118418	2.569E-05	9.1411E-05	9.71757E-05	0.000111804	0.000116186	1.90514E-05	9.1411E-05	9.42507E-05
2132	0.000117598	0.00012282	2.67576E-05	9.27397E-05	6.87441E-05	0.000115203	0.000119683	2.03677E-05	9.27397E-05	6.86371E-05
2133	0.000116562	0.000121762	2.61E-05	8.96843E-05	5.31573E-05	0.000113489	0.000117909	1.99469E-05	8.96843E-05	5.40342E-05
2134	0.000110233	0.000115181	2.41558E-05	8.38718E-05	3.89707E-05	0.000107114	0.000111316	1.81904E-05	8.38718E-05	4.15317E-05
2135	9.93096E-05	0.000103772	2.16812E-05	7.75699E-05	3.80758E-05	9.72206E-05	0.000101071	1.57158E-05	7.75699E-05	4.05371E-05
2136	8.88903E-05	9.28914E-05	1.92883E-05	7.28164E-05	3.76203E-05	8.82351E-05	9.1789E-05	1.3012E-05	7.28164E-05	4.00312E-05
2137	7.57366E-05	7.91515E-05	1.63315E-05	6.5216E-05	3.75899E-05	7.63097E-05	7.944E-05	1.00514E-05	6.5216E-05	4.00003E-05
2138	7.30489E-05	7.63454E-05	1.57042E-05	6.49903E-05	3.77435E-05	7.4346E-05	7.74289E-05	9.09161E-06	6.49903E-05	4.01723E-05
2139	7.30065E-05	7.62999E-05	1.57156E-05	6.61151E-05	3.84433E-05	7.47037E-05	7.78171E-05	8.80339E-06	6.61151E-05	4.09529E-05
2140	7.65354E-05	7.99837E-05	1.65488E-05	7.02288E-05	4.00953E-05	7.86174E-05	8.19019E-05	9.09609E-06	7.02288E-05	4.27929E-05
2141	8.33969E-05	8.71468E-05	1.81636E-05	7.66989E-05	4.23223E-05	8.56928E-05	8.92665E-05	1.00516E-05	7.66989E-05	4.52703E-05
2142	9.05147E-05	9.458E-05	1.97951E-05	8.23283E-05	4.291E-05	9.26674E-05	9.65121E-05	1.12886E-05	8.23283E-05	4.53768E-05
2143	9.21516E-05	9.62605E-05	2.06727E-05	8.36782E-05	0.000133365	9.41781E-05	9.80404E-05	1.24278E-05	8.36782E-05	0.000129598
2144	8.78868E-05	9.17839E-05	2.00946E-05	7.97536E-05	0.000132723	8.9727E-05	9.33697E-05	1.26243E-05	7.97536E-05	0.000128333
2145	8.45156E-05	8.82683E-05	1.92341E-05	7.49437E-05	0.000133295	8.57008E-05	8.9158E-05	1.25242E-05	7.49437E-05	0.000128965
2146	8.32845E-05	8.69868E-05	1.88787E-05	7.22668E-05	0.000133601	8.39213E-05	8.72864E-05	1.26938E-05	7.22668E-05	0.000129302
2147	8.2699E-05	8.63802E-05	1.86602E-05	7.03845E-05	0.000134048	8.28776E-05	8.61839E-05	1.28954E-05	7.03845E-05	0.000129798
2148	8.0694E-05	8.42912E-05	1.8118E-05	6.83543E-05	0.00011951	8.07843E-05	8.40055E-05	1.26026E-05	6.83543E-05	0.000116359
2149	7.98835E-05	8.34456E-05	1.7916E-05	6.75043E-05	0.000119765	7.99221E-05	8.31072E-05	1.25038E-05	6.75043E-05	0.000116643
2150	7.76848E-05	8.11444E-05	1.75005E-05	6.66022E-05	0.000119307	7.8032E-05	8.11531E-05	1.19699E-05	6.66022E-05	0.000116134
2151	7.85182E-05	8.20105E-05	1.77672E-05	6.82177E-05	0.000132742	7.91592E-05	8.23357E-05	1.19235E-05	6.82177E-05	0.000128346
2152	8.26127E-05	8.62855E-05	1.87212E-05	7.20172E-05	0.000130661	8.3363E-05	8.67107E-05	1.25027E-05	7.20172E-05	0.000126032
2153	8.96223E-05	9.36121E-05	2.02162E-05	7.78909E-05	0.000128623	9.03838E-05	9.40134E-05	1.35588E-05	7.78909E-05	0.000123764
2154	0.000101093	0.000105594	2.27826E-05	8.53143E-05	0.000127403	0.000101066	0.000105088	1.5929E-05	8.53143E-05	0.000122407
2155	0.000113377	0.000118418	2.569E-05	9.1411E-05	9.71757E-05	0.000111804	0.000116186	1.90514E-05	9.1411E-05	9.42507E-05
2156	0.000117598	0.00012282	2.67576E-05	9.27397E-05	6.87441E-05	0.000115203	0.000119683	2.03677E-05	9.27397E-05	6.86371E-05
2157	0.000116562	0.000121762	2.61E-05	8.96843E-05	5.31573E-05	0.000113489	0.000117909	1.99469E-05	8.96843E-05	5.40342E-05
2158	0.000110233	0.000115181	2.41558E-05	8.38718E-05	3.89707E-05	0.000107114	0.000111316	1.81904E-05	8.38718E-05	4.15317E-05
2159	9.93096E-05	0.000103772	2.16812E-05	7.75699E-05	3.80758E-05	9.72206E-05	0.000101071	1.57158E-05	7.75699E-05	4.05371E-05
2160	8.88903E-05	9.28914E-05	1.92883E-05	7.28164E-05	3.76203E-05	8.82351E-05	9.1789E-05	1.3012E-05	7.28164E-05	4.00312E-05
2161	7.57366E-05	7.91515E-05	1.63315E-05	6.5216E-05	3.75899E-05	7.63097E-05	7.944E-05	1.00514E-05	6.5216E-05	4.00003E-05
2162	7.30489E-05	7.63454E-05	1.57042E-05	6.49903E-05	3.77435E-05	7.4346E-05	7.74289E-05	9.09161E-06	6.49903E-05	4.01723E-05
2163	7.30065E-05	7.62999E-05	1.57156E-05	6.61151E-05	3.84433E-05	7.47037E-05	7.78171E-05	8.80339E-06	6.61151E-05	4.09529E-05
2164	7.65354E-05	7.99837E-05	1.65488E-05	7.02288E-05	4.00953E-05	7.86174E-05	8.19019E-05	9.09609E-06	7.02288E-05	4.27929E-05
2165	8.33969E-05	8.71468E-05	1.81636E-05	7.66989E-05	4.23223E-05	8.56928E-05	8.92665E-05	1.00516E-05	7.66989E-05	4.52703E-05
2166	9.05147E-05	9.458E-05	1.97951E-05	8.23283E-05	4.291E-05	9.26674E-05	9.65121E-05	1.12886E-05	8.23283E-05	4.53768E-05
2167	9.21516E-05	9.62605E-05	2.06727E-05	8.36782E-05	0.000133365	9.41781E-05	9.80404E-05	1.24278E-05	8.36782E-05	0.000129598
2168	8.78868E-05	9.17839E-05	2.00946E-05	7.97536E-05	0.000132723	8.9727E-05	9.33697E-05	1.26243E-05	7.97536E-05	0.000128333
2169	8.45156E-05	8.82683E-05	1.92341E-05	7.49437E-05	0.000133295	8.57008E-05	8.9158E-05	1.25242E-05	7.49437E-05	0.000128965
2170	8.32845E-05	8.69868E-05	1.88787E-05	7.22668E-05	0.000133601	8.39213E-05	8.72864E-05	1.26938E-05	7.22668E-05	0.000129302
2171	8.2699E-05	8.63802E-05	1.86602E-05	7.03845E-05	0.000134048	8.28776E-05	8.61839E-05	1.28954E-05	7.03845E-05	0.000129798
2172	8.0694E-05	8.42912E-05	1.8118E-05	6.83543E-05	0.00011951	8.07843E-05	8.40055E-05	1.26026E-05	6.83543E-05	0.000116359
2173	7.98835E-05	8.34456E-05	1.7916E-05	6.75043E-05	0.000119765	7.99221E-05	8.31072E-05	1.25038E-05	6.75043E-05	0.000116643
2174	7.76848E-05	8.11444E-05	1.75005E-05	6.66022E-05	0.000119307	7.8032E-05	8.11531E-05	1.19699E-05	6.66022E-05	0.000116134
2175	7.85182E-05	8.20105E-05	1.77672E-05	6.82177E-05	0.000132742	7.91592E-05	8.23357E-05	1.19235E-05	6.82177E-05	0.000128346
2176	8.26127E-05	8.62855E-05	1.87212E-05	7.20172E-05	0.000130661	8.3363E-05	8.67107E-05	1.25027E-05	7.20172E-05	0.000126032
2177	8.96223E-05	9.36121E-05	2.02162E-05	7.78909E-05	0.000128623	9.03838E-05	9.40134E-05	1.35588E-05	7.78909E-05	0.000123764
2178	0.000101093	0.000105594	2.27826E-05	8.53143E-05	0.000127403	0.000101066	0.000105088	1.5929E-05	8.53143E-05	0.000122407
2179	0.000113377	0.000118418	2.569E-05	9.1411E-05	9.71757E-05	0.000111804	0.000116186	1.90514E-05	9.1411E-05	9.42507E-05
2180	0.000117598	0.00012282	2.67576E-05	9.27397E-05	6.87441E-05	0.000115203	0.000119683	2.03677E-05	9.27397E-05	6.86371E-05
2181	0.000116562	0.000121762	2.61E-05	8.96843E-05	5.31573E-05	0.000113489	0.000117909	1.99469E-05	8.96843E-05	5.40342E-05
2182	0.000110233	0.000115181	2.41558E-05	8.38718E-05	3.89707E-05	0.000107114	0.000111316	1.81904E-05	8.38718E-05	4.15317E-05
2183	9.93096E-05	0.000103772	2.16812E-05	7.75699E-05	3.80758E-05	9.72206E-05	0.000101071	1.57158E-05	7.75699E-05	4.05371E-05
2184	8.88903E-05	9.28914E-05	1.92883E-05	7.28164E-05	3.76203E-05	8.82351E-05	9.1789E-05	1.3012E-05	7.28164E-05	4.00312E-05
2185	6.39637E-05	6.68783E-05	1.32608E-05	5.06589E-05	3.75553E-05	6.30564E-05	6.56063E-05	9.08438E-06	5.06589E-05	3.99566E-05
2186	6.13689E-05	6.41704E-05	1.26346E-05	5.04065E-05	3.79106E-05	6.11553E-05	6.36594E-05	8.15217E-06	5.04065E-05	4.03545E-05
2187	6.19949E-05	6.48213E-05	1.28265E-05	5.23953E-05	3.89749E-05	6.22765E-05	6.48448E-05	7.91356E-06	5.23953E-05	4.15418E-05
2188	6.65847E-05	6.96129E-05	1.39064E-05	5.76374E-05	4.10903E-05	6.73301E-05	7.0118E-05	8.31927E-06	5.76374E-05	4.38971E-05
2189	7.32307E-05	7.65585E-05	1.53403E-05	6.30784E-05	4.32778E-05	7.39365E-05	7.69872E-05	9.36465E-06	6.30784E-05	4.63299E-05
2190	7.83832E-05	8.19458E-05	1.64071E-05	6.59597E-05	4.36808E-05	7.86042E-05	8.18225E-05	1.0485E-05	6.59597E-05	4.62291E-05
2191	7.81292E-05	8.16523E-05	1.6841E-05	6.52738E-05	0.000134237	7.8076E-05	8.12249E-05	1.14263E-05	6.52738E-05	0.000130563
2192	7.39005E-05	7.72029E-05	1.64536E-05	6.25023E-05	0.000133401	7.39947E-05	7.69487E-05	1.14695E-05	6.25023E-05	0.000129084
2193	7.17519E-05	7.49598E-05	1.59471E-05	5.94189E-05	0.000133802	7.14086E-05	7.42418E-05	1.14395E-05	5.94189E-05	0.000129526
2194	7.1454E-05	7.46511E-05	1.5838E-05	5.7913E-05	0.000134019	7.06847E-05	7.34722E-05	1.16834E-05	5.7913E-05	0.000129763
2195	7.14304E-05	7.46278E-05	1.58082E-05	5.69836E-05	0.000134194	7.03502E-05	7.31119E-05	1.18947E-05	5.69836E-05	0.000129956

2196	6.94753E-05	7.2586E-05	1.53631E-05	5.55296E-05	0.000119755	6.84658E-05	7.11556E-05	1.15335E-05	5.55296E-05	0.000116625
2197	6.78928E-05	7.09331E-05	1.50044E-05	5.39978E-05	0.000119575	6.68156E-05	6.94369E-05	1.13328E-05	5.39978E-05	0.000116424
2198	6.76962E-05	7.07315E-05	1.48943E-05	5.42458E-05	0.000118606	6.67858E-05	6.94142E-05	1.11502E-05	5.42458E-05	0.000115346
2199	7.10058E-05	7.41924E-05	1.55712E-05	5.74824E-05	0.000131567	7.02727E-05	7.30489E-05	1.15104E-05	5.74824E-05	0.000127032
2200	7.6609E-05	8.00485E-05	1.67759E-05	6.22743E-05	0.000129599	7.59156E-05	7.89194E-05	1.23366E-05	6.22743E-05	0.000124844
2201	8.18124E-05	8.54888E-05	1.78572E-05	6.62656E-05	0.000127992	8.10074E-05	8.42112E-05	1.31948E-05	6.62656E-05	0.000123059
2202	9.00219E-05	9.40626E-05	1.9731E-05	7.06222E-05	0.000127045	8.83053E-05	9.1761E-05	1.51612E-05	7.06222E-05	0.000122008
2203	0.00010077	0.00010528	2.23044E-05	7.52275E-05	9.68702E-05	9.74351E-05	0.000101183	1.80997E-05	7.52275E-05	9.39095E-05
2204	0.000104652	0.000109326	2.33539E-05	7.65666E-05	6.83987E-05	0.00010058	0.000104419	1.93277E-05	7.65666E-05	6.82492E-05
2205	0.00010299	0.000107614	2.25653E-05	7.29344E-05	5.27441E-05	9.82202E-05	0.000101971	1.88277E-05	7.29344E-05	5.35686E-05
2206	9.57411E-05	0.000100064	2.05386E-05	6.69468E-05	3.85143E-05	9.10952E-05	9.46024E-05	1.68598E-05	6.69468E-05	4.1018E-05
2207	8.40852E-05	8.78887E-05	1.79187E-05	6.00193E-05	3.791E-05	8.04602E-05	8.35866E-05	1.42856E-05	6.00193E-05	4.03471E-05
2208	7.41908E-05	7.75584E-05	1.56096E-05	5.55898E-05	3.76468E-05	7.19691E-05	7.48179E-05	1.16707E-05	5.55898E-05	4.00562E-05
2209	6.36836E-05	6.65866E-05	1.31821E-05	5.02776E-05	3.75639E-05	6.27307E-05	6.52661E-05	9.06629E-06	5.02776E-05	3.99658E-05
2210	6.11179E-05	6.39091E-05	1.25614E-05	5.00487E-05	3.79235E-05	6.08586E-05	6.33493E-05	8.13825E-06	5.00487E-05	4.03684E-05
2211	6.17919E-05	6.46103E-05	1.27641E-05	5.20861E-05	3.89842E-05	6.20307E-05	6.45879E-05	7.90511E-06	5.20861E-05	4.15516E-05
2212	6.64038E-05	6.94254E-05	1.38399E-05	5.72958E-05	4.11018E-05	6.70914E-05	6.9868E-05	8.32104E-06	5.72958E-05	4.39098E-05
2213	7.31468E-05	7.64723E-05	1.52963E-05	6.28395E-05	4.33121E-05	7.38019E-05	7.68456E-05	9.37681E-06	6.28395E-05	4.63679E-05
2214	7.82817E-05	8.1841E-05	1.63641E-05	6.57333E-05	4.37342E-05	7.846E-05	8.16712E-05	1.04909E-05	6.57333E-05	4.62882E-05
2215	7.95779E-05	8.31831E-05	1.68625E-05	6.5219E-05	0.000134282	7.91473E-05	8.23443E-05	1.14777E-05	6.5219E-05	0.000130613
2216	7.36556E-05	7.69476E-05	1.6388E-05	6.21887E-05	0.000133483	7.37158E-05	7.66574E-05	1.14508E-05	6.21887E-05	0.000129176
2217	7.14724E-05	7.46686E-05	1.58719E-05	5.90593E-05	0.000133937	7.10898E-05	7.3909E-05	1.14185E-05	5.90593E-05	0.000129676
2218	7.12387E-05	7.44267E-05	1.57796E-05	5.76335E-05	0.000134162	7.04384E-05	7.3215E-05	1.16675E-05	5.76335E-05	0.000129922
2219	7.1221E-05	7.44096E-05	1.5752E-05	5.67144E-05	0.000134351	7.01114E-05	7.28626E-05	1.18789E-05	5.67144E-05	0.00013013
2220	6.93269E-05	7.24316E-05	1.53187E-05	5.5311E-05	0.000119848	6.82884E-05	7.09701E-05	1.15263E-05	5.5311E-05	0.000116728
2221	6.77534E-05	7.07882E-05	1.49613E-05	5.3784E-05	0.000119661	6.66464E-05	6.92599E-05	1.13272E-05	5.3784E-05	0.000116519
2222	6.76008E-05	7.06324E-05	1.48632E-05	5.409E-05	0.000118687	6.66672E-05	6.92902E-05	1.11478E-05	5.409E-05	0.000115435
2223	7.08567E-05	7.40371E-05	1.55305E-05	5.72873E-05	0.000131627	7.01017E-05	7.28703E-05	1.14996E-05	5.72873E-05	0.000127097
2224	7.65256E-05	7.99617E-05	1.67499E-05	6.21451E-05	0.000129627	7.58139E-05	7.88131E-05	1.23335E-05	6.21451E-05	0.000124875
2225	8.18865E-05	8.55658E-05	1.78802E-05	6.63795E-05	0.000127995	8.10974E-05	8.43053E-05	1.31978E-05	6.63795E-05	0.000123062
2226	9.00827E-05	9.41258E-05	1.97498E-05	7.07154E-05	0.000127041	8.83791E-05	9.18381E-05	1.51636E-05	7.07154E-05	0.000122003
2227	0.000100821	0.000105334	2.23126E-05	7.52593E-05	9.68558E-05	9.74832E-05	0.000101233	1.81083E-05	7.52593E-05	9.38936E-05
2228	0.000104723	0.0001094	2.33579E-05	7.65658E-05	6.8397E-05	0.000100633	0.000104473	1.93458E-05	7.65658E-05	6.82476E-05
2229	0.000101393	0.000105929	2.24944E-05	7.27405E-05	5.27227E-05	9.69626E-05	0.000100657	1.87734E-05	7.27405E-05	5.35452E-05
2230	9.57546E-05	0.000100079	2.05362E-05	6.69276E-05	3.84968E-05	9.10998E-05	9.4607E-05	1.68659E-05	6.69276E-05	4.09989E-05
2231	8.41422E-05	8.79486E-05	1.79278E-05	6.00545E-05	3.78905E-05	8.05139E-05	8.36424E-05	1.42953E-05	6.00545E-05	4.03257E-05
2232	7.4227E-05	7.75962E-05	1.56166E-05	5.56195E-05	3.76157E-05	7.20054E-05	7.48557E-05	1.16758E-05	5.56195E-05	4.00219E-05
2233	6.36836E-05	6.65866E-05	1.31821E-05	5.02776E-05	3.75639E-05	6.27307E-05	6.52661E-05	9.06629E-06	5.02776E-05	3.99658E-05
2234	6.11179E-05	6.39091E-05	1.25614E-05	5.00487E-05	3.79235E-05	6.08586E-05	6.33493E-05	8.13825E-06	5.00487E-05	4.03684E-05
2235	6.17919E-05	6.46103E-05	1.27641E-05	5.20861E-05	3.89842E-05	6.20307E-05	6.45879E-05	7.90511E-06	5.20861E-05	4.15516E-05
2236	6.64038E-05	6.94254E-05	1.38399E-05	5.72958E-05	4.11018E-05	6.70914E-05	6.9868E-05	8.32104E-06	5.72958E-05	4.39098E-05
2237	7.31468E-05	7.64723E-05	1.52963E-05	6.28395E-05	4.33121E-05	7.38019E-05	7.68456E-05	9.37681E-06	6.28395E-05	4.63679E-05
2238	7.82817E-05	8.1841E-05	1.63641E-05	6.57333E-05	4.37342E-05	7.846E-05	8.16712E-05	1.04909E-05	6.57333E-05	4.62882E-05
2239	7.95779E-05	8.31831E-05	1.68625E-05	6.5219E-05	0.000134282	7.91473E-05	8.23443E-05	1.14777E-05	6.5219E-05	0.000130613
2240	7.36556E-05	7.69476E-05	1.6388E-05	6.21887E-05	0.000133483	7.37158E-05	7.66574E-05	1.14508E-05	6.21887E-05	0.000129176
2241	7.14724E-05	7.46686E-05	1.58719E-05	5.90593E-05	0.000133937	7.10898E-05	7.3909E-05	1.14185E-05	5.90593E-05	0.000129676
2242	7.12387E-05	7.44267E-05	1.57796E-05	5.76335E-05	0.000134162	7.04384E-05	7.3215E-05	1.16675E-05	5.76335E-05	0.000129922
2243	7.1221E-05	7.44096E-05	1.5752E-05	5.67144E-05	0.000134351	7.01114E-05	7.28626E-05	1.18789E-05	5.67144E-05	0.00013013
2244	6.93269E-05	7.24316E-05	1.53187E-05	5.5311E-05	0.000119848	6.82884E-05	7.09701E-05	1.15263E-05	5.5311E-05	0.000116728
2245	6.77534E-05	7.07882E-05	1.49613E-05	5.3784E-05	0.000119661	6.66464E-05	6.92599E-05	1.13272E-05	5.3784E-05	0.000116519
2246	6.76008E-05	7.06324E-05	1.48632E-05	5.409E-05	0.000118687	6.66672E-05	6.92902E-05	1.11478E-05	5.409E-05	0.000115435
2247	7.08567E-05	7.40371E-05	1.55305E-05	5.72873E-05	0.000131627	7.01017E-05	7.28703E-05	1.14996E-05	5.72873E-05	0.000127097
2248	7.65256E-05	7.99617E-05	1.67499E-05	6.21451E-05	0.000129627	7.58139E-05	7.88131E-05	1.23335E-05	6.21451E-05	0.000124875
2249	8.18865E-05	8.55658E-05	1.78802E-05	6.63795E-05	0.000127995	8.10974E-05	8.43053E-05	1.31978E-05	6.63795E-05	0.000123062
2250	9.00827E-05	9.41258E-05	1.97498E-05	7.07154E-05	0.000127041	8.83791E-05	9.18381E-05	1.51636E-05	7.07154E-05	0.000122003
2251	0.000100821	0.000105334	2.23126E-05	7.52593E-05	9.68558E-05	9.74832E-05	0.000101233	1.81083E-05	7.52593E-05	9.38936E-05
2252	0.000104723	0.0001094	2.33579E-05	7.65658E-05	6.8397E-05	0.000100633	0.000104473	1.93458E-05	7.65658E-05	6.82476E-05
2253	0.000101393	0.000105929	2.24944E-05	7.27405E-05	5.27227E-05	9.69626E-05	0.000100657	1.87734E-05	7.27405E-05	5.35452E-05
2254	9.57546E-05	0.000100079	2.05362E-05	6.69276E-05	3.84968E-05	9.10998E-05	9.4607E-05	1.68659E-05	6.69276E-05	4.09989E-05
2255	8.41422E-05	8.79486E-05	1.79278E-05	6.00545E-05	3.78905E-05	8.05139E-05	8.36424E-05	1.42953E-05	6.00545E-05	4.03257E-05
2256	7.4227E-05	7.75962E-05	1.56166E-05	5.56195E-05	3.76157E-05	7.20054E-05	7.48557E-05	1.16758E-05	5.56195E-05	4.00219E-05
2257	6.39637E-05	6.68783E-05	1.32608E-05	5.06589E-05	3.75553E-05	6.30564E-05	6.56063E-05	9.08438E-06	5.06589E-05	3.99566E-05
2258	6.13689E-05	6.41704E-05	1.26346E-05	5.04065E-05	3.79106E-05	6.11553E-05	6.36594E-05	8.15217E-06	5.04065E-05	4.03545E-05
2259	6.19949E-05	6.48213E-05	1.28265E-05	5.23953E-05	3.89749E-05	6.22765E-05	6.48448E-05	7.91356E-06	5.23953E-05	4.15418E-05
2260	6.65847E-05	6.96129E-05	1.39064E-05	5.76374E-05	4.10903E-05	6.73301E-05	7.0118E-05	8.31927E-06	5.76374E-05	4.38971E-05
2261	7.32307E-05	7.65585E-05	1.53403E-05	6.30784E-05	4.32778E-05	7.39365E-05	7.69872E-05	9.36465E-06	6.30784E-05	4.63299E-05
2262	7.83832E-05	8.19458E-05	1.64071E-05	6.59597E-05	4.36808E-05	7.86042E-05	8.18225E-05	1.0485E-05	6.59597E-05	4.62291E-05
2263	7.81292E-05	8.16523E-05	1.6841E-05	6.52738E-05	0.000134237	7.8076E-05	8.12249E-05	1.14263E-05	6.52738E-05	0.000130563
2264	7.39005E-05	7.72029E-05	1.64536E-05	6.25023E-05	0.000133401	7.39947E-05	7.69487E-05	1.14695E-05	6.25023E-05	0.000129084
2265	7.17519E-05	7.49598E-05	1.59471E-05	5.94189E-05	0.000133802	7.14086E-05	7.42418E-05	1.14395E-05	5.94189E-05	0.000129526
2266	7.1454E-05	7.46511E-05	1.5838E-05	5.7913E-05	0.000134019	7.06847E-05	7.34722E-05	1.16834E-05	5.7913E-05	0.000129763
2267	7.14304E-05	7.46278E-05	1.58082E-05	5.69836E-05	0.000134194	7.03502E-05	7.31119E-05	1.18947E-05	5.69836E-05	0.000129956
2268	6.94753E-05	7.2586E-05	1.53631E-05	5.55296E-05	0.000119755	6.84658E-05	7.11556E-05	1.15335E-05	5.55296E-05	0.000116625
2269	6.78928E-05	7.09331E-05	1.50044E-05	5.39978E-05	0.000119575	6.68156E-05	6.94369E-05	1.13328E-05	5.39978E-05	0.000116424
2270	6.76962E-05	7.07315E-05	1.48943E-05	5.42458E-05	0.000118606	6.67858E-05	6.94142E-05	1.11502E-05	5.42458E-05	0.000115346
2271	7.10058E-05	7.41924E-05	1.55712E-05	5.74824E-05	0.000131567	7.02727E-05	7.30489E-05	1.15104E-05	5.74824E-05	0.000127032

2272	7.6609E-05	8.00485E-05	1.67759E-05	6.22743E-05	0.000129599	7.59156E-05	7.89194E-05	1.23366E-05	6.22743E-05	0.000124844
2273	8.18124E-05	8.54888E-05	1.78572E-05	6.62656E-05	0.000127992	8.10074E-05	8.42112E-05	1.31948E-05	6.62656E-05	0.000123059
2274	9.00219E-05	9.40626E-05	1.9731E-05	7.06222E-05	0.000127045	8.83053E-05	9.1761E-05	1.51612E-05	7.06222E-05	0.000122008
2275	0.00010077	0.00010528	2.23044E-05	7.52275E-05	9.68702E-05	9.74351E-05	0.000101183	1.80997E-05	7.52275E-05	9.39095E-05
2276	0.000104652	0.000109326	2.33539E-05	7.65666E-05	6.83987E-05	0.00010058	0.000104419	1.93277E-05	7.65666E-05	6.82492E-05
2277	0.00010299	0.000107614	2.25653E-05	7.29344E-05	5.27441E-05	9.82202E-05	0.000101971	1.88277E-05	7.29344E-05	5.35686E-05
2278	9.57411E-05	0.000100064	2.05386E-05	6.69468E-05	3.85143E-05	9.10952E-05	9.46024E-05	1.68598E-05	6.69468E-05	4.1018E-05
2279	8.40852E-05	8.78887E-05	1.79187E-05	6.00193E-05	3.791E-05	8.04602E-05	8.35866E-05	1.42856E-05	6.00193E-05	4.03471E-05
2280	7.41908E-05	7.75584E-05	1.56096E-05	5.55898E-05	3.76468E-05	7.19691E-05	7.48179E-05	1.16707E-05	5.55898E-05	4.00562E-05
2281	6.39637E-05	6.68783E-05	1.32608E-05	5.06589E-05	3.75553E-05	6.30564E-05	6.56063E-05	9.08438E-06	5.06589E-05	3.99566E-05
2282	6.13689E-05	6.41704E-05	1.26346E-05	5.04065E-05	3.79106E-05	6.11553E-05	6.36594E-05	8.15217E-06	5.04065E-05	4.03545E-05
2283	6.19949E-05	6.48213E-05	1.28265E-05	5.23953E-05	3.89749E-05	6.22765E-05	6.48448E-05	7.91356E-06	5.23953E-05	4.15418E-05
2284	6.65847E-05	6.96129E-05	1.39064E-05	5.76374E-05	4.10903E-05	6.73301E-05	7.0118E-05	8.31927E-06	5.76374E-05	4.38971E-05
2285	7.32307E-05	7.65585E-05	1.53403E-05	6.30784E-05	4.32778E-05	7.39365E-05	7.69872E-05	9.36465E-06	6.30784E-05	4.63299E-05
2286	7.83832E-05	8.19458E-05	1.64071E-05	6.59597E-05	4.36808E-05	7.86042E-05	8.18225E-05	1.0485E-05	6.59597E-05	4.62291E-05
2287	7.81292E-05	8.16523E-05	1.6841E-05	6.52738E-05	0.000134237	7.8076E-05	8.12249E-05	1.14263E-05	6.52738E-05	0.000130563
2288	7.39005E-05	7.72029E-05	1.64536E-05	6.25023E-05	0.000133401	7.39947E-05	7.69487E-05	1.14695E-05	6.25023E-05	0.000129084
2289	7.17519E-05	7.49598E-05	1.59471E-05	5.94189E-05	0.000133802	7.14086E-05	7.42418E-05	1.14395E-05	5.94189E-05	0.000129526
2290	7.1454E-05	7.46511E-05	1.5838E-05	5.7913E-05	0.000134019	7.06847E-05	7.34722E-05	1.16834E-05	5.7913E-05	0.000129763
2291	7.14304E-05	7.46278E-05	1.58082E-05	5.69836E-05	0.000134194	7.03502E-05	7.31119E-05	1.18947E-05	5.69836E-05	0.000129956
2292	6.94753E-05	7.2586E-05	1.53631E-05	5.55296E-05	0.000119755	6.84658E-05	7.11556E-05	1.15335E-05	5.55296E-05	0.000116625
2293	6.78928E-05	7.09331E-05	1.50044E-05	5.39978E-05	0.000119575	6.68156E-05	6.94369E-05	1.13328E-05	5.39978E-05	0.000116424
2294	6.76962E-05	7.07315E-05	1.48943E-05	5.42458E-05	0.000118606	6.67858E-05	6.94142E-05	1.11502E-05	5.42458E-05	0.000115346
2295	7.10058E-05	7.41924E-05	1.55712E-05	5.74824E-05	0.000131567	7.02727E-05	7.30489E-05	1.15104E-05	5.74824E-05	0.000127032
2296	7.6609E-05	8.00485E-05	1.67759E-05	6.22743E-05	0.000129599	7.59156E-05	7.89194E-05	1.23366E-05	6.22743E-05	0.000124844
2297	8.18124E-05	8.54888E-05	1.78572E-05	6.62656E-05	0.000127992	8.10074E-05	8.42112E-05	1.31948E-05	6.62656E-05	0.000123059
2298	9.00219E-05	9.40626E-05	1.9731E-05	7.06222E-05	0.000127045	8.83053E-05	9.1761E-05	1.51612E-05	7.06222E-05	0.000122008
2299	0.00010077	0.00010528	2.23044E-05	7.52275E-05	9.68702E-05	9.74351E-05	0.000101183	1.80997E-05	7.52275E-05	9.39095E-05
2300	0.000104652	0.000109326	2.33539E-05	7.65666E-05	6.83987E-05	0.00010058	0.000104419	1.93277E-05	7.65666E-05	6.82492E-05
2301	0.00010299	0.000107614	2.25653E-05	7.29344E-05	5.27441E-05	9.82202E-05	0.000101971	1.88277E-05	7.29344E-05	5.35686E-05
2302	9.57411E-05	0.000100064	2.05386E-05	6.69468E-05	3.85143E-05	9.10952E-05	9.46024E-05	1.68598E-05	6.69468E-05	4.1018E-05
2303	8.40852E-05	8.78887E-05	1.79187E-05	6.00193E-05	3.791E-05	8.04602E-05	8.35866E-05	1.42856E-05	6.00193E-05	4.03471E-05
2304	7.41908E-05	7.75584E-05	1.56096E-05	5.55898E-05	3.76468E-05	7.19691E-05	7.48179E-05	1.16707E-05	5.55898E-05	4.00562E-05
2305	6.39637E-05	6.68783E-05	1.32608E-05	5.06589E-05	3.75553E-05	6.30564E-05	6.56063E-05	9.08438E-06	5.06589E-05	3.99566E-05
2306	6.13689E-05	6.41704E-05	1.26346E-05	5.04065E-05	3.79106E-05	6.11553E-05	6.36594E-05	8.15217E-06	5.04065E-05	4.03545E-05
2307	6.19949E-05	6.48213E-05	1.28265E-05	5.23953E-05	3.89749E-05	6.22765E-05	6.48448E-05	7.91356E-06	5.23953E-05	4.15418E-05
2308	6.65847E-05	6.96129E-05	1.39064E-05	5.76374E-05	4.10903E-05	6.73301E-05	7.0118E-05	8.31927E-06	5.76374E-05	4.38971E-05
2309	7.32307E-05	7.65585E-05	1.53403E-05	6.30784E-05	4.32778E-05	7.39365E-05	7.69872E-05	9.36465E-06	6.30784E-05	4.63299E-05
2310	7.83832E-05	8.19458E-05	1.64071E-05	6.59597E-05	4.36808E-05	7.86042E-05	8.18225E-05	1.0485E-05	6.59597E-05	4.62291E-05
2311	7.81292E-05	8.16523E-05	1.6841E-05	6.52738E-05	0.000134237	7.8076E-05	8.12249E-05	1.14263E-05	6.52738E-05	0.000130563
2312	7.39005E-05	7.72029E-05	1.64536E-05	6.25023E-05	0.000133401	7.39947E-05	7.69487E-05	1.14695E-05	6.25023E-05	0.000129084
2313	7.17519E-05	7.49598E-05	1.59471E-05	5.94189E-05	0.000133802	7.14086E-05	7.42418E-05	1.14395E-05	5.94189E-05	0.000129526
2314	7.1454E-05	7.46511E-05	1.5838E-05	5.7913E-05	0.000134019	7.06847E-05	7.34722E-05	1.16834E-05	5.7913E-05	0.000129763
2315	7.14304E-05	7.46278E-05	1.58082E-05	5.69836E-05	0.000134194	7.03502E-05	7.31119E-05	1.18947E-05	5.69836E-05	0.000129956
2316	6.94753E-05	7.2586E-05	1.53631E-05	5.55296E-05	0.000119755	6.84658E-05	7.11556E-05	1.15335E-05	5.55296E-05	0.000116625
2317	6.78928E-05	7.09331E-05	1.50044E-05	5.39978E-05	0.000119575	6.68156E-05	6.94369E-05	1.13328E-05	5.39978E-05	0.000116424
2318	6.76962E-05	7.07315E-05	1.48943E-05	5.42458E-05	0.000118606	6.67858E-05	6.94142E-05	1.11502E-05	5.42458E-05	0.000115346
2319	7.10058E-05	7.41924E-05	1.55712E-05	5.74824E-05	0.000131567	7.02727E-05	7.30489E-05	1.15104E-05	5.74824E-05	0.000127032
2320	7.6609E-05	8.00485E-05	1.67759E-05	6.22743E-05	0.000129599	7.59156E-05	7.89194E-05	1.23366E-05	6.22743E-05	0.000124844
2321	8.18124E-05	8.54888E-05	1.78572E-05	6.62656E-05	0.000127992	8.10074E-05	8.42112E-05	1.31948E-05	6.62656E-05	0.000123059
2322	9.00219E-05	9.40626E-05	1.9731E-05	7.06222E-05	0.000127045	8.83053E-05	9.1761E-05	1.51612E-05	7.06222E-05	0.000122008
2323	0.00010077	0.00010528	2.23044E-05	7.52275E-05	9.68702E-05	9.74351E-05	0.000101183	1.80997E-05	7.52275E-05	9.39095E-05
2324	0.000104652	0.000109326	2.33539E-05	7.65666E-05	6.83987E-05	0.00010058	0.000104419	1.93277E-05	7.65666E-05	6.82492E-05
2325	0.00010299	0.000107614	2.25653E-05	7.29344E-05	5.27441E-05	9.82202E-05	0.000101971	1.88277E-05	7.29344E-05	5.35686E-05
2326	9.57411E-05	0.000100064	2.05386E-05	6.69468E-05	3.85143E-05	9.10952E-05	9.46024E-05	1.68598E-05	6.69468E-05	4.1018E-05
2327	8.40852E-05	8.78887E-05	1.79187E-05	6.00193E-05	3.791E-05	8.04602E-05	8.35866E-05	1.42856E-05	6.00193E-05	4.03471E-05
2328	7.41908E-05	7.75584E-05	1.56096E-05	5.55898E-05	3.76468E-05	7.19691E-05	7.48179E-05	1.16707E-05	5.55898E-05	4.00562E-05
2329	6.39637E-05	6.68783E-05	1.32608E-05	5.06589E-05	3.75553E-05	6.30564E-05	6.56063E-05	9.08438E-06	5.06589E-05	3.99566E-05
2330	6.13689E-05	6.41704E-05	1.26346E-05	5.04065E-05	3.79106E-05	6.11553E-05	6.36594E-05	8.15217E-06	5.04065E-05	4.03545E-05
2331	6.19949E-05	6.48213E-05	1.28265E-05	5.23953E-05	3.89749E-05	6.22765E-05	6.48448E-05	7.91356E-06	5.23953E-05	4.15418E-05
2332	6.65847E-05	6.96129E-05	1.39064E-05	5.76374E-05	4.10903E-05	6.73301E-05	7.0118E-05	8.31927E-06	5.76374E-05	4.38971E-05
2333	7.32307E-05	7.65585E-05	1.53403E-05	6.30784E-05	4.32778E-05	7.39365E-05	7.69872E-05	9.36465E-06	6.30784E-05	4.63299E-05
2334	7.83832E-05	8.19458E-05	1.64071E-05	6.59597E-05	4.36808E-05	7.86042E-05	8.18225E-05	1.0485E-05	6.59597E-05	4.62291E-05
2335	7.81292E-05	8.16523E-05	1.6841E-05	6.52738E-05	0.000134237	7.8076E-05	8.12249E-05	1.14263E-05	6.52738E-05	0.000130563
2336	7.39005E-05	7.72029E-05	1.64536E-05	6.25023E-05	0.000133401	7.39947E-05	7.69487E-05	1.14695E-05	6.25023E-05	0.000129084
2337	7.17519E-05	7.49598E-05	1.59471E-05	5.94189E-05	0.000133802	7.14086E-05	7.42418E-05	1.14395E-05	5.94189E-05	0.000129526
2338	7.1454E-05	7.46511E-05	1.5838E-05	5.7913E-05	0.000134019	7.06847E-05	7.34722E-05	1.16834E-05	5.7913E-05	0.000129763
2339	7.14304E-05	7.46278E-05	1.58082E-05	5.69836E-05	0.000134194	7.03502E-05	7.31119E-05	1.18947E-05	5.69836E-05	0.000129956
2340	6.94753E-05	7.2586E-05	1.53631E-05	5.55296E-05	0.000119755	6.84658E-05	7.11556E-05	1.15335E-05	5.55296E-05	0.000116625
2341	6.78928E-05	7.09331E-05	1.50044E-05	5.39978E-05	0.000119575	6.68156E-05	6.94369E-05	1.13328E-05	5.39978E-05	0.000116424
2342	6.76962E-05	7.07315E-05	1.48943E-05	5.42458E-05	0.000118606	6.67858E-05	6.94142E-05	1.11502E-05	5.42458E-05	0.000115346
2343	7.10058E-05	7.41924E-05	1.55712E-05	5.74824E-05	0.000131567	7.02727E-05	7.30489E-05	1.15104E-05	5.74824E-05	0.000127032
2344	7.6609E-05	8.00485E-05	1.67759E-05	6.22743E-05	0.000129599	7.59156E-05	7.89194E-05	1.23366E-05	6.22743E-05	0.000124844
2345	8.18124E-05	8.54888E-05	1.78572E-05	6.62656E-05	0.000127992	8.10074E-05	8.42112E-05	1.31948E-05	6.62656E-05	0.000123059
2346	9.00219E-05	9.40626E-05	1.9731E-05	7.06222E-05	0.000127045	8.83053E-05	9.1761E-05	1.51612E-05	7.06222E-05	0.000122008
2347	0.00010077	0.00010528	2.23044E-05	7.52275E-05	9.68702E-05	9.74351E-05	0.000101183	1.80997E-05	7.52275E-05	9.39095E-05

2348	0.000104652	0.000109326	2.33539E-05	7.65666E-05	6.83987E-05	0.00010058	0.000104419	1.93277E-05	7.65666E-05	6.82492E-05
2349	0.00010299	0.000107614	2.25653E-05	7.29344E-05	5.27441E-05	9.82202E-05	0.000101971	1.88277E-05	7.29344E-05	5.35686E-05
2350	9.57411E-05	0.000100064	2.05386E-05	6.69468E-05	3.85143E-05	9.10952E-05	9.46024E-05	1.68598E-05	6.69468E-05	4.1018E-05
2351	8.40852E-05	8.78887E-05	1.79187E-05	6.00193E-05	3.791E-05	8.04602E-05	8.35866E-05	1.42856E-05	6.00193E-05	4.03471E-05
2352	7.41908E-05	7.75584E-05	1.56096E-05	5.55898E-05	3.76468E-05	7.19691E-05	7.48179E-05	1.16707E-05	5.55898E-05	4.00562E-05
2353	6.39637E-05	6.68783E-05	1.32608E-05	5.06589E-05	3.75553E-05	6.30564E-05	6.56063E-05	9.08438E-06	5.06589E-05	3.99566E-05
2354	6.13689E-05	6.41704E-05	1.26346E-05	5.04065E-05	3.79106E-05	6.11553E-05	6.36594E-05	8.15217E-06	5.04065E-05	4.03545E-05
2355	6.19949E-05	6.48213E-05	1.28265E-05	5.23953E-05	3.89749E-05	6.22765E-05	6.48448E-05	7.91356E-06	5.23953E-05	4.15418E-05
2356	6.65847E-05	6.96129E-05	1.39064E-05	5.76374E-05	4.10903E-05	6.73301E-05	7.0118E-05	8.31927E-06	5.76374E-05	4.38971E-05
2357	7.32307E-05	7.65585E-05	1.53403E-05	6.30784E-05	4.32778E-05	7.39365E-05	7.69872E-05	9.36465E-06	6.30784E-05	4.63299E-05
2358	7.83832E-05	8.19458E-05	1.64071E-05	6.59597E-05	4.36808E-05	7.86042E-05	8.18225E-05	1.0485E-05	6.59597E-05	4.62291E-05
2359	7.81292E-05	8.16523E-05	1.6841E-05	6.52738E-05	0.000134237	7.8076E-05	8.12249E-05	1.14263E-05	6.52738E-05	0.000130563
2360	7.39005E-05	7.72029E-05	1.64536E-05	6.25023E-05	0.000133401	7.39947E-05	7.69487E-05	1.14695E-05	6.25023E-05	0.000129084
2361	7.17519E-05	7.49598E-05	1.59471E-05	5.94189E-05	0.000133802	7.14086E-05	7.42418E-05	1.14395E-05	5.94189E-05	0.000129526
2362	7.1454E-05	7.46511E-05	1.5838E-05	5.7913E-05	0.000134019	7.06847E-05	7.34722E-05	1.16834E-05	5.7913E-05	0.000129763
2363	7.14304E-05	7.46278E-05	1.58082E-05	5.69836E-05	0.000134194	7.03502E-05	7.31119E-05	1.18947E-05	5.69836E-05	0.000129956
2364	6.94753E-05	7.2586E-05	1.53631E-05	5.55296E-05	0.000119755	6.84658E-05	7.11556E-05	1.15335E-05	5.55296E-05	0.000116625
2365	6.78928E-05	7.09331E-05	1.50044E-05	5.39978E-05	0.000119575	6.68156E-05	6.94369E-05	1.13328E-05	5.39978E-05	0.000116424
2366	6.76962E-05	7.07315E-05	1.48943E-05	5.42458E-05	0.000118606	6.67858E-05	6.94142E-05	1.11502E-05	5.42458E-05	0.000115346
2367	7.10058E-05	7.41924E-05	1.55712E-05	5.74824E-05	0.000131567	7.02727E-05	7.30489E-05	1.15104E-05	5.74824E-05	0.000127032
2368	7.6609E-05	8.00485E-05	1.67759E-05	6.22743E-05	0.000129599	7.59156E-05	7.89194E-05	1.23366E-05	6.22743E-05	0.000124844
2369	8.18124E-05	8.54888E-05	1.78572E-05	6.62656E-05	0.000127992	8.10074E-05	8.42112E-05	1.31948E-05	6.62656E-05	0.000123059
2370	9.00219E-05	9.40626E-05	1.9731E-05	7.06222E-05	0.000127045	8.83053E-05	9.1761E-05	1.51612E-05	7.06222E-05	0.000122008
2371	0.00010077	0.00010528	2.23044E-05	7.52275E-05	9.68702E-05	9.74351E-05	0.000101183	1.80997E-05	7.52275E-05	9.39095E-05
2372	0.000104652	0.000109326	2.33539E-05	7.65666E-05	6.83987E-05	0.00010058	0.000104419	1.93277E-05	7.65666E-05	6.82492E-05
2373	0.00010299	0.000107614	2.25653E-05	7.29344E-05	5.27441E-05	9.82202E-05	0.000101971	1.88277E-05	7.29344E-05	5.35686E-05
2374	9.57411E-05	0.000100064	2.05386E-05	6.69468E-05	3.85143E-05	9.10952E-05	9.46024E-05	1.68598E-05	6.69468E-05	4.1018E-05
2375	8.40852E-05	8.78887E-05	1.79187E-05	6.00193E-05	3.791E-05	8.04602E-05	8.35866E-05	1.42856E-05	6.00193E-05	4.03471E-05
2376	7.41908E-05	7.75584E-05	1.56096E-05	5.55898E-05	3.76468E-05	7.19691E-05	7.48179E-05	1.16707E-05	5.55898E-05	4.00562E-05
2377	6.36836E-05	6.65866E-05	1.31821E-05	5.02776E-05	3.75639E-05	6.27307E-05	6.52661E-05	9.06629E-06	5.02776E-05	3.99658E-05
2378	6.11179E-05	6.39091E-05	1.25614E-05	5.00487E-05	3.79235E-05	6.08586E-05	6.33493E-05	8.13825E-06	5.00487E-05	4.03684E-05
2379	6.17919E-05	6.46103E-05	1.27641E-05	5.20861E-05	3.89842E-05	6.20307E-05	6.45879E-05	7.90511E-06	5.20861E-05	4.15516E-05
2380	6.64038E-05	6.94254E-05	1.38399E-05	5.72958E-05	4.11018E-05	6.70914E-05	6.9868E-05	8.32104E-06	5.72958E-05	4.39098E-05
2381	7.31468E-05	7.64723E-05	1.52963E-05	6.28395E-05	4.33121E-05	7.38019E-05	7.68456E-05	9.37681E-06	6.28395E-05	4.63679E-05
2382	7.82817E-05	8.1841E-05	1.63641E-05	6.57333E-05	4.37342E-05	7.846E-05	8.16712E-05	1.04909E-05	6.57333E-05	4.62882E-05
2383	7.95779E-05	8.31831E-05	1.68625E-05	6.5219E-05	0.000134282	7.91473E-05	8.23443E-05	1.14777E-05	6.5219E-05	0.000130613
2384	7.36556E-05	7.69476E-05	1.6388E-05	6.21887E-05	0.000133483	7.37158E-05	7.66574E-05	1.14508E-05	6.21887E-05	0.000129176
2385	7.14724E-05	7.46686E-05	1.58719E-05	5.90593E-05	0.000133937	7.10898E-05	7.3909E-05	1.14185E-05	5.90593E-05	0.000129676
2386	7.12387E-05	7.44267E-05	1.57796E-05	5.76335E-05	0.000134162	7.04384E-05	7.3215E-05	1.16675E-05	5.76335E-05	0.000129922
2387	7.1221E-05	7.44096E-05	1.5752E-05	5.67144E-05	0.000134351	7.01114E-05	7.28626E-05	1.18789E-05	5.67144E-05	0.00013013
2388	6.93269E-05	7.24316E-05	1.53187E-05	5.5311E-05	0.000119848	6.82884E-05	7.09701E-05	1.15263E-05	5.5311E-05	0.000116728
2389	6.77534E-05	7.07882E-05	1.49613E-05	5.3784E-05	0.000119661	6.66464E-05	6.92599E-05	1.13272E-05	5.3784E-05	0.000116519
2390	6.76008E-05	7.06324E-05	1.48632E-05	5.409E-05	0.000118687	6.66672E-05	6.92902E-05	1.11478E-05	5.409E-05	0.000115435
2391	7.08567E-05	7.40371E-05	1.55305E-05	5.72873E-05	0.000131627	7.01017E-05	7.28703E-05	1.14996E-05	5.72873E-05	0.000127097
2392	7.65256E-05	7.99617E-05	1.67499E-05	6.21451E-05	0.000129627	7.58139E-05	7.88131E-05	1.23335E-05	6.21451E-05	0.000124875
2393	8.18865E-05	8.55658E-05	1.78802E-05	6.63795E-05	0.000127995	8.10974E-05	8.43053E-05	1.31978E-05	6.63795E-05	0.000123062
2394	9.00827E-05	9.41258E-05	1.97498E-05	7.07154E-05	0.000127041	8.83791E-05	9.18381E-05	1.51636E-05	7.07154E-05	0.000122003
2395	0.000100821	0.000105334	2.23126E-05	7.52593E-05	9.68558E-05	9.74832E-05	0.000101233	1.81083E-05	7.52593E-05	9.38936E-05
2396	0.000104723	0.0001094	2.33579E-05	7.65658E-05	6.8397E-05	0.000100633	0.000104473	1.93458E-05	7.65658E-05	6.82476E-05
2397	0.000101393	0.000105929	2.24944E-05	7.27405E-05	5.27227E-05	9.69626E-05	0.000100657	1.87734E-05	7.27405E-05	5.35452E-05
2398	9.57546E-05	0.000100079	2.05362E-05	6.69276E-05	3.84968E-05	9.10998E-05	9.4607E-05	1.68659E-05	6.69276E-05	4.09989E-05
2399	8.41422E-05	8.79486E-05	1.79278E-05	6.00545E-05	3.78905E-05	8.05139E-05	8.36424E-05	1.42953E-05	6.00545E-05	4.03257E-05
2400	7.4227E-05	7.75962E-05	1.56166E-05	5.56195E-05	3.76157E-05	7.20054E-05	7.48557E-05	1.16758E-05	5.56195E-05	4.00219E-05
2401	6.36836E-05	6.65866E-05	1.31821E-05	5.02776E-05	3.75639E-05	6.27307E-05	6.52661E-05	9.06629E-06	5.02776E-05	3.99658E-05
2402	6.11179E-05	6.39091E-05	1.25614E-05	5.00487E-05	3.79235E-05	6.08586E-05	6.33493E-05	8.13825E-06	5.00487E-05	4.03684E-05
2403	6.17919E-05	6.46103E-05	1.27641E-05	5.20861E-05	3.89842E-05	6.20307E-05	6.45879E-05	7.90511E-06	5.20861E-05	4.15516E-05
2404	6.64038E-05	6.94254E-05	1.38399E-05	5.72958E-05	4.11018E-05	6.70914E-05	6.9868E-05	8.32104E-06	5.72958E-05	4.39098E-05
2405	7.31468E-05	7.64723E-05	1.52963E-05	6.28395E-05	4.33121E-05	7.38019E-05	7.68456E-05	9.37681E-06	6.28395E-05	4.63679E-05
2406	7.82817E-05	8.1841E-05	1.63641E-05	6.57333E-05	4.37342E-05	7.846E-05	8.16712E-05	1.04909E-05	6.57333E-05	4.62882E-05
2407	7.95779E-05	8.31831E-05	1.68625E-05	6.5219E-05	0.000134282	7.91473E-05	8.23443E-05	1.14777E-05	6.5219E-05	0.000130613
2408	7.36556E-05	7.69476E-05	1.6388E-05	6.21887E-05	0.000133483	7.37158E-05	7.66574E-05	1.14508E-05	6.21887E-05	0.000129176
2409	7.14724E-05	7.46686E-05	1.58719E-05	5.90593E-05	0.000133937	7.10898E-05	7.3909E-05	1.14185E-05	5.90593E-05	0.000129676
2410	7.12387E-05	7.44267E-05	1.57796E-05	5.76335E-05	0.000134162	7.04384E-05	7.3215E-05	1.16675E-05	5.76335E-05	0.000129922
2411	7.1221E-05	7.44096E-05	1.5752E-05	5.67144E-05	0.000134351	7.01114E-05	7.28626E-05	1.18789E-05	5.67144E-05	0.00013013
2412	6.93269E-05	7.24316E-05	1.53187E-05	5.5311E-05	0.000119848	6.82884E-05	7.09701E-05	1.15263E-05	5.5311E-05	0.000116728
2413	6.77534E-05	7.07882E-05	1.49613E-05	5.3784E-05	0.000119661	6.66464E-05	6.92599E-05	1.13272E-05	5.3784E-05	0.000116519
2414	6.76008E-05	7.06324E-05	1.48632E-05	5.409E-05	0.000118687	6.66672E-05	6.92902E-05	1.11478E-05	5.409E-05	0.000115435
2415	7.08567E-05	7.40371E-05	1.55305E-05	5.72873E-05	0.000131627	7.01017E-05	7.28703E-05	1.14996E-05	5.72873E-05	0.000127097
2416	7.65256E-05	7.99617E-05	1.67499E-05	6.21451E-05	0.000129627	7.58139E-05	7.88131E-05	1.23335E-05	6.21451E-05	0.000124875
2417	8.18865E-05	8.55658E-05	1.78802E-05	6.63795E-05	0.000127995	8.10974E-05	8.43053E-05	1.31978E-05	6.63795E-05	0.000123062
2418	9.00827E-05	9.41258E-05	1.97498E-05	7.07154E-05	0.000127041	8.83791E-05	9.18381E-05	1.51636E-05	7.07154E-05	0.000122003
2419	0.000100821	0.000105334	2.23126E-05	7.52593E-05	9.68558E-05	9.74832E-05	0.000101233	1.81083E-05	7.52593E-05	9.38936E-05
2420	0.000104723	0.0001094	2.33579E-05	7.65658E-05	6.8397E-05	0.000100633	0.000104473	1.93458E-05	7.65658E-05	6.82476E-05
2421	0.000101393	0.000105929	2.24944E-05	7.27405E-05	5.27227E-05	9.69626E-05	0.000100657	1.87734E-05	7.27405E-05	5.35452E-05
2422	9.57546E-05	0.000100079	2.05362E-05	6.69276E-05	3.84968E-05	9.10998E-05	9.4607E-05	1.68659E-05	6.69276E-05	4.09989E-05
2423	8.41422E-05	8.79486E-05	1.79278E-05	6.00545E-05	3.78905E-05	8.05139E-05	8.36424E-05	1.42953E-05	6.00545E-05	4.03257E-05

2424	7.4227E-05	7.75962E-05	1.56166E-05	5.56195E-05	3.76157E-05	7.20054E-05	7.48557E-05	1.16758E-05	5.56195E-05	4.00219E-05
2425	6.39637E-05	6.68783E-05	1.32608E-05	5.06589E-05	3.75553E-05	6.30564E-05	6.56063E-05	9.08438E-06	5.06589E-05	3.99566E-05
2426	6.13689E-05	6.41704E-05	1.26346E-05	5.04065E-05	3.79106E-05	6.11553E-05	6.36594E-05	8.15217E-06	5.04065E-05	4.03545E-05
2427	6.19949E-05	6.48213E-05	1.28265E-05	5.23953E-05	3.89749E-05	6.22765E-05	6.48448E-05	7.91356E-06	5.23953E-05	4.15418E-05
2428	6.65847E-05	6.96129E-05	1.39064E-05	5.76374E-05	4.10903E-05	6.73301E-05	7.0118E-05	8.31927E-06	5.76374E-05	4.38971E-05
2429	7.32307E-05	7.65585E-05	1.53403E-05	6.30784E-05	4.32778E-05	7.39365E-05	7.69872E-05	9.36465E-06	6.30784E-05	4.63299E-05
2430	7.83832E-05	8.19458E-05	1.64071E-05	6.59597E-05	4.36808E-05	7.86042E-05	8.18225E-05	1.0485E-05	6.59597E-05	4.62291E-05
2431	7.81292E-05	8.16523E-05	1.6841E-05	6.52738E-05	0.000134237	7.8076E-05	8.12249E-05	1.14263E-05	6.52738E-05	0.000130563
2432	7.39005E-05	7.72029E-05	1.64536E-05	6.25023E-05	0.000133401	7.39947E-05	7.69487E-05	1.14695E-05	6.25023E-05	0.000129084
2433	7.17519E-05	7.49598E-05	1.59471E-05	5.94189E-05	0.000133802	7.14086E-05	7.42418E-05	1.14395E-05	5.94189E-05	0.000129526
2434	7.1454E-05	7.46511E-05	1.5838E-05	5.7913E-05	0.000134019	7.06847E-05	7.34722E-05	1.16834E-05	5.7913E-05	0.000129763
2435	7.14304E-05	7.46278E-05	1.58082E-05	5.69836E-05	0.000134194	7.03502E-05	7.31119E-05	1.18947E-05	5.69836E-05	0.000129956
2436	6.94753E-05	7.2586E-05	1.53631E-05	5.55296E-05	0.000119755	6.84658E-05	7.11556E-05	1.15335E-05	5.55296E-05	0.000116625
2437	6.78928E-05	7.09331E-05	1.50044E-05	5.39978E-05	0.000119575	6.68156E-05	6.94369E-05	1.13328E-05	5.39978E-05	0.000116424
2438	6.76962E-05	7.07315E-05	1.48943E-05	5.42458E-05	0.000118606	6.67858E-05	6.94142E-05	1.11502E-05	5.42458E-05	0.000115346
2439	7.10058E-05	7.41924E-05	1.55712E-05	5.74824E-05	0.000131567	7.02727E-05	7.30489E-05	1.15104E-05	5.74824E-05	0.000127032
2440	7.6609E-05	8.00485E-05	1.67759E-05	6.22743E-05	0.000129599	7.59156E-05	7.89194E-05	1.23366E-05	6.22743E-05	0.000124844
2441	8.18124E-05	8.54888E-05	1.78572E-05	6.62656E-05	0.000127992	8.10074E-05	8.42112E-05	1.31948E-05	6.62656E-05	0.000123059
2442	9.00219E-05	9.40626E-05	1.9731E-05	7.06222E-05	0.000127045	8.83053E-05	9.1761E-05	1.51612E-05	7.06222E-05	0.000122008
2443	0.00010077	0.00010528	2.23044E-05	7.52275E-05	9.68702E-05	9.74351E-05	0.000101183	1.80997E-05	7.52275E-05	9.39095E-05
2444	0.000104652	0.000109326	2.33539E-05	7.65666E-05	6.83987E-05	0.00010058	0.000104419	1.93277E-05	7.65666E-05	6.82492E-05
2445	0.00010299	0.000107614	2.25653E-05	7.29344E-05	5.27441E-05	9.82202E-05	0.000101971	1.88277E-05	7.29344E-05	5.35686E-05
2446	9.57411E-05	0.000100064	2.05386E-05	6.69468E-05	3.85143E-05	9.10952E-05	9.46024E-05	1.68598E-05	6.69468E-05	4.1018E-05
2447	8.40852E-05	8.78887E-05	1.79187E-05	6.00193E-05	3.791E-05	8.04602E-05	8.35866E-05	1.42856E-05	6.00193E-05	4.03471E-05
2448	7.41908E-05	7.75584E-05	1.56096E-05	5.55898E-05	3.76468E-05	7.19691E-05	7.48179E-05	1.16707E-05	5.55898E-05	4.00562E-05
2449	6.39637E-05	6.68783E-05	1.32608E-05	5.06589E-05	3.75553E-05	6.30564E-05	6.56063E-05	9.08438E-06	5.06589E-05	3.99566E-05
2450	6.13689E-05	6.41704E-05	1.26346E-05	5.04065E-05	3.79106E-05	6.11553E-05	6.36594E-05	8.15217E-06	5.04065E-05	4.03545E-05
2451	6.19949E-05	6.48213E-05	1.28265E-05	5.23953E-05	3.89749E-05	6.22765E-05	6.48448E-05	7.91356E-06	5.23953E-05	4.15418E-05
2452	6.65847E-05	6.96129E-05	1.39064E-05	5.76374E-05	4.10903E-05	6.73301E-05	7.0118E-05	8.31927E-06	5.76374E-05	4.38971E-05
2453	7.32307E-05	7.65585E-05	1.53403E-05	6.30784E-05	4.32778E-05	7.39365E-05	7.69872E-05	9.36465E-06	6.30784E-05	4.63299E-05
2454	7.83832E-05	8.19458E-05	1.64071E-05	6.59597E-05	4.36808E-05	7.86042E-05	8.18225E-05	1.0485E-05	6.59597E-05	4.62291E-05
2455	7.81292E-05	8.16523E-05	1.6841E-05	6.52738E-05	0.000134237	7.8076E-05	8.12249E-05	1.14263E-05	6.52738E-05	0.000130563
2456	7.39005E-05	7.72029E-05	1.64536E-05	6.25023E-05	0.000133401	7.39947E-05	7.69487E-05	1.14695E-05	6.25023E-05	0.000129084
2457	7.17519E-05	7.49598E-05	1.59471E-05	5.94189E-05	0.000133802	7.14086E-05	7.42418E-05	1.14395E-05	5.94189E-05	0.000129526
2458	7.1454E-05	7.46511E-05	1.5838E-05	5.7913E-05	0.000134019	7.06847E-05	7.34722E-05	1.16834E-05	5.7913E-05	0.000129763
2459	7.14304E-05	7.46278E-05	1.58082E-05	5.69836E-05	0.000134194	7.03502E-05	7.31119E-05	1.18947E-05	5.69836E-05	0.000129956
2460	6.94753E-05	7.2586E-05	1.53631E-05	5.55296E-05	0.000119755	6.84658E-05	7.11556E-05	1.15335E-05	5.55296E-05	0.000116625
2461	6.78928E-05	7.09331E-05	1.50044E-05	5.39978E-05	0.000119575	6.68156E-05	6.94369E-05	1.13328E-05	5.39978E-05	0.000116424
2462	6.76962E-05	7.07315E-05	1.48943E-05	5.42458E-05	0.000118606	6.67858E-05	6.94142E-05	1.11502E-05	5.42458E-05	0.000115346
2463	7.10058E-05	7.41924E-05	1.55712E-05	5.74824E-05	0.000131567	7.02727E-05	7.30489E-05	1.15104E-05	5.74824E-05	0.000127032
2464	7.6609E-05	8.00485E-05	1.67759E-05	6.22743E-05	0.000129599	7.59156E-05	7.89194E-05	1.23366E-05	6.22743E-05	0.000124844
2465	8.18124E-05	8.54888E-05	1.78572E-05	6.62656E-05	0.000127992	8.10074E-05	8.42112E-05	1.31948E-05	6.62656E-05	0.000123059
2466	9.00219E-05	9.40626E-05	1.9731E-05	7.06222E-05	0.000127045	8.83053E-05	9.1761E-05	1.51612E-05	7.06222E-05	0.000122008
2467	0.00010077	0.00010528	2.23044E-05	7.52275E-05	9.68702E-05	9.74351E-05	0.000101183	1.80997E-05	7.52275E-05	9.39095E-05
2468	0.000104652	0.000109326	2.33539E-05	7.65666E-05	6.83987E-05	0.00010058	0.000104419	1.93277E-05	7.65666E-05	6.82492E-05
2469	0.00010299	0.000107614	2.25653E-05	7.29344E-05	5.27441E-05	9.82202E-05	0.000101971	1.88277E-05	7.29344E-05	5.35686E-05
2470	9.57411E-05	0.000100064	2.05386E-05	6.69468E-05	3.85143E-05	9.10952E-05	9.46024E-05	1.68598E-05	6.69468E-05	4.1018E-05
2471	8.40852E-05	8.78887E-05	1.79187E-05	6.00193E-05	3.791E-05	8.04602E-05	8.35866E-05	1.42856E-05	6.00193E-05	4.03471E-05
2472	7.41908E-05	7.75584E-05	1.56096E-05	5.55898E-05	3.76468E-05	7.19691E-05	7.48179E-05	1.16707E-05	5.55898E-05	4.00562E-05
2473	6.39637E-05	6.68783E-05	1.32608E-05	5.06589E-05	3.75553E-05	6.30564E-05	6.56063E-05	9.08438E-06	5.06589E-05	3.99566E-05
2474	6.13689E-05	6.41704E-05	1.26346E-05	5.04065E-05	3.79106E-05	6.11553E-05	6.36594E-05	8.15217E-06	5.04065E-05	4.03545E-05
2475	6.19949E-05	6.48213E-05	1.28265E-05	5.23953E-05	3.89749E-05	6.22765E-05	6.48448E-05	7.91356E-06	5.23953E-05	4.15418E-05
2476	6.65847E-05	6.96129E-05	1.39064E-05	5.76374E-05	4.10903E-05	6.73301E-05	7.0118E-05	8.31927E-06	5.76374E-05	4.38971E-05
2477	7.32307E-05	7.65585E-05	1.53403E-05	6.30784E-05	4.32778E-05	7.39365E-05	7.69872E-05	9.36465E-06	6.30784E-05	4.63299E-05
2478	7.83832E-05	8.19458E-05	1.64071E-05	6.59597E-05	4.36808E-05	7.86042E-05	8.18225E-05	1.0485E-05	6.59597E-05	4.62291E-05
2479	7.81292E-05	8.16523E-05	1.6841E-05	6.52738E-05	0.000134237	7.8076E-05	8.12249E-05	1.14263E-05	6.52738E-05	0.000130563
2480	7.39005E-05	7.72029E-05	1.64536E-05	6.25023E-05	0.000133401	7.39947E-05	7.69487E-05	1.14695E-05	6.25023E-05	0.000129084
2481	7.17519E-05	7.49598E-05	1.59471E-05	5.94189E-05	0.000133802	7.14086E-05	7.42418E-05	1.14395E-05	5.94189E-05	0.000129526
2482	7.1454E-05	7.46511E-05	1.5838E-05	5.7913E-05	0.000134019	7.06847E-05	7.34722E-05	1.16834E-05	5.7913E-05	0.000129763
2483	7.14304E-05	7.46278E-05	1.58082E-05	5.69836E-05	0.000134194	7.03502E-05	7.31119E-05	1.18947E-05	5.69836E-05	0.000129956
2484	6.94753E-05	7.2586E-05	1.53631E-05	5.55296E-05	0.000119755	6.84658E-05	7.11556E-05	1.15335E-05	5.55296E-05	0.000116625
2485	6.78928E-05	7.09331E-05	1.50044E-05	5.39978E-05	0.000119575	6.68156E-05	6.94369E-05	1.13328E-05	5.39978E-05	0.000116424
2486	6.76962E-05	7.07315E-05	1.48943E-05	5.42458E-05	0.000118606	6.67858E-05	6.94142E-05	1.11502E-05	5.42458E-05	0.000115346
2487	7.10058E-05	7.41924E-05	1.55712E-05	5.74824E-05	0.000131567	7.02727E-05	7.30489E-05	1.15104E-05	5.74824E-05	0.000127032
2488	7.6609E-05	8.00485E-05	1.67759E-05	6.22743E-05	0.000129599	7.59156E-05	7.89194E-05	1.23366E-05	6.22743E-05	0.000124844
2489	8.18124E-05	8.54888E-05	1.78572E-05	6.62656E-05	0.000127992	8.10074E-05	8.42112E-05	1.31948E-05	6.62656E-05	0.000123059
2490	9.00219E-05	9.40626E-05	1.9731E-05	7.06222E-05	0.000127045	8.83053E-05	9.1761E-05	1.51612E-05	7.06222E-05	0.000122008
2491	0.00010077	0.00010528	2.23044E-05	7.52275E-05	9.68702E-05	9.74351E-05	0.000101183	1.80997E-05	7.52275E-05	9.39095E-05
2492	0.000104652	0.000109326	2.33539E-05	7.65666E-05	6.83987E-05	0.00010058	0.000104419	1.93277E-05	7.65666E-05	6.82492E-05
2493	0.00010299	0.000107614	2.25653E-05	7.29344E-05	5.27441E-05	9.82202E-05	0.000101971	1.88277E-05	7.29344E-05	5.35686E-05
2494	9.57411E-05	0.000100064	2.05386E-05	6.69468E-05	3.85143E-05	9.10952E-05	9.46024E-05	1.68598E-05	6.69468E-05	4.1018E-05
2495	8.40852E-05	8.78887E-05	1.79187E-05	6.00193E-05	3.791E-05	8.04602E-05	8.35866E-05	1.42856E-05	6.00193E-05	4.03471E-05
2496	7.41908E-05	7.75584E-05	1.56096E-05	5.55898E-05	3.76468E-05	7.19691E-05	7.48179E-05	1.16707E-05	5.55898E-05	4.00562E-05
2497	6.39637E-05	6.68783E-05	1.32608E-05	5.06589E-05	3.75553E-05	6.30564E-05	6.56063E-05	9.08438E-06	5.06589E-05	3.99566E-05
2498	6.13689E-05	6.41704E-05	1.26346E-05	5.04065E-05	3.79106E-05	6.11553E-05	6.36594E-05	8.15217E-06	5.04065E-05	4.03545E-05
2499	6.19949E-05	6.48213E-05	1.28265E-05	5.23953E-05	3.89749E-05	6.22765E-05	6.48448E-05	7.91356E-06	5.23953E-05	4.15418E-05

2500	6.65847E-05	6.96129E-05	1.39064E-05	5.76374E-05	4.10903E-05	6.73301E-05	7.0118E-05	8.31927E-06	5.76374E-05	4.38971E-05
2501	7.32307E-05	7.65585E-05	1.53403E-05	6.30784E-05	4.32778E-05	7.39365E-05	7.69872E-05	9.36465E-06	6.30784E-05	4.63299E-05
2502	7.83832E-05	8.19458E-05	1.64071E-05	6.59597E-05	4.36808E-05	7.86042E-05	8.18225E-05	1.0485E-05	6.59597E-05	4.62291E-05
2503	7.81292E-05	8.16523E-05	1.6841E-05	6.52738E-05	0.000134237	7.8076E-05	8.12249E-05	1.14263E-05	6.52738E-05	0.000130563
2504	7.39005E-05	7.72029E-05	1.64536E-05	6.25023E-05	0.000133401	7.39947E-05	7.69487E-05	1.14695E-05	6.25023E-05	0.000129084
2505	7.17519E-05	7.49598E-05	1.59471E-05	5.94189E-05	0.000133802	7.14086E-05	7.42418E-05	1.14395E-05	5.94189E-05	0.000129526
2506	7.1454E-05	7.46511E-05	1.5838E-05	5.7913E-05	0.000134019	7.06847E-05	7.34722E-05	1.16834E-05	5.7913E-05	0.000129763
2507	7.14304E-05	7.46278E-05	1.58082E-05	5.69836E-05	0.000134194	7.03502E-05	7.31119E-05	1.18947E-05	5.69836E-05	0.000129956
2508	6.94753E-05	7.2586E-05	1.53631E-05	5.55296E-05	0.000119755	6.84658E-05	7.11556E-05	1.15335E-05	5.55296E-05	0.000116625
2509	6.78928E-05	7.09331E-05	1.50044E-05	5.39978E-05	0.000119575	6.68156E-05	6.94369E-05	1.13328E-05	5.39978E-05	0.000116424
2510	6.76962E-05	7.07315E-05	1.48943E-05	5.42458E-05	0.000118606	6.67858E-05	6.94142E-05	1.11502E-05	5.42458E-05	0.000115346
2511	7.10058E-05	7.41924E-05	1.55712E-05	5.74824E-05	0.000131567	7.02727E-05	7.30489E-05	1.15104E-05	5.74824E-05	0.000127032
2512	7.6609E-05	8.00485E-05	1.67759E-05	6.22743E-05	0.000129599	7.59156E-05	7.89194E-05	1.23366E-05	6.22743E-05	0.000124844
2513	8.18124E-05	8.54888E-05	1.78572E-05	6.62656E-05	0.000127992	8.10074E-05	8.42112E-05	1.31948E-05	6.62656E-05	0.000123059
2514	9.00219E-05	9.40626E-05	1.9731E-05	7.06222E-05	0.000127045	8.83053E-05	9.1761E-05	1.51612E-05	7.06222E-05	0.000122008
2515	0.00010077	0.00010528	2.23044E-05	7.52275E-05	9.68702E-05	9.74351E-05	0.000101183	1.80997E-05	7.52275E-05	9.39095E-05
2516	0.000104652	0.000109326	2.33539E-05	7.65666E-05	6.83987E-05	0.00010058	0.000104419	1.93277E-05	7.65666E-05	6.82492E-05
2517	0.00010299	0.000107614	2.25653E-05	7.29344E-05	5.27441E-05	9.82202E-05	0.000101971	1.88277E-05	7.29344E-05	5.35686E-05
2518	9.57411E-05	0.000100064	2.05386E-05	6.69468E-05	3.85143E-05	9.10952E-05	9.46024E-05	1.68598E-05	6.69468E-05	4.1018E-05
2519	8.40852E-05	8.78887E-05	1.79187E-05	6.00193E-05	3.791E-05	8.04602E-05	8.35866E-05	1.42856E-05	6.00193E-05	4.03471E-05
2520	7.41908E-05	7.75584E-05	1.56096E-05	5.55898E-05	3.76468E-05	7.19691E-05	7.48179E-05	1.16707E-05	5.55898E-05	4.00562E-05
2521	6.39637E-05	6.68783E-05	1.32608E-05	5.06589E-05	3.75553E-05	6.30564E-05	6.56063E-05	9.08438E-06	5.06589E-05	3.99566E-05
2522	6.13689E-05	6.41704E-05	1.26346E-05	5.04065E-05	3.79106E-05	6.11553E-05	6.36594E-05	8.15217E-06	5.04065E-05	4.03545E-05
2523	6.19949E-05	6.48213E-05	1.28265E-05	5.23953E-05	3.89749E-05	6.22765E-05	6.48448E-05	7.91356E-06	5.23953E-05	4.15418E-05
2524	6.65847E-05	6.96129E-05	1.39064E-05	5.76374E-05	4.10903E-05	6.73301E-05	7.0118E-05	8.31927E-06	5.76374E-05	4.38971E-05
2525	7.32307E-05	7.65585E-05	1.53403E-05	6.30784E-05	4.32778E-05	7.39365E-05	7.69872E-05	9.36465E-06	6.30784E-05	4.63299E-05
2526	7.83832E-05	8.19458E-05	1.64071E-05	6.59597E-05	4.36808E-05	7.86042E-05	8.18225E-05	1.0485E-05	6.59597E-05	4.62291E-05
2527	7.81292E-05	8.16523E-05	1.6841E-05	6.52738E-05	0.000134237	7.8076E-05	8.12249E-05	1.14263E-05	6.52738E-05	0.000130563
2528	7.39005E-05	7.72029E-05	1.64536E-05	6.25023E-05	0.000133401	7.39947E-05	7.69487E-05	1.14695E-05	6.25023E-05	0.000129084
2529	7.17519E-05	7.49598E-05	1.59471E-05	5.94189E-05	0.000133802	7.14086E-05	7.42418E-05	1.14395E-05	5.94189E-05	0.000129526
2530	7.1454E-05	7.46511E-05	1.5838E-05	5.7913E-05	0.000134019	7.06847E-05	7.34722E-05	1.16834E-05	5.7913E-05	0.000129763
2531	7.14304E-05	7.46278E-05	1.58082E-05	5.69836E-05	0.000134194	7.03502E-05	7.31119E-05	1.18947E-05	5.69836E-05	0.000129956
2532	6.94753E-05	7.2586E-05	1.53631E-05	5.55296E-05	0.000119755	6.84658E-05	7.11556E-05	1.15335E-05	5.55296E-05	0.000116625
2533	6.78928E-05	7.09331E-05	1.50044E-05	5.39978E-05	0.000119575	6.68156E-05	6.94369E-05	1.13328E-05	5.39978E-05	0.000116424
2534	6.76962E-05	7.07315E-05	1.48943E-05	5.42458E-05	0.000118606	6.67858E-05	6.94142E-05	1.11502E-05	5.42458E-05	0.000115346
2535	7.10058E-05	7.41924E-05	1.55712E-05	5.74824E-05	0.000131567	7.02727E-05	7.30489E-05	1.15104E-05	5.74824E-05	0.000127032
2536	7.6609E-05	8.00485E-05	1.67759E-05	6.22743E-05	0.000129599	7.59156E-05	7.89194E-05	1.23366E-05	6.22743E-05	0.000124844
2537	8.18124E-05	8.54888E-05	1.78572E-05	6.62656E-05	0.000127992	8.10074E-05	8.42112E-05	1.31948E-05	6.62656E-05	0.000123059
2538	9.00219E-05	9.40626E-05	1.9731E-05	7.06222E-05	0.000127045	8.83053E-05	9.1761E-05	1.51612E-05	7.06222E-05	0.000122008
2539	0.00010077	0.00010528	2.23044E-05	7.52275E-05	9.68702E-05	9.74351E-05	0.000101183	1.80997E-05	7.52275E-05	9.39095E-05
2540	0.000104652	0.000109326	2.33539E-05	7.65666E-05	6.83987E-05	0.00010058	0.000104419	1.93277E-05	7.65666E-05	6.82492E-05
2541	0.00010299	0.000107614	2.25653E-05	7.29344E-05	5.27441E-05	9.82202E-05	0.000101971	1.88277E-05	7.29344E-05	5.35686E-05
2542	9.57411E-05	0.000100064	2.05386E-05	6.69468E-05	3.85143E-05	9.10952E-05	9.46024E-05	1.68598E-05	6.69468E-05	4.1018E-05
2543	8.40852E-05	8.78887E-05	1.79187E-05	6.00193E-05	3.791E-05	8.04602E-05	8.35866E-05	1.42856E-05	6.00193E-05	4.03471E-05
2544	7.41908E-05	7.75584E-05	1.56096E-05	5.55898E-05	3.76468E-05	7.19691E-05	7.48179E-05	1.16707E-05	5.55898E-05	4.00562E-05
2545	6.36836E-05	6.65866E-05	1.31821E-05	5.02776E-05	3.75639E-05	6.27307E-05	6.52661E-05	9.06629E-06	5.02776E-05	3.99658E-05
2546	6.11179E-05	6.39091E-05	1.25614E-05	5.00487E-05	3.79235E-05	6.08586E-05	6.33493E-05	8.13825E-06	5.00487E-05	4.03684E-05
2547	6.17919E-05	6.46103E-05	1.27641E-05	5.20861E-05	3.89842E-05	6.20307E-05	6.45879E-05	7.90511E-06	5.20861E-05	4.15516E-05
2548	6.64038E-05	6.94254E-05	1.38399E-05	5.72958E-05	4.11018E-05	6.70914E-05	6.9868E-05	8.32104E-06	5.72958E-05	4.39098E-05
2549	7.31468E-05	7.64723E-05	1.52963E-05	6.28395E-05	4.33121E-05	7.38019E-05	7.68456E-05	9.37681E-06	6.28395E-05	4.63679E-05
2550	7.82817E-05	8.1841E-05	1.63641E-05	6.57333E-05	4.37342E-05	7.846E-05	8.16712E-05	1.04909E-05	6.57333E-05	4.62882E-05
2551	7.95779E-05	8.31831E-05	1.68625E-05	6.5219E-05	0.000134282	7.91473E-05	8.23443E-05	1.14777E-05	6.5219E-05	0.000130613
2552	7.36556E-05	7.69476E-05	1.6388E-05	6.21887E-05	0.000133483	7.37158E-05	7.66574E-05	1.14508E-05	6.21887E-05	0.000129176
2553	7.14724E-05	7.46686E-05	1.58719E-05	5.90593E-05	0.000133937	7.10898E-05	7.3909E-05	1.14185E-05	5.90593E-05	0.000129676
2554	7.12387E-05	7.44267E-05	1.57796E-05	5.76335E-05	0.000134162	7.04384E-05	7.3215E-05	1.16675E-05	5.76335E-05	0.000129922
2555	7.1221E-05	7.44096E-05	1.5752E-05	5.67144E-05	0.000134351	7.01114E-05	7.28626E-05	1.18789E-05	5.67144E-05	0.00013013
2556	6.93269E-05	7.24316E-05	1.53187E-05	5.5311E-05	0.000119848	6.82884E-05	7.09701E-05	1.15263E-05	5.5311E-05	0.000116728
2557	6.77534E-05	7.07882E-05	1.49613E-05	5.3784E-05	0.000119661	6.66464E-05	6.92599E-05	1.13272E-05	5.3784E-05	0.000116519
2558	6.76008E-05	7.06324E-05	1.48632E-05	5.409E-05	0.000118687	6.66672E-05	6.92902E-05	1.11478E-05	5.409E-05	0.000115435
2559	7.08567E-05	7.40371E-05	1.55305E-05	5.72873E-05	0.000131627	7.01017E-05	7.28703E-05	1.14996E-05	5.72873E-05	0.000127097
2560	7.65256E-05	7.99617E-05	1.67499E-05	6.21451E-05	0.000129627	7.58139E-05	7.88131E-05	1.23335E-05	6.21451E-05	0.000124875
2561	8.18865E-05	8.55658E-05	1.78802E-05	6.63795E-05	0.000127995	8.10974E-05	8.43053E-05	1.31978E-05	6.63795E-05	0.000123062
2562	9.00827E-05	9.41258E-05	1.97498E-05	7.07154E-05	0.000127041	8.83791E-05	9.18381E-05	1.51636E-05	7.07154E-05	0.000122003
2563	0.000100821	0.000105334	2.23126E-05	7.52593E-05	9.68558E-05	9.74832E-05	0.000101233	1.81083E-05	7.52593E-05	9.38936E-05
2564	0.000104723	0.0001094	2.33579E-05	7.65658E-05	6.8397E-05	0.000100633	0.000104473	1.93458E-05	7.65658E-05	6.82476E-05
2565	0.000101393	0.000105929	2.24944E-05	7.27405E-05	5.27227E-05	9.69626E-05	0.000100657	1.87734E-05	7.27405E-05	5.35452E-05
2566	9.57546E-05	0.000100079	2.05362E-05	6.69276E-05	3.84968E-05	9.10998E-05	9.4607E-05	1.68659E-05	6.69276E-05	4.09989E-05
2567	8.41422E-05	8.79486E-05	1.79278E-05	6.00545E-05	3.78905E-05	8.05139E-05	8.36424E-05	1.42953E-05	6.00545E-05	4.03257E-05
2568	7.4227E-05	7.75962E-05	1.56166E-05	5.56195E-05	3.76157E-05	7.20054E-05	7.48557E-05	1.16758E-05	5.56195E-05	4.00219E-05
2569	6.36836E-05	6.65866E-05	1.31821E-05	5.02776E-05	3.75639E-05	6.27307E-05	6.52661E-05	9.06629E-06	5.02776E-05	3.99658E-05
2570	6.11179E-05	6.39091E-05	1.25614E-05	5.00487E-05	3.79235E-05	6.08586E-05	6.33493E-05	8.13825E-06	5.00487E-05	4.03684E-05
2571	6.17919E-05	6.46103E-05	1.27641E-05	5.20861E-05	3.89842E-05	6.20307E-05	6.45879E-05	7.90511E-06	5.20861E-05	4.15516E-05
2572	6.64038E-05	6.94254E-05	1.38399E-05	5.72958E-05	4.11018E-05	6.70914E-05	6.9868E-05	8.32104E-06	5.72958E-05	4.39098E-05
2573	7.31468E-05	7.64723E-05	1.52963E-05	6.28395E-05	4.33121E-05	7.38019E-05	7.68456E-05	9.37681E-06	6.28395E-05	4.63679E-05
2574	7.82817E-05	8.1841E-05	1.63641E-05	6.57333E-05	4.37342E-05	7.846E-05	8.16712E-05	1.04909E-05	6.57333E-05	4.62882E-05
2575	7.95779E-05	8.31831E-05	1.68625E-05	6.5219E-05	0.000134282	7.91473E-05	8.23443E-05	1.14777E-05	6.5219E-05	0.000130613

2576	7.36556E-05	7.69476E-05	1.6388E-05	6.21887E-05	0.000133483	7.37158E-05	7.66574E-05	1.14508E-05	6.21887E-05	0.000129176
2577	7.14724E-05	7.46686E-05	1.58719E-05	5.90593E-05	0.000133937	7.10898E-05	7.3909E-05	1.14185E-05	5.90593E-05	0.000129676
2578	7.12387E-05	7.44267E-05	1.57796E-05	5.76335E-05	0.000134162	7.04384E-05	7.3215E-05	1.16675E-05	5.76335E-05	0.000129922
2579	7.1221E-05	7.44096E-05	1.5752E-05	5.67144E-05	0.000134351	7.01114E-05	7.28626E-05	1.18789E-05	5.67144E-05	0.00013013
2580	6.93269E-05	7.24316E-05	1.53187E-05	5.5311E-05	0.000119848	6.82884E-05	7.09701E-05	1.15263E-05	5.5311E-05	0.000116728
2581	6.77534E-05	7.07882E-05	1.49613E-05	5.3784E-05	0.000119661	6.66464E-05	6.92599E-05	1.13272E-05	5.3784E-05	0.000116519
2582	6.76008E-05	7.06324E-05	1.48632E-05	5.409E-05	0.000118687	6.66672E-05	6.92902E-05	1.11478E-05	5.409E-05	0.000115435
2583	7.08567E-05	7.40371E-05	1.55305E-05	5.72873E-05	0.000131627	7.01017E-05	7.28703E-05	1.14996E-05	5.72873E-05	0.000127097
2584	7.65256E-05	7.99617E-05	1.67499E-05	6.21451E-05	0.000129627	7.58139E-05	7.88131E-05	1.23335E-05	6.21451E-05	0.000124875
2585	8.18865E-05	8.55658E-05	1.78802E-05	6.63795E-05	0.000127995	8.10974E-05	8.43053E-05	1.31978E-05	6.63795E-05	0.000123062
2586	9.00827E-05	9.41258E-05	1.97498E-05	7.07154E-05	0.000127041	8.83791E-05	9.18381E-05	1.51636E-05	7.07154E-05	0.000122003
2587	0.000100821	0.000105334	2.23126E-05	7.52593E-05	9.68558E-05	9.74832E-05	0.000101233	1.81083E-05	7.52593E-05	9.38936E-05
2588	0.000104723	0.0001094	2.33579E-05	7.65658E-05	6.8397E-05	0.000100633	0.000104473	1.93458E-05	7.65658E-05	6.82476E-05
2589	0.000101393	0.000105929	2.24944E-05	7.27405E-05	5.27227E-05	9.69626E-05	0.000100657	1.87734E-05	7.27405E-05	5.35452E-05
2590	9.57546E-05	0.000100079	2.05362E-05	6.69276E-05	3.84968E-05	9.10998E-05	9.4607E-05	1.68659E-05	6.69276E-05	4.09989E-05
2591	8.41422E-05	8.79486E-05	1.79278E-05	6.00545E-05	3.78905E-05	8.05139E-05	8.36424E-05	1.42953E-05	6.00545E-05	4.03257E-05
2592	7.4227E-05	7.75962E-05	1.56166E-05	5.56195E-05	3.76157E-05	7.20054E-05	7.48557E-05	1.16758E-05	5.56195E-05	4.00219E-05
2593	6.39637E-05	6.68783E-05	1.32608E-05	5.06589E-05	3.75553E-05	6.30564E-05	6.56063E-05	9.08438E-06	5.06589E-05	3.99566E-05
2594	6.13689E-05	6.41704E-05	1.26346E-05	5.04065E-05	3.79106E-05	6.11553E-05	6.36594E-05	8.15217E-06	5.04065E-05	4.03545E-05
2595	6.19949E-05	6.48213E-05	1.28265E-05	5.23953E-05	3.89749E-05	6.22765E-05	6.48448E-05	7.91356E-06	5.23953E-05	4.15418E-05
2596	6.65847E-05	6.96129E-05	1.39064E-05	5.76374E-05	4.10903E-05	6.73301E-05	7.0118E-05	8.31927E-06	5.76374E-05	4.38971E-05
2597	7.32307E-05	7.65585E-05	1.53403E-05	6.30784E-05	4.32778E-05	7.39365E-05	7.69872E-05	9.36465E-06	6.30784E-05	4.63299E-05
2598	7.83832E-05	8.19458E-05	1.64071E-05	6.59597E-05	4.36808E-05	7.86042E-05	8.18225E-05	1.0485E-05	6.59597E-05	4.62291E-05
2599	7.81292E-05	8.16523E-05	1.6841E-05	6.52738E-05	0.000134237	7.8076E-05	8.12249E-05	1.14263E-05	6.52738E-05	0.000130563
2600	7.39005E-05	7.72029E-05	1.64536E-05	6.25023E-05	0.000133401	7.39947E-05	7.69487E-05	1.14695E-05	6.25023E-05	0.000129084
2601	7.17519E-05	7.49598E-05	1.59471E-05	5.94189E-05	0.000133802	7.14086E-05	7.42418E-05	1.14395E-05	5.94189E-05	0.000129526
2602	7.1454E-05	7.46511E-05	1.5838E-05	5.7913E-05	0.000134019	7.06847E-05	7.34722E-05	1.16834E-05	5.7913E-05	0.000129763
2603	7.14304E-05	7.46278E-05	1.58082E-05	5.69836E-05	0.000134194	7.03502E-05	7.31119E-05	1.18947E-05	5.69836E-05	0.000129956
2604	6.94753E-05	7.2586E-05	1.53631E-05	5.55296E-05	0.000119755	6.84658E-05	7.11556E-05	1.15335E-05	5.55296E-05	0.000116625
2605	6.78928E-05	7.09331E-05	1.50044E-05	5.39978E-05	0.000119575	6.68156E-05	6.94369E-05	1.13328E-05	5.39978E-05	0.000116424
2606	6.76962E-05	7.07315E-05	1.48943E-05	5.42458E-05	0.000118606	6.67858E-05	6.94142E-05	1.11502E-05	5.42458E-05	0.000115346
2607	7.10058E-05	7.41924E-05	1.55712E-05	5.74824E-05	0.000131567	7.02727E-05	7.30489E-05	1.15104E-05	5.74824E-05	0.000127032
2608	7.6609E-05	8.00485E-05	1.67759E-05	6.22743E-05	0.000129599	7.59156E-05	7.89194E-05	1.23366E-05	6.22743E-05	0.000124844
2609	8.18124E-05	8.54888E-05	1.78572E-05	6.62656E-05	0.000127992	8.10074E-05	8.42112E-05	1.31948E-05	6.62656E-05	0.000123059
2610	9.00219E-05	9.40626E-05	1.9731E-05	7.06222E-05	0.000127045	8.83053E-05	9.1761E-05	1.51612E-05	7.06222E-05	0.000122008
2611	0.00010077	0.00010528	2.23044E-05	7.52275E-05	9.68702E-05	9.74351E-05	0.000101183	1.80997E-05	7.52275E-05	9.39095E-05
2612	0.000104652	0.000109326	2.33539E-05	7.65666E-05	6.83987E-05	0.00010058	0.000104419	1.93277E-05	7.65666E-05	6.82492E-05
2613	0.00010299	0.000107614	2.25653E-05	7.29344E-05	5.27441E-05	9.82202E-05	0.000101971	1.88277E-05	7.29344E-05	5.35686E-05
2614	9.57411E-05	0.000100064	2.05386E-05	6.69468E-05	3.85143E-05	9.10952E-05	9.46024E-05	1.68598E-05	6.69468E-05	4.1018E-05
2615	8.40852E-05	8.78887E-05	1.79187E-05	6.00193E-05	3.791E-05	8.04602E-05	8.35866E-05	1.42856E-05	6.00193E-05	4.03471E-05
2616	7.41908E-05	7.75584E-05	1.56096E-05	5.55898E-05	3.76468E-05	7.19691E-05	7.48179E-05	1.16707E-05	5.55898E-05	4.00562E-05
2617	6.39637E-05	6.68783E-05	1.32608E-05	5.06589E-05	3.75553E-05	6.30564E-05	6.56063E-05	9.08438E-06	5.06589E-05	3.99566E-05
2618	6.13689E-05	6.41704E-05	1.26346E-05	5.04065E-05	3.79106E-05	6.11553E-05	6.36594E-05	8.15217E-06	5.04065E-05	4.03545E-05
2619	6.19949E-05	6.48213E-05	1.28265E-05	5.23953E-05	3.89749E-05	6.22765E-05	6.48448E-05	7.91356E-06	5.23953E-05	4.15418E-05
2620	6.65847E-05	6.96129E-05	1.39064E-05	5.76374E-05	4.10903E-05	6.73301E-05	7.0118E-05	8.31927E-06	5.76374E-05	4.38971E-05
2621	7.32307E-05	7.65585E-05	1.53403E-05	6.30784E-05	4.32778E-05	7.39365E-05	7.69872E-05	9.36465E-06	6.30784E-05	4.63299E-05
2622	7.83832E-05	8.19458E-05	1.64071E-05	6.59597E-05	4.36808E-05	7.86042E-05	8.18225E-05	1.0485E-05	6.59597E-05	4.62291E-05
2623	7.81292E-05	8.16523E-05	1.6841E-05	6.52738E-05	0.000134237	7.8076E-05	8.12249E-05	1.14263E-05	6.52738E-05	0.000130563
2624	7.39005E-05	7.72029E-05	1.64536E-05	6.25023E-05	0.000133401	7.39947E-05	7.69487E-05	1.14695E-05	6.25023E-05	0.000129084
2625	7.17519E-05	7.49598E-05	1.59471E-05	5.94189E-05	0.000133802	7.14086E-05	7.42418E-05	1.14395E-05	5.94189E-05	0.000129526
2626	7.1454E-05	7.46511E-05	1.5838E-05	5.7913E-05	0.000134019	7.06847E-05	7.34722E-05	1.16834E-05	5.7913E-05	0.000129763
2627	7.14304E-05	7.46278E-05	1.58082E-05	5.69836E-05	0.000134194	7.03502E-05	7.31119E-05	1.18947E-05	5.69836E-05	0.000129956
2628	6.94753E-05	7.2586E-05	1.53631E-05	5.55296E-05	0.000119755	6.84658E-05	7.11556E-05	1.15335E-05	5.55296E-05	0.000116625
2629	6.78928E-05	7.09331E-05	1.50044E-05	5.39978E-05	0.000119575	6.68156E-05	6.94369E-05	1.13328E-05	5.39978E-05	0.000116424
2630	6.76962E-05	7.07315E-05	1.48943E-05	5.42458E-05	0.000118606	6.67858E-05	6.94142E-05	1.11502E-05	5.42458E-05	0.000115346
2631	7.10058E-05	7.41924E-05	1.55712E-05	5.74824E-05	0.000131567	7.02727E-05	7.30489E-05	1.15104E-05	5.74824E-05	0.000127032
2632	7.6609E-05	8.00485E-05	1.67759E-05	6.22743E-05	0.000129599	7.59156E-05	7.89194E-05	1.23366E-05	6.22743E-05	0.000124844
2633	8.18124E-05	8.54888E-05	1.78572E-05	6.62656E-05	0.000127992	8.10074E-05	8.42112E-05	1.31948E-05	6.62656E-05	0.000123059
2634	9.00219E-05	9.40626E-05	1.9731E-05	7.06222E-05	0.000127045	8.83053E-05	9.1761E-05	1.51612E-05	7.06222E-05	0.000122008
2635	0.00010077	0.00010528	2.23044E-05	7.52275E-05	9.68702E-05	9.74351E-05	0.000101183	1.80997E-05	7.52275E-05	9.39095E-05
2636	0.000104652	0.000109326	2.33539E-05	7.65666E-05	6.83987E-05	0.00010058	0.000104419	1.93277E-05	7.65666E-05	6.82492E-05
2637	0.00010299	0.000107614	2.25653E-05	7.29344E-05	5.27441E-05	9.82202E-05	0.000101971	1.88277E-05	7.29344E-05	5.35686E-05
2638	9.57411E-05	0.000100064	2.05386E-05	6.69468E-05	3.85143E-05	9.10952E-05	9.46024E-05	1.68598E-05	6.69468E-05	4.1018E-05
2639	8.40852E-05	8.78887E-05	1.79187E-05	6.00193E-05	3.791E-05	8.04602E-05	8.35866E-05	1.42856E-05	6.00193E-05	4.03471E-05
2640	7.41908E-05	7.75584E-05	1.56096E-05	5.55898E-05	3.76468E-05	7.19691E-05	7.48179E-05	1.16707E-05	5.55898E-05	4.00562E-05
2641	6.39637E-05	6.68783E-05	1.32608E-05	5.06589E-05	3.75553E-05	6.30564E-05	6.56063E-05	9.08438E-06	5.06589E-05	3.99566E-05
2642	6.13689E-05	6.41704E-05	1.26346E-05	5.04065E-05	3.79106E-05	6.11553E-05	6.36594E-05	8.15217E-06	5.04065E-05	4.03545E-05
2643	6.19949E-05	6.48213E-05	1.28265E-05	5.23953E-05	3.89749E-05	6.22765E-05	6.48448E-05	7.91356E-06	5.23953E-05	4.15418E-05
2644	6.65847E-05	6.96129E-05	1.39064E-05	5.76374E-05	4.10903E-05	6.73301E-05	7.0118E-05	8.31927E-06	5.76374E-05	4.38971E-05
2645	7.32307E-05	7.65585E-05	1.53403E-05	6.30784E-05	4.32778E-05	7.39365E-05	7.69872E-05	9.36465E-06	6.30784E-05	4.63299E-05
2646	7.83832E-05	8.19458E-05	1.64071E-05	6.59597E-05	4.36808E-05	7.86042E-05	8.18225E-05	1.0485E-05	6.59597E-05	4.62291E-05
2647	7.81292E-05	8.16523E-05	1.6841E-05	6.52738E-05	0.000134237	7.8076E-05	8.12249E-05	1.14263E-05	6.52738E-05	0.000130563
2648	7.39005E-05	7.72029E-05	1.64536E-05	6.25023E-05	0.000133401	7.39947E-05	7.69487E-05	1.14695E-05	6.25023E-05	0.000129084
2649	7.17519E-05	7.49598E-05	1.59471E-05	5.94189E-05	0.000133802	7.14086E-05	7.42418E-05	1.14395E-05	5.94189E-05	0.000129526
2650	7.1454E-05	7.46511E-05	1.5838E-05	5.7913E-05	0.000134019	7.06847E-05	7.34722E-05	1.16834E-05	5.7913E-05	0.000129763
2651	7.14304E-05	7.46278E-05	1.58082E-05	5.69836E-05	0.000134194	7.03502E-05	7.31119E-05	1.18947E-05	5.69836E-05	0.000129956

2652	6.94753E-05	7.2586E-05	1.53631E-05	5.55296E-05	0.000119755	6.84658E-05	7.11556E-05	1.15335E-05	5.55296E-05	0.000116625
2653	6.78928E-05	7.09331E-05	1.50044E-05	5.39978E-05	0.000119575	6.68156E-05	6.94369E-05	1.13328E-05	5.39978E-05	0.000116424
2654	6.76962E-05	7.07315E-05	1.48943E-05	5.42458E-05	0.000118606	6.67858E-05	6.94142E-05	1.11502E-05	5.42458E-05	0.000115346
2655	7.10058E-05	7.41924E-05	1.55712E-05	5.74824E-05	0.000131567	7.02727E-05	7.30489E-05	1.15104E-05	5.74824E-05	0.000127032
2656	7.6609E-05	8.00485E-05	1.67759E-05	6.22743E-05	0.000129599	7.59156E-05	7.89194E-05	1.23366E-05	6.22743E-05	0.000124844
2657	8.18124E-05	8.54888E-05	1.78572E-05	6.62656E-05	0.000127992	8.10074E-05	8.42112E-05	1.31948E-05	6.62656E-05	0.000123059
2658	9.00219E-05	9.40626E-05	1.9731E-05	7.06222E-05	0.000127045	8.83053E-05	9.1761E-05	1.51612E-05	7.06222E-05	0.000122008
2659	0.00010077	0.00010528	2.23044E-05	7.52275E-05	9.68702E-05	9.74351E-05	0.000101183	1.80997E-05	7.52275E-05	9.39095E-05
2660	0.000104652	0.000109326	2.33539E-05	7.65666E-05	6.83987E-05	0.00010058	0.000104419	1.93277E-05	7.65666E-05	6.82492E-05
2661	0.00010299	0.000107614	2.25653E-05	7.29344E-05	5.27441E-05	9.82202E-05	0.000101971	1.88277E-05	7.29344E-05	5.35686E-05
2662	9.57411E-05	0.000100064	2.05386E-05	6.69468E-05	3.85143E-05	9.10952E-05	9.46024E-05	1.68598E-05	6.69468E-05	4.1018E-05
2663	8.40852E-05	8.78887E-05	1.79187E-05	6.00193E-05	3.791E-05	8.04602E-05	8.35866E-05	1.42856E-05	6.00193E-05	4.03471E-05
2664	7.41908E-05	7.75584E-05	1.56096E-05	5.55898E-05	3.76468E-05	7.19691E-05	7.48179E-05	1.16707E-05	5.55898E-05	4.00562E-05
2665	6.39637E-05	6.68783E-05	1.32608E-05	5.06589E-05	3.75553E-05	6.30564E-05	6.56063E-05	9.08438E-06	5.06589E-05	3.99566E-05
2666	6.13689E-05	6.41704E-05	1.26346E-05	5.04065E-05	3.79106E-05	6.11553E-05	6.36594E-05	8.15217E-06	5.04065E-05	4.03545E-05
2667	6.19949E-05	6.48213E-05	1.28265E-05	5.23953E-05	3.89749E-05	6.22765E-05	6.48448E-05	7.91356E-06	5.23953E-05	4.15418E-05
2668	6.65847E-05	6.96129E-05	1.39064E-05	5.76374E-05	4.10903E-05	6.73301E-05	7.0118E-05	8.31927E-06	5.76374E-05	4.38971E-05
2669	7.32307E-05	7.65585E-05	1.53403E-05	6.30784E-05	4.32778E-05	7.39365E-05	7.69872E-05	9.36465E-06	6.30784E-05	4.63299E-05
2670	7.83832E-05	8.19458E-05	1.64071E-05	6.59597E-05	4.36808E-05	7.86042E-05	8.18225E-05	1.0485E-05	6.59597E-05	4.62291E-05
2671	7.81292E-05	8.16523E-05	1.6841E-05	6.52738E-05	0.000134237	7.8076E-05	8.12249E-05	1.14263E-05	6.52738E-05	0.000130563
2672	7.39005E-05	7.72029E-05	1.64536E-05	6.25023E-05	0.000133401	7.39947E-05	7.69487E-05	1.14695E-05	6.25023E-05	0.000129084
2673	7.17519E-05	7.49598E-05	1.59471E-05	5.94189E-05	0.000133802	7.14086E-05	7.42418E-05	1.14395E-05	5.94189E-05	0.000129526
2674	7.1454E-05	7.46511E-05	1.5838E-05	5.7913E-05	0.000134019	7.06847E-05	7.34722E-05	1.16834E-05	5.7913E-05	0.000129763
2675	7.14304E-05	7.46278E-05	1.58082E-05	5.69836E-05	0.000134194	7.03502E-05	7.31119E-05	1.18947E-05	5.69836E-05	0.000129956
2676	6.94753E-05	7.2586E-05	1.53631E-05	5.55296E-05	0.000119755	6.84658E-05	7.11556E-05	1.15335E-05	5.55296E-05	0.000116625
2677	6.78928E-05	7.09331E-05	1.50044E-05	5.39978E-05	0.000119575	6.68156E-05	6.94369E-05	1.13328E-05	5.39978E-05	0.000116424
2678	6.76962E-05	7.07315E-05	1.48943E-05	5.42458E-05	0.000118606	6.67858E-05	6.94142E-05	1.11502E-05	5.42458E-05	0.000115346
2679	7.10058E-05	7.41924E-05	1.55712E-05	5.74824E-05	0.000131567	7.02727E-05	7.30489E-05	1.15104E-05	5.74824E-05	0.000127032
2680	7.6609E-05	8.00485E-05	1.67759E-05	6.22743E-05	0.000129599	7.59156E-05	7.89194E-05	1.23366E-05	6.22743E-05	0.000124844
2681	8.18124E-05	8.54888E-05	1.78572E-05	6.62656E-05	0.000127992	8.10074E-05	8.42112E-05	1.31948E-05	6.62656E-05	0.000123059
2682	9.00219E-05	9.40626E-05	1.9731E-05	7.06222E-05	0.000127045	8.83053E-05	9.1761E-05	1.51612E-05	7.06222E-05	0.000122008
2683	0.00010077	0.00010528	2.23044E-05	7.52275E-05	9.68702E-05	9.74351E-05	0.000101183	1.80997E-05	7.52275E-05	9.39095E-05
2684	0.000104652	0.000109326	2.33539E-05	7.65666E-05	6.83987E-05	0.00010058	0.000104419	1.93277E-05	7.65666E-05	6.82492E-05
2685	0.00010299	0.000107614	2.25653E-05	7.29344E-05	5.27441E-05	9.82202E-05	0.000101971	1.88277E-05	7.29344E-05	5.35686E-05
2686	9.57411E-05	0.000100064	2.05386E-05	6.69468E-05	3.85143E-05	9.10952E-05	9.46024E-05	1.68598E-05	6.69468E-05	4.1018E-05
2687	8.40852E-05	8.78887E-05	1.79187E-05	6.00193E-05	3.791E-05	8.04602E-05	8.35866E-05	1.42856E-05	6.00193E-05	4.03471E-05
2688	7.41908E-05	7.75584E-05	1.56096E-05	5.55898E-05	3.76468E-05	7.19691E-05	7.48179E-05	1.16707E-05	5.55898E-05	4.00562E-05
2689	6.39637E-05	6.68783E-05	1.32608E-05	5.06589E-05	3.75553E-05	6.30564E-05	6.56063E-05	9.08438E-06	5.06589E-05	3.99566E-05
2690	6.13689E-05	6.41704E-05	1.26346E-05	5.04065E-05	3.79106E-05	6.11553E-05	6.36594E-05	8.15217E-06	5.04065E-05	4.03545E-05
2691	6.19949E-05	6.48213E-05	1.28265E-05	5.23953E-05	3.89749E-05	6.22765E-05	6.48448E-05	7.91356E-06	5.23953E-05	4.15418E-05
2692	6.65847E-05	6.96129E-05	1.39064E-05	5.76374E-05	4.10903E-05	6.73301E-05	7.0118E-05	8.31927E-06	5.76374E-05	4.38971E-05
2693	7.32307E-05	7.65585E-05	1.53403E-05	6.30784E-05	4.32778E-05	7.39365E-05	7.69872E-05	9.36465E-06	6.30784E-05	4.63299E-05
2694	7.83832E-05	8.19458E-05	1.64071E-05	6.59597E-05	4.36808E-05	7.86042E-05	8.18225E-05	1.0485E-05	6.59597E-05	4.62291E-05
2695	7.81292E-05	8.16523E-05	1.6841E-05	6.52738E-05	0.000134237	7.8076E-05	8.12249E-05	1.14263E-05	6.52738E-05	0.000130563
2696	7.39005E-05	7.72029E-05	1.64536E-05	6.25023E-05	0.000133401	7.39947E-05	7.69487E-05	1.14695E-05	6.25023E-05	0.000129084
2697	7.17519E-05	7.49598E-05	1.59471E-05	5.94189E-05	0.000133802	7.14086E-05	7.42418E-05	1.14395E-05	5.94189E-05	0.000129526
2698	7.1454E-05	7.46511E-05	1.5838E-05	5.7913E-05	0.000134019	7.06847E-05	7.34722E-05	1.16834E-05	5.7913E-05	0.000129763
2699	7.14304E-05	7.46278E-05	1.58082E-05	5.69836E-05	0.000134194	7.03502E-05	7.31119E-05	1.18947E-05	5.69836E-05	0.000129956
2700	6.94753E-05	7.2586E-05	1.53631E-05	5.55296E-05	0.000119755	6.84658E-05	7.11556E-05	1.15335E-05	5.55296E-05	0.000116625
2701	6.78928E-05	7.09331E-05	1.50044E-05	5.39978E-05	0.000119575	6.68156E-05	6.94369E-05	1.13328E-05	5.39978E-05	0.000116424
2702	6.76962E-05	7.07315E-05	1.48943E-05	5.42458E-05	0.000118606	6.67858E-05	6.94142E-05	1.11502E-05	5.42458E-05	0.000115346
2703	7.10058E-05	7.41924E-05	1.55712E-05	5.74824E-05	0.000131567	7.02727E-05	7.30489E-05	1.15104E-05	5.74824E-05	0.000127032
2704	7.6609E-05	8.00485E-05	1.67759E-05	6.22743E-05	0.000129599	7.59156E-05	7.89194E-05	1.23366E-05	6.22743E-05	0.000124844
2705	8.18124E-05	8.54888E-05	1.78572E-05	6.62656E-05	0.000127992	8.10074E-05	8.42112E-05	1.31948E-05	6.62656E-05	0.000123059
2706	9.00219E-05	9.40626E-05	1.9731E-05	7.06222E-05	0.000127045	8.83053E-05	9.1761E-05	1.51612E-05	7.06222E-05	0.000122008
2707	0.00010077	0.00010528	2.23044E-05	7.52275E-05	9.68702E-05	9.74351E-05	0.000101183	1.80997E-05	7.52275E-05	9.39095E-05
2708	0.000104652	0.000109326	2.33539E-05	7.65666E-05	6.83987E-05	0.00010058	0.000104419	1.93277E-05	7.65666E-05	6.82492E-05
2709	0.00010299	0.000107614	2.25653E-05	7.29344E-05	5.27441E-05	9.82202E-05	0.000101971	1.88277E-05	7.29344E-05	5.35686E-05
2710	9.57411E-05	0.000100064	2.05386E-05	6.69468E-05	3.85143E-05	9.10952E-05	9.46024E-05	1.68598E-05	6.69468E-05	4.1018E-05
2711	8.40852E-05	8.78887E-05	1.79187E-05	6.00193E-05	3.791E-05	8.04602E-05	8.35866E-05	1.42856E-05	6.00193E-05	4.03471E-05
2712	7.41908E-05	7.75584E-05	1.56096E-05	5.55898E-05	3.76468E-05	7.19691E-05	7.48179E-05	1.16707E-05	5.55898E-05	4.00562E-05
2713	6.36836E-05	6.65866E-05	1.31821E-05	5.02776E-05	3.75639E-05	6.27307E-05	6.52661E-05	9.06629E-06	5.02776E-05	3.99658E-05
2714	6.11179E-05	6.39091E-05	1.25614E-05	5.00487E-05	3.79235E-05	6.08586E-05	6.33493E-05	8.13825E-06	5.00487E-05	4.03684E-05
2715	6.17919E-05	6.46103E-05	1.27641E-05	5.20861E-05	3.89842E-05	6.20307E-05	6.45879E-05	7.90511E-06	5.20861E-05	4.15516E-05
2716	6.64038E-05	6.94254E-05	1.38399E-05	5.72958E-05	4.11018E-05	6.70914E-05	6.9868E-05	8.32104E-06	5.72958E-05	4.39098E-05
2717	7.31468E-05	7.64723E-05	1.52963E-05	6.28395E-05	4.33121E-05	7.38019E-05	7.68456E-05	9.37681E-06	6.28395E-05	4.63679E-05
2718	7.82817E-05	8.1841E-05	1.63641E-05	6.57333E-05	4.37342E-05	7.846E-05	8.16712E-05	1.04909E-05	6.57333E-05	4.62882E-05
2719	7.95779E-05	8.31831E-05	1.68625E-05	6.5219E-05	0.000134282	7.91473E-05	8.23443E-05	1.14777E-05	6.5219E-05	0.000130613
2720	7.36556E-05	7.69476E-05	1.6388E-05	6.21887E-05	0.000133483	7.37158E-05	7.66574E-05	1.14508E-05	6.21887E-05	0.000129176
2721	7.14724E-05	7.46686E-05	1.58719E-05	5.90593E-05	0.000133937	7.10898E-05	7.3909E-05	1.14185E-05	5.90593E-05	0.000129676
2722	7.12387E-05	7.44267E-05	1.57796E-05	5.76335E-05	0.000134162	7.04384E-05	7.3215E-05	1.16675E-05	5.76335E-05	0.000129922
2723	7.1221E-05	7.44096E-05	1.5752E-05	5.67144E-05	0.000134351	7.01114E-05	7.28626E-05	1.18789E-05	5.67144E-05	0.00013013
2724	6.93269E-05	7.24316E-05	1.53187E-05	5.5311E-05	0.000119848	6.82884E-05	7.09701E-05	1.15263E-05	5.5311E-05	0.000116728
2725	6.77534E-05	7.07882E-05	1.49613E-05	5.3784E-05	0.000119661	6.66464E-05	6.92599E-05	1.13272E-05	5.3784E-05	0.000116519
2726	6.76008E-05	7.06324E-05	1.48632E-05	5.409E-05	0.000118687	6.66672E-05	6.92902E-05	1.11478E-05	5.409E-05	0.000115435
2727	7.08567E-05	7.40371E-05	1.55305E-05	5.72873E-05	0.000131627	7.01017E-05	7.28703E-05	1.14996E-05	5.72873E-05	0.000127097

2728	7.65256E-05	7.99617E-05	1.67499E-05	6.21451E-05	0.000129627	7.58139E-05	7.88131E-05	1.23335E-05	6.21451E-05	0.000124875
2729	8.18865E-05	8.55658E-05	1.78802E-05	6.63795E-05	0.000127995	8.10974E-05	8.43053E-05	1.31978E-05	6.63795E-05	0.000123062
2730	9.00827E-05	9.41258E-05	1.97498E-05	7.07154E-05	0.000127041	8.83791E-05	9.18381E-05	1.51636E-05	7.07154E-05	0.000122003
2731	0.000100821	0.000105334	2.23126E-05	7.52593E-05	9.68558E-05	9.74832E-05	0.000101233	1.81083E-05	7.52593E-05	9.38936E-05
2732	0.000104723	0.0001094	2.33579E-05	7.65658E-05	6.8397E-05	0.000100633	0.000104473	1.93458E-05	7.65658E-05	6.82476E-05
2733	0.000101393	0.000105929	2.24944E-05	7.27405E-05	5.27227E-05	9.69626E-05	0.000100657	1.87734E-05	7.27405E-05	5.35452E-05
2734	9.57546E-05	0.000100079	2.05362E-05	6.69276E-05	3.84968E-05	9.10998E-05	9.4607E-05	1.68659E-05	6.69276E-05	4.09989E-05
2735	8.41422E-05	8.79486E-05	1.79278E-05	6.00545E-05	3.78905E-05	8.05139E-05	8.36424E-05	1.42953E-05	6.00545E-05	4.03257E-05
2736	7.4227E-05	7.75962E-05	1.56166E-05	5.56195E-05	3.76157E-05	7.20054E-05	7.48557E-05	1.16758E-05	5.56195E-05	4.00219E-05
2737	6.36836E-05	6.65866E-05	1.31821E-05	5.02776E-05	3.75639E-05	6.27307E-05	6.52661E-05	9.06629E-06	5.02776E-05	3.99658E-05
2738	6.11179E-05	6.39091E-05	1.25614E-05	5.00487E-05	3.79235E-05	6.08586E-05	6.33493E-05	8.13825E-06	5.00487E-05	4.03684E-05
2739	6.17919E-05	6.46103E-05	1.27641E-05	5.20861E-05	3.89842E-05	6.20307E-05	6.45879E-05	7.90511E-06	5.20861E-05	4.15516E-05
2740	6.64038E-05	6.94254E-05	1.38399E-05	5.72958E-05	4.11018E-05	6.70914E-05	6.9868E-05	8.32104E-06	5.72958E-05	4.39098E-05
2741	7.31468E-05	7.64723E-05	1.52963E-05	6.28395E-05	4.33121E-05	7.38019E-05	7.68456E-05	9.37681E-06	6.28395E-05	4.63679E-05
2742	7.82817E-05	8.1841E-05	1.63641E-05	6.57333E-05	4.37342E-05	7.846E-05	8.16712E-05	1.04909E-05	6.57333E-05	4.62882E-05
2743	7.95779E-05	8.31831E-05	1.68625E-05	6.5219E-05	0.000134282	7.91473E-05	8.23443E-05	1.14777E-05	6.5219E-05	0.000130613
2744	7.36556E-05	7.69476E-05	1.6388E-05	6.21887E-05	0.000133483	7.37158E-05	7.66574E-05	1.14508E-05	6.21887E-05	0.000129176
2745	7.14724E-05	7.46686E-05	1.58719E-05	5.90593E-05	0.000133937	7.10898E-05	7.3909E-05	1.14185E-05	5.90593E-05	0.000129676
2746	7.12387E-05	7.44267E-05	1.57796E-05	5.76335E-05	0.000134162	7.04384E-05	7.3215E-05	1.16675E-05	5.76335E-05	0.000129922
2747	7.1221E-05	7.44096E-05	1.5752E-05	5.67144E-05	0.000134351	7.01114E-05	7.28626E-05	1.18789E-05	5.67144E-05	0.00013013
2748	6.93269E-05	7.24316E-05	1.53187E-05	5.5311E-05	0.000119848	6.82884E-05	7.09701E-05	1.15263E-05	5.5311E-05	0.000116728
2749	6.77534E-05	7.07882E-05	1.49613E-05	5.3784E-05	0.000119661	6.66464E-05	6.92599E-05	1.13272E-05	5.3784E-05	0.000116519
2750	6.76008E-05	7.06324E-05	1.48632E-05	5.409E-05	0.000118687	6.66672E-05	6.92902E-05	1.11478E-05	5.409E-05	0.000115435
2751	7.08567E-05	7.40371E-05	1.55305E-05	5.72873E-05	0.000131627	7.01017E-05	7.28703E-05	1.14996E-05	5.72873E-05	0.000127097
2752	7.65256E-05	7.99617E-05	1.67499E-05	6.21451E-05	0.000129627	7.58139E-05	7.88131E-05	1.23335E-05	6.21451E-05	0.000124875
2753	8.18865E-05	8.55658E-05	1.78802E-05	6.63795E-05	0.000127995	8.10974E-05	8.43053E-05	1.31978E-05	6.63795E-05	0.000123062
2754	9.00827E-05	9.41258E-05	1.97498E-05	7.07154E-05	0.000127041	8.83791E-05	9.18381E-05	1.51636E-05	7.07154E-05	0.000122003
2755	0.000100821	0.000105334	2.23126E-05	7.52593E-05	9.68558E-05	9.74832E-05	0.000101233	1.81083E-05	7.52593E-05	9.38936E-05
2756	0.000104723	0.0001094	2.33579E-05	7.65658E-05	6.8397E-05	0.000100633	0.000104473	1.93458E-05	7.65658E-05	6.82476E-05
2757	0.000101393	0.000105929	2.24944E-05	7.27405E-05	5.27227E-05	9.69626E-05	0.000100657	1.87734E-05	7.27405E-05	5.35452E-05
2758	9.57546E-05	0.000100079	2.05362E-05	6.69276E-05	3.84968E-05	9.10998E-05	9.4607E-05	1.68659E-05	6.69276E-05	4.09989E-05
2759	8.41422E-05	8.79486E-05	1.79278E-05	6.00545E-05	3.78905E-05	8.05139E-05	8.36424E-05	1.42953E-05	6.00545E-05	4.03257E-05
2760	7.4227E-05	7.75962E-05	1.56166E-05	5.56195E-05	3.76157E-05	7.20054E-05	7.48557E-05	1.16758E-05	5.56195E-05	4.00219E-05
2761	6.39637E-05	6.68783E-05	1.32608E-05	5.06589E-05	3.75553E-05	6.30564E-05	6.56063E-05	9.08438E-06	5.06589E-05	3.99566E-05
2762	6.13689E-05	6.41704E-05	1.26346E-05	5.04065E-05	3.79106E-05	6.11553E-05	6.36594E-05	8.15217E-06	5.04065E-05	4.03545E-05
2763	6.19949E-05	6.48213E-05	1.28265E-05	5.23953E-05	3.89749E-05	6.22765E-05	6.48448E-05	7.91356E-06	5.23953E-05	4.15418E-05
2764	6.65847E-05	6.96129E-05	1.39064E-05	5.76374E-05	4.10903E-05	6.73301E-05	7.0118E-05	8.31927E-06	5.76374E-05	4.38971E-05
2765	7.32307E-05	7.65585E-05	1.53403E-05	6.30784E-05	4.32778E-05	7.39365E-05	7.69872E-05	9.36465E-06	6.30784E-05	4.63299E-05
2766	7.83832E-05	8.19458E-05	1.64071E-05	6.59597E-05	4.36808E-05	7.86042E-05	8.18225E-05	1.0485E-05	6.59597E-05	4.62291E-05
2767	7.81292E-05	8.16523E-05	1.6841E-05	6.52738E-05	0.000134237	7.8076E-05	8.12249E-05	1.14263E-05	6.52738E-05	0.000130563
2768	7.39005E-05	7.72029E-05	1.64536E-05	6.25023E-05	0.000133401	7.39947E-05	7.69487E-05	1.14695E-05	6.25023E-05	0.000129084
2769	7.17519E-05	7.49598E-05	1.59471E-05	5.94189E-05	0.000133802	7.14086E-05	7.42418E-05	1.14395E-05	5.94189E-05	0.000129526
2770	7.1454E-05	7.46511E-05	1.5838E-05	5.7913E-05	0.000134019	7.06847E-05	7.34722E-05	1.16834E-05	5.7913E-05	0.000129763
2771	7.14304E-05	7.46278E-05	1.58082E-05	5.69836E-05	0.000134194	7.03502E-05	7.31119E-05	1.18947E-05	5.69836E-05	0.000129956
2772	6.94753E-05	7.2586E-05	1.53631E-05	5.55296E-05	0.000119755	6.84658E-05	7.11556E-05	1.15335E-05	5.55296E-05	0.000116625
2773	6.78928E-05	7.09331E-05	1.50044E-05	5.39978E-05	0.000119575	6.68156E-05	6.94369E-05	1.13328E-05	5.39978E-05	0.000116424
2774	6.76962E-05	7.07315E-05	1.48943E-05	5.42458E-05	0.000118606	6.67858E-05	6.94142E-05	1.11502E-05	5.42458E-05	0.000115346
2775	7.10058E-05	7.41924E-05	1.55712E-05	5.74824E-05	0.000131567	7.02727E-05	7.30489E-05	1.15104E-05	5.74824E-05	0.000127032
2776	7.6609E-05	8.00485E-05	1.67759E-05	6.22743E-05	0.000129599	7.59156E-05	7.89194E-05	1.23366E-05	6.22743E-05	0.000124844
2777	8.18124E-05	8.54888E-05	1.78572E-05	6.62656E-05	0.000127992	8.10074E-05	8.42112E-05	1.31948E-05	6.62656E-05	0.000123059
2778	9.00219E-05	9.40626E-05	1.9731E-05	7.06222E-05	0.000127045	8.83053E-05	9.1761E-05	1.51612E-05	7.06222E-05	0.000122008
2779	0.00010077	0.00010528	2.23044E-05	7.52275E-05	9.68702E-05	9.74351E-05	0.000101183	1.80997E-05	7.52275E-05	9.39095E-05
2780	0.000104652	0.000109326	2.33539E-05	7.65666E-05	6.83987E-05	0.00010058	0.000104419	1.93277E-05	7.65666E-05	6.82492E-05
2781	0.00010299	0.000107614	2.25653E-05	7.29344E-05	5.27441E-05	9.82202E-05	0.000101971	1.88277E-05	7.29344E-05	5.35686E-05
2782	9.57411E-05	0.000100064	2.05386E-05	6.69468E-05	3.85143E-05	9.10952E-05	9.46024E-05	1.68598E-05	6.69468E-05	4.1018E-05
2783	8.40852E-05	8.78887E-05	1.79187E-05	6.00193E-05	3.791E-05	8.04602E-05	8.35866E-05	1.42856E-05	6.00193E-05	4.03471E-05
2784	7.41908E-05	7.75584E-05	1.56096E-05	5.55898E-05	3.76468E-05	7.19691E-05	7.48179E-05	1.16707E-05	5.55898E-05	4.00562E-05
2785	6.39637E-05	6.68783E-05	1.32608E-05	5.06589E-05	3.75553E-05	6.30564E-05	6.56063E-05	9.08438E-06	5.06589E-05	3.99566E-05
2786	6.13689E-05	6.41704E-05	1.26346E-05	5.04065E-05	3.79106E-05	6.11553E-05	6.36594E-05	8.15217E-06	5.04065E-05	4.03545E-05
2787	6.19949E-05	6.48213E-05	1.28265E-05	5.23953E-05	3.89749E-05	6.22765E-05	6.48448E-05	7.91356E-06	5.23953E-05	4.15418E-05
2788	6.65847E-05	6.96129E-05	1.39064E-05	5.76374E-05	4.10903E-05	6.73301E-05	7.0118E-05	8.31927E-06	5.76374E-05	4.38971E-05
2789	7.32307E-05	7.65585E-05	1.53403E-05	6.30784E-05	4.32778E-05	7.39365E-05	7.69872E-05	9.36465E-06	6.30784E-05	4.63299E-05
2790	7.83832E-05	8.19458E-05	1.64071E-05	6.59597E-05	4.36808E-05	7.86042E-05	8.18225E-05	1.0485E-05	6.59597E-05	4.62291E-05
2791	7.81292E-05	8.16523E-05	1.6841E-05	6.52738E-05	0.000134237	7.8076E-05	8.12249E-05	1.14263E-05	6.52738E-05	0.000130563
2792	7.39005E-05	7.72029E-05	1.64536E-05	6.25023E-05	0.000133401	7.39947E-05	7.69487E-05	1.14695E-05	6.25023E-05	0.000129084
2793	7.17519E-05	7.49598E-05	1.59471E-05	5.94189E-05	0.000133802	7.14086E-05	7.42418E-05	1.14395E-05	5.94189E-05	0.000129526
2794	7.1454E-05	7.46511E-05	1.5838E-05	5.7913E-05	0.000134019	7.06847E-05	7.34722E-05	1.16834E-05	5.7913E-05	0.000129763
2795	7.14304E-05	7.46278E-05	1.58082E-05	5.69836E-05	0.000134194	7.03502E-05	7.31119E-05	1.18947E-05	5.69836E-05	0.000129956
2796	6.94753E-05	7.2586E-05	1.53631E-05	5.55296E-05	0.000119755	6.84658E-05	7.11556E-05	1.15335E-05	5.55296E-05	0.000116625
2797	6.78928E-05	7.09331E-05	1.50044E-05	5.39978E-05	0.000119575	6.68156E-05	6.94369E-05	1.13328E-05	5.39978E-05	0.000116424
2798	6.76962E-05	7.07315E-05	1.48943E-05	5.42458E-05	0.000118606	6.67858E-05	6.94142E-05	1.11502E-05	5.42458E-05	0.000115346
2799	7.10058E-05	7.41924E-05	1.55712E-05	5.74824E-05	0.000131567	7.02727E-05	7.30489E-05	1.15104E-05	5.74824E-05	0.000127032
2800	7.6609E-05	8.00485E-05	1.67759E-05	6.22743E-05	0.000129599	7.59156E-05	7.89194E-05	1.23366E-05	6.22743E-05	0.000124844
2801	8.18124E-05	8.54888E-05	1.78572E-05	6.62656E-05	0.000127992	8.10074E-05	8.42112E-05	1.31948E-05	6.62656E-05	0.000123059
2802	9.00219E-05	9.40626E-05	1.9731E-05	7.06222E-05	0.000127045	8.83053E-05	9.1761E-05	1.51612E-05	7.06222E-05	0.000122008
2803	0.00010077	0.00010528	2.23044E-05	7.52275E-05	9.68702E-05	9.74351E-05	0.000101183	1.80997E-05	7.52275E-05	9.39095E-05

2804	0.000104652	0.000109326	2.33539E-05	7.65666E-05	6.83987E-05	0.00010058	0.000104419	1.93277E-05	7.65666E-05	6.82492E-05
2805	0.00010299	0.000107614	2.25653E-05	7.29344E-05	5.27441E-05	9.82202E-05	0.000101971	1.88277E-05	7.29344E-05	5.35686E-05
2806	9.57411E-05	0.000100064	2.05386E-05	6.69468E-05	3.85143E-05	9.10952E-05	9.46024E-05	1.68598E-05	6.69468E-05	4.1018E-05
2807	8.40852E-05	8.78887E-05	1.79187E-05	6.00193E-05	3.791E-05	8.04602E-05	8.35866E-05	1.42856E-05	6.00193E-05	4.03471E-05
2808	7.41908E-05	7.75584E-05	1.56096E-05	5.55898E-05	3.76468E-05	7.19691E-05	7.48179E-05	1.16707E-05	5.55898E-05	4.00562E-05
2809	6.39637E-05	6.68783E-05	1.32608E-05	5.06589E-05	3.75553E-05	6.30564E-05	6.56063E-05	9.08438E-06	5.06589E-05	3.99566E-05
2810	6.13689E-05	6.41704E-05	1.26346E-05	5.04065E-05	3.79106E-05	6.11553E-05	6.36594E-05	8.15217E-06	5.04065E-05	4.03545E-05
2811	6.19949E-05	6.48213E-05	1.28265E-05	5.23953E-05	3.89749E-05	6.22765E-05	6.48448E-05	7.91356E-06	5.23953E-05	4.15418E-05
2812	6.65847E-05	6.96129E-05	1.39064E-05	5.76374E-05	4.10903E-05	6.73301E-05	7.0118E-05	8.31927E-06	5.76374E-05	4.38971E-05
2813	7.32307E-05	7.65585E-05	1.53403E-05	6.30784E-05	4.32778E-05	7.39365E-05	7.69872E-05	9.36465E-06	6.30784E-05	4.63299E-05
2814	7.83832E-05	8.19458E-05	1.64071E-05	6.59597E-05	4.36808E-05	7.86042E-05	8.18225E-05	1.0485E-05	6.59597E-05	4.62291E-05
2815	7.81292E-05	8.16523E-05	1.6841E-05	6.52738E-05	0.000134237	7.8076E-05	8.12249E-05	1.14263E-05	6.52738E-05	0.000130563
2816	7.39005E-05	7.72029E-05	1.64536E-05	6.25023E-05	0.000133401	7.39947E-05	7.69487E-05	1.14695E-05	6.25023E-05	0.000129084
2817	7.17519E-05	7.49598E-05	1.59471E-05	5.94189E-05	0.000133802	7.14086E-05	7.42418E-05	1.14395E-05	5.94189E-05	0.000129526
2818	7.1454E-05	7.46511E-05	1.5838E-05	5.7913E-05	0.000134019	7.06847E-05	7.34722E-05	1.16834E-05	5.7913E-05	0.000129763
2819	7.14304E-05	7.46278E-05	1.58082E-05	5.69836E-05	0.000134194	7.03502E-05	7.31119E-05	1.18947E-05	5.69836E-05	0.000129956
2820	6.94753E-05	7.2586E-05	1.53631E-05	5.55296E-05	0.000119755	6.84658E-05	7.11556E-05	1.15335E-05	5.55296E-05	0.000116625
2821	6.78928E-05	7.09331E-05	1.50044E-05	5.39978E-05	0.000119575	6.68156E-05	6.94369E-05	1.13328E-05	5.39978E-05	0.000116424
2822	6.76962E-05	7.07315E-05	1.48943E-05	5.42458E-05	0.000118606	6.67858E-05	6.94142E-05	1.11502E-05	5.42458E-05	0.000115346
2823	7.10058E-05	7.41924E-05	1.55712E-05	5.74824E-05	0.000131567	7.02727E-05	7.30489E-05	1.15104E-05	5.74824E-05	0.000127032
2824	7.6609E-05	8.00485E-05	1.67759E-05	6.22743E-05	0.000129599	7.59156E-05	7.89194E-05	1.23366E-05	6.22743E-05	0.000124844
2825	8.18124E-05	8.54888E-05	1.78572E-05	6.62656E-05	0.000127992	8.10074E-05	8.42112E-05	1.31948E-05	6.62656E-05	0.000123059
2826	9.00219E-05	9.40626E-05	1.9731E-05	7.06222E-05	0.000127045	8.83053E-05	9.1761E-05	1.51612E-05	7.06222E-05	0.000122008
2827	0.00010077	0.00010528	2.23044E-05	7.52275E-05	9.68702E-05	9.74351E-05	0.000101183	1.80997E-05	7.52275E-05	9.39095E-05
2828	0.000104652	0.000109326	2.33539E-05	7.65666E-05	6.83987E-05	0.00010058	0.000104419	1.93277E-05	7.65666E-05	6.82492E-05
2829	0.00010299	0.000107614	2.25653E-05	7.29344E-05	5.27441E-05	9.82202E-05	0.000101971	1.88277E-05	7.29344E-05	5.35686E-05
2830	9.57411E-05	0.000100064	2.05386E-05	6.69468E-05	3.85143E-05	9.10952E-05	9.46024E-05	1.68598E-05	6.69468E-05	4.1018E-05
2831	8.40852E-05	8.78887E-05	1.79187E-05	6.00193E-05	3.791E-05	8.04602E-05	8.35866E-05	1.42856E-05	6.00193E-05	4.03471E-05
2832	7.41908E-05	7.75584E-05	1.56096E-05	5.55898E-05	3.76468E-05	7.19691E-05	7.48179E-05	1.16707E-05	5.55898E-05	4.00562E-05
2833	6.39637E-05	6.68783E-05	1.32608E-05	5.06589E-05	3.75553E-05	6.30564E-05	6.56063E-05	9.08438E-06	5.06589E-05	3.99566E-05
2834	6.13689E-05	6.41704E-05	1.26346E-05	5.04065E-05	3.79106E-05	6.11553E-05	6.36594E-05	8.15217E-06	5.04065E-05	4.03545E-05
2835	6.19949E-05	6.48213E-05	1.28265E-05	5.23953E-05	3.89749E-05	6.22765E-05	6.48448E-05	7.91356E-06	5.23953E-05	4.15418E-05
2836	6.65847E-05	6.96129E-05	1.39064E-05	5.76374E-05	4.10903E-05	6.73301E-05	7.0118E-05	8.31927E-06	5.76374E-05	4.38971E-05
2837	7.32307E-05	7.65585E-05	1.53403E-05	6.30784E-05	4.32778E-05	7.39365E-05	7.69872E-05	9.36465E-06	6.30784E-05	4.63299E-05
2838	7.83832E-05	8.19458E-05	1.64071E-05	6.59597E-05	4.36808E-05	7.86042E-05	8.18225E-05	1.0485E-05	6.59597E-05	4.62291E-05
2839	7.81292E-05	8.16523E-05	1.6841E-05	6.52738E-05	0.000134237	7.8076E-05	8.12249E-05	1.14263E-05	6.52738E-05	0.000130563
2840	7.39005E-05	7.72029E-05	1.64536E-05	6.25023E-05	0.000133401	7.39947E-05	7.69487E-05	1.14695E-05	6.25023E-05	0.000129084
2841	7.17519E-05	7.49598E-05	1.59471E-05	5.94189E-05	0.000133802	7.14086E-05	7.42418E-05	1.14395E-05	5.94189E-05	0.000129526
2842	7.1454E-05	7.46511E-05	1.5838E-05	5.7913E-05	0.000134019	7.06847E-05	7.34722E-05	1.16834E-05	5.7913E-05	0.000129763
2843	7.14304E-05	7.46278E-05	1.58082E-05	5.69836E-05	0.000134194	7.03502E-05	7.31119E-05	1.18947E-05	5.69836E-05	0.000129956
2844	6.94753E-05	7.2586E-05	1.53631E-05	5.55296E-05	0.000119755	6.84658E-05	7.11556E-05	1.15335E-05	5.55296E-05	0.000116625
2845	6.78928E-05	7.09331E-05	1.50044E-05	5.39978E-05	0.000119575	6.68156E-05	6.94369E-05	1.13328E-05	5.39978E-05	0.000116424
2846	6.76962E-05	7.07315E-05	1.48943E-05	5.42458E-05	0.000118606	6.67858E-05	6.94142E-05	1.11502E-05	5.42458E-05	0.000115346
2847	7.10058E-05	7.41924E-05	1.55712E-05	5.74824E-05	0.000131567	7.02727E-05	7.30489E-05	1.15104E-05	5.74824E-05	0.000127032
2848	7.6609E-05	8.00485E-05	1.67759E-05	6.22743E-05	0.000129599	7.59156E-05	7.89194E-05	1.23366E-05	6.22743E-05	0.000124844
2849	8.18124E-05	8.54888E-05	1.78572E-05	6.62656E-05	0.000127992	8.10074E-05	8.42112E-05	1.31948E-05	6.62656E-05	0.000123059
2850	9.00219E-05	9.40626E-05	1.9731E-05	7.06222E-05	0.000127045	8.83053E-05	9.1761E-05	1.51612E-05	7.06222E-05	0.000122008
2851	0.00010077	0.00010528	2.23044E-05	7.52275E-05	9.68702E-05	9.74351E-05	0.000101183	1.80997E-05	7.52275E-05	9.39095E-05
2852	0.000104652	0.000109326	2.33539E-05	7.65666E-05	6.83987E-05	0.00010058	0.000104419	1.93277E-05	7.65666E-05	6.82492E-05
2853	0.00010299	0.000107614	2.25653E-05	7.29344E-05	5.27441E-05	9.82202E-05	0.000101971	1.88277E-05	7.29344E-05	5.35686E-05
2854	9.57411E-05	0.000100064	2.05386E-05	6.69468E-05	3.85143E-05	9.10952E-05	9.46024E-05	1.68598E-05	6.69468E-05	4.1018E-05
2855	8.40852E-05	8.78887E-05	1.79187E-05	6.00193E-05	3.791E-05	8.04602E-05	8.35866E-05	1.42856E-05	6.00193E-05	4.03471E-05
2856	7.41908E-05	7.75584E-05	1.56096E-05	5.55898E-05	3.76468E-05	7.19691E-05	7.48179E-05	1.16707E-05	5.55898E-05	4.00562E-05
2857	6.39637E-05	6.68783E-05	1.32608E-05	5.06589E-05	3.75553E-05	6.30564E-05	6.56063E-05	9.08438E-06	5.06589E-05	3.99566E-05
2858	6.13689E-05	6.41704E-05	1.26346E-05	5.04065E-05	3.79106E-05	6.11553E-05	6.36594E-05	8.15217E-06	5.04065E-05	4.03545E-05
2859	6.19949E-05	6.48213E-05	1.28265E-05	5.23953E-05	3.89749E-05	6.22765E-05	6.48448E-05	7.91356E-06	5.23953E-05	4.15418E-05
2860	6.65847E-05	6.96129E-05	1.39064E-05	5.76374E-05	4.10903E-05	6.73301E-05	7.0118E-05	8.31927E-06	5.76374E-05	4.38971E-05
2861	7.32307E-05	7.65585E-05	1.53403E-05	6.30784E-05	4.32778E-05	7.39365E-05	7.69872E-05	9.36465E-06	6.30784E-05	4.63299E-05
2862	7.83832E-05	8.19458E-05	1.64071E-05	6.59597E-05	4.36808E-05	7.86042E-05	8.18225E-05	1.0485E-05	6.59597E-05	4.62291E-05
2863	7.81292E-05	8.16523E-05	1.6841E-05	6.52738E-05	0.000134237	7.8076E-05	8.12249E-05	1.14263E-05	6.52738E-05	0.000130563
2864	7.39005E-05	7.72029E-05	1.64536E-05	6.25023E-05	0.000133401	7.39947E-05	7.69487E-05	1.14695E-05	6.25023E-05	0.000129084
2865	7.17519E-05	7.49598E-05	1.59471E-05	5.94189E-05	0.000133802	7.14086E-05	7.42418E-05	1.14395E-05	5.94189E-05	0.000129526
2866	7.1454E-05	7.46511E-05	1.5838E-05	5.7913E-05	0.000134019	7.06847E-05	7.34722E-05	1.16834E-05	5.7913E-05	0.000129763
2867	7.14304E-05	7.46278E-05	1.58082E-05	5.69836E-05	0.000134194	7.03502E-05	7.31119E-05	1.18947E-05	5.69836E-05	0.000129956
2868	6.94753E-05	7.2586E-05	1.53631E-05	5.55296E-05	0.000119755	6.84658E-05	7.11556E-05	1.15335E-05	5.55296E-05	0.000116625
2869	6.78928E-05	7.09331E-05	1.50044E-05	5.39978E-05	0.000119575	6.68156E-05	6.94369E-05	1.13328E-05	5.39978E-05	0.000116424
2870	6.76962E-05	7.07315E-05	1.48943E-05	5.42458E-05	0.000118606	6.67858E-05	6.94142E-05	1.11502E-05	5.42458E-05	0.000115346
2871	7.10058E-05	7.41924E-05	1.55712E-05	5.74824E-05	0.000131567	7.02727E-05	7.30489E-05	1.15104E-05	5.74824E-05	0.000127032
2872	7.6609E-05	8.00485E-05	1.67759E-05	6.22743E-05	0.000129599	7.59156E-05	7.89194E-05	1.23366E-05	6.22743E-05	0.000124844
2873	8.18124E-05	8.54888E-05	1.78572E-05	6.62656E-05	0.000127992	8.10074E-05	8.42112E-05	1.31948E-05	6.62656E-05	0.000123059
2874	9.00219E-05	9.40626E-05	1.9731E-05	7.06222E-05	0.000127045	8.83053E-05	9.1761E-05	1.51612E-05	7.06222E-05	0.000122008
2875	0.00010077	0.00010528	2.23044E-05	7.52275E-05	9.68702E-05	9.74351E-05	0.000101183	1.80997E-05	7.52275E-05	9.39095E-05
2876	0.000104652	0.000109326	2.33539E-05	7.65666E-05	6.83987E-05	0.00010058	0.000104419	1.93277E-05	7.65666E-05	6.82492E-05
2877	0.00010299	0.000107614	2.25653E-05	7.29344E-05	5.27441E-05	9.82202E-05	0.000101971	1.88277E-05	7.29344E-05	5.35686E-05
2878	9.57411E-05	0.000100064	2.05386E-05	6.69468E-05	3.85143E-05	9.10952E-05	9.46024E-05	1.68598E-05	6.69468E-05	4.1018E-05
2879	8.40852E-05	8.78887E-05	1.79187E-05	6.00193E-05	3.791E-05	8.04602E-05	8.35866E-05	1.42856E-05	6.00193E-05	4.03471E-05

2880	7.41908E-05	7.75584E-05	1.56096E-05	5.55898E-05	3.76468E-05	7.19691E-05	7.48179E-05	1.16707E-05	5.55898E-05	4.00562E-05
2881	6.36836E-05	6.65866E-05	1.31821E-05	5.02776E-05	3.75639E-05	6.27307E-05	6.52661E-05	9.06629E-06	5.02776E-05	3.99658E-05
2882	6.11179E-05	6.39091E-05	1.25614E-05	5.00487E-05	3.79235E-05	6.08586E-05	6.33493E-05	8.13825E-06	5.00487E-05	4.03684E-05
2883	6.17919E-05	6.46103E-05	1.27641E-05	5.20861E-05	3.89842E-05	6.20307E-05	6.45879E-05	7.90511E-06	5.20861E-05	4.15516E-05
2884	6.64038E-05	6.94254E-05	1.38399E-05	5.72958E-05	4.11018E-05	6.70914E-05	6.9868E-05	8.32104E-06	5.72958E-05	4.39098E-05
2885	7.31468E-05	7.64723E-05	1.52963E-05	6.28395E-05	4.33121E-05	7.38019E-05	7.68456E-05	9.37681E-06	6.28395E-05	4.63679E-05
2886	7.82817E-05	8.1841E-05	1.63641E-05	6.57333E-05	4.37342E-05	7.846E-05	8.16712E-05	1.04909E-05	6.57333E-05	4.62882E-05
2887	7.95779E-05	8.31831E-05	1.68625E-05	6.5219E-05	0.000134282	7.91473E-05	8.23443E-05	1.14777E-05	6.5219E-05	0.000130613
2888	7.36556E-05	7.69476E-05	1.6388E-05	6.21887E-05	0.000133483	7.37158E-05	7.66574E-05	1.14508E-05	6.21887E-05	0.000129176
2889	7.14724E-05	7.46686E-05	1.58719E-05	5.90593E-05	0.000133937	7.10898E-05	7.3909E-05	1.14185E-05	5.90593E-05	0.000129676
2890	7.12387E-05	7.44267E-05	1.57796E-05	5.76335E-05	0.000134162	7.04384E-05	7.3215E-05	1.16675E-05	5.76335E-05	0.000129922
2891	7.1221E-05	7.44096E-05	1.5752E-05	5.67144E-05	0.000134351	7.01114E-05	7.28626E-05	1.18789E-05	5.67144E-05	0.00013013
2892	6.93269E-05	7.24316E-05	1.53187E-05	5.5311E-05	0.000119848	6.82884E-05	7.09701E-05	1.15263E-05	5.5311E-05	0.000116728
2893	6.77534E-05	7.07882E-05	1.49613E-05	5.3784E-05	0.000119661	6.66464E-05	6.92599E-05	1.13272E-05	5.3784E-05	0.000116519
2894	6.76008E-05	7.06324E-05	1.48632E-05	5.409E-05	0.000118687	6.66672E-05	6.92902E-05	1.11478E-05	5.409E-05	0.000115435
2895	7.08567E-05	7.40371E-05	1.55305E-05	5.72873E-05	0.000131627	7.01017E-05	7.28703E-05	1.14996E-05	5.72873E-05	0.000127097
2896	7.65256E-05	7.99617E-05	1.67499E-05	6.21451E-05	0.000129627	7.58139E-05	7.88131E-05	1.23335E-05	6.21451E-05	0.000124875
2897	8.18865E-05	8.55658E-05	1.78802E-05	6.63795E-05	0.000127995	8.10974E-05	8.43053E-05	1.31978E-05	6.63795E-05	0.000123062
2898	9.00827E-05	9.41258E-05	1.97498E-05	7.07154E-05	0.000127041	8.83791E-05	9.18381E-05	1.51636E-05	7.07154E-05	0.000122003
2899	0.000100821	0.000105334	2.23126E-05	7.52593E-05	9.68558E-05	9.74832E-05	0.000101233	1.81083E-05	7.52593E-05	9.38936E-05
2900	0.000104723	0.0001094	2.33579E-05	7.65658E-05	6.8397E-05	0.000100633	0.000104473	1.93458E-05	7.65658E-05	6.82476E-05
2901	0.000101393	0.000105929	2.24944E-05	7.27405E-05	5.27227E-05	9.69626E-05	0.000100657	1.87734E-05	7.27405E-05	5.35452E-05
2902	9.57546E-05	0.000100079	2.05362E-05	6.69276E-05	3.84968E-05	9.10998E-05	9.4607E-05	1.68659E-05	6.69276E-05	4.09989E-05
2903	8.41422E-05	8.79486E-05	1.79278E-05	6.00545E-05	3.78905E-05	8.05139E-05	8.36424E-05	1.42953E-05	6.00545E-05	4.03257E-05
2904	7.4227E-05	7.75962E-05	1.56166E-05	5.56195E-05	3.76157E-05	7.20054E-05	7.48557E-05	1.16758E-05	5.56195E-05	4.00219E-05
2905	6.3397E-05	6.63057E-05	1.2799E-05	4.80376E-05	7.64968E-05	6.18486E-05	6.43308E-05	9.30852E-06	4.80376E-05	8.09339E-05
2906	5.88757E-05	6.15864E-05	1.17204E-05	4.57091E-05	7.89153E-05	5.78694E-05	6.02172E-05	8.17491E-06	4.57091E-05	8.344E-05
2907	5.9481E-05	6.22183E-05	1.18629E-05	4.74036E-05	8.3902E-05	5.88876E-05	6.12931E-05	7.97248E-06	4.74036E-05	8.86485E-05
2908	6.25961E-05	6.54682E-05	1.26344E-05	5.12881E-05	9.1017E-05	6.24194E-05	6.49814E-05	8.19137E-06	5.12881E-05	9.60991E-05
2909	6.7576E-05	7.06659E-05	1.38255E-05	5.58418E-05	9.90266E-05	6.74985E-05	7.02654E-05	8.93452E-06	5.58418E-05	0.000104503
2910	7.3121E-05	7.64609E-05	1.50211E-05	5.93696E-05	0.000105958	7.2656E-05	7.56131E-05	1.00644E-05	5.93696E-05	0.000111146
2911	7.61829E-05	7.96539E-05	1.58002E-05	5.9939E-05	0.000203086	7.50045E-05	7.80118E-05	1.13512E-05	5.9939E-05	0.000202315
2912	7.26321E-05	7.59019E-05	1.57518E-05	5.86648E-05	0.000205511	7.18935E-05	7.4738E-05	1.1685E-05	5.86648E-05	0.000204245
2913	7.31377E-05	7.64267E-05	1.5922E-05	5.87683E-05	0.000207475	7.22671E-05	7.51198E-05	1.18865E-05	5.87683E-05	0.000206332
2914	7.41361E-05	7.74675E-05	1.61842E-05	5.90682E-05	0.000207967	7.30628E-05	7.59378E-05	1.22082E-05	5.90682E-05	0.000206866
2915	7.49762E-05	7.83505E-05	1.6278E-05	5.85849E-05	0.000208071	7.3516E-05	7.63949E-05	1.25782E-05	5.85849E-05	0.000206991
2916	7.42259E-05	7.75667E-05	1.61095E-05	5.83904E-05	0.000193569	7.29195E-05	7.57811E-05	1.23484E-05	5.83904E-05	0.000193584
2917	7.51421E-05	7.8522E-05	1.63464E-05	5.96054E-05	0.000191757	7.39804E-05	7.68897E-05	1.24013E-05	5.96054E-05	0.00019169
2918	7.71185E-05	8.0589E-05	1.67453E-05	6.21872E-05	0.00018613	7.62919E-05	7.93083E-05	1.2447E-05	6.21872E-05	0.000185799
2919	8.32525E-05	8.70029E-05	1.80114E-05	6.80149E-05	0.00019348	8.26908E-05	8.59755E-05	1.31662E-05	6.80149E-05	0.000191722
2920	8.87347E-05	9.27349E-05	1.91463E-05	7.2423E-05	0.000186508	8.8128E-05	9.16295E-05	1.40155E-05	7.2423E-05	0.000184398
2921	9.1372E-05	9.54908E-05	1.97219E-05	7.42415E-05	0.000181351	9.06281E-05	9.42237E-05	1.45219E-05	7.42415E-05	0.000178967
2922	9.81221E-05	0.000102537	2.1329E-05	7.74897E-05	0.000178493	9.64898E-05	0.00010028	1.62702E-05	7.74897E-05	0.000175938
2923	0.000107455	0.000112276	2.35877E-05	8.06777E-05	0.000147418	0.000104125	0.000108145	1.90456E-05	8.06777E-05	0.000146904
2924	0.000109873	0.000114795	2.42542E-05	8.02002E-05	0.000116651	0.00010562	0.000109658	2.01542E-05	8.02002E-05	0.000118852
2925	0.000107016	0.000111818	2.34801E-05	7.67519E-05	9.82446E-05	0.00010242	0.00010633	1.96498E-05	7.67519E-05	0.000101334
2926	0.00010082	0.000105389	2.13404E-05	7.00293E-05	8.06297E-05	9.58637E-05	9.95552E-05	1.77276E-05	7.00293E-05	8.5293E-05
2927	8.71628E-05	9.11209E-05	1.83078E-05	6.1295E-05	7.79166E-05	8.3174E-05	8.63998E-05	1.48949E-05	6.1295E-05	8.24406E-05
2928	7.45696E-05	7.79729E-05	1.53668E-05	5.39692E-05	7.64038E-05	7.17757E-05	7.45999E-05	1.19963E-05	5.39692E-05	8.08449E-05
2929	6.30006E-05	6.58914E-05	1.27131E-05	4.76545E-05	7.7064E-05	6.14341E-05	6.3899E-05	9.26086E-06	4.76545E-05	8.15194E-05
2930	5.91307E-05	6.18534E-05	1.17663E-05	4.58986E-05	7.85066E-05	5.81192E-05	6.04769E-05	8.21359E-06	4.58986E-05	8.30137E-05
2931	5.94089E-05	6.21432E-05	1.18437E-05	4.73118E-05	8.34147E-05	5.88057E-05	6.12076E-05	7.96694E-06	4.73118E-05	8.81399E-05
2932	6.22955E-05	6.51541E-05	1.25677E-05	5.09884E-05	9.04382E-05	6.21024E-05	6.46511E-05	8.15653E-06	5.09884E-05	9.54951E-05
2933	6.73995E-05	7.0482E-05	1.37772E-05	5.56096E-05	9.81809E-05	6.72957E-05	7.00535E-05	8.92198E-06	5.56096E-05	0.000103618
2934	7.2832E-05	7.61594E-05	1.49494E-05	5.90344E-05	0.000104796	7.23372E-05	7.52806E-05	1.00376E-05	5.90344E-05	0.000109927
2935	7.43282E-05	7.76999E-05	1.56759E-05	5.95109E-05	0.000201552	7.34819E-05	7.64214E-05	1.12638E-05	5.95109E-05	0.000200706
2936	7.23821E-05	7.56402E-05	1.57043E-05	5.84643E-05	0.000203817	7.16442E-05	7.44787E-05	1.16492E-05	5.84643E-05	0.000202468
2937	7.29562E-05	7.62365E-05	1.58932E-05	5.86571E-05	0.000205782	7.20964E-05	7.49425E-05	1.18556E-05	5.86571E-05	0.000204555
2938	7.40864E-05	7.74157E-05	1.61707E-05	5.90035E-05	0.000206293	7.30059E-05	7.58784E-05	1.22046E-05	5.90035E-05	0.000205108
2939	7.50186E-05	7.83947E-05	1.62886E-05	5.86345E-05	0.000206444	7.35628E-05	7.64439E-05	1.25821E-05	5.86345E-05	0.00020528
2940	7.44709E-05	7.78229E-05	1.61609E-05	5.86173E-05	0.000192006	7.31727E-05	7.60449E-05	1.23793E-05	5.86173E-05	0.000191939
2941	7.56025E-05	7.90034E-05	1.6441E-05	6.00186E-05	0.000190368	7.44523E-05	7.7381E-05	1.24611E-05	6.00186E-05	0.000190228
2942	7.735E-05	8.08317E-05	1.67837E-05	6.23391E-05	0.000184943	7.65127E-05	7.95377E-05	1.2485E-05	6.23391E-05	0.000184545
2943	8.29474E-05	8.66844E-05	1.79397E-05	6.76854E-05	0.000192412	8.23616E-05	8.56322E-05	1.31344E-05	6.76854E-05	0.000190593
2944	8.7516E-05	9.14605E-05	1.88984E-05	7.13437E-05	0.000185398	8.68831E-05	9.03333E-05	1.38551E-05	7.13437E-05	0.000183226
2945	9.01128E-05	9.41741E-05	1.94616E-05	7.31004E-05	0.000180328	8.9334E-05	9.28761E-05	1.43598E-05	7.31004E-05	0.000177887
2946	9.69016E-05	0.00010126	2.10785E-05	7.63952E-05	0.000177559	9.52389E-05	9.89773E-05	1.61115E-05	7.63952E-05	0.000174954
2947	0.000106329	0.000111098	2.33593E-05	7.96844E-05	0.000146358	0.000102976	0.000106948	1.88969E-05	7.96844E-05	0.00014579
2948	0.000108801	0.000113673	2.40347E-05	7.92421E-05	0.000115651	0.000104522	0.000108514	2.00142E-05	7.92421E-05	0.0001178
2949	0.000107665	0.000112512	2.33499E-05	7.60554E-05	9.72632E-05	0.000102694	0.00010662	1.95865E-05	7.60554E-05	0.000100299
2950	0.000100081	0.000104617	2.11889E-05	6.93675E-05	7.97064E-05	9.51071E-05	9.87674E-05	1.76315E-05	6.93675E-05	8.43182E-05
2951	8.67091E-05	9.06466E-05	1.82124E-05	6.08746E-05	7.70741E-05	8.2705E-05	8.59114E-05	1.48379E-05	6.08746E-05	8.15502E-05
2952	7.4191E-05	7.7577E-05	1.52875E-05	5.36198E-05	7.56546E-05	7.13846E-05	7.41927E-05	1.19484E-05	5.36198E-05	8.00521E-05
2953	6.30006E-05	6.58914E-05	1.27131E-05	4.76545E-05	7.7064E-05	6.14341E-05	6.3899E-05	9.26086E-06	4.76545E-05	8.15194E-05
2954	5.91307E-05	6.18534E-05	1.17663E-05	4.58986E-05	7.85066E-05	5.81192E-05	6.04769E-05	8.21359E-06	4.58986E-05	8.30137E-05
2955	5.94089E-05	6.21432E-05	1.18437E-05	4.73118E-05	8.34147E-05	5.88057E-05	6.12076E-05	7.96694E-06	4.73118E-05	8.81399E-05

2956	6.22955E-05	6.51541E-05	1.25677E-05	5.09884E-05	9.04382E-05	6.21024E-05	6.46511E-05	8.15653E-06	5.09884E-05	9.54951E-05
2957	6.73995E-05	7.0482E-05	1.37772E-05	5.56096E-05	9.81809E-05	6.72957E-05	7.00535E-05	8.92198E-06	5.56096E-05	0.000103618
2958	7.2832E-05	7.61594E-05	1.49494E-05	5.90344E-05	0.000104796	7.23372E-05	7.52806E-05	1.00376E-05	5.90344E-05	0.000109927
2959	7.43282E-05	7.76999E-05	1.56759E-05	5.95109E-05	0.000201552	7.34819E-05	7.64214E-05	1.12638E-05	5.95109E-05	0.000200706
2960	7.23821E-05	7.56402E-05	1.57043E-05	5.84643E-05	0.000203817	7.16442E-05	7.44787E-05	1.16492E-05	5.84643E-05	0.000202468
2961	7.29562E-05	7.62365E-05	1.58932E-05	5.86571E-05	0.000205782	7.20964E-05	7.49425E-05	1.18556E-05	5.86571E-05	0.000204555
2962	7.40864E-05	7.74157E-05	1.61707E-05	5.90035E-05	0.000206293	7.30059E-05	7.58784E-05	1.22046E-05	5.90035E-05	0.000205108
2963	7.50186E-05	7.83947E-05	1.62886E-05	5.86345E-05	0.000206444	7.35628E-05	7.64439E-05	1.25821E-05	5.86345E-05	0.00020528
2964	7.44709E-05	7.78229E-05	1.61609E-05	5.86173E-05	0.000192006	7.31727E-05	7.60449E-05	1.23793E-05	5.86173E-05	0.000191939
2965	7.56025E-05	7.90034E-05	1.6441E-05	6.00186E-05	0.000190368	7.44523E-05	7.7381E-05	1.24611E-05	6.00186E-05	0.000190228
2966	7.735E-05	8.08317E-05	1.67837E-05	6.23391E-05	0.000184943	7.65127E-05	7.95377E-05	1.2485E-05	6.23391E-05	0.000184545
2967	8.29474E-05	8.66844E-05	1.79397E-05	6.76854E-05	0.000192412	8.23616E-05	8.56322E-05	1.31344E-05	6.76854E-05	0.000190593
2968	8.7516E-05	9.14605E-05	1.88984E-05	7.13437E-05	0.000185398	8.68831E-05	9.03333E-05	1.38551E-05	7.13437E-05	0.000183226
2969	9.01128E-05	9.41741E-05	1.94616E-05	7.31004E-05	0.000180328	8.9334E-05	9.28761E-05	1.43598E-05	7.31004E-05	0.000177887
2970	9.69016E-05	0.00010126	2.10785E-05	7.63952E-05	0.000177559	9.52389E-05	9.89773E-05	1.61115E-05	7.63952E-05	0.000174954
2971	0.000106329	0.000111098	2.33593E-05	7.96844E-05	0.000146358	0.000102976	0.000106948	1.88969E-05	7.96844E-05	0.00014579
2972	0.000108801	0.000113673	2.40347E-05	7.92421E-05	0.000115651	0.000104522	0.000108514	2.00142E-05	7.92421E-05	0.0001178
2973	0.000107665	0.000112512	2.33499E-05	7.60554E-05	9.72632E-05	0.000102694	0.00010662	1.95865E-05	7.60554E-05	0.000100299
2974	0.000100081	0.000104617	2.11889E-05	6.93675E-05	7.97064E-05	9.51071E-05	9.87674E-05	1.76315E-05	6.93675E-05	8.43182E-05
2975	8.67091E-05	9.06466E-05	1.82124E-05	6.08746E-05	7.70741E-05	8.2705E-05	8.59114E-05	1.48379E-05	6.08746E-05	8.15502E-05
2976	7.4191E-05	7.7577E-05	1.52875E-05	5.36198E-05	7.56546E-05	7.13846E-05	7.41927E-05	1.19484E-05	5.36198E-05	8.00521E-05
2977	6.30006E-05	6.58914E-05	1.27131E-05	4.76545E-05	7.7064E-05	6.14341E-05	6.3899E-05	9.26086E-06	4.76545E-05	8.15194E-05
2978	5.91307E-05	6.18534E-05	1.17663E-05	4.58986E-05	7.85066E-05	5.81192E-05	6.04769E-05	8.21359E-06	4.58986E-05	8.30137E-05
2979	5.94089E-05	6.21432E-05	1.18437E-05	4.73118E-05	8.34147E-05	5.88057E-05	6.12076E-05	7.96694E-06	4.73118E-05	8.81399E-05
2980	6.22955E-05	6.51541E-05	1.25677E-05	5.09884E-05	9.04382E-05	6.21024E-05	6.46511E-05	8.15653E-06	5.09884E-05	9.54951E-05
2981	6.73995E-05	7.0482E-05	1.37772E-05	5.56096E-05	9.81809E-05	6.72957E-05	7.00535E-05	8.92198E-06	5.56096E-05	0.000103618
2982	7.2832E-05	7.61594E-05	1.49494E-05	5.90344E-05	0.000104796	7.23372E-05	7.52806E-05	1.00376E-05	5.90344E-05	0.000109927
2983	7.43282E-05	7.76999E-05	1.56759E-05	5.95109E-05	0.000201552	7.34819E-05	7.64214E-05	1.12638E-05	5.95109E-05	0.000200706
2984	7.23821E-05	7.56402E-05	1.57043E-05	5.84643E-05	0.000203817	7.16442E-05	7.44787E-05	1.16492E-05	5.84643E-05	0.000202468
2985	7.29562E-05	7.62365E-05	1.58932E-05	5.86571E-05	0.000205782	7.20964E-05	7.49425E-05	1.18556E-05	5.86571E-05	0.000204555
2986	7.40864E-05	7.74157E-05	1.61707E-05	5.90035E-05	0.000206293	7.30059E-05	7.58784E-05	1.22046E-05	5.90035E-05	0.000205108
2987	7.50186E-05	7.83947E-05	1.62886E-05	5.86345E-05	0.000206444	7.35628E-05	7.64439E-05	1.25821E-05	5.86345E-05	0.00020528
2988	7.44709E-05	7.78229E-05	1.61609E-05	5.86173E-05	0.000192006	7.31727E-05	7.60449E-05	1.23793E-05	5.86173E-05	0.000191939
2989	7.56025E-05	7.90034E-05	1.6441E-05	6.00186E-05	0.000190368	7.44523E-05	7.7381E-05	1.24611E-05	6.00186E-05	0.000190228
2990	7.735E-05	8.08317E-05	1.67837E-05	6.23391E-05	0.000184943	7.65127E-05	7.95377E-05	1.2485E-05	6.23391E-05	0.000184545
2991	8.29474E-05	8.66844E-05	1.79397E-05	6.76854E-05	0.000192412	8.23616E-05	8.56322E-05	1.31344E-05	6.76854E-05	0.000190593
2992	8.7516E-05	9.14605E-05	1.88984E-05	7.13437E-05	0.000185398	8.68831E-05	9.03333E-05	1.38551E-05	7.13437E-05	0.000183226
2993	9.01128E-05	9.41741E-05	1.94616E-05	7.31004E-05	0.000180328	8.9334E-05	9.28761E-05	1.43598E-05	7.31004E-05	0.000177887
2994	9.69016E-05	0.00010126	2.10785E-05	7.63952E-05	0.000177559	9.52389E-05	9.89773E-05	1.61115E-05	7.63952E-05	0.000174954
2995	0.000106329	0.000111098	2.33593E-05	7.96844E-05	0.000146358	0.000102976	0.000106948	1.88969E-05	7.96844E-05	0.00014579
2996	0.000108801	0.000113673	2.40347E-05	7.92421E-05	0.000115651	0.000104522	0.000108514	2.00142E-05	7.92421E-05	0.0001178
2997	0.000107665	0.000112512	2.33499E-05	7.60554E-05	9.72632E-05	0.000102694	0.00010662	1.95865E-05	7.60554E-05	0.000100299
2998	0.000100081	0.000104617	2.11889E-05	6.93675E-05	7.97064E-05	9.51071E-05	9.87674E-05	1.76315E-05	6.93675E-05	8.43182E-05
2999	8.67091E-05	9.06466E-05	1.82124E-05	6.08746E-05	7.70741E-05	8.2705E-05	8.59114E-05	1.48379E-05	6.08746E-05	8.15502E-05
3000	7.4191E-05	7.7577E-05	1.52875E-05	5.36198E-05	7.56546E-05	7.13846E-05	7.41927E-05	1.19484E-05	5.36198E-05	8.00521E-05
3001	6.30006E-05	6.58914E-05	1.27131E-05	4.76545E-05	7.7064E-05	6.14341E-05	6.3899E-05	9.26086E-06	4.76545E-05	8.15194E-05
3002	5.91307E-05	6.18534E-05	1.17663E-05	4.58986E-05	7.85066E-05	5.81192E-05	6.04769E-05	8.21359E-06	4.58986E-05	8.30137E-05
3003	5.94089E-05	6.21432E-05	1.18437E-05	4.73118E-05	8.34147E-05	5.88057E-05	6.12076E-05	7.96694E-06	4.73118E-05	8.81399E-05
3004	6.22955E-05	6.51541E-05	1.25677E-05	5.09884E-05	9.04382E-05	6.21024E-05	6.46511E-05	8.15653E-06	5.09884E-05	9.54951E-05
3005	6.73995E-05	7.0482E-05	1.37772E-05	5.56096E-05	9.81809E-05	6.72957E-05	7.00535E-05	8.92198E-06	5.56096E-05	0.000103618
3006	7.2832E-05	7.61594E-05	1.49494E-05	5.90344E-05	0.000104796	7.23372E-05	7.52806E-05	1.00376E-05	5.90344E-05	0.000109927
3007	7.43282E-05	7.76999E-05	1.56759E-05	5.95109E-05	0.000201552	7.34819E-05	7.64214E-05	1.12638E-05	5.95109E-05	0.000200706
3008	7.23821E-05	7.56402E-05	1.57043E-05	5.84643E-05	0.000203817	7.16442E-05	7.44787E-05	1.16492E-05	5.84643E-05	0.000202468
3009	7.29562E-05	7.62365E-05	1.58932E-05	5.86571E-05	0.000205782	7.20964E-05	7.49425E-05	1.18556E-05	5.86571E-05	0.000204555
3010	7.40864E-05	7.74157E-05	1.61707E-05	5.90035E-05	0.000206293	7.30059E-05	7.58784E-05	1.22046E-05	5.90035E-05	0.000205108
3011	7.50186E-05	7.83947E-05	1.62886E-05	5.86345E-05	0.000206444	7.35628E-05	7.64439E-05	1.25821E-05	5.86345E-05	0.00020528
3012	7.44709E-05	7.78229E-05	1.61609E-05	5.86173E-05	0.000192006	7.31727E-05	7.60449E-05	1.23793E-05	5.86173E-05	0.000191939
3013	7.56025E-05	7.90034E-05	1.6441E-05	6.00186E-05	0.000190368	7.44523E-05	7.7381E-05	1.24611E-05	6.00186E-05	0.000190228
3014	7.735E-05	8.08317E-05	1.67837E-05	6.23391E-05	0.000184943	7.65127E-05	7.95377E-05	1.2485E-05	6.23391E-05	0.000184545
3015	8.29474E-05	8.66844E-05	1.79397E-05	6.76854E-05	0.000192412	8.23616E-05	8.56322E-05	1.31344E-05	6.76854E-05	0.000190593
3016	8.7516E-05	9.14605E-05	1.88984E-05	7.13437E-05	0.000185398	8.68831E-05	9.03333E-05	1.38551E-05	7.13437E-05	0.000183226
3017	9.01128E-05	9.41741E-05	1.94616E-05	7.31004E-05	0.000180328	8.9334E-05	9.28761E-05	1.43598E-05	7.31004E-05	0.000177887
3018	9.69016E-05	0.00010126	2.10785E-05	7.63952E-05	0.000177559	9.52389E-05	9.89773E-05	1.61115E-05	7.63952E-05	0.000174954
3019	0.000106329	0.000111098	2.33593E-05	7.96844E-05	0.000146358	0.000102976	0.000106948	1.88969E-05	7.96844E-05	0.00014579
3020	0.000108801	0.000113673	2.40347E-05	7.92421E-05	0.000115651	0.000104522	0.000108514	2.00142E-05	7.92421E-05	0.0001178
3021	0.000107665	0.000112512	2.33499E-05	7.60554E-05	9.72632E-05	0.000102694	0.00010662	1.95865E-05	7.60554E-05	0.000100299
3022	0.000100081	0.000104617	2.11889E-05	6.93675E-05	7.97064E-05	9.51071E-05	9.87674E-05	1.76315E-05	6.93675E-05	8.43182E-05
3023	8.67091E-05	9.06466E-05	1.82124E-05	6.08746E-05	7.70741E-05	8.2705E-05	8.59114E-05	1.48379E-05	6.08746E-05	8.15502E-05
3024	7.4191E-05	7.7577E-05	1.52875E-05	5.36198E-05	7.56546E-05	7.13846E-05	7.41927E-05	1.19484E-05	5.36198E-05	8.00521E-05
3025	6.30006E-05	6.58914E-05	1.27131E-05	4.76545E-05	7.7064E-05	6.14341E-05	6.3899E-05	9.26086E-06	4.76545E-05	8.15194E-05
3026	5.91307E-05	6.18534E-05	1.17663E-05	4.58986E-05	7.85066E-05	5.81192E-05	6.04769E-05	8.21359E-06	4.58986E-05	8.30137E-05
3027	5.94089E-05	6.21432E-05	1.18437E-05	4.73118E-05	8.34147E-05	5.88057E-05	6.12076E-05	7.96694E-06	4.73118E-05	8.81399E-05
3028	6.22955E-05	6.51541E-05	1.25677E-05	5.09884E-05	9.04382E-05	6.21024E-05	6.46511E-05	8.15653E-06	5.09884E-05	9.54951E-05
3029	6.73995E-05	7.0482E-05	1.37772E-05	5.56096E-05	9.81809E-05	6.72957E-05	7.00535E-05	8.92198E-06	5.56096E-05	0.000103618
3030	7.2832E-05	7.61594E-05	1.49494E-05	5.90344E-05	0.000104796	7.23372E-05	7.52806E-05	1.00376E-05	5.90344E-05	0.000109927
3031	7.43282E-05	7.76999E-05	1.56759E-05	5.95109E-05	0.000201552	7.34819E-05	7.64214E-05	1.12638E-05	5.95109E-05	0.000200706

3032	7.23821E-05	7.56402E-05	1.57043E-05	5.84643E-05	0.000203817	7.16442E-05	7.44787E-05	1.16492E-05	5.84643E-05	0.000202468
3033	7.29562E-05	7.62365E-05	1.58932E-05	5.86571E-05	0.000205782	7.20964E-05	7.49425E-05	1.18556E-05	5.86571E-05	0.000204555
3034	7.40864E-05	7.74157E-05	1.61707E-05	5.90035E-05	0.000206293	7.30059E-05	7.58784E-05	1.22046E-05	5.90035E-05	0.000205108
3035	7.50186E-05	7.83947E-05	1.62886E-05	5.86345E-05	0.000206444	7.35628E-05	7.64439E-05	1.25821E-05	5.86345E-05	0.00020528
3036	7.44709E-05	7.78229E-05	1.61609E-05	5.86173E-05	0.000192006	7.31727E-05	7.60449E-05	1.23793E-05	5.86173E-05	0.000191939
3037	7.56025E-05	7.90034E-05	1.6441E-05	6.00186E-05	0.000190368	7.44523E-05	7.7381E-05	1.24611E-05	6.00186E-05	0.000190228
3038	7.735E-05	8.08317E-05	1.67837E-05	6.23391E-05	0.000184943	7.65127E-05	7.95377E-05	1.2485E-05	6.23391E-05	0.000184545
3039	8.29474E-05	8.66844E-05	1.79397E-05	6.76854E-05	0.000192412	8.23616E-05	8.56322E-05	1.31344E-05	6.76854E-05	0.000190593
3040	8.7516E-05	9.14605E-05	1.88984E-05	7.13437E-05	0.000185398	8.68831E-05	9.03333E-05	1.38551E-05	7.13437E-05	0.000183226
3041	9.01128E-05	9.41741E-05	1.94616E-05	7.31004E-05	0.000180328	8.9334E-05	9.28761E-05	1.43598E-05	7.31004E-05	0.000177887
3042	9.69016E-05	0.00010126	2.10785E-05	7.63952E-05	0.000177559	9.52389E-05	9.89773E-05	1.61115E-05	7.63952E-05	0.000174954
3043	0.000106329	0.000111098	2.33593E-05	7.96844E-05	0.000146358	0.000102976	0.000106948	1.88969E-05	7.96844E-05	0.00014579
3044	0.000108801	0.000113673	2.40347E-05	7.92421E-05	0.000115651	0.000104522	0.000108514	2.00142E-05	7.92421E-05	0.0001178
3045	0.000107665	0.000112512	2.33499E-05	7.60554E-05	9.72632E-05	0.000102694	0.00010662	1.95865E-05	7.60554E-05	0.000100299
3046	0.000100081	0.000104617	2.11889E-05	6.93675E-05	7.97064E-05	9.51071E-05	9.87674E-05	1.76315E-05	6.93675E-05	8.43182E-05
3047	8.67091E-05	9.06466E-05	1.82124E-05	6.08746E-05	7.70741E-05	8.2705E-05	8.59114E-05	1.48379E-05	6.08746E-05	8.15502E-05
3048	7.4191E-05	7.7577E-05	1.52875E-05	5.36198E-05	7.56546E-05	7.13846E-05	7.41927E-05	1.19484E-05	5.36198E-05	8.00521E-05
3049	6.3397E-05	6.63057E-05	1.2799E-05	4.80376E-05	7.64968E-05	6.18486E-05	6.43308E-05	9.30852E-06	4.80376E-05	8.09339E-05
3050	5.88757E-05	6.15864E-05	1.17204E-05	4.57091E-05	7.89153E-05	5.78694E-05	6.02172E-05	8.17491E-06	4.57091E-05	8.344E-05
3051	5.9481E-05	6.22183E-05	1.18629E-05	4.74036E-05	8.3902E-05	5.88876E-05	6.12931E-05	7.97248E-06	4.74036E-05	8.86485E-05
3052	6.25961E-05	6.54682E-05	1.26344E-05	5.12881E-05	9.1017E-05	6.24194E-05	6.49814E-05	8.19137E-06	5.12881E-05	9.60991E-05
3053	6.7576E-05	7.06659E-05	1.38255E-05	5.58418E-05	9.90266E-05	6.74985E-05	7.02654E-05	8.93452E-06	5.58418E-05	0.000104503
3054	7.3121E-05	7.64609E-05	1.50211E-05	5.93696E-05	0.000105958	7.2656E-05	7.56131E-05	1.00644E-05	5.93696E-05	0.000111146
3055	7.61829E-05	7.96539E-05	1.58002E-05	5.9939E-05	0.000203086	7.50045E-05	7.80118E-05	1.13512E-05	5.9939E-05	0.000202315
3056	7.26321E-05	7.59019E-05	1.57518E-05	5.86648E-05	0.000205511	7.18935E-05	7.4738E-05	1.1685E-05	5.86648E-05	0.000204245
3057	7.31377E-05	7.64267E-05	1.5922E-05	5.87683E-05	0.000207475	7.22671E-05	7.51198E-05	1.18865E-05	5.87683E-05	0.000206332
3058	7.41361E-05	7.74675E-05	1.61842E-05	5.90682E-05	0.000207967	7.30628E-05	7.59378E-05	1.22082E-05	5.90682E-05	0.000206866
3059	7.49762E-05	7.83505E-05	1.6278E-05	5.85849E-05	0.000208071	7.3516E-05	7.63949E-05	1.25782E-05	5.85849E-05	0.000206991
3060	7.42259E-05	7.75667E-05	1.61095E-05	5.83904E-05	0.000193569	7.29195E-05	7.57811E-05	1.23484E-05	5.83904E-05	0.000193584
3061	7.51421E-05	7.8522E-05	1.63464E-05	5.96054E-05	0.000191757	7.39804E-05	7.68897E-05	1.24013E-05	5.96054E-05	0.00019169
3062	7.71185E-05	8.0589E-05	1.67453E-05	6.21872E-05	0.00018613	7.62919E-05	7.93083E-05	1.2447E-05	6.21872E-05	0.000185799
3063	8.32525E-05	8.70029E-05	1.80114E-05	6.80149E-05	0.00019348	8.26908E-05	8.59755E-05	1.31662E-05	6.80149E-05	0.000191722
3064	8.87347E-05	9.27349E-05	1.91463E-05	7.2423E-05	0.000186508	8.8128E-05	9.16295E-05	1.40155E-05	7.2423E-05	0.000184398
3065	9.1372E-05	9.54908E-05	1.97219E-05	7.42415E-05	0.000181351	9.06281E-05	9.42237E-05	1.45219E-05	7.42415E-05	0.000178967
3066	9.81221E-05	0.000102537	2.1329E-05	7.74897E-05	0.000178493	9.64898E-05	0.00010028	1.62702E-05	7.74897E-05	0.000175938
3067	0.000107455	0.000112276	2.35877E-05	8.06777E-05	0.000147418	0.000104125	0.000108145	1.90456E-05	8.06777E-05	0.000146904
3068	0.000109873	0.000114795	2.42542E-05	8.02002E-05	0.000116651	0.00010562	0.000109658	2.01542E-05	8.02002E-05	0.000118852
3069	0.000107016	0.000111818	2.34801E-05	7.67519E-05	9.82446E-05	0.00010242	0.00010633	1.96498E-05	7.67519E-05	0.000101334
3070	0.00010082	0.000105389	2.13404E-05	7.00293E-05	8.06297E-05	9.58637E-05	9.95552E-05	1.77276E-05	7.00293E-05	8.5293E-05
3071	8.71628E-05	9.11209E-05	1.83078E-05	6.1295E-05	7.79166E-05	8.3174E-05	8.63998E-05	1.48949E-05	6.1295E-05	8.24406E-05
3072	7.45696E-05	7.79729E-05	1.53668E-05	5.39692E-05	7.64038E-05	7.17757E-05	7.45999E-05	1.19963E-05	5.39692E-05	8.08449E-05
3073	6.3397E-05	6.63057E-05	1.2799E-05	4.80376E-05	7.64968E-05	6.18486E-05	6.43308E-05	9.30852E-06	4.80376E-05	8.09339E-05
3074	5.88757E-05	6.15864E-05	1.17204E-05	4.57091E-05	7.89153E-05	5.78694E-05	6.02172E-05	8.17491E-06	4.57091E-05	8.344E-05
3075	5.9481E-05	6.22183E-05	1.18629E-05	4.74036E-05	8.3902E-05	5.88876E-05	6.12931E-05	7.97248E-06	4.74036E-05	8.86485E-05
3076	6.25961E-05	6.54682E-05	1.26344E-05	5.12881E-05	9.1017E-05	6.24194E-05	6.49814E-05	8.19137E-06	5.12881E-05	9.60991E-05
3077	6.7576E-05	7.06659E-05	1.38255E-05	5.58418E-05	9.90266E-05	6.74985E-05	7.02654E-05	8.93452E-06	5.58418E-05	0.000104503
3078	7.3121E-05	7.64609E-05	1.50211E-05	5.93696E-05	0.000105958	7.2656E-05	7.56131E-05	1.00644E-05	5.93696E-05	0.000111146
3079	7.61829E-05	7.96539E-05	1.58002E-05	5.9939E-05	0.000203086	7.50045E-05	7.80118E-05	1.13512E-05	5.9939E-05	0.000202315
3080	7.26321E-05	7.59019E-05	1.57518E-05	5.86648E-05	0.000205511	7.18935E-05	7.4738E-05	1.1685E-05	5.86648E-05	0.000204245
3081	7.31377E-05	7.64267E-05	1.5922E-05	5.87683E-05	0.000207475	7.22671E-05	7.51198E-05	1.18865E-05	5.87683E-05	0.000206332
3082	7.41361E-05	7.74675E-05	1.61842E-05	5.90682E-05	0.000207967	7.30628E-05	7.59378E-05	1.22082E-05	5.90682E-05	0.000206866
3083	7.49762E-05	7.83505E-05	1.6278E-05	5.85849E-05	0.000208071	7.3516E-05	7.63949E-05	1.25782E-05	5.85849E-05	0.000206991
3084	7.42259E-05	7.75667E-05	1.61095E-05	5.83904E-05	0.000193569	7.29195E-05	7.57811E-05	1.23484E-05	5.83904E-05	0.000193584
3085	7.51421E-05	7.8522E-05	1.63464E-05	5.96054E-05	0.000191757	7.39804E-05	7.68897E-05	1.24013E-05	5.96054E-05	0.00019169
3086	7.71185E-05	8.0589E-05	1.67453E-05	6.21872E-05	0.00018613	7.62919E-05	7.93083E-05	1.2447E-05	6.21872E-05	0.000185799
3087	8.32525E-05	8.70029E-05	1.80114E-05	6.80149E-05	0.00019348	8.26908E-05	8.59755E-05	1.31662E-05	6.80149E-05	0.000191722
3088	8.87347E-05	9.27349E-05	1.91463E-05	7.2423E-05	0.000186508	8.8128E-05	9.16295E-05	1.40155E-05	7.2423E-05	0.000184398
3089	9.1372E-05	9.54908E-05	1.97219E-05	7.42415E-05	0.000181351	9.06281E-05	9.42237E-05	1.45219E-05	7.42415E-05	0.000178967
3090	9.81221E-05	0.000102537	2.1329E-05	7.74897E-05	0.000178493	9.64898E-05	0.00010028	1.62702E-05	7.74897E-05	0.000175938
3091	0.000107455	0.000112276	2.35877E-05	8.06777E-05	0.000147418	0.000104125	0.000108145	1.90456E-05	8.06777E-05	0.000146904
3092	0.000109873	0.000114795	2.42542E-05	8.02002E-05	0.000116651	0.00010562	0.000109658	2.01542E-05	8.02002E-05	0.000118852
3093	0.000107016	0.000111818	2.34801E-05	7.67519E-05	9.82446E-05	0.00010242	0.00010633	1.96498E-05	7.67519E-05	0.000101334
3094	0.00010082	0.000105389	2.13404E-05	7.00293E-05	8.06297E-05	9.58637E-05	9.95552E-05	1.77276E-05	7.00293E-05	8.5293E-05
3095	8.71628E-05	9.11209E-05	1.83078E-05	6.1295E-05	7.79166E-05	8.3174E-05	8.63998E-05	1.48949E-05	6.1295E-05	8.24406E-05
3096	7.45696E-05	7.79729E-05	1.53668E-05	5.39692E-05	7.64038E-05	7.17757E-05	7.45999E-05	1.19963E-05	5.39692E-05	8.08449E-05
3097	6.30006E-05	6.58914E-05	1.27131E-05	4.76545E-05	7.7064E-05	6.14341E-05	6.3899E-05	9.26086E-06	4.76545E-05	8.15194E-05
3098	5.91307E-05	6.18534E-05	1.17663E-05	4.58986E-05	7.85066E-05	5.81192E-05	6.04769E-05	8.21359E-06	4.58986E-05	8.30137E-05
3099	5.94089E-05	6.21432E-05	1.18437E-05	4.73118E-05	8.34147E-05	5.88057E-05	6.12076E-05	7.96694E-06	4.73118E-05	8.81399E-05
3100	6.22955E-05	6.51541E-05	1.25677E-05	5.09884E-05	9.04382E-05	6.21024E-05	6.46511E-05	8.15653E-06	5.09884E-05	9.54951E-05
3101	6.73995E-05	7.0482E-05	1.37772E-05	5.56096E-05	9.81809E-05	6.72957E-05	7.00535E-05	8.92198E-06	5.56096E-05	0.000103618
3102	7.2832E-05	7.61594E-05	1.49494E-05	5.90344E-05	0.000104796	7.23372E-05	7.52806E-05	1.00376E-05	5.90344E-05	0.000109927
3103	7.43282E-05	7.76999E-05	1.56759E-05	5.95109E-05	0.000201552	7.34819E-05	7.64214E-05	1.12638E-05	5.95109E-05	0.000200706
3104	7.23821E-05	7.56402E-05	1.57043E-05	5.84643E-05	0.000203817	7.16442E-05	7.44787E-05	1.16492E-05	5.84643E-05	0.000202468
3105	7.29562E-05	7.62365E-05	1.58932E-05	5.86571E-05	0.000205782	7.20964E-05	7.49425E-05	1.18556E-05	5.86571E-05	0.000204555
3106	7.40864E-05	7.74157E-05	1.61707E-05	5.90035E-05	0.000206293	7.30059E-05	7.58784E-05	1.22046E-05	5.90035E-05	0.000205108
3107	7.50186E-05	7.83947E-05	1.62886E-05	5.86345E-05	0.000206444	7.35628E-05	7.64439E-05	1.25821E-05	5.86345E-05	0.00020528

3108	7.44709E-05	7.78229E-05	1.61609E-05	5.86173E-05	0.000192006	7.31727E-05	7.60449E-05	1.23793E-05	5.86173E-05	0.000191939
3109	7.56025E-05	7.90034E-05	1.6441E-05	6.00186E-05	0.000190368	7.44523E-05	7.7381E-05	1.24611E-05	6.00186E-05	0.000190228
3110	7.735E-05	8.08317E-05	1.67837E-05	6.23391E-05	0.000184943	7.65127E-05	7.95377E-05	1.2485E-05	6.23391E-05	0.000184545
3111	8.29474E-05	8.66844E-05	1.79397E-05	6.76854E-05	0.000192412	8.23616E-05	8.56322E-05	1.31344E-05	6.76854E-05	0.000190593
3112	8.7516E-05	9.14605E-05	1.88984E-05	7.13437E-05	0.000185398	8.68831E-05	9.03333E-05	1.38551E-05	7.13437E-05	0.000183226
3113	9.01128E-05	9.41741E-05	1.94616E-05	7.31004E-05	0.000180328	8.9334E-05	9.28761E-05	1.43598E-05	7.31004E-05	0.000177887
3114	9.69016E-05	0.00010126	2.10785E-05	7.63952E-05	0.000177559	9.52389E-05	9.89773E-05	1.61115E-05	7.63952E-05	0.000174954
3115	0.000106329	0.000111098	2.33593E-05	7.96844E-05	0.000146358	0.000102976	0.000106948	1.88969E-05	7.96844E-05	0.00014579
3116	0.000108801	0.000113673	2.40347E-05	7.92421E-05	0.000115651	0.000104522	0.000108514	2.00142E-05	7.92421E-05	0.0001178
3117	0.000107665	0.000112512	2.33499E-05	7.60554E-05	9.72632E-05	0.000102694	0.00010662	1.95865E-05	7.60554E-05	0.000100299
3118	0.000100081	0.000104617	2.11889E-05	6.93675E-05	7.97064E-05	9.51071E-05	9.87674E-05	1.76315E-05	6.93675E-05	8.43182E-05
3119	8.67091E-05	9.06466E-05	1.82124E-05	6.08746E-05	7.70741E-05	8.2705E-05	8.59114E-05	1.48379E-05	6.08746E-05	8.15502E-05
3120	7.4191E-05	7.7577E-05	1.52875E-05	5.36198E-05	7.56546E-05	7.13846E-05	7.41927E-05	1.19484E-05	5.36198E-05	8.00521E-05
3121	6.30006E-05	6.58914E-05	1.27131E-05	4.76545E-05	7.7064E-05	6.14341E-05	6.3899E-05	9.26086E-06	4.76545E-05	8.15194E-05
3122	5.91307E-05	6.18534E-05	1.17663E-05	4.58986E-05	7.85066E-05	5.81192E-05	6.04769E-05	8.21359E-06	4.58986E-05	8.30137E-05
3123	5.94089E-05	6.21432E-05	1.18437E-05	4.73118E-05	8.34147E-05	5.88057E-05	6.12076E-05	7.96694E-06	4.73118E-05	8.81399E-05
3124	6.22955E-05	6.51541E-05	1.25677E-05	5.09884E-05	9.04382E-05	6.21024E-05	6.46511E-05	8.15653E-06	5.09884E-05	9.54951E-05
3125	6.73995E-05	7.0482E-05	1.37772E-05	5.56096E-05	9.81809E-05	6.72957E-05	7.00535E-05	8.92198E-06	5.56096E-05	0.000103618
3126	7.2832E-05	7.61594E-05	1.49494E-05	5.90344E-05	0.000104796	7.23372E-05	7.52806E-05	1.00376E-05	5.90344E-05	0.000109927
3127	7.43282E-05	7.76999E-05	1.56759E-05	5.95109E-05	0.000201552	7.34819E-05	7.64214E-05	1.12638E-05	5.95109E-05	0.000200706
3128	7.23821E-05	7.56402E-05	1.57043E-05	5.84643E-05	0.000203817	7.16442E-05	7.44787E-05	1.16492E-05	5.84643E-05	0.000202468
3129	7.29562E-05	7.62365E-05	1.58932E-05	5.86571E-05	0.000205782	7.20964E-05	7.49425E-05	1.18556E-05	5.86571E-05	0.000204555
3130	7.40864E-05	7.74157E-05	1.61707E-05	5.90035E-05	0.000206293	7.30059E-05	7.58784E-05	1.22046E-05	5.90035E-05	0.000205108
3131	7.50186E-05	7.83947E-05	1.62886E-05	5.86345E-05	0.000206444	7.35628E-05	7.64439E-05	1.25821E-05	5.86345E-05	0.00020528
3132	7.44709E-05	7.78229E-05	1.61609E-05	5.86173E-05	0.000192006	7.31727E-05	7.60449E-05	1.23793E-05	5.86173E-05	0.000191939
3133	7.56025E-05	7.90034E-05	1.6441E-05	6.00186E-05	0.000190368	7.44523E-05	7.7381E-05	1.24611E-05	6.00186E-05	0.000190228
3134	7.735E-05	8.08317E-05	1.67837E-05	6.23391E-05	0.000184943	7.65127E-05	7.95377E-05	1.2485E-05	6.23391E-05	0.000184545
3135	8.29474E-05	8.66844E-05	1.79397E-05	6.76854E-05	0.000192412	8.23616E-05	8.56322E-05	1.31344E-05	6.76854E-05	0.000190593
3136	8.7516E-05	9.14605E-05	1.88984E-05	7.13437E-05	0.000185398	8.68831E-05	9.03333E-05	1.38551E-05	7.13437E-05	0.000183226
3137	9.01128E-05	9.41741E-05	1.94616E-05	7.31004E-05	0.000180328	8.9334E-05	9.28761E-05	1.43598E-05	7.31004E-05	0.000177887
3138	9.69016E-05	0.00010126	2.10785E-05	7.63952E-05	0.000177559	9.52389E-05	9.89773E-05	1.61115E-05	7.63952E-05	0.000174954
3139	0.000106329	0.000111098	2.33593E-05	7.96844E-05	0.000146358	0.000102976	0.000106948	1.88969E-05	7.96844E-05	0.00014579
3140	0.000108801	0.000113673	2.40347E-05	7.92421E-05	0.000115651	0.000104522	0.000108514	2.00142E-05	7.92421E-05	0.0001178
3141	0.000107665	0.000112512	2.33499E-05	7.60554E-05	9.72632E-05	0.000102694	0.00010662	1.95865E-05	7.60554E-05	0.000100299
3142	0.000100081	0.000104617	2.11889E-05	6.93675E-05	7.97064E-05	9.51071E-05	9.87674E-05	1.76315E-05	6.93675E-05	8.43182E-05
3143	8.67091E-05	9.06466E-05	1.82124E-05	6.08746E-05	7.70741E-05	8.2705E-05	8.59114E-05	1.48379E-05	6.08746E-05	8.15502E-05
3144	7.4191E-05	7.7577E-05	1.52875E-05	5.36198E-05	7.56546E-05	7.13846E-05	7.41927E-05	1.19484E-05	5.36198E-05	8.00521E-05
3145	6.30006E-05	6.58914E-05	1.27131E-05	4.76545E-05	7.7064E-05	6.14341E-05	6.3899E-05	9.26086E-06	4.76545E-05	8.15194E-05
3146	5.91307E-05	6.18534E-05	1.17663E-05	4.58986E-05	7.85066E-05	5.81192E-05	6.04769E-05	8.21359E-06	4.58986E-05	8.30137E-05
3147	5.94089E-05	6.21432E-05	1.18437E-05	4.73118E-05	8.34147E-05	5.88057E-05	6.12076E-05	7.96694E-06	4.73118E-05	8.81399E-05
3148	6.22955E-05	6.51541E-05	1.25677E-05	5.09884E-05	9.04382E-05	6.21024E-05	6.46511E-05	8.15653E-06	5.09884E-05	9.54951E-05
3149	6.73995E-05	7.0482E-05	1.37772E-05	5.56096E-05	9.81809E-05	6.72957E-05	7.00535E-05	8.92198E-06	5.56096E-05	0.000103618
3150	7.2832E-05	7.61594E-05	1.49494E-05	5.90344E-05	0.000104796	7.23372E-05	7.52806E-05	1.00376E-05	5.90344E-05	0.000109927
3151	7.43282E-05	7.76999E-05	1.56759E-05	5.95109E-05	0.000201552	7.34819E-05	7.64214E-05	1.12638E-05	5.95109E-05	0.000200706
3152	7.23821E-05	7.56402E-05	1.57043E-05	5.84643E-05	0.000203817	7.16442E-05	7.44787E-05	1.16492E-05	5.84643E-05	0.000202468
3153	7.29562E-05	7.62365E-05	1.58932E-05	5.86571E-05	0.000205782	7.20964E-05	7.49425E-05	1.18556E-05	5.86571E-05	0.000204555
3154	7.40864E-05	7.74157E-05	1.61707E-05	5.90035E-05	0.000206293	7.30059E-05	7.58784E-05	1.22046E-05	5.90035E-05	0.000205108
3155	7.50186E-05	7.83947E-05	1.62886E-05	5.86345E-05	0.000206444	7.35628E-05	7.64439E-05	1.25821E-05	5.86345E-05	0.00020528
3156	7.44709E-05	7.78229E-05	1.61609E-05	5.86173E-05	0.000192006	7.31727E-05	7.60449E-05	1.23793E-05	5.86173E-05	0.000191939
3157	7.56025E-05	7.90034E-05	1.6441E-05	6.00186E-05	0.000190368	7.44523E-05	7.7381E-05	1.24611E-05	6.00186E-05	0.000190228
3158	7.735E-05	8.08317E-05	1.67837E-05	6.23391E-05	0.000184943	7.65127E-05	7.95377E-05	1.2485E-05	6.23391E-05	0.000184545
3159	8.29474E-05	8.66844E-05	1.79397E-05	6.76854E-05	0.000192412	8.23616E-05	8.56322E-05	1.31344E-05	6.76854E-05	0.000190593
3160	8.7516E-05	9.14605E-05	1.88984E-05	7.13437E-05	0.000185398	8.68831E-05	9.03333E-05	1.38551E-05	7.13437E-05	0.000183226
3161	9.01128E-05	9.41741E-05	1.94616E-05	7.31004E-05	0.000180328	8.9334E-05	9.28761E-05	1.43598E-05	7.31004E-05	0.000177887
3162	9.69016E-05	0.00010126	2.10785E-05	7.63952E-05	0.000177559	9.52389E-05	9.89773E-05	1.61115E-05	7.63952E-05	0.000174954
3163	0.000106329	0.000111098	2.33593E-05	7.96844E-05	0.000146358	0.000102976	0.000106948	1.88969E-05	7.96844E-05	0.00014579
3164	0.000108801	0.000113673	2.40347E-05	7.92421E-05	0.000115651	0.000104522	0.000108514	2.00142E-05	7.92421E-05	0.0001178
3165	0.000107665	0.000112512	2.33499E-05	7.60554E-05	9.72632E-05	0.000102694	0.00010662	1.95865E-05	7.60554E-05	0.000100299
3166	0.000100081	0.000104617	2.11889E-05	6.93675E-05	7.97064E-05	9.51071E-05	9.87674E-05	1.76315E-05	6.93675E-05	8.43182E-05
3167	8.67091E-05	9.06466E-05	1.82124E-05	6.08746E-05	7.70741E-05	8.2705E-05	8.59114E-05	1.48379E-05	6.08746E-05	8.15502E-05
3168	7.4191E-05	7.7577E-05	1.52875E-05	5.36198E-05	7.56546E-05	7.13846E-05	7.41927E-05	1.19484E-05	5.36198E-05	8.00521E-05
3169	6.30006E-05	6.58914E-05	1.27131E-05	4.76545E-05	7.7064E-05	6.14341E-05	6.3899E-05	9.26086E-06	4.76545E-05	8.15194E-05
3170	5.91307E-05	6.18534E-05	1.17663E-05	4.58986E-05	7.85066E-05	5.81192E-05	6.04769E-05	8.21359E-06	4.58986E-05	8.30137E-05
3171	5.94089E-05	6.21432E-05	1.18437E-05	4.73118E-05	8.34147E-05	5.88057E-05	6.12076E-05	7.96694E-06	4.73118E-05	8.81399E-05
3172	6.22955E-05	6.51541E-05	1.25677E-05	5.09884E-05	9.04382E-05	6.21024E-05	6.46511E-05	8.15653E-06	5.09884E-05	9.54951E-05
3173	6.73995E-05	7.0482E-05	1.37772E-05	5.56096E-05	9.81809E-05	6.72957E-05	7.00535E-05	8.92198E-06	5.56096E-05	0.000103618
3174	7.2832E-05	7.61594E-05	1.49494E-05	5.90344E-05	0.000104796	7.23372E-05	7.52806E-05	1.00376E-05	5.90344E-05	0.000109927
3175	7.43282E-05	7.76999E-05	1.56759E-05	5.95109E-05	0.000201552	7.34819E-05	7.64214E-05	1.12638E-05	5.95109E-05	0.000200706
3176	7.23821E-05	7.56402E-05	1.57043E-05	5.84643E-05	0.000203817	7.16442E-05	7.44787E-05	1.16492E-05	5.84643E-05	0.000202468
3177	7.29562E-05	7.62365E-05	1.58932E-05	5.86571E-05	0.000205782	7.20964E-05	7.49425E-05	1.18556E-05	5.86571E-05	0.000204555
3178	7.40864E-05	7.74157E-05	1.61707E-05	5.90035E-05	0.000206293	7.30059E-05	7.58784E-05	1.22046E-05	5.90035E-05	0.000205108
3179	7.50186E-05	7.83947E-05	1.62886E-05	5.86345E-05	0.000206444	7.35628E-05	7.64439E-05	1.25821E-05	5.86345E-05	0.00020528
3180	7.44709E-05	7.78229E-05	1.61609E-05	5.86173E-05	0.000192006	7.31727E-05	7.60449E-05	1.23793E-05	5.86173E-05	0.000191939
3181	7.56025E-05	7.90034E-05	1.6441E-05	6.00186E-05	0.000190368	7.44523E-05	7.7381E-05	1.24611E-05	6.00186E-05	0.000190228
3182	7.735E-05	8.08317E-05	1.67837E-05	6.23391E-05	0.000184943	7.65127E-05	7.95377E-05	1.2485E-05	6.23391E-05	0.000184545
3183	8.29474E-05	8.66844E-05	1.79397E-05	6.76854E-05	0.000192412	8.23616E-05	8.56322E-05	1.31344E-05	6.76854E-05	0.000190593

3184	8.7516E-05	9.14605E-05	1.88984E-05	7.13437E-05	0.000185398	8.68831E-05	9.03333E-05	1.38551E-05	7.13437E-05	0.000183226
3185	9.01128E-05	9.41741E-05	1.94616E-05	7.31004E-05	0.000180328	8.9334E-05	9.28761E-05	1.43598E-05	7.31004E-05	0.000177887
3186	9.69016E-05	0.00010126	2.10785E-05	7.63952E-05	0.000177559	9.52389E-05	9.89773E-05	1.61115E-05	7.63952E-05	0.000174954
3187	0.000106329	0.000111098	2.33593E-05	7.96844E-05	0.000146358	0.000102976	0.000106948	1.88969E-05	7.96844E-05	0.00014579
3188	0.000108801	0.000113673	2.40347E-05	7.92421E-05	0.000115651	0.000104522	0.000108514	2.00142E-05	7.92421E-05	0.0001178
3189	0.000107665	0.000112512	2.33499E-05	7.60554E-05	9.72632E-05	0.000102694	0.00010662	1.95865E-05	7.60554E-05	0.000100299
3190	0.000100081	0.000104617	2.11889E-05	6.93675E-05	7.97064E-05	9.51071E-05	9.87674E-05	1.76315E-05	6.93675E-05	8.43182E-05
3191	8.67091E-05	9.06466E-05	1.82124E-05	6.08746E-05	7.70741E-05	8.2705E-05	8.59114E-05	1.48379E-05	6.08746E-05	8.15502E-05
3192	7.4191E-05	7.7577E-05	1.52875E-05	5.36198E-05	7.56546E-05	7.13846E-05	7.41927E-05	1.19484E-05	5.36198E-05	8.00521E-05
3193	6.30006E-05	6.58914E-05	1.27131E-05	4.76545E-05	7.7064E-05	6.14341E-05	6.3899E-05	9.26086E-06	4.76545E-05	8.15194E-05
3194	5.91307E-05	6.18534E-05	1.17663E-05	4.58986E-05	7.85066E-05	5.81192E-05	6.04769E-05	8.21359E-06	4.58986E-05	8.30137E-05
3195	5.94089E-05	6.21432E-05	1.18437E-05	4.73118E-05	8.34147E-05	5.88057E-05	6.12076E-05	7.96694E-06	4.73118E-05	8.81399E-05
3196	6.22955E-05	6.51541E-05	1.25677E-05	5.09884E-05	9.04382E-05	6.21024E-05	6.46511E-05	8.15653E-06	5.09884E-05	9.54951E-05
3197	6.73995E-05	7.0482E-05	1.37772E-05	5.56096E-05	9.81809E-05	6.72957E-05	7.00535E-05	8.92198E-06	5.56096E-05	0.000103618
3198	7.2832E-05	7.61594E-05	1.49494E-05	5.90344E-05	0.000104796	7.23372E-05	7.52806E-05	1.00376E-05	5.90344E-05	0.000109927
3199	7.43282E-05	7.76999E-05	1.56759E-05	5.95109E-05	0.000201552	7.34819E-05	7.64214E-05	1.12638E-05	5.95109E-05	0.000200706
3200	7.23821E-05	7.56402E-05	1.57043E-05	5.84643E-05	0.000203817	7.16442E-05	7.44787E-05	1.16492E-05	5.84643E-05	0.000202468
3201	7.29562E-05	7.62365E-05	1.58932E-05	5.86571E-05	0.000205782	7.20964E-05	7.49425E-05	1.18556E-05	5.86571E-05	0.000204555
3202	7.40864E-05	7.74157E-05	1.61707E-05	5.90035E-05	0.000206293	7.30059E-05	7.58784E-05	1.22046E-05	5.90035E-05	0.000205108
3203	7.50186E-05	7.83947E-05	1.62886E-05	5.86345E-05	0.000206444	7.35628E-05	7.64439E-05	1.25821E-05	5.86345E-05	0.00020528
3204	7.44709E-05	7.78229E-05	1.61609E-05	5.86173E-05	0.000192006	7.31727E-05	7.60449E-05	1.23793E-05	5.86173E-05	0.000191939
3205	7.56025E-05	7.90034E-05	1.6441E-05	6.00186E-05	0.000190368	7.44523E-05	7.7381E-05	1.24611E-05	6.00186E-05	0.000190228
3206	7.735E-05	8.08317E-05	1.67837E-05	6.23391E-05	0.000184943	7.65127E-05	7.95377E-05	1.2485E-05	6.23391E-05	0.000184545
3207	8.29474E-05	8.66844E-05	1.79397E-05	6.76854E-05	0.000192412	8.23616E-05	8.56322E-05	1.31344E-05	6.76854E-05	0.000190593
3208	8.7516E-05	9.14605E-05	1.88984E-05	7.13437E-05	0.000185398	8.68831E-05	9.03333E-05	1.38551E-05	7.13437E-05	0.000183226
3209	9.01128E-05	9.41741E-05	1.94616E-05	7.31004E-05	0.000180328	8.9334E-05	9.28761E-05	1.43598E-05	7.31004E-05	0.000177887
3210	9.69016E-05	0.00010126	2.10785E-05	7.63952E-05	0.000177559	9.52389E-05	9.89773E-05	1.61115E-05	7.63952E-05	0.000174954
3211	0.000106329	0.000111098	2.33593E-05	7.96844E-05	0.000146358	0.000102976	0.000106948	1.88969E-05	7.96844E-05	0.00014579
3212	0.000108801	0.000113673	2.40347E-05	7.92421E-05	0.000115651	0.000104522	0.000108514	2.00142E-05	7.92421E-05	0.0001178
3213	0.000107665	0.000112512	2.33499E-05	7.60554E-05	9.72632E-05	0.000102694	0.00010662	1.95865E-05	7.60554E-05	0.000100299
3214	0.000100081	0.000104617	2.11889E-05	6.93675E-05	7.97064E-05	9.51071E-05	9.87674E-05	1.76315E-05	6.93675E-05	8.43182E-05
3215	8.67091E-05	9.06466E-05	1.82124E-05	6.08746E-05	7.70741E-05	8.2705E-05	8.59114E-05	1.48379E-05	6.08746E-05	8.15502E-05
3216	7.4191E-05	7.7577E-05	1.52875E-05	5.36198E-05	7.56546E-05	7.13846E-05	7.41927E-05	1.19484E-05	5.36198E-05	8.00521E-05
3217	6.3397E-05	6.63057E-05	1.2799E-05	4.80376E-05	7.64968E-05	6.18486E-05	6.43308E-05	9.30852E-06	4.80376E-05	8.09339E-05
3218	5.88757E-05	6.15864E-05	1.17204E-05	4.57091E-05	7.89153E-05	5.78694E-05	6.02172E-05	8.17491E-06	4.57091E-05	8.344E-05
3219	5.9481E-05	6.22183E-05	1.18629E-05	4.74036E-05	8.3902E-05	5.88876E-05	6.12931E-05	7.97248E-06	4.74036E-05	8.86485E-05
3220	6.25961E-05	6.54682E-05	1.26344E-05	5.12881E-05	9.1017E-05	6.24194E-05	6.49814E-05	8.19137E-06	5.12881E-05	9.60991E-05
3221	6.7576E-05	7.06659E-05	1.38255E-05	5.58418E-05	9.90266E-05	6.74985E-05	7.02654E-05	8.93452E-06	5.58418E-05	0.000104503
3222	7.3121E-05	7.64609E-05	1.50211E-05	5.93696E-05	0.000105958	7.2656E-05	7.56131E-05	1.00644E-05	5.93696E-05	0.000111146
3223	7.61829E-05	7.96539E-05	1.58002E-05	5.9939E-05	0.000203086	7.50045E-05	7.80118E-05	1.13512E-05	5.9939E-05	0.000202315
3224	7.26321E-05	7.59019E-05	1.57518E-05	5.86648E-05	0.000205511	7.18935E-05	7.4738E-05	1.1685E-05	5.86648E-05	0.000204245
3225	7.31377E-05	7.64267E-05	1.5922E-05	5.87683E-05	0.000207475	7.22671E-05	7.51198E-05	1.18865E-05	5.87683E-05	0.000206332
3226	7.41361E-05	7.74675E-05	1.61842E-05	5.90682E-05	0.000207967	7.30628E-05	7.59378E-05	1.22082E-05	5.90682E-05	0.000206866
3227	7.49762E-05	7.83505E-05	1.6278E-05	5.85849E-05	0.000208071	7.3516E-05	7.63949E-05	1.25782E-05	5.85849E-05	0.000206991
3228	7.42259E-05	7.75667E-05	1.61095E-05	5.83904E-05	0.000193569	7.29195E-05	7.57811E-05	1.23484E-05	5.83904E-05	0.000193584
3229	7.51421E-05	7.8522E-05	1.63464E-05	5.96054E-05	0.000191757	7.39804E-05	7.68897E-05	1.24013E-05	5.96054E-05	0.00019169
3230	7.71185E-05	8.0589E-05	1.67453E-05	6.21872E-05	0.00018613	7.62919E-05	7.93083E-05	1.2447E-05	6.21872E-05	0.000185799
3231	8.32525E-05	8.70029E-05	1.80114E-05	6.80149E-05	0.00019348	8.26908E-05	8.59755E-05	1.31662E-05	6.80149E-05	0.000191722
3232	8.87347E-05	9.27349E-05	1.91463E-05	7.2423E-05	0.000186508	8.8128E-05	9.16295E-05	1.40155E-05	7.2423E-05	0.000184398
3233	9.1372E-05	9.54908E-05	1.97219E-05	7.42415E-05	0.000181351	9.06281E-05	9.42237E-05	1.45219E-05	7.42415E-05	0.000178967
3234	9.81221E-05	0.000102537	2.1329E-05	7.74897E-05	0.000178493	9.64898E-05	0.00010028	1.62702E-05	7.74897E-05	0.000175938
3235	0.000107455	0.000112276	2.35877E-05	8.06777E-05	0.000147418	0.000104125	0.000108145	1.90456E-05	8.06777E-05	0.000146904
3236	0.000109873	0.000114795	2.42542E-05	8.02002E-05	0.000116651	0.00010562	0.000109658	2.01542E-05	8.02002E-05	0.000118852
3237	0.000107016	0.000111818	2.34801E-05	7.67519E-05	9.82446E-05	0.00010242	0.00010633	1.96498E-05	7.67519E-05	0.000101334
3238	0.00010082	0.000105389	2.13404E-05	7.00293E-05	8.06297E-05	9.58637E-05	9.95552E-05	1.77276E-05	7.00293E-05	8.5293E-05
3239	8.71628E-05	9.11209E-05	1.83078E-05	6.1295E-05	7.79166E-05	8.3174E-05	8.63998E-05	1.48949E-05	6.1295E-05	8.24406E-05
3240	7.45696E-05	7.79729E-05	1.53668E-05	5.39692E-05	7.64038E-05	7.17757E-05	7.45999E-05	1.19963E-05	5.39692E-05	8.08449E-05
3241	6.3397E-05	6.63057E-05	1.2799E-05	4.80376E-05	7.64968E-05	6.18486E-05	6.43308E-05	9.30852E-06	4.80376E-05	8.09339E-05
3242	5.88757E-05	6.15864E-05	1.17204E-05	4.57091E-05	7.89153E-05	5.78694E-05	6.02172E-05	8.17491E-06	4.57091E-05	8.344E-05
3243	5.9481E-05	6.22183E-05	1.18629E-05	4.74036E-05	8.3902E-05	5.88876E-05	6.12931E-05	7.97248E-06	4.74036E-05	8.86485E-05
3244	6.25961E-05	6.54682E-05	1.26344E-05	5.12881E-05	9.1017E-05	6.24194E-05	6.49814E-05	8.19137E-06	5.12881E-05	9.60991E-05
3245	6.7576E-05	7.06659E-05	1.38255E-05	5.58418E-05	9.90266E-05	6.74985E-05	7.02654E-05	8.93452E-06	5.58418E-05	0.000104503
3246	7.3121E-05	7.64609E-05	1.50211E-05	5.93696E-05	0.000105958	7.2656E-05	7.56131E-05	1.00644E-05	5.93696E-05	0.000111146
3247	7.61829E-05	7.96539E-05	1.58002E-05	5.9939E-05	0.000203086	7.50045E-05	7.80118E-05	1.13512E-05	5.9939E-05	0.000202315
3248	7.26321E-05	7.59019E-05	1.57518E-05	5.86648E-05	0.000205511	7.18935E-05	7.4738E-05	1.1685E-05	5.86648E-05	0.000204245
3249	7.31377E-05	7.64267E-05	1.5922E-05	5.87683E-05	0.000207475	7.22671E-05	7.51198E-05	1.18865E-05	5.87683E-05	0.000206332
3250	7.41361E-05	7.74675E-05	1.61842E-05	5.90682E-05	0.000207967	7.30628E-05	7.59378E-05	1.22082E-05	5.90682E-05	0.000206866
3251	7.49762E-05	7.83505E-05	1.6278E-05	5.85849E-05	0.000208071	7.3516E-05	7.63949E-05	1.25782E-05	5.85849E-05	0.000206991
3252	7.42259E-05	7.75667E-05	1.61095E-05	5.83904E-05	0.000193569	7.29195E-05	7.57811E-05	1.23484E-05	5.83904E-05	0.000193584
3253	7.51421E-05	7.8522E-05	1.63464E-05	5.96054E-05	0.000191757	7.39804E-05	7.68897E-05	1.24013E-05	5.96054E-05	0.00019169
3254	7.71185E-05	8.0589E-05	1.67453E-05	6.21872E-05	0.00018613	7.62919E-05	7.93083E-05	1.2447E-05	6.21872E-05	0.000185799
3255	8.32525E-05	8.70029E-05	1.80114E-05	6.80149E-05	0.00019348	8.26908E-05	8.59755E-05	1.31662E-05	6.80149E-05	0.000191722
3256	8.87347E-05	9.27349E-05	1.91463E-05	7.2423E-05	0.000186508	8.8128E-05	9.16295E-05	1.40155E-05	7.2423E-05	0.000184398
3257	9.1372E-05	9.54908E-05	1.97219E-05	7.42415E-05	0.000181351	9.06281E-05	9.42237E-05	1.45219E-05	7.42415E-05	0.000178967
3258	9.81221E-05	0.000102537	2.1329E-05	7.74897E-05	0.000178493	9.64898E-05	0.00010028	1.62702E-05	7.74897E-05	0.000175938
3259	0.000107455	0.000112276	2.35877E-05	8.06777E-05	0.000147418	0.000104125	0.000108145	1.90456E-05	8.06777E-05	0.000146904

3260	0.000109873	0.000114795	2.42542E-05	8.02002E-05	0.000116651	0.00010562	0.000109658	2.01542E-05	8.02002E-05	0.000118852
3261	0.000107016	0.000111818	2.34801E-05	7.67519E-05	9.82446E-05	0.00010242	0.00010633	1.96498E-05	7.67519E-05	0.000101334
3262	0.00010082	0.000105389	2.13404E-05	7.00293E-05	8.06297E-05	9.58637E-05	9.95552E-05	1.77276E-05	7.00293E-05	8.5293E-05
3263	8.71628E-05	9.11209E-05	1.83078E-05	6.1295E-05	7.79166E-05	8.3174E-05	8.63998E-05	1.48949E-05	6.1295E-05	8.24406E-05
3264	7.45696E-05	7.79729E-05	1.53668E-05	5.39692E-05	7.64038E-05	7.17757E-05	7.45999E-05	1.19963E-05	5.39692E-05	8.08449E-05
3265	6.30006E-05	6.58914E-05	1.27131E-05	4.76545E-05	7.7064E-05	6.14341E-05	6.3899E-05	9.26086E-06	4.76545E-05	8.15194E-05
3266	5.91307E-05	6.18534E-05	1.17663E-05	4.58986E-05	7.85066E-05	5.81192E-05	6.04769E-05	8.21359E-06	4.58986E-05	8.30137E-05
3267	5.94089E-05	6.21432E-05	1.18437E-05	4.73118E-05	8.34147E-05	5.88057E-05	6.12076E-05	7.96694E-06	4.73118E-05	8.81399E-05
3268	6.22955E-05	6.51541E-05	1.25677E-05	5.09884E-05	9.04382E-05	6.21024E-05	6.46511E-05	8.15653E-06	5.09884E-05	9.54951E-05
3269	6.73995E-05	7.0482E-05	1.37772E-05	5.56096E-05	9.81809E-05	6.72957E-05	7.00535E-05	8.92198E-06	5.56096E-05	0.000103618
3270	7.2832E-05	7.61594E-05	1.49494E-05	5.90344E-05	0.000104796	7.23372E-05	7.52806E-05	1.00376E-05	5.90344E-05	0.000109927
3271	7.43282E-05	7.76999E-05	1.56759E-05	5.95109E-05	0.000201552	7.34819E-05	7.64214E-05	1.12638E-05	5.95109E-05	0.000200706
3272	7.23821E-05	7.56402E-05	1.57043E-05	5.84643E-05	0.000203817	7.16442E-05	7.44787E-05	1.16492E-05	5.84643E-05	0.000202468
3273	7.29562E-05	7.62365E-05	1.58932E-05	5.86571E-05	0.000205782	7.20964E-05	7.49425E-05	1.18556E-05	5.86571E-05	0.000204555
3274	7.40864E-05	7.74157E-05	1.61707E-05	5.90035E-05	0.000206293	7.30059E-05	7.58784E-05	1.22046E-05	5.90035E-05	0.000205108
3275	7.50186E-05	7.83947E-05	1.62886E-05	5.86345E-05	0.000206444	7.35628E-05	7.64439E-05	1.25821E-05	5.86345E-05	0.00020528
3276	7.44709E-05	7.78229E-05	1.61609E-05	5.86173E-05	0.000192006	7.31727E-05	7.60449E-05	1.23793E-05	5.86173E-05	0.000191939
3277	7.56025E-05	7.90034E-05	1.6441E-05	6.00186E-05	0.000190368	7.44523E-05	7.7381E-05	1.24611E-05	6.00186E-05	0.000190228
3278	7.735E-05	8.08317E-05	1.67837E-05	6.23391E-05	0.000184943	7.65127E-05	7.95377E-05	1.2485E-05	6.23391E-05	0.000184545
3279	8.29474E-05	8.66844E-05	1.79397E-05	6.76854E-05	0.000192412	8.23616E-05	8.56322E-05	1.31344E-05	6.76854E-05	0.000190593
3280	8.7516E-05	9.14605E-05	1.88984E-05	7.13437E-05	0.000185398	8.68831E-05	9.03333E-05	1.38551E-05	7.13437E-05	0.000183226
3281	9.01128E-05	9.41741E-05	1.94616E-05	7.31004E-05	0.000180328	8.9334E-05	9.28761E-05	1.43598E-05	7.31004E-05	0.000177887
3282	9.69016E-05	0.00010126	2.10785E-05	7.63952E-05	0.000177559	9.52389E-05	9.89773E-05	1.61115E-05	7.63952E-05	0.000174954
3283	0.000106329	0.000111098	2.33593E-05	7.96844E-05	0.000146358	0.000102976	0.000106948	1.88969E-05	7.96844E-05	0.00014579
3284	0.000108801	0.000113673	2.40347E-05	7.92421E-05	0.000115651	0.000104522	0.000108514	2.00142E-05	7.92421E-05	0.0001178
3285	0.000107665	0.000112512	2.33499E-05	7.60554E-05	9.72632E-05	0.000102694	0.00010662	1.95865E-05	7.60554E-05	0.000100299
3286	0.000100081	0.000104617	2.11889E-05	6.93675E-05	7.97064E-05	9.51071E-05	9.87674E-05	1.76315E-05	6.93675E-05	8.43182E-05
3287	8.67091E-05	9.06466E-05	1.82124E-05	6.08746E-05	7.70741E-05	8.2705E-05	8.59114E-05	1.48379E-05	6.08746E-05	8.15502E-05
3288	7.4191E-05	7.7577E-05	1.52875E-05	5.36198E-05	7.56546E-05	7.13846E-05	7.41927E-05	1.19484E-05	5.36198E-05	8.00521E-05
3289	6.30006E-05	6.58914E-05	1.27131E-05	4.76545E-05	7.7064E-05	6.14341E-05	6.3899E-05	9.26086E-06	4.76545E-05	8.15194E-05
3290	5.91307E-05	6.18534E-05	1.17663E-05	4.58986E-05	7.85066E-05	5.81192E-05	6.04769E-05	8.21359E-06	4.58986E-05	8.30137E-05
3291	5.94089E-05	6.21432E-05	1.18437E-05	4.73118E-05	8.34147E-05	5.88057E-05	6.12076E-05	7.96694E-06	4.73118E-05	8.81399E-05
3292	6.22955E-05	6.51541E-05	1.25677E-05	5.09884E-05	9.04382E-05	6.21024E-05	6.46511E-05	8.15653E-06	5.09884E-05	9.54951E-05
3293	6.73995E-05	7.0482E-05	1.37772E-05	5.56096E-05	9.81809E-05	6.72957E-05	7.00535E-05	8.92198E-06	5.56096E-05	0.000103618
3294	7.2832E-05	7.61594E-05	1.49494E-05	5.90344E-05	0.000104796	7.23372E-05	7.52806E-05	1.00376E-05	5.90344E-05	0.000109927
3295	7.43282E-05	7.76999E-05	1.56759E-05	5.95109E-05	0.000201552	7.34819E-05	7.64214E-05	1.12638E-05	5.95109E-05	0.000200706
3296	7.23821E-05	7.56402E-05	1.57043E-05	5.84643E-05	0.000203817	7.16442E-05	7.44787E-05	1.16492E-05	5.84643E-05	0.000202468
3297	7.29562E-05	7.62365E-05	1.58932E-05	5.86571E-05	0.000205782	7.20964E-05	7.49425E-05	1.18556E-05	5.86571E-05	0.000204555
3298	7.40864E-05	7.74157E-05	1.61707E-05	5.90035E-05	0.000206293	7.30059E-05	7.58784E-05	1.22046E-05	5.90035E-05	0.000205108
3299	7.50186E-05	7.83947E-05	1.62886E-05	5.86345E-05	0.000206444	7.35628E-05	7.64439E-05	1.25821E-05	5.86345E-05	0.00020528
3300	7.44709E-05	7.78229E-05	1.61609E-05	5.86173E-05	0.000192006	7.31727E-05	7.60449E-05	1.23793E-05	5.86173E-05	0.000191939
3301	7.56025E-05	7.90034E-05	1.6441E-05	6.00186E-05	0.000190368	7.44523E-05	7.7381E-05	1.24611E-05	6.00186E-05	0.000190228
3302	7.735E-05	8.08317E-05	1.67837E-05	6.23391E-05	0.000184943	7.65127E-05	7.95377E-05	1.2485E-05	6.23391E-05	0.000184545
3303	8.29474E-05	8.66844E-05	1.79397E-05	6.76854E-05	0.000192412	8.23616E-05	8.56322E-05	1.31344E-05	6.76854E-05	0.000190593
3304	8.7516E-05	9.14605E-05	1.88984E-05	7.13437E-05	0.000185398	8.68831E-05	9.03333E-05	1.38551E-05	7.13437E-05	0.000183226
3305	9.01128E-05	9.41741E-05	1.94616E-05	7.31004E-05	0.000180328	8.9334E-05	9.28761E-05	1.43598E-05	7.31004E-05	0.000177887
3306	9.69016E-05	0.00010126	2.10785E-05	7.63952E-05	0.000177559	9.52389E-05	9.89773E-05	1.61115E-05	7.63952E-05	0.000174954
3307	0.000106329	0.000111098	2.33593E-05	7.96844E-05	0.000146358	0.000102976	0.000106948	1.88969E-05	7.96844E-05	0.00014579
3308	0.000108801	0.000113673	2.40347E-05	7.92421E-05	0.000115651	0.000104522	0.000108514	2.00142E-05	7.92421E-05	0.0001178
3309	0.000107665	0.000112512	2.33499E-05	7.60554E-05	9.72632E-05	0.000102694	0.00010662	1.95865E-05	7.60554E-05	0.000100299
3310	0.000100081	0.000104617	2.11889E-05	6.93675E-05	7.97064E-05	9.51071E-05	9.87674E-05	1.76315E-05	6.93675E-05	8.43182E-05
3311	8.67091E-05	9.06466E-05	1.82124E-05	6.08746E-05	7.70741E-05	8.2705E-05	8.59114E-05	1.48379E-05	6.08746E-05	8.15502E-05
3312	7.4191E-05	7.7577E-05	1.52875E-05	5.36198E-05	7.56546E-05	7.13846E-05	7.41927E-05	1.19484E-05	5.36198E-05	8.00521E-05
3313	6.30006E-05	6.58914E-05	1.27131E-05	4.76545E-05	7.7064E-05	6.14341E-05	6.3899E-05	9.26086E-06	4.76545E-05	8.15194E-05
3314	5.91307E-05	6.18534E-05	1.17663E-05	4.58986E-05	7.85066E-05	5.81192E-05	6.04769E-05	8.21359E-06	4.58986E-05	8.30137E-05
3315	5.94089E-05	6.21432E-05	1.18437E-05	4.73118E-05	8.34147E-05	5.88057E-05	6.12076E-05	7.96694E-06	4.73118E-05	8.81399E-05
3316	6.22955E-05	6.51541E-05	1.25677E-05	5.09884E-05	9.04382E-05	6.21024E-05	6.46511E-05	8.15653E-06	5.09884E-05	9.54951E-05
3317	6.73995E-05	7.0482E-05	1.37772E-05	5.56096E-05	9.81809E-05	6.72957E-05	7.00535E-05	8.92198E-06	5.56096E-05	0.000103618
3318	7.2832E-05	7.61594E-05	1.49494E-05	5.90344E-05	0.000104796	7.23372E-05	7.52806E-05	1.00376E-05	5.90344E-05	0.000109927
3319	7.43282E-05	7.76999E-05	1.56759E-05	5.95109E-05	0.000201552	7.34819E-05	7.64214E-05	1.12638E-05	5.95109E-05	0.000200706
3320	7.23821E-05	7.56402E-05	1.57043E-05	5.84643E-05	0.000203817	7.16442E-05	7.44787E-05	1.16492E-05	5.84643E-05	0.000202468
3321	7.29562E-05	7.62365E-05	1.58932E-05	5.86571E-05	0.000205782	7.20964E-05	7.49425E-05	1.18556E-05	5.86571E-05	0.000204555
3322	7.40864E-05	7.74157E-05	1.61707E-05	5.90035E-05	0.000206293	7.30059E-05	7.58784E-05	1.22046E-05	5.90035E-05	0.000205108
3323	7.50186E-05	7.83947E-05	1.62886E-05	5.86345E-05	0.000206444	7.35628E-05	7.64439E-05	1.25821E-05	5.86345E-05	0.00020528
3324	7.44709E-05	7.78229E-05	1.61609E-05	5.86173E-05	0.000192006	7.31727E-05	7.60449E-05	1.23793E-05	5.86173E-05	0.000191939
3325	7.56025E-05	7.90034E-05	1.6441E-05	6.00186E-05	0.000190368	7.44523E-05	7.7381E-05	1.24611E-05	6.00186E-05	0.000190228
3326	7.735E-05	8.08317E-05	1.67837E-05	6.23391E-05	0.000184943	7.65127E-05	7.95377E-05	1.2485E-05	6.23391E-05	0.000184545
3327	8.29474E-05	8.66844E-05	1.79397E-05	6.76854E-05	0.000192412	8.23616E-05	8.56322E-05	1.31344E-05	6.76854E-05	0.000190593
3328	8.7516E-05	9.14605E-05	1.88984E-05	7.13437E-05	0.000185398	8.68831E-05	9.03333E-05	1.38551E-05	7.13437E-05	0.000183226
3329	9.01128E-05	9.41741E-05	1.94616E-05	7.31004E-05	0.000180328	8.9334E-05	9.28761E-05	1.43598E-05	7.31004E-05	0.000177887
3330	9.69016E-05	0.00010126	2.10785E-05	7.63952E-05	0.000177559	9.52389E-05	9.89773E-05	1.61115E-05	7.63952E-05	0.000174954
3331	0.000106329	0.000111098	2.33593E-05	7.96844E-05	0.000146358	0.000102976	0.000106948	1.88969E-05	7.96844E-05	0.00014579
3332	0.000108801	0.000113673	2.40347E-05	7.92421E-05	0.000115651	0.000104522	0.000108514	2.00142E-05	7.92421E-05	0.0001178
3333	0.000107665	0.000112512	2.33499E-05	7.60554E-05	9.72632E-05	0.000102694	0.00010662	1.95865E-05	7.60554E-05	0.000100299
3334	0.000100081	0.000104617	2.11889E-05	6.93675E-05	7.97064E-05	9.51071E-05	9.87674E-05	1.76315E-05	6.93675E-05	8.43182E-05
3335	8.67091E-05	9.06466E-05	1.82124E-05	6.08746E-05	7.70741E-05	8.2705E-05	8.59114E-05	1.48379E-05	6.08746E-05	8.15502E-05

3336	7.4191E-05	7.7577E-05	1.52875E-05	5.36198E-05	7.56546E-05	7.13846E-05	7.41927E-05	1.19484E-05	5.36198E-05	8.00521E-05
3337	6.30006E-05	6.58914E-05	1.27131E-05	4.76545E-05	7.7064E-05	6.14341E-05	6.3899E-05	9.26086E-06	4.76545E-05	8.15194E-05
3338	5.91307E-05	6.18534E-05	1.17663E-05	4.58986E-05	7.85066E-05	5.81192E-05	6.04769E-05	8.21359E-06	4.58986E-05	8.30137E-05
3339	5.94089E-05	6.21432E-05	1.18437E-05	4.73118E-05	8.34147E-05	5.88057E-05	6.12076E-05	7.96694E-06	4.73118E-05	8.81399E-05
3340	6.22955E-05	6.51541E-05	1.25677E-05	5.09884E-05	9.04382E-05	6.21024E-05	6.46511E-05	8.15653E-06	5.09884E-05	9.54951E-05
3341	6.73995E-05	7.0482E-05	1.37772E-05	5.56096E-05	9.81809E-05	6.72957E-05	7.00535E-05	8.92198E-06	5.56096E-05	0.000103618
3342	7.2832E-05	7.61594E-05	1.49494E-05	5.90344E-05	0.000104796	7.23372E-05	7.52806E-05	1.00376E-05	5.90344E-05	0.000109927
3343	7.43282E-05	7.76999E-05	1.56759E-05	5.95109E-05	0.000201552	7.34819E-05	7.64214E-05	1.12638E-05	5.95109E-05	0.000200706
3344	7.23821E-05	7.56402E-05	1.57043E-05	5.84643E-05	0.000203817	7.16442E-05	7.44787E-05	1.16492E-05	5.84643E-05	0.000202468
3345	7.29562E-05	7.62365E-05	1.58932E-05	5.86571E-05	0.000205782	7.20964E-05	7.49425E-05	1.18556E-05	5.86571E-05	0.000204555
3346	7.40864E-05	7.74157E-05	1.61707E-05	5.90035E-05	0.000206293	7.30059E-05	7.58784E-05	1.22046E-05	5.90035E-05	0.000205108
3347	7.50186E-05	7.83947E-05	1.62886E-05	5.86345E-05	0.000206444	7.35628E-05	7.64439E-05	1.25821E-05	5.86345E-05	0.00020528
3348	7.44709E-05	7.78229E-05	1.61609E-05	5.86173E-05	0.000192006	7.31727E-05	7.60449E-05	1.23793E-05	5.86173E-05	0.000191939
3349	7.56025E-05	7.90034E-05	1.6441E-05	6.00186E-05	0.000190368	7.44523E-05	7.7381E-05	1.24611E-05	6.00186E-05	0.000190228
3350	7.735E-05	8.08317E-05	1.67837E-05	6.23391E-05	0.000184943	7.65127E-05	7.95377E-05	1.2485E-05	6.23391E-05	0.000184545
3351	8.29474E-05	8.66844E-05	1.79397E-05	6.76854E-05	0.000192412	8.23616E-05	8.56322E-05	1.31344E-05	6.76854E-05	0.000190593
3352	8.7516E-05	9.14605E-05	1.88984E-05	7.13437E-05	0.000185398	8.68831E-05	9.03333E-05	1.38551E-05	7.13437E-05	0.000183226
3353	9.01128E-05	9.41741E-05	1.94616E-05	7.31004E-05	0.000180328	8.9334E-05	9.28761E-05	1.43598E-05	7.31004E-05	0.000177887
3354	9.69016E-05	0.00010126	2.10785E-05	7.63952E-05	0.000177559	9.52389E-05	9.89773E-05	1.61115E-05	7.63952E-05	0.000174954
3355	0.000106329	0.000111098	2.33593E-05	7.96844E-05	0.000146358	0.000102976	0.000106948	1.88969E-05	7.96844E-05	0.00014579
3356	0.000108801	0.000113673	2.40347E-05	7.92421E-05	0.000115651	0.000104522	0.000108514	2.00142E-05	7.92421E-05	0.0001178
3357	0.000107665	0.000112512	2.33499E-05	7.60554E-05	9.72632E-05	0.000102694	0.00010662	1.95865E-05	7.60554E-05	0.000100299
3358	0.000100081	0.000104617	2.11889E-05	6.93675E-05	7.97064E-05	9.51071E-05	9.87674E-05	1.76315E-05	6.93675E-05	8.43182E-05
3359	8.67091E-05	9.06466E-05	1.82124E-05	6.08746E-05	7.70741E-05	8.2705E-05	8.59114E-05	1.48379E-05	6.08746E-05	8.15502E-05
3360	7.4191E-05	7.7577E-05	1.52875E-05	5.36198E-05	7.56546E-05	7.13846E-05	7.41927E-05	1.19484E-05	5.36198E-05	8.00521E-05
3361	6.30006E-05	6.58914E-05	1.27131E-05	4.76545E-05	7.7064E-05	6.14341E-05	6.3899E-05	9.26086E-06	4.76545E-05	8.15194E-05
3362	5.91307E-05	6.18534E-05	1.17663E-05	4.58986E-05	7.85066E-05	5.81192E-05	6.04769E-05	8.21359E-06	4.58986E-05	8.30137E-05
3363	5.94089E-05	6.21432E-05	1.18437E-05	4.73118E-05	8.34147E-05	5.88057E-05	6.12076E-05	7.96694E-06	4.73118E-05	8.81399E-05
3364	6.22955E-05	6.51541E-05	1.25677E-05	5.09884E-05	9.04382E-05	6.21024E-05	6.46511E-05	8.15653E-06	5.09884E-05	9.54951E-05
3365	6.73995E-05	7.0482E-05	1.37772E-05	5.56096E-05	9.81809E-05	6.72957E-05	7.00535E-05	8.92198E-06	5.56096E-05	0.000103618
3366	7.2832E-05	7.61594E-05	1.49494E-05	5.90344E-05	0.000104796	7.23372E-05	7.52806E-05	1.00376E-05	5.90344E-05	0.000109927
3367	7.43282E-05	7.76999E-05	1.56759E-05	5.95109E-05	0.000201552	7.34819E-05	7.64214E-05	1.12638E-05	5.95109E-05	0.000200706
3368	7.23821E-05	7.56402E-05	1.57043E-05	5.84643E-05	0.000203817	7.16442E-05	7.44787E-05	1.16492E-05	5.84643E-05	0.000202468
3369	7.29562E-05	7.62365E-05	1.58932E-05	5.86571E-05	0.000205782	7.20964E-05	7.49425E-05	1.18556E-05	5.86571E-05	0.000204555
3370	7.40864E-05	7.74157E-05	1.61707E-05	5.90035E-05	0.000206293	7.30059E-05	7.58784E-05	1.22046E-05	5.90035E-05	0.000205108
3371	7.50186E-05	7.83947E-05	1.62886E-05	5.86345E-05	0.000206444	7.35628E-05	7.64439E-05	1.25821E-05	5.86345E-05	0.00020528
3372	7.44709E-05	7.78229E-05	1.61609E-05	5.86173E-05	0.000192006	7.31727E-05	7.60449E-05	1.23793E-05	5.86173E-05	0.000191939
3373	7.56025E-05	7.90034E-05	1.6441E-05	6.00186E-05	0.000190368	7.44523E-05	7.7381E-05	1.24611E-05	6.00186E-05	0.000190228
3374	7.735E-05	8.08317E-05	1.67837E-05	6.23391E-05	0.000184943	7.65127E-05	7.95377E-05	1.2485E-05	6.23391E-05	0.000184545
3375	8.29474E-05	8.66844E-05	1.79397E-05	6.76854E-05	0.000192412	8.23616E-05	8.56322E-05	1.31344E-05	6.76854E-05	0.000190593
3376	8.7516E-05	9.14605E-05	1.88984E-05	7.13437E-05	0.000185398	8.68831E-05	9.03333E-05	1.38551E-05	7.13437E-05	0.000183226
3377	9.01128E-05	9.41741E-05	1.94616E-05	7.31004E-05	0.000180328	8.9334E-05	9.28761E-05	1.43598E-05	7.31004E-05	0.000177887
3378	9.69016E-05	0.00010126	2.10785E-05	7.63952E-05	0.000177559	9.52389E-05	9.89773E-05	1.61115E-05	7.63952E-05	0.000174954
3379	0.000106329	0.000111098	2.33593E-05	7.96844E-05	0.000146358	0.000102976	0.000106948	1.88969E-05	7.96844E-05	0.00014579
3380	0.000108801	0.000113673	2.40347E-05	7.92421E-05	0.000115651	0.000104522	0.000108514	2.00142E-05	7.92421E-05	0.0001178
3381	0.000107665	0.000112512	2.33499E-05	7.60554E-05	9.72632E-05	0.000102694	0.00010662	1.95865E-05	7.60554E-05	0.000100299
3382	0.000100081	0.000104617	2.11889E-05	6.93675E-05	7.97064E-05	9.51071E-05	9.87674E-05	1.76315E-05	6.93675E-05	8.43182E-05
3383	8.67091E-05	9.06466E-05	1.82124E-05	6.08746E-05	7.70741E-05	8.2705E-05	8.59114E-05	1.48379E-05	6.08746E-05	8.15502E-05
3384	7.4191E-05	7.7577E-05	1.52875E-05	5.36198E-05	7.56546E-05	7.13846E-05	7.41927E-05	1.19484E-05	5.36198E-05	8.00521E-05
3385	6.3397E-05	6.63057E-05	1.2799E-05	4.80376E-05	7.64968E-05	6.18486E-05	6.43308E-05	9.30852E-06	4.80376E-05	8.09339E-05
3386	5.88757E-05	6.15864E-05	1.17204E-05	4.57091E-05	7.89153E-05	5.78694E-05	6.02172E-05	8.17491E-06	4.57091E-05	8.344E-05
3387	5.9481E-05	6.22183E-05	1.18629E-05	4.74036E-05	8.3902E-05	5.88876E-05	6.12931E-05	7.97248E-06	4.74036E-05	8.86485E-05
3388	6.25961E-05	6.54682E-05	1.26344E-05	5.12881E-05	9.1017E-05	6.24194E-05	6.49814E-05	8.19137E-06	5.12881E-05	9.60991E-05
3389	6.7576E-05	7.06659E-05	1.38255E-05	5.58418E-05	9.90266E-05	6.74985E-05	7.02654E-05	8.93452E-06	5.58418E-05	0.000104503
3390	7.3121E-05	7.64609E-05	1.50211E-05	5.93696E-05	0.000105958	7.2656E-05	7.56131E-05	1.00644E-05	5.93696E-05	0.000111146
3391	7.61829E-05	7.96539E-05	1.58002E-05	5.9939E-05	0.000203086	7.50045E-05	7.80118E-05	1.13512E-05	5.9939E-05	0.000202315
3392	7.26321E-05	7.59019E-05	1.57518E-05	5.86648E-05	0.000205511	7.18935E-05	7.4738E-05	1.1685E-05	5.86648E-05	0.000204245
3393	7.31377E-05	7.64267E-05	1.5922E-05	5.87683E-05	0.000207475	7.22671E-05	7.51198E-05	1.18865E-05	5.87683E-05	0.000206332
3394	7.41361E-05	7.74675E-05	1.61842E-05	5.90682E-05	0.000207967	7.30628E-05	7.59378E-05	1.22082E-05	5.90682E-05	0.000206866
3395	7.49762E-05	7.83505E-05	1.6278E-05	5.85849E-05	0.000208071	7.3516E-05	7.63949E-05	1.25782E-05	5.85849E-05	0.000206991
3396	7.42259E-05	7.75667E-05	1.61095E-05	5.83904E-05	0.000193569	7.29195E-05	7.57811E-05	1.23484E-05	5.83904E-05	0.000193584
3397	7.51421E-05	7.8522E-05	1.63464E-05	5.96054E-05	0.000191757	7.39804E-05	7.68897E-05	1.24013E-05	5.96054E-05	0.00019169
3398	7.71185E-05	8.0589E-05	1.67453E-05	6.21872E-05	0.00018613	7.62919E-05	7.93083E-05	1.2447E-05	6.21872E-05	0.000185799
3399	8.32525E-05	8.70029E-05	1.80114E-05	6.80149E-05	0.00019348	8.26908E-05	8.59755E-05	1.31662E-05	6.80149E-05	0.000191722
3400	8.87347E-05	9.27349E-05	1.91463E-05	7.2423E-05	0.000186508	8.8128E-05	9.16295E-05	1.40155E-05	7.2423E-05	0.000184398
3401	9.1372E-05	9.54908E-05	1.97219E-05	7.42415E-05	0.000181351	9.06281E-05	9.42237E-05	1.45219E-05	7.42415E-05	0.000178967
3402	9.81221E-05	0.000102537	2.1329E-05	7.74897E-05	0.000178493	9.64898E-05	0.00010028	1.62702E-05	7.74897E-05	0.000175938
3403	0.000107455	0.000112276	2.35877E-05	8.06777E-05	0.000147418	0.000104125	0.000108145	1.90456E-05	8.06777E-05	0.000146904
3404	0.000109873	0.000114795	2.42542E-05	8.02002E-05	0.000116651	0.00010562	0.000109658	2.01542E-05	8.02002E-05	0.000118852
3405	0.000107016	0.000111818	2.34801E-05	7.67519E-05	9.82446E-05	0.00010242	0.00010633	1.96498E-05	7.67519E-05	0.000101334
3406	0.00010082	0.000105389	2.13404E-05	7.00293E-05	8.06297E-05	9.58637E-05	9.95552E-05	1.77276E-05	7.00293E-05	8.5293E-05
3407	8.71628E-05	9.11209E-05	1.83078E-05	6.1295E-05	7.79166E-05	8.3174E-05	8.63998E-05	1.48949E-05	6.1295E-05	8.24406E-05
3408	7.45696E-05	7.79729E-05	1.53668E-05	5.39692E-05	7.64038E-05	7.17757E-05	7.45999E-05	1.19963E-05	5.39692E-05	8.08449E-05
3409	6.3397E-05	6.63057E-05	1.2799E-05	4.80376E-05	7.64968E-05	6.18486E-05	6.43308E-05	9.30852E-06	4.80376E-05	8.09339E-05
3410	5.88757E-05	6.15864E-05	1.17204E-05	4.57091E-05	7.89153E-05	5.78694E-05	6.02172E-05	8.17491E-06	4.57091E-05	8.344E-05
3411	5.9481E-05	6.22183E-05	1.18629E-05	4.74036E-05	8.3902E-05	5.88876E-05	6.12931E-05	7.97248E-06	4.74036E-05	8.86485E-05

3412	6.25961E-05	6.54682E-05	1.26344E-05	5.12881E-05	9.1017E-05	6.24194E-05	6.49814E-05	8.19137E-06	5.12881E-05	9.60991E-05
3413	6.7576E-05	7.06659E-05	1.38255E-05	5.58418E-05	9.90266E-05	6.74985E-05	7.02654E-05	8.93452E-06	5.58418E-05	0.000104503
3414	7.3121E-05	7.64609E-05	1.50211E-05	5.93696E-05	0.000105958	7.2656E-05	7.56131E-05	1.00644E-05	5.93696E-05	0.000111146
3415	7.61829E-05	7.96539E-05	1.58002E-05	5.9939E-05	0.000203086	7.50045E-05	7.80118E-05	1.13512E-05	5.9939E-05	0.000202315
3416	7.26321E-05	7.59019E-05	1.57518E-05	5.86648E-05	0.000205511	7.18935E-05	7.4738E-05	1.1685E-05	5.86648E-05	0.000204245
3417	7.31377E-05	7.64267E-05	1.5922E-05	5.87683E-05	0.000207475	7.22671E-05	7.51198E-05	1.18865E-05	5.87683E-05	0.000206332
3418	7.41361E-05	7.74675E-05	1.61842E-05	5.90682E-05	0.000207967	7.30628E-05	7.59378E-05	1.22082E-05	5.90682E-05	0.000206866
3419	7.49762E-05	7.83505E-05	1.6278E-05	5.85849E-05	0.000208071	7.3516E-05	7.63949E-05	1.25782E-05	5.85849E-05	0.000206991
3420	7.42259E-05	7.75667E-05	1.61095E-05	5.83904E-05	0.000193569	7.29195E-05	7.57811E-05	1.23484E-05	5.83904E-05	0.000193584
3421	7.51421E-05	7.8522E-05	1.63464E-05	5.96054E-05	0.000191757	7.39804E-05	7.68897E-05	1.24013E-05	5.96054E-05	0.00019169
3422	7.71185E-05	8.0589E-05	1.67453E-05	6.21872E-05	0.00018613	7.62919E-05	7.93083E-05	1.2447E-05	6.21872E-05	0.000185799
3423	8.32525E-05	8.70029E-05	1.80114E-05	6.80149E-05	0.00019348	8.26908E-05	8.59755E-05	1.31662E-05	6.80149E-05	0.000191722
3424	8.87347E-05	9.27349E-05	1.91463E-05	7.2423E-05	0.000186508	8.8128E-05	9.16295E-05	1.40155E-05	7.2423E-05	0.000184398
3425	9.1372E-05	9.54908E-05	1.97219E-05	7.42415E-05	0.000181351	9.06281E-05	9.42237E-05	1.45219E-05	7.42415E-05	0.000178967
3426	9.81221E-05	0.000102537	2.1329E-05	7.74897E-05	0.000178493	9.64898E-05	0.00010028	1.62702E-05	7.74897E-05	0.000175938
3427	0.000107455	0.000112276	2.35877E-05	8.06777E-05	0.000147418	0.000104125	0.000108145	1.90456E-05	8.06777E-05	0.000146904
3428	0.000109873	0.000114795	2.42542E-05	8.02002E-05	0.000116651	0.00010562	0.000109658	2.01542E-05	8.02002E-05	0.000118852
3429	0.000107016	0.000111818	2.34801E-05	7.67519E-05	9.82446E-05	0.00010242	0.00010633	1.96498E-05	7.67519E-05	0.000101334
3430	0.00010082	0.000105389	2.13404E-05	7.00293E-05	8.06297E-05	9.58637E-05	9.95552E-05	1.77276E-05	7.00293E-05	8.5293E-05
3431	8.71628E-05	9.11209E-05	1.83078E-05	6.1295E-05	7.79166E-05	8.3174E-05	8.63998E-05	1.48949E-05	6.1295E-05	8.24406E-05
3432	7.45696E-05	7.79729E-05	1.53668E-05	5.39692E-05	7.64038E-05	7.17757E-05	7.45999E-05	1.19963E-05	5.39692E-05	8.08449E-05
3433	6.30006E-05	6.58914E-05	1.27131E-05	4.76545E-05	7.7064E-05	6.14341E-05	6.3899E-05	9.26086E-06	4.76545E-05	8.15194E-05
3434	5.91307E-05	6.18534E-05	1.17663E-05	4.58986E-05	7.85066E-05	5.81192E-05	6.04769E-05	8.21359E-06	4.58986E-05	8.30137E-05
3435	5.94089E-05	6.21432E-05	1.18437E-05	4.73118E-05	8.34147E-05	5.88057E-05	6.12076E-05	7.96694E-06	4.73118E-05	8.81399E-05
3436	6.22955E-05	6.51541E-05	1.25677E-05	5.09884E-05	9.04382E-05	6.21024E-05	6.46511E-05	8.15653E-06	5.09884E-05	9.54951E-05
3437	6.73995E-05	7.0482E-05	1.37772E-05	5.56096E-05	9.81809E-05	6.72957E-05	7.00535E-05	8.92198E-06	5.56096E-05	0.000103618
3438	7.2832E-05	7.61594E-05	1.49494E-05	5.90344E-05	0.000104796	7.23372E-05	7.52806E-05	1.00376E-05	5.90344E-05	0.000109927
3439	7.43282E-05	7.76999E-05	1.56759E-05	5.95109E-05	0.000201552	7.34819E-05	7.64214E-05	1.12638E-05	5.95109E-05	0.000200706
3440	7.23821E-05	7.56402E-05	1.57043E-05	5.84643E-05	0.000203817	7.16442E-05	7.44787E-05	1.16492E-05	5.84643E-05	0.000202468
3441	7.29562E-05	7.62365E-05	1.58932E-05	5.86571E-05	0.000205782	7.20964E-05	7.49425E-05	1.18556E-05	5.86571E-05	0.000204555
3442	7.40864E-05	7.74157E-05	1.61707E-05	5.90035E-05	0.000206293	7.30059E-05	7.58784E-05	1.22046E-05	5.90035E-05	0.000205108
3443	7.50186E-05	7.83947E-05	1.62886E-05	5.86345E-05	0.000206444	7.35628E-05	7.64439E-05	1.25821E-05	5.86345E-05	0.00020528
3444	7.44709E-05	7.78229E-05	1.61609E-05	5.86173E-05	0.000192006	7.31727E-05	7.60449E-05	1.23793E-05	5.86173E-05	0.000191939
3445	7.56025E-05	7.90034E-05	1.6441E-05	6.00186E-05	0.000190368	7.44523E-05	7.7381E-05	1.24611E-05	6.00186E-05	0.000190228
3446	7.735E-05	8.08317E-05	1.67837E-05	6.23391E-05	0.000184943	7.65127E-05	7.95377E-05	1.2485E-05	6.23391E-05	0.000184545
3447	8.29474E-05	8.66844E-05	1.79397E-05	6.76854E-05	0.000192412	8.23616E-05	8.56322E-05	1.31344E-05	6.76854E-05	0.000190593
3448	8.7516E-05	9.14605E-05	1.88984E-05	7.13437E-05	0.000185398	8.68831E-05	9.03333E-05	1.38551E-05	7.13437E-05	0.000183226
3449	9.01128E-05	9.41741E-05	1.94616E-05	7.31004E-05	0.000180328	8.9334E-05	9.28761E-05	1.43598E-05	7.31004E-05	0.000177887
3450	9.69016E-05	0.00010126	2.10785E-05	7.63952E-05	0.000177559	9.52389E-05	9.89773E-05	1.61115E-05	7.63952E-05	0.000174954
3451	0.000106329	0.000111098	2.33593E-05	7.96844E-05	0.000146358	0.000102976	0.000106948	1.88969E-05	7.96844E-05	0.00014579
3452	0.000108801	0.000113673	2.40347E-05	7.92421E-05	0.000115651	0.000104522	0.000108514	2.00142E-05	7.92421E-05	0.0001178
3453	0.000107665	0.000112512	2.33499E-05	7.60554E-05	9.72632E-05	0.000102694	0.00010662	1.95865E-05	7.60554E-05	0.000100299
3454	0.000100081	0.000104617	2.11889E-05	6.93675E-05	7.97064E-05	9.51071E-05	9.87674E-05	1.76315E-05	6.93675E-05	8.43182E-05
3455	8.67091E-05	9.06466E-05	1.82124E-05	6.08746E-05	7.70741E-05	8.2705E-05	8.59114E-05	1.48379E-05	6.08746E-05	8.15502E-05
3456	7.4191E-05	7.7577E-05	1.52875E-05	5.36198E-05	7.56546E-05	7.13846E-05	7.41927E-05	1.19484E-05	5.36198E-05	8.00521E-05
3457	6.30006E-05	6.58914E-05	1.27131E-05	4.76545E-05	7.7064E-05	6.14341E-05	6.3899E-05	9.26086E-06	4.76545E-05	8.15194E-05
3458	5.91307E-05	6.18534E-05	1.17663E-05	4.58986E-05	7.85066E-05	5.81192E-05	6.04769E-05	8.21359E-06	4.58986E-05	8.30137E-05
3459	5.94089E-05	6.21432E-05	1.18437E-05	4.73118E-05	8.34147E-05	5.88057E-05	6.12076E-05	7.96694E-06	4.73118E-05	8.81399E-05
3460	6.22955E-05	6.51541E-05	1.25677E-05	5.09884E-05	9.04382E-05	6.21024E-05	6.46511E-05	8.15653E-06	5.09884E-05	9.54951E-05
3461	6.73995E-05	7.0482E-05	1.37772E-05	5.56096E-05	9.81809E-05	6.72957E-05	7.00535E-05	8.92198E-06	5.56096E-05	0.000103618
3462	7.2832E-05	7.61594E-05	1.49494E-05	5.90344E-05	0.000104796	7.23372E-05	7.52806E-05	1.00376E-05	5.90344E-05	0.000109927
3463	7.43282E-05	7.76999E-05	1.56759E-05	5.95109E-05	0.000201552	7.34819E-05	7.64214E-05	1.12638E-05	5.95109E-05	0.000200706
3464	7.23821E-05	7.56402E-05	1.57043E-05	5.84643E-05	0.000203817	7.16442E-05	7.44787E-05	1.16492E-05	5.84643E-05	0.000202468
3465	7.29562E-05	7.62365E-05	1.58932E-05	5.86571E-05	0.000205782	7.20964E-05	7.49425E-05	1.18556E-05	5.86571E-05	0.000204555
3466	7.40864E-05	7.74157E-05	1.61707E-05	5.90035E-05	0.000206293	7.30059E-05	7.58784E-05	1.22046E-05	5.90035E-05	0.000205108
3467	7.50186E-05	7.83947E-05	1.62886E-05	5.86345E-05	0.000206444	7.35628E-05	7.64439E-05	1.25821E-05	5.86345E-05	0.00020528
3468	7.44709E-05	7.78229E-05	1.61609E-05	5.86173E-05	0.000192006	7.31727E-05	7.60449E-05	1.23793E-05	5.86173E-05	0.000191939
3469	7.56025E-05	7.90034E-05	1.6441E-05	6.00186E-05	0.000190368	7.44523E-05	7.7381E-05	1.24611E-05	6.00186E-05	0.000190228
3470	7.735E-05	8.08317E-05	1.67837E-05	6.23391E-05	0.000184943	7.65127E-05	7.95377E-05	1.2485E-05	6.23391E-05	0.000184545
3471	8.29474E-05	8.66844E-05	1.79397E-05	6.76854E-05	0.000192412	8.23616E-05	8.56322E-05	1.31344E-05	6.76854E-05	0.000190593
3472	8.7516E-05	9.14605E-05	1.88984E-05	7.13437E-05	0.000185398	8.68831E-05	9.03333E-05	1.38551E-05	7.13437E-05	0.000183226
3473	9.01128E-05	9.41741E-05	1.94616E-05	7.31004E-05	0.000180328	8.9334E-05	9.28761E-05	1.43598E-05	7.31004E-05	0.000177887
3474	9.69016E-05	0.00010126	2.10785E-05	7.63952E-05	0.000177559	9.52389E-05	9.89773E-05	1.61115E-05	7.63952E-05	0.000174954
3475	0.000106329	0.000111098	2.33593E-05	7.96844E-05	0.000146358	0.000102976	0.000106948	1.88969E-05	7.96844E-05	0.00014579
3476	0.000108801	0.000113673	2.40347E-05	7.92421E-05	0.000115651	0.000104522	0.000108514	2.00142E-05	7.92421E-05	0.0001178
3477	0.000107665	0.000112512	2.33499E-05	7.60554E-05	9.72632E-05	0.000102694	0.00010662	1.95865E-05	7.60554E-05	0.000100299
3478	0.000100081	0.000104617	2.11889E-05	6.93675E-05	7.97064E-05	9.51071E-05	9.87674E-05	1.76315E-05	6.93675E-05	8.43182E-05
3479	8.67091E-05	9.06466E-05	1.82124E-05	6.08746E-05	7.70741E-05	8.2705E-05	8.59114E-05	1.48379E-05	6.08746E-05	8.15502E-05
3480	7.4191E-05	7.7577E-05	1.52875E-05	5.36198E-05	7.56546E-05	7.13846E-05	7.41927E-05	1.19484E-05	5.36198E-05	8.00521E-05
3481	6.30006E-05	6.58914E-05	1.27131E-05	4.76545E-05	7.7064E-05	6.14341E-05	6.3899E-05	9.26086E-06	4.76545E-05	8.15194E-05
3482	5.91307E-05	6.18534E-05	1.17663E-05	4.58986E-05	7.85066E-05	5.81192E-05	6.04769E-05	8.21359E-06	4.58986E-05	8.30137E-05
3483	5.94089E-05	6.21432E-05	1.18437E-05	4.73118E-05	8.34147E-05	5.88057E-05	6.12076E-05	7.96694E-06	4.73118E-05	8.81399E-05
3484	6.22955E-05	6.51541E-05	1.25677E-05	5.09884E-05	9.04382E-05	6.21024E-05	6.46511E-05	8.15653E-06	5.09884E-05	9.54951E-05
3485	6.73995E-05	7.0482E-05	1.37772E-05	5.56096E-05	9.81809E-05	6.72957E-05	7.00535E-05	8.92198E-06	5.56096E-05	0.000103618
3486	7.2832E-05	7.61594E-05	1.49494E-05	5.90344E-05	0.000104796	7.23372E-05	7.52806E-05	1.00376E-05	5.90344E-05	0.000109927
3487	7.43282E-05	7.76999E-05	1.56759E-05	5.95109E-05	0.000201552	7.34819E-05	7.64214E-05	1.12638E-05	5.95109E-05	0.000200706

3488	7.23821E-05	7.56402E-05	1.57043E-05	5.84643E-05	0.000203817	7.16442E-05	7.44787E-05	1.16492E-05	5.84643E-05	0.000202468
3489	7.29562E-05	7.62365E-05	1.58932E-05	5.86571E-05	0.000205782	7.20964E-05	7.49425E-05	1.18556E-05	5.86571E-05	0.000204555
3490	7.40864E-05	7.74157E-05	1.61707E-05	5.90035E-05	0.000206293	7.30059E-05	7.58784E-05	1.22046E-05	5.90035E-05	0.000205108
3491	7.50186E-05	7.83947E-05	1.62886E-05	5.86345E-05	0.000206444	7.35628E-05	7.64439E-05	1.25821E-05	5.86345E-05	0.00020528
3492	7.44709E-05	7.78229E-05	1.61609E-05	5.86173E-05	0.000192006	7.31727E-05	7.60449E-05	1.23793E-05	5.86173E-05	0.000191939
3493	7.56025E-05	7.90034E-05	1.6441E-05	6.00186E-05	0.000190368	7.44523E-05	7.7381E-05	1.24611E-05	6.00186E-05	0.000190228
3494	7.735E-05	8.08317E-05	1.67837E-05	6.23391E-05	0.000184943	7.65127E-05	7.95377E-05	1.2485E-05	6.23391E-05	0.000184545
3495	8.29474E-05	8.66844E-05	1.79397E-05	6.76854E-05	0.000192412	8.23616E-05	8.56322E-05	1.31344E-05	6.76854E-05	0.000190593
3496	8.7516E-05	9.14605E-05	1.88984E-05	7.13437E-05	0.000185398	8.68831E-05	9.03333E-05	1.38551E-05	7.13437E-05	0.000183226
3497	9.01128E-05	9.41741E-05	1.94616E-05	7.31004E-05	0.000180328	8.9334E-05	9.28761E-05	1.43598E-05	7.31004E-05	0.000177887
3498	9.69016E-05	0.00010126	2.10785E-05	7.63952E-05	0.000177559	9.52389E-05	9.89773E-05	1.61115E-05	7.63952E-05	0.000174954
3499	0.000106329	0.000111098	2.33593E-05	7.96844E-05	0.000146358	0.000102976	0.000106948	1.88969E-05	7.96844E-05	0.00014579
3500	0.000108801	0.000113673	2.40347E-05	7.92421E-05	0.000115651	0.000104522	0.000108514	2.00142E-05	7.92421E-05	0.0001178
3501	0.000107665	0.000112512	2.33499E-05	7.60554E-05	9.72632E-05	0.000102694	0.00010662	1.95865E-05	7.60554E-05	0.000100299
3502	0.000100081	0.000104617	2.11889E-05	6.93675E-05	7.97064E-05	9.51071E-05	9.87674E-05	1.76315E-05	6.93675E-05	8.43182E-05
3503	8.67091E-05	9.06466E-05	1.82124E-05	6.08746E-05	7.70741E-05	8.2705E-05	8.59114E-05	1.48379E-05	6.08746E-05	8.15502E-05
3504	7.4191E-05	7.7577E-05	1.52875E-05	5.36198E-05	7.56546E-05	7.13846E-05	7.41927E-05	1.19484E-05	5.36198E-05	8.00521E-05
3505	6.30006E-05	6.58914E-05	1.27131E-05	4.76545E-05	7.7064E-05	6.14341E-05	6.3899E-05	9.26086E-06	4.76545E-05	8.15194E-05
3506	5.91307E-05	6.18534E-05	1.17663E-05	4.58986E-05	7.85066E-05	5.81192E-05	6.04769E-05	8.21359E-06	4.58986E-05	8.30137E-05
3507	5.94089E-05	6.21432E-05	1.18437E-05	4.73118E-05	8.34147E-05	5.88057E-05	6.12076E-05	7.96694E-06	4.73118E-05	8.81399E-05
3508	6.22955E-05	6.51541E-05	1.25677E-05	5.09884E-05	9.04382E-05	6.21024E-05	6.46511E-05	8.15653E-06	5.09884E-05	9.54951E-05
3509	6.73995E-05	7.0482E-05	1.37772E-05	5.56096E-05	9.81809E-05	6.72957E-05	7.00535E-05	8.92198E-06	5.56096E-05	0.000103618
3510	7.2832E-05	7.61594E-05	1.49494E-05	5.90344E-05	0.000104796	7.23372E-05	7.52806E-05	1.00376E-05	5.90344E-05	0.000109927
3511	7.43282E-05	7.76999E-05	1.56759E-05	5.95109E-05	0.000201552	7.34819E-05	7.64214E-05	1.12638E-05	5.95109E-05	0.000200706
3512	7.23821E-05	7.56402E-05	1.57043E-05	5.84643E-05	0.000203817	7.16442E-05	7.44787E-05	1.16492E-05	5.84643E-05	0.000202468
3513	7.29562E-05	7.62365E-05	1.58932E-05	5.86571E-05	0.000205782	7.20964E-05	7.49425E-05	1.18556E-05	5.86571E-05	0.000204555
3514	7.40864E-05	7.74157E-05	1.61707E-05	5.90035E-05	0.000206293	7.30059E-05	7.58784E-05	1.22046E-05	5.90035E-05	0.000205108
3515	7.50186E-05	7.83947E-05	1.62886E-05	5.86345E-05	0.000206444	7.35628E-05	7.64439E-05	1.25821E-05	5.86345E-05	0.00020528
3516	7.44709E-05	7.78229E-05	1.61609E-05	5.86173E-05	0.000192006	7.31727E-05	7.60449E-05	1.23793E-05	5.86173E-05	0.000191939
3517	7.56025E-05	7.90034E-05	1.6441E-05	6.00186E-05	0.000190368	7.44523E-05	7.7381E-05	1.24611E-05	6.00186E-05	0.000190228
3518	7.735E-05	8.08317E-05	1.67837E-05	6.23391E-05	0.000184943	7.65127E-05	7.95377E-05	1.2485E-05	6.23391E-05	0.000184545
3519	8.29474E-05	8.66844E-05	1.79397E-05	6.76854E-05	0.000192412	8.23616E-05	8.56322E-05	1.31344E-05	6.76854E-05	0.000190593
3520	8.7516E-05	9.14605E-05	1.88984E-05	7.13437E-05	0.000185398	8.68831E-05	9.03333E-05	1.38551E-05	7.13437E-05	0.000183226
3521	9.01128E-05	9.41741E-05	1.94616E-05	7.31004E-05	0.000180328	8.9334E-05	9.28761E-05	1.43598E-05	7.31004E-05	0.000177887
3522	9.69016E-05	0.00010126	2.10785E-05	7.63952E-05	0.000177559	9.52389E-05	9.89773E-05	1.61115E-05	7.63952E-05	0.000174954
3523	0.000106329	0.000111098	2.33593E-05	7.96844E-05	0.000146358	0.000102976	0.000106948	1.88969E-05	7.96844E-05	0.00014579
3524	0.000108801	0.000113673	2.40347E-05	7.92421E-05	0.000115651	0.000104522	0.000108514	2.00142E-05	7.92421E-05	0.0001178
3525	0.000107665	0.000112512	2.33499E-05	7.60554E-05	9.72632E-05	0.000102694	0.00010662	1.95865E-05	7.60554E-05	0.000100299
3526	0.000100081	0.000104617	2.11889E-05	6.93675E-05	7.97064E-05	9.51071E-05	9.87674E-05	1.76315E-05	6.93675E-05	8.43182E-05
3527	8.67091E-05	9.06466E-05	1.82124E-05	6.08746E-05	7.70741E-05	8.2705E-05	8.59114E-05	1.48379E-05	6.08746E-05	8.15502E-05
3528	7.4191E-05	7.7577E-05	1.52875E-05	5.36198E-05	7.56546E-05	7.13846E-05	7.41927E-05	1.19484E-05	5.36198E-05	8.00521E-05
3529	6.30006E-05	6.58914E-05	1.27131E-05	4.76545E-05	7.7064E-05	6.14341E-05	6.3899E-05	9.26086E-06	4.76545E-05	8.15194E-05
3530	5.91307E-05	6.18534E-05	1.17663E-05	4.58986E-05	7.85066E-05	5.81192E-05	6.04769E-05	8.21359E-06	4.58986E-05	8.30137E-05
3531	5.94089E-05	6.21432E-05	1.18437E-05	4.73118E-05	8.34147E-05	5.88057E-05	6.12076E-05	7.96694E-06	4.73118E-05	8.81399E-05
3532	6.22955E-05	6.51541E-05	1.25677E-05	5.09884E-05	9.04382E-05	6.21024E-05	6.46511E-05	8.15653E-06	5.09884E-05	9.54951E-05
3533	6.73995E-05	7.0482E-05	1.37772E-05	5.56096E-05	9.81809E-05	6.72957E-05	7.00535E-05	8.92198E-06	5.56096E-05	0.000103618
3534	7.2832E-05	7.61594E-05	1.49494E-05	5.90344E-05	0.000104796	7.23372E-05	7.52806E-05	1.00376E-05	5.90344E-05	0.000109927
3535	7.43282E-05	7.76999E-05	1.56759E-05	5.95109E-05	0.000201552	7.34819E-05	7.64214E-05	1.12638E-05	5.95109E-05	0.000200706
3536	7.23821E-05	7.56402E-05	1.57043E-05	5.84643E-05	0.000203817	7.16442E-05	7.44787E-05	1.16492E-05	5.84643E-05	0.000202468
3537	7.29562E-05	7.62365E-05	1.58932E-05	5.86571E-05	0.000205782	7.20964E-05	7.49425E-05	1.18556E-05	5.86571E-05	0.000204555
3538	7.40864E-05	7.74157E-05	1.61707E-05	5.90035E-05	0.000206293	7.30059E-05	7.58784E-05	1.22046E-05	5.90035E-05	0.000205108
3539	7.50186E-05	7.83947E-05	1.62886E-05	5.86345E-05	0.000206444	7.35628E-05	7.64439E-05	1.25821E-05	5.86345E-05	0.00020528
3540	7.44709E-05	7.78229E-05	1.61609E-05	5.86173E-05	0.000192006	7.31727E-05	7.60449E-05	1.23793E-05	5.86173E-05	0.000191939
3541	7.56025E-05	7.90034E-05	1.6441E-05	6.00186E-05	0.000190368	7.44523E-05	7.7381E-05	1.24611E-05	6.00186E-05	0.000190228
3542	7.735E-05	8.08317E-05	1.67837E-05	6.23391E-05	0.000184943	7.65127E-05	7.95377E-05	1.2485E-05	6.23391E-05	0.000184545
3543	8.29474E-05	8.66844E-05	1.79397E-05	6.76854E-05	0.000192412	8.23616E-05	8.56322E-05	1.31344E-05	6.76854E-05	0.000190593
3544	8.7516E-05	9.14605E-05	1.88984E-05	7.13437E-05	0.000185398	8.68831E-05	9.03333E-05	1.38551E-05	7.13437E-05	0.000183226
3545	9.01128E-05	9.41741E-05	1.94616E-05	7.31004E-05	0.000180328	8.9334E-05	9.28761E-05	1.43598E-05	7.31004E-05	0.000177887
3546	9.69016E-05	0.00010126	2.10785E-05	7.63952E-05	0.000177559	9.52389E-05	9.89773E-05	1.61115E-05	7.63952E-05	0.000174954
3547	0.000106329	0.000111098	2.33593E-05	7.96844E-05	0.000146358	0.000102976	0.000106948	1.88969E-05	7.96844E-05	0.00014579
3548	0.000108801	0.000113673	2.40347E-05	7.92421E-05	0.000115651	0.000104522	0.000108514	2.00142E-05	7.92421E-05	0.0001178
3549	0.000107665	0.000112512	2.33499E-05	7.60554E-05	9.72632E-05	0.000102694	0.00010662	1.95865E-05	7.60554E-05	0.000100299
3550	0.000100081	0.000104617	2.11889E-05	6.93675E-05	7.97064E-05	9.51071E-05	9.87674E-05	1.76315E-05	6.93675E-05	8.43182E-05
3551	8.67091E-05	9.06466E-05	1.82124E-05	6.08746E-05	7.70741E-05	8.2705E-05	8.59114E-05	1.48379E-05	6.08746E-05	8.15502E-05
3552	7.4191E-05	7.7577E-05	1.52875E-05	5.36198E-05	7.56546E-05	7.13846E-05	7.41927E-05	1.19484E-05	5.36198E-05	8.00521E-05
3553	6.3397E-05	6.63057E-05	1.2799E-05	4.80376E-05	7.64968E-05	6.18486E-05	6.43308E-05	9.30852E-06	4.80376E-05	8.09339E-05
3554	5.88757E-05	6.15864E-05	1.17204E-05	4.57091E-05	7.89153E-05	5.78694E-05	6.02172E-05	8.17491E-06	4.57091E-05	8.344E-05
3555	5.9481E-05	6.22183E-05	1.18629E-05	4.74036E-05	8.3902E-05	5.88876E-05	6.12931E-05	7.97248E-06	4.74036E-05	8.86485E-05
3556	6.25961E-05	6.54682E-05	1.26344E-05	5.12881E-05	9.1017E-05	6.24194E-05	6.49814E-05	8.19137E-06	5.12881E-05	9.60991E-05
3557	6.7576E-05	7.06659E-05	1.38255E-05	5.58418E-05	9.90266E-05	6.74985E-05	7.02654E-05	8.93452E-06	5.58418E-05	0.000104503
3558	7.3121E-05	7.64609E-05	1.50211E-05	5.93696E-05	0.000105958	7.2656E-05	7.56131E-05	1.00644E-05	5.93696E-05	0.000111146
3559	7.61829E-05	7.96539E-05	1.58002E-05	5.9939E-05	0.000203086	7.50045E-05	7.80118E-05	1.13512E-05	5.9939E-05	0.000202315
3560	7.26321E-05	7.59019E-05	1.57518E-05	5.86648E-05	0.000205511	7.18935E-05	7.4738E-05	1.1685E-05	5.86648E-05	0.000204245
3561	7.31377E-05	7.64267E-05	1.5922E-05	5.87683E-05	0.000207475	7.22671E-05	7.51198E-05	1.18865E-05	5.87683E-05	0.000206332
3562	7.41361E-05	7.74675E-05	1.61842E-05	5.90682E-05	0.000207967	7.30628E-05	7.59378E-05	1.22082E-05	5.90682E-05	0.000206866
3563	7.49762E-05	7.83505E-05	1.6278E-05	5.85849E-05	0.000208071	7.3516E-05	7.63949E-05	1.25782E-05	5.85849E-05	0.000206991

3564	7.42259E-05	7.75667E-05	1.61095E-05	5.83904E-05	0.000193569	7.29195E-05	7.57811E-05	1.23484E-05	5.83904E-05	0.000193584
3565	7.51421E-05	7.8522E-05	1.63464E-05	5.96054E-05	0.000191757	7.39804E-05	7.68897E-05	1.24013E-05	5.96054E-05	0.00019169
3566	7.71185E-05	8.0589E-05	1.67453E-05	6.21872E-05	0.00018613	7.62919E-05	7.93083E-05	1.2447E-05	6.21872E-05	0.000185799
3567	8.32525E-05	8.70029E-05	1.80114E-05	6.80149E-05	0.00019348	8.26908E-05	8.59755E-05	1.31662E-05	6.80149E-05	0.000191722
3568	8.87347E-05	9.27349E-05	1.91463E-05	7.2423E-05	0.000186508	8.8128E-05	9.16295E-05	1.40155E-05	7.2423E-05	0.000184398
3569	9.1372E-05	9.54908E-05	1.97219E-05	7.42415E-05	0.000181351	9.06281E-05	9.42237E-05	1.45219E-05	7.42415E-05	0.000178967
3570	9.81221E-05	0.000102537	2.1329E-05	7.74897E-05	0.000178493	9.64898E-05	0.00010028	1.62702E-05	7.74897E-05	0.000175938
3571	0.000107455	0.000112276	2.35877E-05	8.06777E-05	0.000147418	0.000104125	0.000108145	1.90456E-05	8.06777E-05	0.000146904
3572	0.000109873	0.000114795	2.42542E-05	8.02002E-05	0.000116651	0.00010562	0.000109658	2.01542E-05	8.02002E-05	0.000118852
3573	0.000107016	0.000111818	2.34801E-05	7.67519E-05	9.82446E-05	0.00010242	0.00010633	1.96498E-05	7.67519E-05	0.000101334
3574	0.00010082	0.000105389	2.13404E-05	7.00293E-05	8.06297E-05	9.58637E-05	9.95552E-05	1.77276E-05	7.00293E-05	8.5293E-05
3575	8.71628E-05	9.11209E-05	1.83078E-05	6.1295E-05	7.79166E-05	8.3174E-05	8.63998E-05	1.48949E-05	6.1295E-05	8.24406E-05
3576	7.45696E-05	7.79729E-05	1.53668E-05	5.39692E-05	7.64038E-05	7.17757E-05	7.45999E-05	1.19963E-05	5.39692E-05	8.08449E-05
3577	6.3397E-05	6.63057E-05	1.2799E-05	4.80376E-05	7.64968E-05	6.18486E-05	6.43308E-05	9.30852E-06	4.80376E-05	8.09339E-05
3578	5.88757E-05	6.15864E-05	1.17204E-05	4.57091E-05	7.89153E-05	5.78694E-05	6.02172E-05	8.17491E-06	4.57091E-05	8.344E-05
3579	5.9481E-05	6.22183E-05	1.18629E-05	4.74036E-05	8.3902E-05	5.88876E-05	6.12931E-05	7.97248E-06	4.74036E-05	8.86485E-05
3580	6.25961E-05	6.54682E-05	1.26344E-05	5.12881E-05	9.1017E-05	6.24194E-05	6.49814E-05	8.19137E-06	5.12881E-05	9.60991E-05
3581	6.7576E-05	7.06659E-05	1.38255E-05	5.58418E-05	9.90266E-05	6.74985E-05	7.02654E-05	8.93452E-06	5.58418E-05	0.000104503
3582	7.3121E-05	7.64609E-05	1.50211E-05	5.93696E-05	0.000105958	7.2656E-05	7.56131E-05	1.00644E-05	5.93696E-05	0.000111146
3583	7.61829E-05	7.96539E-05	1.58002E-05	5.9939E-05	0.000203086	7.50045E-05	7.80118E-05	1.13512E-05	5.9939E-05	0.000202315
3584	7.26321E-05	7.59019E-05	1.57518E-05	5.86648E-05	0.000205511	7.18935E-05	7.4738E-05	1.1685E-05	5.86648E-05	0.000204245
3585	7.31377E-05	7.64267E-05	1.5922E-05	5.87683E-05	0.000207475	7.22671E-05	7.51198E-05	1.18865E-05	5.87683E-05	0.000206332
3586	7.41361E-05	7.74675E-05	1.61842E-05	5.90682E-05	0.000207967	7.30628E-05	7.59378E-05	1.22082E-05	5.90682E-05	0.000206866
3587	7.49762E-05	7.83505E-05	1.6278E-05	5.85849E-05	0.000208071	7.3516E-05	7.63949E-05	1.25782E-05	5.85849E-05	0.000206991
3588	7.42259E-05	7.75667E-05	1.61095E-05	5.83904E-05	0.000193569	7.29195E-05	7.57811E-05	1.23484E-05	5.83904E-05	0.000193584
3589	7.51421E-05	7.8522E-05	1.63464E-05	5.96054E-05	0.000191757	7.39804E-05	7.68897E-05	1.24013E-05	5.96054E-05	0.00019169
3590	7.71185E-05	8.0589E-05	1.67453E-05	6.21872E-05	0.00018613	7.62919E-05	7.93083E-05	1.2447E-05	6.21872E-05	0.000185799
3591	8.32525E-05	8.70029E-05	1.80114E-05	6.80149E-05	0.00019348	8.26908E-05	8.59755E-05	1.31662E-05	6.80149E-05	0.000191722
3592	8.87347E-05	9.27349E-05	1.91463E-05	7.2423E-05	0.000186508	8.8128E-05	9.16295E-05	1.40155E-05	7.2423E-05	0.000184398
3593	9.1372E-05	9.54908E-05	1.97219E-05	7.42415E-05	0.000181351	9.06281E-05	9.42237E-05	1.45219E-05	7.42415E-05	0.000178967
3594	9.81221E-05	0.000102537	2.1329E-05	7.74897E-05	0.000178493	9.64898E-05	0.00010028	1.62702E-05	7.74897E-05	0.000175938
3595	0.000107455	0.000112276	2.35877E-05	8.06777E-05	0.000147418	0.000104125	0.000108145	1.90456E-05	8.06777E-05	0.000146904
3596	0.000109873	0.000114795	2.42542E-05	8.02002E-05	0.000116651	0.00010562	0.000109658	2.01542E-05	8.02002E-05	0.000118852
3597	0.000107016	0.000111818	2.34801E-05	7.67519E-05	9.82446E-05	0.00010242	0.00010633	1.96498E-05	7.67519E-05	0.000101334
3598	0.00010082	0.000105389	2.13404E-05	7.00293E-05	8.06297E-05	9.58637E-05	9.95552E-05	1.77276E-05	7.00293E-05	8.5293E-05
3599	8.71628E-05	9.11209E-05	1.83078E-05	6.1295E-05	7.79166E-05	8.3174E-05	8.63998E-05	1.48949E-05	6.1295E-05	8.24406E-05
3600	7.45696E-05	7.79729E-05	1.53668E-05	5.39692E-05	7.64038E-05	7.17757E-05	7.45999E-05	1.19963E-05	5.39692E-05	8.08449E-05
3601	6.3397E-05	6.63057E-05	1.2799E-05	4.80376E-05	7.64968E-05	6.18486E-05	6.43308E-05	9.30852E-06	4.80376E-05	8.09339E-05
3602	5.88757E-05	6.15864E-05	1.17204E-05	4.57091E-05	7.89153E-05	5.78694E-05	6.02172E-05	8.17491E-06	4.57091E-05	8.344E-05
3603	5.9481E-05	6.22183E-05	1.18629E-05	4.74036E-05	8.3902E-05	5.88876E-05	6.12931E-05	7.97248E-06	4.74036E-05	8.86485E-05
3604	6.25961E-05	6.54682E-05	1.26344E-05	5.12881E-05	9.1017E-05	6.24194E-05	6.49814E-05	8.19137E-06	5.12881E-05	9.60991E-05
3605	6.7576E-05	7.06659E-05	1.38255E-05	5.58418E-05	9.90266E-05	6.74985E-05	7.02654E-05	8.93452E-06	5.58418E-05	0.000104503
3606	7.3121E-05	7.64609E-05	1.50211E-05	5.93696E-05	0.000105958	7.2656E-05	7.56131E-05	1.00644E-05	5.93696E-05	0.000111146
3607	7.61829E-05	7.96539E-05	1.58002E-05	5.9939E-05	0.000203086	7.50045E-05	7.80118E-05	1.13512E-05	5.9939E-05	0.000202315
3608	7.26321E-05	7.59019E-05	1.57518E-05	5.86648E-05	0.000205511	7.18935E-05	7.4738E-05	1.1685E-05	5.86648E-05	0.000204245
3609	7.31377E-05	7.64267E-05	1.5922E-05	5.87683E-05	0.000207475	7.22671E-05	7.51198E-05	1.18865E-05	5.87683E-05	0.000206332
3610	7.41361E-05	7.74675E-05	1.61842E-05	5.90682E-05	0.000207967	7.30628E-05	7.59378E-05	1.22082E-05	5.90682E-05	0.000206866
3611	7.49762E-05	7.83505E-05	1.6278E-05	5.85849E-05	0.000208071	7.3516E-05	7.63949E-05	1.25782E-05	5.85849E-05	0.000206991
3612	7.42259E-05	7.75667E-05	1.61095E-05	5.83904E-05	0.000193569	7.29195E-05	7.57811E-05	1.23484E-05	5.83904E-05	0.000193584
3613	7.51421E-05	7.8522E-05	1.63464E-05	5.96054E-05	0.000191757	7.39804E-05	7.68897E-05	1.24013E-05	5.96054E-05	0.00019169
3614	7.71185E-05	8.0589E-05	1.67453E-05	6.21872E-05	0.00018613	7.62919E-05	7.93083E-05	1.2447E-05	6.21872E-05	0.000185799
3615	8.32525E-05	8.70029E-05	1.80114E-05	6.80149E-05	0.00019348	8.26908E-05	8.59755E-05	1.31662E-05	6.80149E-05	0.000191722
3616	8.87347E-05	9.27349E-05	1.91463E-05	7.2423E-05	0.000186508	8.8128E-05	9.16295E-05	1.40155E-05	7.2423E-05	0.000184398
3617	9.1372E-05	9.54908E-05	1.97219E-05	7.42415E-05	0.000181351	9.06281E-05	9.42237E-05	1.45219E-05	7.42415E-05	0.000178967
3618	9.81221E-05	0.000102537	2.1329E-05	7.74897E-05	0.000178493	9.64898E-05	0.00010028	1.62702E-05	7.74897E-05	0.000175938
3619	0.000107455	0.000112276	2.35877E-05	8.06777E-05	0.000147418	0.000104125	0.000108145	1.90456E-05	8.06777E-05	0.000146904
3620	0.000109873	0.000114795	2.42542E-05	8.02002E-05	0.000116651	0.00010562	0.000109658	2.01542E-05	8.02002E-05	0.000118852
3621	0.000107016	0.000111818	2.34801E-05	7.67519E-05	9.82446E-05	0.00010242	0.00010633	1.96498E-05	7.67519E-05	0.000101334
3622	0.00010082	0.000105389	2.13404E-05	7.00293E-05	8.06297E-05	9.58637E-05	9.95552E-05	1.77276E-05	7.00293E-05	8.5293E-05
3623	8.71628E-05	9.11209E-05	1.83078E-05	6.1295E-05	7.79166E-05	8.3174E-05	8.63998E-05	1.48949E-05	6.1295E-05	8.24406E-05
3624	7.45696E-05	7.79729E-05	1.53668E-05	5.39692E-05	7.64038E-05	7.17757E-05	7.45999E-05	1.19963E-05	5.39692E-05	8.08449E-05
3625	6.30006E-05	6.58914E-05	1.27131E-05	4.76545E-05	7.7064E-05	6.14341E-05	6.3899E-05	9.26086E-06	4.76545E-05	8.15194E-05
3626	5.91307E-05	6.18534E-05	1.17663E-05	4.58986E-05	7.85066E-05	5.81192E-05	6.04769E-05	8.21359E-06	4.58986E-05	8.30137E-05
3627	5.94089E-05	6.21432E-05	1.18437E-05	4.73118E-05	8.34147E-05	5.88057E-05	6.12076E-05	7.96694E-06	4.73118E-05	8.81399E-05
3628	6.22955E-05	6.51541E-05	1.25677E-05	5.09884E-05	9.04382E-05	6.21024E-05	6.46511E-05	8.15653E-06	5.09884E-05	9.54951E-05
3629	6.73995E-05	7.0482E-05	1.37772E-05	5.56096E-05	9.81809E-05	6.72957E-05	7.00535E-05	8.92198E-06	5.56096E-05	0.000103618
3630	7.2832E-05	7.61594E-05	1.49494E-05	5.90344E-05	0.000104796	7.23372E-05	7.52806E-05	1.00376E-05	5.90344E-05	0.000109927
3631	7.43282E-05	7.76999E-05	1.56759E-05	5.95109E-05	0.000201552	7.34819E-05	7.64214E-05	1.12638E-05	5.95109E-05	0.000200706
3632	7.23821E-05	7.56402E-05	1.57043E-05	5.84643E-05	0.000203817	7.16442E-05	7.44787E-05	1.16492E-05	5.84643E-05	0.000202468
3633	7.29562E-05	7.62365E-05	1.58932E-05	5.86571E-05	0.000205782	7.20964E-05	7.49425E-05	1.18556E-05	5.86571E-05	0.000204555
3634	7.40864E-05	7.74157E-05	1.61707E-05	5.90035E-05	0.000206293	7.30059E-05	7.58784E-05	1.22046E-05	5.90035E-05	0.000205108
3635	7.50186E-05	7.83947E-05	1.62886E-05	5.86345E-05	0.000206444	7.35628E-05	7.64439E-05	1.25821E-05	5.86345E-05	0.00020528
3636	7.44709E-05	7.78229E-05	1.61609E-05	5.86173E-05	0.000192006	7.31727E-05	7.60449E-05	1.23793E-05	5.86173E-05	0.000191939
3637	7.56025E-05	7.90034E-05	1.6441E-05	6.00186E-05	0.000190368	7.44523E-05	7.7381E-05	1.24611E-05	6.00186E-05	0.000190228
3638	7.735E-05	8.08317E-05	1.67837E-05	6.23391E-05	0.000184943	7.65127E-05	7.95377E-05	1.2485E-05	6.23391E-05	0.000184545
3639	8.29474E-05	8.66844E-05	1.79397E-05	6.76854E-05	0.000192412	8.23616E-05	8.56322E-05	1.31344E-05	6.76854E-05	0.000190593

3640	8.7516E-05	9.14605E-05	1.88984E-05	7.13437E-05	0.000185398	8.68831E-05	9.03333E-05	1.38551E-05	7.13437E-05	0.000183226
3641	9.01128E-05	9.41741E-05	1.94616E-05	7.31004E-05	0.000180328	8.9334E-05	9.28761E-05	1.43598E-05	7.31004E-05	0.000177887
3642	9.69016E-05	0.00010126	2.10785E-05	7.63952E-05	0.000177559	9.52389E-05	9.89773E-05	1.61115E-05	7.63952E-05	0.000174954
3643	0.000106329	0.000111098	2.33593E-05	7.96844E-05	0.000146358	0.000102976	0.000106948	1.88969E-05	7.96844E-05	0.00014579
3644	0.000108801	0.000113673	2.40347E-05	7.92421E-05	0.000115651	0.000104522	0.000108514	2.00142E-05	7.92421E-05	0.0001178
3645	0.000107665	0.000112512	2.33499E-05	7.60554E-05	9.72632E-05	0.000102694	0.00010662	1.95865E-05	7.60554E-05	0.000100299
3646	0.000100081	0.000104617	2.11889E-05	6.93675E-05	7.97064E-05	9.51071E-05	9.87674E-05	1.76315E-05	6.93675E-05	8.43182E-05
3647	8.67091E-05	9.06466E-05	1.82124E-05	6.08746E-05	7.70741E-05	8.2705E-05	8.59114E-05	1.48379E-05	6.08746E-05	8.15502E-05
3648	7.4191E-05	7.7577E-05	1.52875E-05	5.36198E-05	7.56546E-05	7.13846E-05	7.41927E-05	1.19484E-05	5.36198E-05	8.00521E-05
3649	0.000114265	0.00010651	0.00024917	0.000136008	8.3558E-05	0.000112469	0.00010538	0.000262524	0.000136008	8.85045E-05
3650	0.00010695	9.94962E-05	0.000236619	0.000129166	8.54856E-05	0.000105726	9.89505E-05	0.000249142	0.000129166	9.05136E-05
3651	0.000101886	9.47749E-05	0.000225591	0.000123409	9.05797E-05	0.000100874	9.44206E-05	0.000237478	0.000123409	9.58389E-05
3652	0.000101408	9.43524E-05	0.000224152	0.000122916	9.80299E-05	0.000100488	9.40887E-05	0.000235949	0.000122916	0.00010363
3653	0.000109721	0.00010207	0.000242812	0.000133007	0.00010589	0.00010868	0.000101737	0.000255632	0.000133007	0.00011186
3654	0.000121634	0.000113172	0.000268829	0.000147018	0.000110799	0.000120299	0.000112608	0.000283109	0.000147018	0.000116402
3655	0.000132984	0.0001235	0.00029796	0.000162573	0.000205627	0.000131744	0.000123136	0.000313954	0.000162573	0.000205159
3656	0.000134525	0.000124736	0.000304816	0.000166445	0.000207829	0.000133658	0.000124794	0.000321281	0.000166445	0.000206866
3657	0.00013724	0.00012735	0.000309282	0.000169103	0.000209851	0.000136239	0.000127272	0.000326033	0.000169103	0.000209015
3658	0.000146818	0.00013618	0.000331882	0.000181052	0.00021112	0.000145691	0.000136045	0.000349854	0.000181052	0.000210363
3659	0.000161009	0.000149166	0.000367021	0.000199535	0.000213322	0.00015985	0.000149126	0.000386842	0.000199535	0.000212686
3660	0.000178435	0.000164937	0.000413249	0.000223892	0.000199266	0.000177626	0.000165448	0.000435391	0.000223892	0.000199744
3661	0.00018552	0.000171385	0.000431415	0.000233574	0.000198801	0.000184829	0.000172089	0.00045448	0.000233574	0.000199249
3662	0.000186962	0.000172618	0.000436494	0.0002364	0.00019426	0.00018652	0.000173611	0.00045976	0.0002364	0.0001945
3663	0.000185692	0.000171514	0.000432334	0.000234693	0.000201639	0.000185353	0.000172595	0.000455374	0.000234693	0.000200431
3664	0.000201219	0.00018572	0.000470851	0.000255112	0.00019423	0.000200927	0.000186991	0.0004959	0.000255112	0.000192653
3665	0.000210465	0.000194235	0.000492796	0.000266781	0.000189489	0.000210097	0.000195502	0.00051902	0.000266781	0.000187662
3666	0.000207072	0.000191785	0.000473003	0.000257056	0.000187011	0.000205662	0.000191826	0.000498519	0.000257056	0.000185036
3667	0.000202299	0.000188478	0.000442716	0.000241892	0.00015564	0.000199039	0.00018637	0.000467208	0.000241892	0.000155686
3668	0.000193659	0.000181141	0.000411432	0.000225769	0.000124146	0.000189387	0.000177802	0.00043459	0.000225769	0.000126872
3669	0.000186513	0.000174953	0.000387617	0.000212851	0.000105263	0.000181453	0.000170677	0.00040953	0.000212851	0.000108859
3670	0.000169211	0.000159095	0.000345172	0.00018987	8.71384E-05	0.000164045	0.000154567	0.000364659	0.00018987	9.22893E-05
3671	0.000148572	0.000139516	0.00030612	0.000168061	8.40567E-05	0.000144312	0.000135858	0.00032325	0.000168061	8.90553E-05
3672	0.000133334	0.000124756	0.000282553	0.000154765	8.11957E-05	0.00013039	0.000122469	0.000298034	0.000154765	8.604E-05
3673	0.000114265	0.00010651	0.00024917	0.000136008	8.3558E-05	0.000112469	0.00010538	0.000262524	0.000136008	8.85045E-05
3674	0.00010695	9.94962E-05	0.000236619	0.000129166	8.54856E-05	0.000105726	9.89505E-05	0.000249142	0.000129166	9.05136E-05
3675	0.000101886	9.47749E-05	0.000225591	0.000123409	9.05797E-05	0.000100874	9.44206E-05	0.000237478	0.000123409	9.58389E-05
3676	0.000101408	9.43524E-05	0.000224152	0.000122916	9.80299E-05	0.000100488	9.40887E-05	0.000235949	0.000122916	0.00010363
3677	0.000109721	0.00010207	0.000242812	0.000133007	0.00010589	0.00010868	0.000101737	0.000255632	0.000133007	0.00011186
3678	0.000121634	0.000113172	0.000268829	0.000147018	0.000110799	0.000120299	0.000112608	0.000283109	0.000147018	0.000116402
3679	0.000132984	0.0001235	0.00029796	0.000162573	0.000205627	0.000131744	0.000123136	0.000313954	0.000162573	0.000205159
3680	0.000134525	0.000124736	0.000304816	0.000166445	0.000207829	0.000133658	0.000124794	0.000321281	0.000166445	0.000206866
3681	0.00013724	0.00012735	0.000309282	0.000169103	0.000209851	0.000136239	0.000127272	0.000326033	0.000169103	0.000209015
3682	0.000146818	0.00013618	0.000331882	0.000181052	0.00021112	0.000145691	0.000136045	0.000349854	0.000181052	0.000210363
3683	0.000161009	0.000149166	0.000367021	0.000199535	0.000213322	0.00015985	0.000149126	0.000386842	0.000199535	0.000212686
3684	0.000178435	0.000164937	0.000413249	0.000223892	0.000199266	0.000177626	0.000165448	0.000435391	0.000223892	0.000199744
3685	0.00018552	0.000171385	0.000431415	0.000233574	0.000198801	0.000184829	0.000172089	0.00045448	0.000233574	0.000199249
3686	0.000186962	0.000172618	0.000436494	0.0002364	0.00019426	0.00018652	0.000173611	0.00045976	0.0002364	0.0001945
3687	0.000185692	0.000171514	0.000432334	0.000234693	0.000201639	0.000185353	0.000172595	0.000455374	0.000234693	0.000200431
3688	0.000201219	0.00018572	0.000470851	0.000255112	0.00019423	0.000200927	0.000186991	0.0004959	0.000255112	0.000192653
3689	0.000210465	0.000194235	0.000492796	0.000266781	0.000189489	0.000210097	0.000195502	0.00051902	0.000266781	0.000187662
3690	0.000207072	0.000191785	0.000473003	0.000257056	0.000187011	0.000205662	0.000191826	0.000498519	0.000257056	0.000185036
3691	0.000202299	0.000188478	0.000442716	0.000241892	0.00015564	0.000199039	0.00018637	0.000467208	0.000241892	0.000155686
3692	0.000193659	0.000181141	0.000411432	0.000225769	0.000124146	0.000189387	0.000177802	0.00043459	0.000225769	0.000126872
3693	0.000186513	0.000174953	0.000387617	0.000212851	0.000105263	0.000181453	0.000170677	0.00040953	0.000212851	0.000108859
3694	0.000169211	0.000159095	0.000345172	0.00018987	8.71384E-05	0.000164045	0.000154567	0.000364659	0.00018987	9.22893E-05
3695	0.000148572	0.000139516	0.00030612	0.000168061	8.40567E-05	0.000144312	0.000135858	0.00032325	0.000168061	8.90553E-05
3696	0.000133334	0.000124756	0.000282553	0.000154765	8.11957E-05	0.00013039	0.000122469	0.000298034	0.000154765	8.604E-05
3697	0.000114265	0.00010651	0.00024917	0.000136008	8.3558E-05	0.000112469	0.00010538	0.000262524	0.000136008	8.85045E-05
3698	0.00010695	9.94962E-05	0.000236619	0.000129166	8.54856E-05	0.000105726	9.89505E-05	0.000249142	0.000129166	9.05136E-05
3699	0.000101886	9.47749E-05	0.000225591	0.000123409	9.05797E-05	0.000100874	9.44206E-05	0.000237478	0.000123409	9.58389E-05
3700	0.000101408	9.43524E-05	0.000224152	0.000122916	9.80299E-05	0.000100488	9.40887E-05	0.000235949	0.000122916	0.00010363
3701	0.000109721	0.00010207	0.000242812	0.000133007	0.00010589	0.00010868	0.000101737	0.000255632	0.000133007	0.00011186
3702	0.000121634	0.000113172	0.000268829	0.000147018	0.000110799	0.000120299	0.000112608	0.000283109	0.000147018	0.000116402
3703	0.000132984	0.0001235	0.00029796	0.000162573	0.000205627	0.000131744	0.000123136	0.000313954	0.000162573	0.000205159
3704	0.000134525	0.000124736	0.000304816	0.000166445	0.000207829	0.000133658	0.000124794	0.000321281	0.000166445	0.000206866
3705	0.00013724	0.00012735	0.000309282	0.000169103	0.000209851	0.000136239	0.000127272	0.000326033	0.000169103	0.000209015
3706	0.000146818	0.00013618	0.000331882	0.000181052	0.00021112	0.000145691	0.000136045	0.000349854	0.000181052	0.000210363
3707	0.000161009	0.000149166	0.000367021	0.000199535	0.000213322	0.00015985	0.000149126	0.000386842	0.000199535	0.000212686
3708	0.000178435	0.000164937	0.000413249	0.000223892	0.000199266	0.000177626	0.000165448	0.000435391	0.000223892	0.000199744
3709	0.00018552	0.000171385	0.000431415	0.000233574	0.000198801	0.000184829	0.000172089	0.00045448	0.000233574	0.000199249
3710	0.000186962	0.000172618	0.000436494	0.0002364	0.00019426	0.00018652	0.000173611	0.00045976	0.0002364	0.0001945
3711	0.000185692	0.000171514	0.000432334	0.000234693	0.000201639	0.000185353	0.000172595	0.000455374	0.000234693	0.000200431
3712	0.000201219	0.00018572	0.000470851	0.000255112	0.00019423	0.000200927	0.000186991	0.0004959	0.000255112	0.000192653
3713	0.000210465	0.000194235	0.000492796	0.000266781	0.000189489	0.000210097	0.000195502	0.00051902	0.000266781	0.000187662
3714	0.000207072	0.000191785	0.000473003	0.000257056	0.000187011	0.000205662	0.000191826	0.000498519	0.000257056	0.000185036
3715	0.000202299	0.000188478	0.000442716	0.000241892	0.00015564	0.000199039	0.00018637	0.000467208	0.000241892	0.000155686

3716	0.000193659	0.000181141	0.000411432	0.000225769	0.000124146	0.000189387	0.000177802	0.00043459	0.000225769	0.000126872
3717	0.000186513	0.000174953	0.000387617	0.000212851	0.000105263	0.000181453	0.000170677	0.00040953	0.000212851	0.000108859
3718	0.000169211	0.000159095	0.000345172	0.00018987	8.71384E-05	0.000164045	0.000154567	0.000364659	0.00018987	9.22893E-05
3719	0.000148572	0.000139516	0.00030612	0.000168061	8.40567E-05	0.000144312	0.000135858	0.00032325	0.000168061	8.90553E-05
3720	0.000133334	0.000124756	0.000282553	0.000154765	8.11957E-05	0.00013039	0.000122469	0.000298034	0.000154765	8.604E-05
3721	0.000114474	0.000106696	0.000249778	0.000136306	8.35427E-05	0.000112678	0.000105568	0.000263164	0.000136306	8.84893E-05
3722	0.000107042	9.95769E-05	0.000236907	0.000129302	8.54345E-05	0.000105818	9.9032E-05	0.000249445	0.000129302	9.04615E-05
3723	0.000101953	9.48344E-05	0.000225792	0.000123507	9.04833E-05	0.000100942	9.4481E-05	0.00023769	0.000123507	9.57398E-05
3724	0.000101372	9.43171E-05	0.000224092	0.000122873	9.79602E-05	0.00010045	9.40517E-05	0.000235886	0.000122873	0.000103558
3725	0.000109587	0.000101947	0.000242503	0.000132833	0.000105767	0.000108544	0.00010161	0.000255308	0.000132833	0.000111733
3726	0.000121225	0.000112802	0.000267736	0.000146454	0.000110652	0.000119886	0.000112229	0.000281961	0.000146454	0.000116252
3727	0.000134458	0.00012507	0.000297763	0.00016259	0.000205534	0.000132871	0.000124326	0.000313735	0.00016259	0.000205067
3728	0.000134416	0.000124638	0.000304521	0.000166294	0.000207742	0.000133548	0.000124693	0.000320971	0.000166294	0.000206783
3729	0.000137313	0.000127414	0.000309515	0.000169211	0.000209803	0.000136312	0.000127337	0.000326277	0.000169211	0.000208972
3730	0.000147803	0.000137073	0.000334471	0.000182401	0.000211133	0.000146686	0.000136959	0.000352575	0.000182401	0.000210385
3731	0.000162621	0.000150631	0.000371187	0.00020173	0.000213477	0.000161481	0.000150627	0.000391221	0.00020173	0.000212856
3732	0.000180232	0.000166576	0.000417786	0.000226316	0.000199425	0.000179447	0.00016713	0.00044016	0.000226316	0.000199919
3733	0.000187191	0.000172911	0.000435596	0.00023582	0.00019891	0.000186523	0.000173656	0.000458875	0.00023582	0.000199371
3734	0.000189937	0.000175331	0.000444027	0.000240418	0.00019432	0.000189534	0.000176393	0.000467678	0.000240418	0.000194571
3735	0.000188644	0.000174208	0.000439778	0.000238674	0.000201648	0.000188344	0.000175359	0.000463198	0.000238674	0.00020045
3736	0.000204455	0.000188674	0.000478986	0.000259471	0.000194416	0.000204207	0.000190023	0.000504452	0.000259471	0.000192856
3737	0.000214425	0.000197845	0.000502861	0.000272138	0.000189682	0.000214108	0.000199203	0.000529601	0.000272138	0.000187873
3738	0.000210818	0.000195199	0.000482536	0.000262126	0.000187268	0.000209457	0.000195327	0.000508539	0.000262126	0.000185312
3739	0.00020557	0.000191457	0.000451073	0.000246326	0.000155864	0.000202352	0.000189424	0.000475993	0.000246326	0.000155927
3740	0.000196435	0.000183669	0.000418519	0.000229531	0.000124352	0.000192198	0.000180394	0.00044204	0.000229531	0.000127095
3741	0.000187363	0.0001755	0.000393731	0.000215979	0.000105384	0.000182679	0.000171658	0.000415969	0.000215979	0.000108991
3742	0.000171002	0.000160725	0.00034978	0.000192304	8.72669E-05	0.000165857	0.000156236	0.000369503	0.000192304	9.24291E-05
3743	0.000150279	0.000141065	0.000310563	0.000170391	8.4143E-05	0.000146037	0.000137444	0.00032792	0.000170391	8.91516E-05
3744	0.000134698	0.000126004	0.000285944	0.000156595	8.13318E-05	0.000131774	0.000123751	0.000301599	0.000156595	8.61872E-05
3745	0.000114474	0.000106696	0.000249778	0.000136306	8.35427E-05	0.000112678	0.000105568	0.000263164	0.000136306	8.84893E-05
3746	0.000107042	9.95769E-05	0.000236907	0.000129302	8.54345E-05	0.000105818	9.9032E-05	0.000249445	0.000129302	9.04615E-05
3747	0.000101953	9.48344E-05	0.000225792	0.000123507	9.04833E-05	0.000100942	9.4481E-05	0.00023769	0.000123507	9.57398E-05
3748	0.000101372	9.43171E-05	0.000224092	0.000122873	9.79602E-05	0.00010045	9.40517E-05	0.000235886	0.000122873	0.000103558
3749	0.000109587	0.000101947	0.000242503	0.000132833	0.000105767	0.000108544	0.00010161	0.000255308	0.000132833	0.000111733
3750	0.000121225	0.000112802	0.000267736	0.000146454	0.000110652	0.000119886	0.000112229	0.000281961	0.000146454	0.000116252
3751	0.000134458	0.00012507	0.000297763	0.00016259	0.000205534	0.000132871	0.000124326	0.000313735	0.00016259	0.000205067
3752	0.000134416	0.000124638	0.000304521	0.000166294	0.000207742	0.000133548	0.000124693	0.000320971	0.000166294	0.000206783
3753	0.000137313	0.000127414	0.000309515	0.000169211	0.000209803	0.000136312	0.000127337	0.000326277	0.000169211	0.000208972
3754	0.000147803	0.000137073	0.000334471	0.000182401	0.000211133	0.000146686	0.000136959	0.000352575	0.000182401	0.000210385
3755	0.000162621	0.000150631	0.000371187	0.00020173	0.000213477	0.000161481	0.000150627	0.000391221	0.00020173	0.000212856
3756	0.000180232	0.000166576	0.000417786	0.000226316	0.000199425	0.000179447	0.00016713	0.00044016	0.000226316	0.000199919
3757	0.000187191	0.000172911	0.000435596	0.00023582	0.00019891	0.000186523	0.000173656	0.000458875	0.00023582	0.000199371
3758	0.000189937	0.000175331	0.000444027	0.000240418	0.00019432	0.000189534	0.000176393	0.000467678	0.000240418	0.000194571
3759	0.000188644	0.000174208	0.000439778	0.000238674	0.000201648	0.000188344	0.000175359	0.000463198	0.000238674	0.00020045
3760	0.000204455	0.000188674	0.000478986	0.000259471	0.000194416	0.000204207	0.000190023	0.000504452	0.000259471	0.000192856
3761	0.000214425	0.000197845	0.000502861	0.000272138	0.000189682	0.000214108	0.000199203	0.000529601	0.000272138	0.000187873
3762	0.000210818	0.000195199	0.000482536	0.000262126	0.000187268	0.000209457	0.000195327	0.000508539	0.000262126	0.000185312
3763	0.00020557	0.000191457	0.000451073	0.000246326	0.000155864	0.000202352	0.000189424	0.000475993	0.000246326	0.000155927
3764	0.000196435	0.000183669	0.000418519	0.000229531	0.000124352	0.000192198	0.000180394	0.00044204	0.000229531	0.000127095
3765	0.000187363	0.0001755	0.000393731	0.000215979	0.000105384	0.000182679	0.000171658	0.000415969	0.000215979	0.000108991
3766	0.000171002	0.000160725	0.00034978	0.000192304	8.72669E-05	0.000165857	0.000156236	0.000369503	0.000192304	9.24291E-05
3767	0.000150279	0.000141065	0.000310563	0.000170391	8.4143E-05	0.000146037	0.000137444	0.00032792	0.000170391	8.91516E-05
3768	0.000134698	0.000126004	0.000285944	0.000156595	8.13318E-05	0.000131774	0.000123751	0.000301599	0.000156595	8.61872E-05
3769	0.000114265	0.00010651	0.00024917	0.000136008	8.3558E-05	0.000112469	0.00010538	0.000262524	0.000136008	8.85045E-05
3770	0.00010695	9.94962E-05	0.000236619	0.000129166	8.54856E-05	0.000105726	9.89505E-05	0.000249142	0.000129166	9.05136E-05
3771	0.000101886	9.47749E-05	0.000225591	0.000123409	9.05797E-05	0.000100874	9.44206E-05	0.000237478	0.000123409	9.58389E-05
3772	0.000101408	9.43524E-05	0.000224152	0.000122916	9.80299E-05	0.000100488	9.40887E-05	0.000235949	0.000122916	0.00010363
3773	0.000109721	0.00010207	0.000242812	0.000133007	0.00010589	0.00010868	0.000101737	0.000255632	0.000133007	0.00011186
3774	0.000121634	0.000113172	0.000268829	0.000147018	0.000110799	0.000120299	0.000112608	0.000283109	0.000147018	0.000116402
3775	0.000132984	0.0001235	0.00029796	0.000162573	0.000205627	0.000131744	0.000123136	0.000313954	0.000162573	0.000205159
3776	0.000134525	0.000124736	0.000304816	0.000166445	0.000207829	0.000133658	0.000124794	0.000321281	0.000166445	0.000206866
3777	0.00013724	0.00012735	0.000309282	0.000169103	0.000209851	0.000136239	0.000127272	0.000326033	0.000169103	0.000209015
3778	0.000146818	0.00013618	0.000331882	0.000181052	0.00021112	0.000145691	0.000136045	0.000349854	0.000181052	0.000210363
3779	0.000161009	0.000149166	0.000367021	0.000199535	0.000213322	0.00015985	0.000149126	0.000386842	0.000199535	0.000212686
3780	0.000178435	0.000164937	0.000413249	0.000223892	0.000199266	0.000177626	0.000165448	0.000435391	0.000223892	0.000199744
3781	0.00018552	0.000171385	0.000431415	0.000233574	0.000198801	0.000184829	0.000172089	0.00045448	0.000233574	0.000199249
3782	0.000186962	0.000172618	0.000436494	0.0002364	0.00019426	0.00018652	0.000173611	0.00045976	0.0002364	0.0001945
3783	0.000185692	0.000171514	0.000432334	0.000234693	0.000201639	0.000185353	0.000172595	0.000455374	0.000234693	0.000200431
3784	0.000201219	0.00018572	0.000470851	0.000255112	0.00019423	0.000200927	0.000186991	0.0004959	0.000255112	0.000192653
3785	0.000210465	0.000194235	0.000492796	0.000266781	0.000189489	0.000210097	0.000195502	0.00051902	0.000266781	0.000187662
3786	0.000207072	0.000191785	0.000473003	0.000257056	0.000187011	0.000205662	0.000191826	0.000498519	0.000257056	0.000185036
3787	0.000202299	0.000188478	0.000442716	0.000241892	0.00015564	0.000199039	0.00018637	0.000467208	0.000241892	0.000155686
3788	0.000193659	0.000181141	0.000411432	0.000225769	0.000124146	0.000189387	0.000177802	0.00043459	0.000225769	0.000126872
3789	0.000186513	0.000174953	0.000387617	0.000212851	0.000105263	0.000181453	0.000170677	0.00040953	0.000212851	0.000108859
3790	0.000169211	0.000159095	0.000345172	0.00018987	8.71384E-05	0.000164045	0.000154567	0.000364659	0.00018987	9.22893E-05
3791	0.000148572	0.000139516	0.00030612	0.000168061	8.40567E-05	0.000144312	0.000135858	0.00032325	0.000168061	8.90553E-05

3792	0.000133334	0.000124756	0.000282553	0.000154765	8.11957E-05	0.00013039	0.000122469	0.000298034	0.000154765	8.604E-05
3793	0.000114265	0.00010651	0.00024917	0.000136008	8.3558E-05	0.000112469	0.00010538	0.000262524	0.000136008	8.85045E-05
3794	0.00010695	9.94962E-05	0.000236619	0.000129166	8.54856E-05	0.000105726	9.89505E-05	0.000249142	0.000129166	9.05136E-05
3795	0.000101886	9.47749E-05	0.000225591	0.000123409	9.05797E-05	0.000100874	9.44206E-05	0.000237478	0.000123409	9.58389E-05
3796	0.000101408	9.43524E-05	0.000224152	0.000122916	9.80299E-05	0.000100488	9.40887E-05	0.000235949	0.000122916	0.00010363
3797	0.000109721	0.00010207	0.000242812	0.000133007	0.00010589	0.00010868	0.000101737	0.000255632	0.000133007	0.00011186
3798	0.000121634	0.000113172	0.000268829	0.000147018	0.000110799	0.000120299	0.000112608	0.000283109	0.000147018	0.000116402
3799	0.000132984	0.0001235	0.00029796	0.000162573	0.000205627	0.000131744	0.000123136	0.000313954	0.000162573	0.000205159
3800	0.000134525	0.000124736	0.000304816	0.000166445	0.000207829	0.000133658	0.000124794	0.000321281	0.000166445	0.000206866
3801	0.00013724	0.00012735	0.000309282	0.000169103	0.000209851	0.000136239	0.000127272	0.000326033	0.000169103	0.000209015
3802	0.000146818	0.00013618	0.000331882	0.000181052	0.00021112	0.000145691	0.000136045	0.000349854	0.000181052	0.000210363
3803	0.000161009	0.000149166	0.000367021	0.000199535	0.000213322	0.00015985	0.000149126	0.000386842	0.000199535	0.000212686
3804	0.000178435	0.000164937	0.000413249	0.000223892	0.000199266	0.000177626	0.000165448	0.000435391	0.000223892	0.000199744
3805	0.00018552	0.000171385	0.000431415	0.000233574	0.000198801	0.000184829	0.000172089	0.00045448	0.000233574	0.000199249
3806	0.000186962	0.000172618	0.000436494	0.0002364	0.00019426	0.00018652	0.000173611	0.00045976	0.0002364	0.0001945
3807	0.000185692	0.000171514	0.000432334	0.000234693	0.000201639	0.000185353	0.000172595	0.000455374	0.000234693	0.000200431
3808	0.000201219	0.00018572	0.000470851	0.000255112	0.00019423	0.000200927	0.000186991	0.0004959	0.000255112	0.000192653
3809	0.000210465	0.000194235	0.000492796	0.000266781	0.000189489	0.000210097	0.000195502	0.00051902	0.000266781	0.000187662
3810	0.000207072	0.000191785	0.000473003	0.000257056	0.000187011	0.000205662	0.000191826	0.000498519	0.000257056	0.000185036
3811	0.000202299	0.000188478	0.000442716	0.000241892	0.00015564	0.000199039	0.00018637	0.000467208	0.000241892	0.000155686
3812	0.000193659	0.000181141	0.000411432	0.000225769	0.000124146	0.000189387	0.000177802	0.00043459	0.000225769	0.000126872
3813	0.000186513	0.000174953	0.000387617	0.000212851	0.000105263	0.000181453	0.000170677	0.00040953	0.000212851	0.000108859
3814	0.000169211	0.000159095	0.000345172	0.00018987	8.71384E-05	0.000164045	0.000154567	0.000364659	0.00018987	9.22893E-05
3815	0.000148572	0.000139516	0.00030612	0.000168061	8.40567E-05	0.000144312	0.000135858	0.00032325	0.000168061	8.90553E-05
3816	0.000133334	0.000124756	0.000282553	0.000154765	8.11957E-05	0.00013039	0.000122469	0.000298034	0.000154765	8.604E-05
3817	0.000114265	0.00010651	0.00024917	0.000136008	8.3558E-05	0.000112469	0.00010538	0.000262524	0.000136008	8.85045E-05
3818	0.00010695	9.94962E-05	0.000236619	0.000129166	8.54856E-05	0.000105726	9.89505E-05	0.000249142	0.000129166	9.05136E-05
3819	0.000101886	9.47749E-05	0.000225591	0.000123409	9.05797E-05	0.000100874	9.44206E-05	0.000237478	0.000123409	9.58389E-05
3820	0.000101408	9.43524E-05	0.000224152	0.000122916	9.80299E-05	0.000100488	9.40887E-05	0.000235949	0.000122916	0.00010363
3821	0.000109721	0.00010207	0.000242812	0.000133007	0.00010589	0.00010868	0.000101737	0.000255632	0.000133007	0.00011186
3822	0.000121634	0.000113172	0.000268829	0.000147018	0.000110799	0.000120299	0.000112608	0.000283109	0.000147018	0.000116402
3823	0.000132984	0.0001235	0.00029796	0.000162573	0.000205627	0.000131744	0.000123136	0.000313954	0.000162573	0.000205159
3824	0.000134525	0.000124736	0.000304816	0.000166445	0.000207829	0.000133658	0.000124794	0.000321281	0.000166445	0.000206866
3825	0.00013724	0.00012735	0.000309282	0.000169103	0.000209851	0.000136239	0.000127272	0.000326033	0.000169103	0.000209015
3826	0.000146818	0.00013618	0.000331882	0.000181052	0.00021112	0.000145691	0.000136045	0.000349854	0.000181052	0.000210363
3827	0.000161009	0.000149166	0.000367021	0.000199535	0.000213322	0.00015985	0.000149126	0.000386842	0.000199535	0.000212686
3828	0.000178435	0.000164937	0.000413249	0.000223892	0.000199266	0.000177626	0.000165448	0.000435391	0.000223892	0.000199744
3829	0.00018552	0.000171385	0.000431415	0.000233574	0.000198801	0.000184829	0.000172089	0.00045448	0.000233574	0.000199249
3830	0.000186962	0.000172618	0.000436494	0.0002364	0.00019426	0.00018652	0.000173611	0.00045976	0.0002364	0.0001945
3831	0.000185692	0.000171514	0.000432334	0.000234693	0.000201639	0.000185353	0.000172595	0.000455374	0.000234693	0.000200431
3832	0.000201219	0.00018572	0.000470851	0.000255112	0.00019423	0.000200927	0.000186991	0.0004959	0.000255112	0.000192653
3833	0.000210465	0.000194235	0.000492796	0.000266781	0.000189489	0.000210097	0.000195502	0.00051902	0.000266781	0.000187662
3834	0.000207072	0.000191785	0.000473003	0.000257056	0.000187011	0.000205662	0.000191826	0.000498519	0.000257056	0.000185036
3835	0.000202299	0.000188478	0.000442716	0.000241892	0.00015564	0.000199039	0.00018637	0.000467208	0.000241892	0.000155686
3836	0.000193659	0.000181141	0.000411432	0.000225769	0.000124146	0.000189387	0.000177802	0.00043459	0.000225769	0.000126872
3837	0.000186513	0.000174953	0.000387617	0.000212851	0.000105263	0.000181453	0.000170677	0.00040953	0.000212851	0.000108859
3838	0.000169211	0.000159095	0.000345172	0.00018987	8.71384E-05	0.000164045	0.000154567	0.000364659	0.00018987	9.22893E-05
3839	0.000148572	0.000139516	0.00030612	0.000168061	8.40567E-05	0.000144312	0.000135858	0.00032325	0.000168061	8.90553E-05
3840	0.000133334	0.000124756	0.000282553	0.000154765	8.11957E-05	0.00013039	0.000122469	0.000298034	0.000154765	8.604E-05
3841	0.000114265	0.00010651	0.00024917	0.000136008	8.3558E-05	0.000112469	0.00010538	0.000262524	0.000136008	8.85045E-05
3842	0.00010695	9.94962E-05	0.000236619	0.000129166	8.54856E-05	0.000105726	9.89505E-05	0.000249142	0.000129166	9.05136E-05
3843	0.000101886	9.47749E-05	0.000225591	0.000123409	9.05797E-05	0.000100874	9.44206E-05	0.000237478	0.000123409	9.58389E-05
3844	0.000101408	9.43524E-05	0.000224152	0.000122916	9.80299E-05	0.000100488	9.40887E-05	0.000235949	0.000122916	0.00010363
3845	0.000109721	0.00010207	0.000242812	0.000133007	0.00010589	0.00010868	0.000101737	0.000255632	0.000133007	0.00011186
3846	0.000121634	0.000113172	0.000268829	0.000147018	0.000110799	0.000120299	0.000112608	0.000283109	0.000147018	0.000116402
3847	0.000132984	0.0001235	0.00029796	0.000162573	0.000205627	0.000131744	0.000123136	0.000313954	0.000162573	0.000205159
3848	0.000134525	0.000124736	0.000304816	0.000166445	0.000207829	0.000133658	0.000124794	0.000321281	0.000166445	0.000206866
3849	0.00013724	0.00012735	0.000309282	0.000169103	0.000209851	0.000136239	0.000127272	0.000326033	0.000169103	0.000209015
3850	0.000146818	0.00013618	0.000331882	0.000181052	0.00021112	0.000145691	0.000136045	0.000349854	0.000181052	0.000210363
3851	0.000161009	0.000149166	0.000367021	0.000199535	0.000213322	0.00015985	0.000149126	0.000386842	0.000199535	0.000212686
3852	0.000178435	0.000164937	0.000413249	0.000223892	0.000199266	0.000177626	0.000165448	0.000435391	0.000223892	0.000199744
3853	0.00018552	0.000171385	0.000431415	0.000233574	0.000198801	0.000184829	0.000172089	0.00045448	0.000233574	0.000199249
3854	0.000186962	0.000172618	0.000436494	0.0002364	0.00019426	0.00018652	0.000173611	0.00045976	0.0002364	0.0001945
3855	0.000185692	0.000171514	0.000432334	0.000234693	0.000201639	0.000185353	0.000172595	0.000455374	0.000234693	0.000200431
3856	0.000201219	0.00018572	0.000470851	0.000255112	0.00019423	0.000200927	0.000186991	0.0004959	0.000255112	0.000192653
3857	0.000210465	0.000194235	0.000492796	0.000266781	0.000189489	0.000210097	0.000195502	0.00051902	0.000266781	0.000187662
3858	0.000207072	0.000191785	0.000473003	0.000257056	0.000187011	0.000205662	0.000191826	0.000498519	0.000257056	0.000185036
3859	0.000202299	0.000188478	0.000442716	0.000241892	0.00015564	0.000199039	0.00018637	0.000467208	0.000241892	0.000155686
3860	0.000193659	0.000181141	0.000411432	0.000225769	0.000124146	0.000189387	0.000177802	0.00043459	0.000225769	0.000126872
3861	0.000186513	0.000174953	0.000387617	0.000212851	0.000105263	0.000181453	0.000170677	0.00040953	0.000212851	0.000108859
3862	0.000169211	0.000159095	0.000345172	0.00018987	8.71384E-05	0.000164045	0.000154567	0.000364659	0.00018987	9.22893E-05
3863	0.000148572	0.000139516	0.00030612	0.000168061	8.40567E-05	0.000144312	0.000135858	0.00032325	0.000168061	8.90553E-05
3864	0.000133334	0.000124756	0.000282553	0.000154765	8.11957E-05	0.00013039	0.000122469	0.000298034	0.000154765	8.604E-05
3865	0.000114265	0.00010651	0.00024917	0.000136008	8.3558E-05	0.000112469	0.00010538	0.000262524	0.000136008	8.85045E-05
3866	0.00010695	9.94962E-05	0.000236619	0.000129166	8.54856E-05	0.000105726	9.89505E-05	0.000249142	0.000129166	9.05136E-05
3867	0.000101886	9.47749E-05	0.000225591	0.000123409	9.05797E-05	0.000100874	9.44206E-05	0.000237478	0.000123409	9.58389E-05

3868	0.000101408	9.43524E-05	0.000224152	0.000122916	9.80299E-05	0.000100488	9.40887E-05	0.000235949	0.000122916	0.00010363
3869	0.000109721	0.00010207	0.000242812	0.000133007	0.00010589	0.00010868	0.000101737	0.000255632	0.000133007	0.00011186
3870	0.000121634	0.000113172	0.000268829	0.000147018	0.000110799	0.000120299	0.000112608	0.000283109	0.000147018	0.000116402
3871	0.000132984	0.0001235	0.00029796	0.000162573	0.000205627	0.000131744	0.000123136	0.000313954	0.000162573	0.000205159
3872	0.000134525	0.000124736	0.000304816	0.000166445	0.000207829	0.000133658	0.000124794	0.000321281	0.000166445	0.000206866
3873	0.00013724	0.00012735	0.000309282	0.000169103	0.000209851	0.000136239	0.000127272	0.000326033	0.000169103	0.000209015
3874	0.000146818	0.00013618	0.000331882	0.000181052	0.00021112	0.000145691	0.000136045	0.000349854	0.000181052	0.000210363
3875	0.000161009	0.000149166	0.000367021	0.000199535	0.000213322	0.00015985	0.000149126	0.000386842	0.000199535	0.000212686
3876	0.000178435	0.000164937	0.000413249	0.000223892	0.000199266	0.000177626	0.000165448	0.000435391	0.000223892	0.000199744
3877	0.00018552	0.000171385	0.000431415	0.000233574	0.000198801	0.000184829	0.000172089	0.00045448	0.000233574	0.000199249
3878	0.000186962	0.000172618	0.000436494	0.0002364	0.00019426	0.00018652	0.000173611	0.00045976	0.0002364	0.0001945
3879	0.000185692	0.000171514	0.000432334	0.000234693	0.000201639	0.000185353	0.000172595	0.000455374	0.000234693	0.000200431
3880	0.000201219	0.00018572	0.000470851	0.000255112	0.00019423	0.000200927	0.000186991	0.0004959	0.000255112	0.000192653
3881	0.000210465	0.000194235	0.000492796	0.000266781	0.000189489	0.000210097	0.000195502	0.00051902	0.000266781	0.000187662
3882	0.000207072	0.000191785	0.000473003	0.000257056	0.000187011	0.000205662	0.000191826	0.000498519	0.000257056	0.000185036
3883	0.000202299	0.000188478	0.000442716	0.000241892	0.00015564	0.000199039	0.00018637	0.000467208	0.000241892	0.000155686
3884	0.000193659	0.000181141	0.000411432	0.000225769	0.000124146	0.000189387	0.000177802	0.00043459	0.000225769	0.000126872
3885	0.000186513	0.000174953	0.000387617	0.000212851	0.000105263	0.000181453	0.000170677	0.00040953	0.000212851	0.000108859
3886	0.000169211	0.000159095	0.000345172	0.00018987	8.71384E-05	0.000164045	0.000154567	0.000364659	0.00018987	9.22893E-05
3887	0.000148572	0.000139516	0.00030612	0.000168061	8.40567E-05	0.000144312	0.000135858	0.00032325	0.000168061	8.90553E-05
3888	0.000133334	0.000124756	0.000282553	0.000154765	8.11957E-05	0.00013039	0.000122469	0.000298034	0.000154765	8.604E-05
3889	0.000114474	0.000106696	0.000249778	0.000136306	8.35427E-05	0.000112678	0.000105568	0.000263164	0.000136306	8.84893E-05
3890	0.000107042	9.95769E-05	0.000236907	0.000129302	8.54345E-05	0.000105818	9.9032E-05	0.000249445	0.000129302	9.04615E-05
3891	0.000101953	9.48344E-05	0.000225792	0.000123507	9.04833E-05	0.000100942	9.4481E-05	0.00023769	0.000123507	9.57398E-05
3892	0.000101372	9.43171E-05	0.000224092	0.000122873	9.79602E-05	0.00010045	9.40517E-05	0.000235886	0.000122873	0.000103558
3893	0.000109587	0.000101947	0.000242503	0.000132833	0.000105767	0.000108544	0.00010161	0.000255308	0.000132833	0.000111733
3894	0.000121225	0.000112802	0.000267736	0.000146454	0.000110652	0.000119886	0.000112229	0.000281961	0.000146454	0.000116252
3895	0.000134458	0.00012507	0.000297763	0.00016259	0.000205534	0.000132871	0.000124326	0.000313735	0.00016259	0.000205067
3896	0.000134416	0.000124638	0.000304521	0.000166294	0.000207742	0.000133548	0.000124693	0.000320971	0.000166294	0.000206783
3897	0.000137313	0.000127414	0.000309515	0.000169211	0.000209803	0.000136312	0.000127337	0.000326277	0.000169211	0.000208972
3898	0.000147803	0.000137073	0.000334471	0.000182401	0.000211133	0.000146686	0.000136959	0.000352575	0.000182401	0.000210385
3899	0.000162621	0.000150631	0.000371187	0.00020173	0.000213477	0.000161481	0.000150627	0.000391221	0.00020173	0.000212856
3900	0.000180232	0.000166576	0.000417786	0.000226316	0.000199425	0.000179447	0.00016713	0.00044016	0.000226316	0.000199919
3901	0.000187191	0.000172911	0.000435596	0.00023582	0.00019891	0.000186523	0.000173656	0.000458875	0.00023582	0.000199371
3902	0.000189937	0.000175331	0.000444027	0.000240418	0.00019432	0.000189534	0.000176393	0.000467678	0.000240418	0.000194571
3903	0.000188644	0.000174208	0.000439778	0.000238674	0.000201648	0.000188344	0.000175359	0.000463198	0.000238674	0.00020045
3904	0.000204455	0.000188674	0.000478986	0.000259471	0.000194416	0.000204207	0.000190023	0.000504452	0.000259471	0.000192856
3905	0.000214425	0.000197845	0.000502861	0.000272138	0.000189682	0.000214108	0.000199203	0.000529601	0.000272138	0.000187873
3906	0.000210818	0.000195199	0.000482536	0.000262126	0.000187268	0.000209457	0.000195327	0.000508539	0.000262126	0.000185312
3907	0.00020557	0.000191457	0.000451073	0.000246326	0.000155864	0.000202352	0.000189424	0.000475993	0.000246326	0.000155927
3908	0.000196435	0.000183669	0.000418519	0.000229531	0.000124352	0.000192198	0.000180394	0.00044204	0.000229531	0.000127095
3909	0.000187363	0.0001755	0.000393731	0.000215979	0.000105384	0.000182679	0.000171658	0.000415969	0.000215979	0.000108991
3910	0.000171002	0.000160725	0.00034978	0.000192304	8.72669E-05	0.000165857	0.000156236	0.000369503	0.000192304	9.24291E-05
3911	0.000150279	0.000141065	0.000310563	0.000170391	8.4143E-05	0.000146037	0.000137444	0.00032792	0.000170391	8.91516E-05
3912	0.000134698	0.000126004	0.000285944	0.000156595	8.13318E-05	0.000131774	0.000123751	0.000301599	0.000156595	8.61872E-05
3913	0.000114474	0.000106696	0.000249778	0.000136306	8.35427E-05	0.000112678	0.000105568	0.000263164	0.000136306	8.84893E-05
3914	0.000107042	9.95769E-05	0.000236907	0.000129302	8.54345E-05	0.000105818	9.9032E-05	0.000249445	0.000129302	9.04615E-05
3915	0.000101953	9.48344E-05	0.000225792	0.000123507	9.04833E-05	0.000100942	9.4481E-05	0.00023769	0.000123507	9.57398E-05
3916	0.000101372	9.43171E-05	0.000224092	0.000122873	9.79602E-05	0.00010045	9.40517E-05	0.000235886	0.000122873	0.000103558
3917	0.000109587	0.000101947	0.000242503	0.000132833	0.000105767	0.000108544	0.00010161	0.000255308	0.000132833	0.000111733
3918	0.000121225	0.000112802	0.000267736	0.000146454	0.000110652	0.000119886	0.000112229	0.000281961	0.000146454	0.000116252
3919	0.000134458	0.00012507	0.000297763	0.00016259	0.000205534	0.000132871	0.000124326	0.000313735	0.00016259	0.000205067
3920	0.000134416	0.000124638	0.000304521	0.000166294	0.000207742	0.000133548	0.000124693	0.000320971	0.000166294	0.000206783
3921	0.000137313	0.000127414	0.000309515	0.000169211	0.000209803	0.000136312	0.000127337	0.000326277	0.000169211	0.000208972
3922	0.000147803	0.000137073	0.000334471	0.000182401	0.000211133	0.000146686	0.000136959	0.000352575	0.000182401	0.000210385
3923	0.000162621	0.000150631	0.000371187	0.00020173	0.000213477	0.000161481	0.000150627	0.000391221	0.00020173	0.000212856
3924	0.000180232	0.000166576	0.000417786	0.000226316	0.000199425	0.000179447	0.00016713	0.00044016	0.000226316	0.000199919
3925	0.000187191	0.000172911	0.000435596	0.00023582	0.00019891	0.000186523	0.000173656	0.000458875	0.00023582	0.000199371
3926	0.000189937	0.000175331	0.000444027	0.000240418	0.00019432	0.000189534	0.000176393	0.000467678	0.000240418	0.000194571
3927	0.000188644	0.000174208	0.000439778	0.000238674	0.000201648	0.000188344	0.000175359	0.000463198	0.000238674	0.00020045
3928	0.000204455	0.000188674	0.000478986	0.000259471	0.000194416	0.000204207	0.000190023	0.000504452	0.000259471	0.000192856
3929	0.000214425	0.000197845	0.000502861	0.000272138	0.000189682	0.000214108	0.000199203	0.000529601	0.000272138	0.000187873
3930	0.000210818	0.000195199	0.000482536	0.000262126	0.000187268	0.000209457	0.000195327	0.000508539	0.000262126	0.000185312
3931	0.00020557	0.000191457	0.000451073	0.000246326	0.000155864	0.000202352	0.000189424	0.000475993	0.000246326	0.000155927
3932	0.000196435	0.000183669	0.000418519	0.000229531	0.000124352	0.000192198	0.000180394	0.00044204	0.000229531	0.000127095
3933	0.000187363	0.0001755	0.000393731	0.000215979	0.000105384	0.000182679	0.000171658	0.000415969	0.000215979	0.000108991
3934	0.000171002	0.000160725	0.00034978	0.000192304	8.72669E-05	0.000165857	0.000156236	0.000369503	0.000192304	9.24291E-05
3935	0.000150279	0.000141065	0.000310563	0.000170391	8.4143E-05	0.000146037	0.000137444	0.00032792	0.000170391	8.91516E-05
3936	0.000134698	0.000126004	0.000285944	0.000156595	8.13318E-05	0.000131774	0.000123751	0.000301599	0.000156595	8.61872E-05
3937	0.000114265	0.00010651	0.00024917	0.000136008	8.3558E-05	0.000112469	0.00010538	0.000262524	0.000136008	8.85045E-05
3938	0.00010695	9.94962E-05	0.000236619	0.000129166	8.54856E-05	0.000105726	9.89505E-05	0.000249142	0.000129166	9.05136E-05
3939	0.000101886	9.47749E-05	0.000225591	0.000123409	9.05797E-05	0.000100874	9.44206E-05	0.000237478	0.000123409	9.58389E-05
3940	0.000101408	9.43524E-05	0.000224152	0.000122916	9.80299E-05	0.000100488	9.40887E-05	0.000235949	0.000122916	0.00010363
3941	0.000109721	0.00010207	0.000242812	0.000133007	0.00010589	0.00010868	0.000101737	0.000255632	0.000133007	0.00011186
3942	0.000121634	0.000113172	0.000268829	0.000147018	0.000110799	0.000120299	0.000112608	0.000283109	0.000147018	0.000116402
3943	0.000132984	0.0001235	0.00029796	0.000162573	0.000205627	0.000131744	0.000123136	0.000313954	0.000162573	0.000205159

3944	0.000134525	0.000124736	0.000304816	0.000166445	0.000207829	0.000133658	0.000124794	0.000321281	0.000166445	0.000206866
3945	0.00013724	0.00012735	0.000309282	0.000169103	0.000209851	0.000136239	0.000127272	0.000326033	0.000169103	0.000209015
3946	0.000146818	0.00013618	0.000331882	0.000181052	0.00021112	0.000145691	0.000136045	0.000349854	0.000181052	0.000210363
3947	0.000161009	0.000149166	0.000367021	0.000199535	0.000213322	0.00015985	0.000149126	0.000386842	0.000199535	0.000212686
3948	0.000178435	0.000164937	0.000413249	0.000223892	0.000199266	0.000177626	0.000165448	0.000435391	0.000223892	0.000199744
3949	0.00018552	0.000171385	0.000431415	0.000233574	0.000198801	0.000184829	0.000172089	0.00045448	0.000233574	0.000199249
3950	0.000186962	0.000172618	0.000436494	0.0002364	0.00019426	0.00018652	0.000173611	0.00045976	0.0002364	0.0001945
3951	0.000185692	0.000171514	0.000432334	0.000234693	0.000201639	0.000185353	0.000172595	0.000455374	0.000234693	0.000200431
3952	0.000201219	0.00018572	0.000470851	0.000255112	0.00019423	0.000200927	0.000186991	0.0004959	0.000255112	0.000192653
3953	0.000210465	0.000194235	0.000492796	0.000266781	0.000189489	0.000210097	0.000195502	0.00051902	0.000266781	0.000187662
3954	0.000207072	0.000191785	0.000473003	0.000257056	0.000187011	0.000205662	0.000191826	0.000498519	0.000257056	0.000185036
3955	0.000202299	0.000188478	0.000442716	0.000241892	0.00015564	0.000199039	0.00018637	0.000467208	0.000241892	0.000155686
3956	0.000193659	0.000181141	0.000411432	0.000225769	0.000124146	0.000189387	0.000177802	0.00043459	0.000225769	0.000126872
3957	0.000186513	0.000174953	0.000387617	0.000212851	0.000105263	0.000181453	0.000170677	0.00040953	0.000212851	0.000108859
3958	0.000169211	0.000159095	0.000345172	0.00018987	8.71384E-05	0.000164045	0.000154567	0.000364659	0.00018987	9.22893E-05
3959	0.000148572	0.000139516	0.00030612	0.000168061	8.40567E-05	0.000144312	0.000135858	0.00032325	0.000168061	8.90553E-05
3960	0.000133334	0.000124756	0.000282553	0.000154765	8.11957E-05	0.00013039	0.000122469	0.000298034	0.000154765	8.604E-05
3961	0.000114265	0.00010651	0.00024917	0.000136008	8.3558E-05	0.000112469	0.00010538	0.000262524	0.000136008	8.85045E-05
3962	0.00010695	9.94962E-05	0.000236619	0.000129166	8.54856E-05	0.000105726	9.89505E-05	0.000249142	0.000129166	9.05136E-05
3963	0.000101886	9.47749E-05	0.000225591	0.000123409	9.05797E-05	0.000100874	9.44206E-05	0.000237478	0.000123409	9.58389E-05
3964	0.000101408	9.43524E-05	0.000224152	0.000122916	9.80299E-05	0.000100488	9.40887E-05	0.000235949	0.000122916	0.00010363
3965	0.000109721	0.00010207	0.000242812	0.000133007	0.00010589	0.00010868	0.000101737	0.000255632	0.000133007	0.00011186
3966	0.000121634	0.000113172	0.000268829	0.000147018	0.000110799	0.000120299	0.000112608	0.000283109	0.000147018	0.000116402
3967	0.000132984	0.0001235	0.00029796	0.000162573	0.000205627	0.000131744	0.000123136	0.000313954	0.000162573	0.000205159
3968	0.000134525	0.000124736	0.000304816	0.000166445	0.000207829	0.000133658	0.000124794	0.000321281	0.000166445	0.000206866
3969	0.00013724	0.00012735	0.000309282	0.000169103	0.000209851	0.000136239	0.000127272	0.000326033	0.000169103	0.000209015
3970	0.000146818	0.00013618	0.000331882	0.000181052	0.00021112	0.000145691	0.000136045	0.000349854	0.000181052	0.000210363
3971	0.000161009	0.000149166	0.000367021	0.000199535	0.000213322	0.00015985	0.000149126	0.000386842	0.000199535	0.000212686
3972	0.000178435	0.000164937	0.000413249	0.000223892	0.000199266	0.000177626	0.000165448	0.000435391	0.000223892	0.000199744
3973	0.00018552	0.000171385	0.000431415	0.000233574	0.000198801	0.000184829	0.000172089	0.00045448	0.000233574	0.000199249
3974	0.000186962	0.000172618	0.000436494	0.0002364	0.00019426	0.00018652	0.000173611	0.00045976	0.0002364	0.0001945
3975	0.000185692	0.000171514	0.000432334	0.000234693	0.000201639	0.000185353	0.000172595	0.000455374	0.000234693	0.000200431
3976	0.000201219	0.00018572	0.000470851	0.000255112	0.00019423	0.000200927	0.000186991	0.0004959	0.000255112	0.000192653
3977	0.000210465	0.000194235	0.000492796	0.000266781	0.000189489	0.000210097	0.000195502	0.00051902	0.000266781	0.000187662
3978	0.000207072	0.000191785	0.000473003	0.000257056	0.000187011	0.000205662	0.000191826	0.000498519	0.000257056	0.000185036
3979	0.000202299	0.000188478	0.000442716	0.000241892	0.00015564	0.000199039	0.00018637	0.000467208	0.000241892	0.000155686
3980	0.000193659	0.000181141	0.000411432	0.000225769	0.000124146	0.000189387	0.000177802	0.00043459	0.000225769	0.000126872
3981	0.000186513	0.000174953	0.000387617	0.000212851	0.000105263	0.000181453	0.000170677	0.00040953	0.000212851	0.000108859
3982	0.000169211	0.000159095	0.000345172	0.00018987	8.71384E-05	0.000164045	0.000154567	0.000364659	0.00018987	9.22893E-05
3983	0.000148572	0.000139516	0.00030612	0.000168061	8.40567E-05	0.000144312	0.000135858	0.00032325	0.000168061	8.90553E-05
3984	0.000133334	0.000124756	0.000282553	0.000154765	8.11957E-05	0.00013039	0.000122469	0.000298034	0.000154765	8.604E-05
3985	0.000114265	0.00010651	0.00024917	0.000136008	8.3558E-05	0.000112469	0.00010538	0.000262524	0.000136008	8.85045E-05
3986	0.00010695	9.94962E-05	0.000236619	0.000129166	8.54856E-05	0.000105726	9.89505E-05	0.000249142	0.000129166	9.05136E-05
3987	0.000101886	9.47749E-05	0.000225591	0.000123409	9.05797E-05	0.000100874	9.44206E-05	0.000237478	0.000123409	9.58389E-05
3988	0.000101408	9.43524E-05	0.000224152	0.000122916	9.80299E-05	0.000100488	9.40887E-05	0.000235949	0.000122916	0.00010363
3989	0.000109721	0.00010207	0.000242812	0.000133007	0.00010589	0.00010868	0.000101737	0.000255632	0.000133007	0.00011186
3990	0.000121634	0.000113172	0.000268829	0.000147018	0.000110799	0.000120299	0.000112608	0.000283109	0.000147018	0.000116402
3991	0.000132984	0.0001235	0.00029796	0.000162573	0.000205627	0.000131744	0.000123136	0.000313954	0.000162573	0.000205159
3992	0.000134525	0.000124736	0.000304816	0.000166445	0.000207829	0.000133658	0.000124794	0.000321281	0.000166445	0.000206866
3993	0.00013724	0.00012735	0.000309282	0.000169103	0.000209851	0.000136239	0.000127272	0.000326033	0.000169103	0.000209015
3994	0.000146818	0.00013618	0.000331882	0.000181052	0.00021112	0.000145691	0.000136045	0.000349854	0.000181052	0.000210363
3995	0.000161009	0.000149166	0.000367021	0.000199535	0.000213322	0.00015985	0.000149126	0.000386842	0.000199535	0.000212686
3996	0.000178435	0.000164937	0.000413249	0.000223892	0.000199266	0.000177626	0.000165448	0.000435391	0.000223892	0.000199744
3997	0.00018552	0.000171385	0.000431415	0.000233574	0.000198801	0.000184829	0.000172089	0.00045448	0.000233574	0.000199249
3998	0.000186962	0.000172618	0.000436494	0.0002364	0.00019426	0.00018652	0.000173611	0.00045976	0.0002364	0.0001945
3999	0.000185692	0.000171514	0.000432334	0.000234693	0.000201639	0.000185353	0.000172595	0.000455374	0.000234693	0.000200431
4000	0.000201219	0.00018572	0.000470851	0.000255112	0.00019423	0.000200927	0.000186991	0.0004959	0.000255112	0.000192653
4001	0.000210465	0.000194235	0.000492796	0.000266781	0.000189489	0.000210097	0.000195502	0.00051902	0.000266781	0.000187662
4002	0.000207072	0.000191785	0.000473003	0.000257056	0.000187011	0.000205662	0.000191826	0.000498519	0.000257056	0.000185036
4003	0.000202299	0.000188478	0.000442716	0.000241892	0.00015564	0.000199039	0.00018637	0.000467208	0.000241892	0.000155686
4004	0.000193659	0.000181141	0.000411432	0.000225769	0.000124146	0.000189387	0.000177802	0.00043459	0.000225769	0.000126872
4005	0.000186513	0.000174953	0.000387617	0.000212851	0.000105263	0.000181453	0.000170677	0.00040953	0.000212851	0.000108859
4006	0.000169211	0.000159095	0.000345172	0.00018987	8.71384E-05	0.000164045	0.000154567	0.000364659	0.00018987	9.22893E-05
4007	0.000148572	0.000139516	0.00030612	0.000168061	8.40567E-05	0.000144312	0.000135858	0.00032325	0.000168061	8.90553E-05
4008	0.000133334	0.000124756	0.000282553	0.000154765	8.11957E-05	0.00013039	0.000122469	0.000298034	0.000154765	8.604E-05
4009	0.000114265	0.00010651	0.00024917	0.000136008	8.3558E-05	0.000112469	0.00010538	0.000262524	0.000136008	8.85045E-05
4010	0.00010695	9.94962E-05	0.000236619	0.000129166	8.54856E-05	0.000105726	9.89505E-05	0.000249142	0.000129166	9.05136E-05
4011	0.000101886	9.47749E-05	0.000225591	0.000123409	9.05797E-05	0.000100874	9.44206E-05	0.000237478	0.000123409	9.58389E-05
4012	0.000101408	9.43524E-05	0.000224152	0.000122916	9.80299E-05	0.000100488	9.40887E-05	0.000235949	0.000122916	0.00010363
4013	0.000109721	0.00010207	0.000242812	0.000133007	0.00010589	0.00010868	0.000101737	0.000255632	0.000133007	0.00011186
4014	0.000121634	0.000113172	0.000268829	0.000147018	0.000110799	0.000120299	0.000112608	0.000283109	0.000147018	0.000116402
4015	0.000132984	0.0001235	0.00029796	0.000162573	0.000205627	0.000131744	0.000123136	0.000313954	0.000162573	0.000205159
4016	0.000134525	0.000124736	0.000304816	0.000166445	0.000207829	0.000133658	0.000124794	0.000321281	0.000166445	0.000206866
4017	0.00013724	0.00012735	0.000309282	0.000169103	0.000209851	0.000136239	0.000127272	0.000326033	0.000169103	0.000209015
4018	0.000146818	0.00013618	0.000331882	0.000181052	0.00021112	0.000145691	0.000136045	0.000349854	0.000181052	0.000210363
4019	0.000161009	0.000149166	0.000367021	0.000199535	0.000213322	0.00015985	0.000149126	0.000386842	0.000199535	0.000212686

4020	0.000178435	0.000164937	0.000413249	0.000223892	0.000199266	0.000177626	0.000165448	0.000435391	0.000223892	0.000199744
4021	0.00018552	0.000171385	0.000431415	0.000233574	0.000198801	0.000184829	0.000172089	0.00045448	0.000233574	0.000199249
4022	0.000186962	0.000172618	0.000436494	0.0002364	0.00019426	0.00018652	0.000173611	0.00045976	0.0002364	0.0001945
4023	0.000185692	0.000171514	0.000432334	0.000234693	0.000201639	0.000185353	0.000172595	0.000455374	0.000234693	0.000200431
4024	0.000201219	0.00018572	0.000470851	0.000255112	0.00019423	0.000200927	0.000186991	0.0004959	0.000255112	0.000192653
4025	0.000210465	0.000194235	0.000492796	0.000266781	0.000189489	0.000210097	0.000195502	0.00051902	0.000266781	0.000187662
4026	0.000207072	0.000191785	0.000473003	0.000257056	0.000187011	0.000205662	0.000191826	0.000498519	0.000257056	0.000185036
4027	0.000202299	0.000188478	0.000442716	0.000241892	0.00015564	0.000199039	0.00018637	0.000467208	0.000241892	0.000155686
4028	0.000193659	0.000181141	0.000411432	0.000225769	0.000124146	0.000189387	0.000177802	0.00043459	0.000225769	0.000126872
4029	0.000186513	0.000174953	0.000387617	0.000212851	0.000105263	0.000181453	0.000170677	0.00040953	0.000212851	0.000108859
4030	0.000169211	0.000159095	0.000345172	0.00018987	8.71384E-05	0.000164045	0.000154567	0.000364659	0.00018987	9.22893E-05
4031	0.000148572	0.000139516	0.00030612	0.000168061	8.40567E-05	0.000144312	0.000135858	0.00032325	0.000168061	8.90553E-05
4032	0.000133334	0.000124756	0.000282553	0.000154765	8.11957E-05	0.00013039	0.000122469	0.000298034	0.000154765	8.604E-05
4033	0.000114265	0.00010651	0.00024917	0.000136008	8.3558E-05	0.000112469	0.00010538	0.000262524	0.000136008	8.85045E-05
4034	0.00010695	9.94962E-05	0.000236619	0.000129166	8.54856E-05	0.000105726	9.89505E-05	0.000249142	0.000129166	9.05136E-05
4035	0.000101886	9.47749E-05	0.000225591	0.000123409	9.05797E-05	0.000100874	9.44206E-05	0.000237478	0.000123409	9.58389E-05
4036	0.000101408	9.43524E-05	0.000224152	0.000122916	9.80299E-05	0.000100488	9.40887E-05	0.000235949	0.000122916	0.00010363
4037	0.000109721	0.00010207	0.000242812	0.000133007	0.00010589	0.00010868	0.000101737	0.000255632	0.000133007	0.00011186
4038	0.000121634	0.000113172	0.000268829	0.000147018	0.000110799	0.000120299	0.000112608	0.000283109	0.000147018	0.000116402
4039	0.000132984	0.0001235	0.00029796	0.000162573	0.000205627	0.000131744	0.000123136	0.000313954	0.000162573	0.000205159
4040	0.000134525	0.000124736	0.000304816	0.000166445	0.000207829	0.000133658	0.000124794	0.000321281	0.000166445	0.000206866
4041	0.00013724	0.00012735	0.000309282	0.000169103	0.000209851	0.000136239	0.000127272	0.000326033	0.000169103	0.000209015
4042	0.000146818	0.00013618	0.000331882	0.000181052	0.00021112	0.000145691	0.000136045	0.000349854	0.000181052	0.000210363
4043	0.000161009	0.000149166	0.000367021	0.000199535	0.000213322	0.00015985	0.000149126	0.000386842	0.000199535	0.000212686
4044	0.000178435	0.000164937	0.000413249	0.000223892	0.000199266	0.000177626	0.000165448	0.000435391	0.000223892	0.000199744
4045	0.00018552	0.000171385	0.000431415	0.000233574	0.000198801	0.000184829	0.000172089	0.00045448	0.000233574	0.000199249
4046	0.000186962	0.000172618	0.000436494	0.0002364	0.00019426	0.00018652	0.000173611	0.00045976	0.0002364	0.0001945
4047	0.000185692	0.000171514	0.000432334	0.000234693	0.000201639	0.000185353	0.000172595	0.000455374	0.000234693	0.000200431
4048	0.000201219	0.00018572	0.000470851	0.000255112	0.00019423	0.000200927	0.000186991	0.0004959	0.000255112	0.000192653
4049	0.000210465	0.000194235	0.000492796	0.000266781	0.000189489	0.000210097	0.000195502	0.00051902	0.000266781	0.000187662
4050	0.000207072	0.000191785	0.000473003	0.000257056	0.000187011	0.000205662	0.000191826	0.000498519	0.000257056	0.000185036
4051	0.000202299	0.000188478	0.000442716	0.000241892	0.00015564	0.000199039	0.00018637	0.000467208	0.000241892	0.000155686
4052	0.000193659	0.000181141	0.000411432	0.000225769	0.000124146	0.000189387	0.000177802	0.00043459	0.000225769	0.000126872
4053	0.000186513	0.000174953	0.000387617	0.000212851	0.000105263	0.000181453	0.000170677	0.00040953	0.000212851	0.000108859
4054	0.000169211	0.000159095	0.000345172	0.00018987	8.71384E-05	0.000164045	0.000154567	0.000364659	0.00018987	9.22893E-05
4055	0.000148572	0.000139516	0.00030612	0.000168061	8.40567E-05	0.000144312	0.000135858	0.00032325	0.000168061	8.90553E-05
4056	0.000133334	0.000124756	0.000282553	0.000154765	8.11957E-05	0.00013039	0.000122469	0.000298034	0.000154765	8.604E-05
4057	0.000114474	0.000106696	0.000249778	0.000136306	8.35427E-05	0.000112678	0.000105568	0.000263164	0.000136306	8.84893E-05
4058	0.000107042	9.95769E-05	0.000236907	0.000129302	8.54345E-05	0.000105818	9.9032E-05	0.000249445	0.000129302	9.04615E-05
4059	0.000101953	9.48344E-05	0.000225792	0.000123507	9.04833E-05	0.000100942	9.4481E-05	0.00023769	0.000123507	9.57398E-05
4060	0.000101372	9.43171E-05	0.000224092	0.000122873	9.79602E-05	0.00010045	9.40517E-05	0.000235886	0.000122873	0.000103558
4061	0.000109587	0.000101947	0.000242503	0.000132833	0.000105767	0.000108544	0.00010161	0.000255308	0.000132833	0.000111733
4062	0.000121225	0.000112802	0.000267736	0.000146454	0.000110652	0.000119886	0.000112229	0.000281961	0.000146454	0.000116252
4063	0.000134458	0.00012507	0.000297763	0.00016259	0.000205534	0.000132871	0.000124326	0.000313735	0.00016259	0.000205067
4064	0.000134416	0.000124638	0.000304521	0.000166294	0.000207742	0.000133548	0.000124693	0.000320971	0.000166294	0.000206783
4065	0.000137313	0.000127414	0.000309515	0.000169211	0.000209803	0.000136312	0.000127337	0.000326277	0.000169211	0.000208972
4066	0.000147803	0.000137073	0.000334471	0.000182401	0.000211133	0.000146686	0.000136959	0.000352575	0.000182401	0.000210385
4067	0.000162621	0.000150631	0.000371187	0.00020173	0.000213477	0.000161481	0.000150627	0.000391221	0.00020173	0.000212856
4068	0.000180232	0.000166576	0.000417786	0.000226316	0.000199425	0.000179447	0.00016713	0.00044016	0.000226316	0.000199919
4069	0.000187191	0.000172911	0.000435596	0.00023582	0.00019891	0.000186523	0.000173656	0.000458875	0.00023582	0.000199371
4070	0.000189937	0.000175331	0.000444027	0.000240418	0.00019432	0.000189534	0.000176393	0.000467678	0.000240418	0.000194571
4071	0.000188644	0.000174208	0.000439778	0.000238674	0.000201648	0.000188344	0.000175359	0.000463198	0.000238674	0.00020045
4072	0.000204455	0.000188674	0.000478986	0.000259471	0.000194416	0.000204207	0.000190023	0.000504452	0.000259471	0.000192856
4073	0.000214425	0.000197845	0.000502861	0.000272138	0.000189682	0.000214108	0.000199203	0.000529601	0.000272138	0.000187873
4074	0.000210818	0.000195199	0.000482536	0.000262126	0.000187268	0.000209457	0.000195327	0.000508539	0.000262126	0.000185312
4075	0.00020557	0.000191457	0.000451073	0.000246326	0.000155864	0.000202352	0.000189424	0.000475993	0.000246326	0.000155927
4076	0.000196435	0.000183669	0.000418519	0.000229531	0.000124352	0.000192198	0.000180394	0.00044204	0.000229531	0.000127095
4077	0.000187363	0.0001755	0.000393731	0.000215979	0.000105384	0.000182679	0.000171658	0.000415969	0.000215979	0.000108991
4078	0.000171002	0.000160725	0.00034978	0.000192304	8.72669E-05	0.000165857	0.000156236	0.000369503	0.000192304	9.24291E-05
4079	0.000150279	0.000141065	0.000310563	0.000170391	8.4143E-05	0.000146037	0.000137444	0.00032792	0.000170391	8.91516E-05
4080	0.000134698	0.000126004	0.000285944	0.000156595	8.13318E-05	0.000131774	0.000123751	0.000301599	0.000156595	8.61872E-05
4081	0.000114474	0.000106696	0.000249778	0.000136306	8.35427E-05	0.000112678	0.000105568	0.000263164	0.000136306	8.84893E-05
4082	0.000107042	9.95769E-05	0.000236907	0.000129302	8.54345E-05	0.000105818	9.9032E-05	0.000249445	0.000129302	9.04615E-05
4083	0.000101953	9.48344E-05	0.000225792	0.000123507	9.04833E-05	0.000100942	9.4481E-05	0.00023769	0.000123507	9.57398E-05
4084	0.000101372	9.43171E-05	0.000224092	0.000122873	9.79602E-05	0.00010045	9.40517E-05	0.000235886	0.000122873	0.000103558
4085	0.000109587	0.000101947	0.000242503	0.000132833	0.000105767	0.000108544	0.00010161	0.000255308	0.000132833	0.000111733
4086	0.000121225	0.000112802	0.000267736	0.000146454	0.000110652	0.000119886	0.000112229	0.000281961	0.000146454	0.000116252
4087	0.000134458	0.00012507	0.000297763	0.00016259	0.000205534	0.000132871	0.000124326	0.000313735	0.00016259	0.000205067
4088	0.000134416	0.000124638	0.000304521	0.000166294	0.000207742	0.000133548	0.000124693	0.000320971	0.000166294	0.000206783
4089	0.000137313	0.000127414	0.000309515	0.000169211	0.000209803	0.000136312	0.000127337	0.000326277	0.000169211	0.000208972
4090	0.000147803	0.000137073	0.000334471	0.000182401	0.000211133	0.000146686	0.000136959	0.000352575	0.000182401	0.000210385
4091	0.000162621	0.000150631	0.000371187	0.00020173	0.000213477	0.000161481	0.000150627	0.000391221	0.00020173	0.000212856
4092	0.000180232	0.000166576	0.000417786	0.000226316	0.000199425	0.000179447	0.00016713	0.00044016	0.000226316	0.000199919
4093	0.000187191	0.000172911	0.000435596	0.00023582	0.00019891	0.000186523	0.000173656	0.000458875	0.00023582	0.000199371
4094	0.000189937	0.000175331	0.000444027	0.000240418	0.00019432	0.000189534	0.000176393	0.000467678	0.000240418	0.000194571
4095	0.000188644	0.000174208	0.000439778	0.000238674	0.000201648	0.000188344	0.000175359	0.000463198	0.000238674	0.00020045

4096	0.000204455	0.000188674	0.000478986	0.000259471	0.000194416	0.000204207	0.000190023	0.000504452	0.000259471	0.000192856
4097	0.000214425	0.000197845	0.000502861	0.000272138	0.000189682	0.000214108	0.000199203	0.000529601	0.000272138	0.000187873
4098	0.000210818	0.000195199	0.000482536	0.000262126	0.000187268	0.000209457	0.000195327	0.000508539	0.000262126	0.000185312
4099	0.00020557	0.000191457	0.000451073	0.000246326	0.000155864	0.000202352	0.000189424	0.000475993	0.000246326	0.000155927
4100	0.000196435	0.000183669	0.000418519	0.000229531	0.000124352	0.000192198	0.000180394	0.00044204	0.000229531	0.000127095
4101	0.000187363	0.0001755	0.000393731	0.000215979	0.000105384	0.000182679	0.000171658	0.000415969	0.000215979	0.000108991
4102	0.000171002	0.000160725	0.00034978	0.000192304	8.72669E-05	0.000165857	0.000156236	0.000369503	0.000192304	9.24291E-05
4103	0.000150279	0.000141065	0.000310563	0.000170391	8.4143E-05	0.000146037	0.000137444	0.00032792	0.000170391	8.91516E-05
4104	0.000134698	0.000126004	0.000285944	0.000156595	8.13318E-05	0.000131774	0.000123751	0.000301599	0.000156595	8.61872E-05
4105	0.000114265	0.00010651	0.00024917	0.000136008	8.3558E-05	0.000112469	0.00010538	0.000262524	0.000136008	8.85045E-05
4106	0.00010695	9.94962E-05	0.000236619	0.000129166	8.54856E-05	0.000105726	9.89505E-05	0.000249142	0.000129166	9.05136E-05
4107	0.000101886	9.47749E-05	0.000225591	0.000123409	9.05797E-05	0.000100874	9.44206E-05	0.000237478	0.000123409	9.58389E-05
4108	0.000101408	9.43524E-05	0.000224152	0.000122916	9.80299E-05	0.000100488	9.40887E-05	0.000235949	0.000122916	0.00010363
4109	0.000109721	0.00010207	0.000242812	0.000133007	0.00010589	0.00010868	0.000101737	0.000255632	0.000133007	0.00011186
4110	0.000121634	0.000113172	0.000268829	0.000147018	0.000110799	0.000120299	0.000112608	0.000283109	0.000147018	0.000116402
4111	0.000132984	0.0001235	0.00029796	0.000162573	0.000205627	0.000131744	0.000123136	0.000313954	0.000162573	0.000205159
4112	0.000134525	0.000124736	0.000304816	0.000166445	0.000207829	0.000133658	0.000124794	0.000321281	0.000166445	0.000206866
4113	0.00013724	0.00012735	0.000309282	0.000169103	0.000209851	0.000136239	0.000127272	0.000326033	0.000169103	0.000209015
4114	0.000146818	0.00013618	0.000331882	0.000181052	0.00021112	0.000145691	0.000136045	0.000349854	0.000181052	0.000210363
4115	0.000161009	0.000149166	0.000367021	0.000199535	0.000213322	0.00015985	0.000149126	0.000386842	0.000199535	0.000212686
4116	0.000178435	0.000164937	0.000413249	0.000223892	0.000199266	0.000177626	0.000165448	0.000435391	0.000223892	0.000199744
4117	0.00018552	0.000171385	0.000431415	0.000233574	0.000198801	0.000184829	0.000172089	0.00045448	0.000233574	0.000199249
4118	0.000186962	0.000172618	0.000436494	0.0002364	0.00019426	0.00018652	0.000173611	0.00045976	0.0002364	0.0001945
4119	0.000185692	0.000171514	0.000432334	0.000234693	0.000201639	0.000185353	0.000172595	0.000455374	0.000234693	0.000200431
4120	0.000201219	0.00018572	0.000470851	0.000255112	0.00019423	0.000200927	0.000186991	0.0004959	0.000255112	0.000192653
4121	0.000210465	0.000194235	0.000492796	0.000266781	0.000189489	0.000210097	0.000195502	0.00051902	0.000266781	0.000187662
4122	0.000207072	0.000191785	0.000473003	0.000257056	0.000187011	0.000205662	0.000191826	0.000498519	0.000257056	0.000185036
4123	0.000202299	0.000188478	0.000442716	0.000241892	0.00015564	0.000199039	0.00018637	0.000467208	0.000241892	0.000155686
4124	0.000193659	0.000181141	0.000411432	0.000225769	0.000124146	0.000189387	0.000177802	0.00043459	0.000225769	0.000126872
4125	0.000186513	0.000174953	0.000387617	0.000212851	0.000105263	0.000181453	0.000170677	0.00040953	0.000212851	0.000108859
4126	0.000169211	0.000159095	0.000345172	0.00018987	8.71384E-05	0.000164045	0.000154567	0.000364659	0.00018987	9.22893E-05
4127	0.000148572	0.000139516	0.00030612	0.000168061	8.40567E-05	0.000144312	0.000135858	0.00032325	0.000168061	8.90553E-05
4128	0.000133334	0.000124756	0.000282553	0.000154765	8.11957E-05	0.00013039	0.000122469	0.000298034	0.000154765	8.604E-05
4129	0.000114265	0.00010651	0.00024917	0.000136008	8.3558E-05	0.000112469	0.00010538	0.000262524	0.000136008	8.85045E-05
4130	0.00010695	9.94962E-05	0.000236619	0.000129166	8.54856E-05	0.000105726	9.89505E-05	0.000249142	0.000129166	9.05136E-05
4131	0.000101886	9.47749E-05	0.000225591	0.000123409	9.05797E-05	0.000100874	9.44206E-05	0.000237478	0.000123409	9.58389E-05
4132	0.000101408	9.43524E-05	0.000224152	0.000122916	9.80299E-05	0.000100488	9.40887E-05	0.000235949	0.000122916	0.00010363
4133	0.000109721	0.00010207	0.000242812	0.000133007	0.00010589	0.00010868	0.000101737	0.000255632	0.000133007	0.00011186
4134	0.000121634	0.000113172	0.000268829	0.000147018	0.000110799	0.000120299	0.000112608	0.000283109	0.000147018	0.000116402
4135	0.000132984	0.0001235	0.00029796	0.000162573	0.000205627	0.000131744	0.000123136	0.000313954	0.000162573	0.000205159
4136	0.000134525	0.000124736	0.000304816	0.000166445	0.000207829	0.000133658	0.000124794	0.000321281	0.000166445	0.000206866
4137	0.00013724	0.00012735	0.000309282	0.000169103	0.000209851	0.000136239	0.000127272	0.000326033	0.000169103	0.000209015
4138	0.000146818	0.00013618	0.000331882	0.000181052	0.00021112	0.000145691	0.000136045	0.000349854	0.000181052	0.000210363
4139	0.000161009	0.000149166	0.000367021	0.000199535	0.000213322	0.00015985	0.000149126	0.000386842	0.000199535	0.000212686
4140	0.000178435	0.000164937	0.000413249	0.000223892	0.000199266	0.000177626	0.000165448	0.000435391	0.000223892	0.000199744
4141	0.00018552	0.000171385	0.000431415	0.000233574	0.000198801	0.000184829	0.000172089	0.00045448	0.000233574	0.000199249
4142	0.000186962	0.000172618	0.000436494	0.0002364	0.00019426	0.00018652	0.000173611	0.00045976	0.0002364	0.0001945
4143	0.000185692	0.000171514	0.000432334	0.000234693	0.000201639	0.000185353	0.000172595	0.000455374	0.000234693	0.000200431
4144	0.000201219	0.00018572	0.000470851	0.000255112	0.00019423	0.000200927	0.000186991	0.0004959	0.000255112	0.000192653
4145	0.000210465	0.000194235	0.000492796	0.000266781	0.000189489	0.000210097	0.000195502	0.00051902	0.000266781	0.000187662
4146	0.000207072	0.000191785	0.000473003	0.000257056	0.000187011	0.000205662	0.000191826	0.000498519	0.000257056	0.000185036
4147	0.000202299	0.000188478	0.000442716	0.000241892	0.00015564	0.000199039	0.00018637	0.000467208	0.000241892	0.000155686
4148	0.000193659	0.000181141	0.000411432	0.000225769	0.000124146	0.000189387	0.000177802	0.00043459	0.000225769	0.000126872
4149	0.000186513	0.000174953	0.000387617	0.000212851	0.000105263	0.000181453	0.000170677	0.00040953	0.000212851	0.000108859
4150	0.000169211	0.000159095	0.000345172	0.00018987	8.71384E-05	0.000164045	0.000154567	0.000364659	0.00018987	9.22893E-05
4151	0.000148572	0.000139516	0.00030612	0.000168061	8.40567E-05	0.000144312	0.000135858	0.00032325	0.000168061	8.90553E-05
4152	0.000133334	0.000124756	0.000282553	0.000154765	8.11957E-05	0.00013039	0.000122469	0.000298034	0.000154765	8.604E-05
4153	0.000114265	0.00010651	0.00024917	0.000136008	8.3558E-05	0.000112469	0.00010538	0.000262524	0.000136008	8.85045E-05
4154	0.00010695	9.94962E-05	0.000236619	0.000129166	8.54856E-05	0.000105726	9.89505E-05	0.000249142	0.000129166	9.05136E-05
4155	0.000101886	9.47749E-05	0.000225591	0.000123409	9.05797E-05	0.000100874	9.44206E-05	0.000237478	0.000123409	9.58389E-05
4156	0.000101408	9.43524E-05	0.000224152	0.000122916	9.80299E-05	0.000100488	9.40887E-05	0.000235949	0.000122916	0.00010363
4157	0.000109721	0.00010207	0.000242812	0.000133007	0.00010589	0.00010868	0.000101737	0.000255632	0.000133007	0.00011186
4158	0.000121634	0.000113172	0.000268829	0.000147018	0.000110799	0.000120299	0.000112608	0.000283109	0.000147018	0.000116402
4159	0.000132984	0.0001235	0.00029796	0.000162573	0.000205627	0.000131744	0.000123136	0.000313954	0.000162573	0.000205159
4160	0.000134525	0.000124736	0.000304816	0.000166445	0.000207829	0.000133658	0.000124794	0.000321281	0.000166445	0.000206866
4161	0.00013724	0.00012735	0.000309282	0.000169103	0.000209851	0.000136239	0.000127272	0.000326033	0.000169103	0.000209015
4162	0.000146818	0.00013618	0.000331882	0.000181052	0.00021112	0.000145691	0.000136045	0.000349854	0.000181052	0.000210363
4163	0.000161009	0.000149166	0.000367021	0.000199535	0.000213322	0.00015985	0.000149126	0.000386842	0.000199535	0.000212686
4164	0.000178435	0.000164937	0.000413249	0.000223892	0.000199266	0.000177626	0.000165448	0.000435391	0.000223892	0.000199744
4165	0.00018552	0.000171385	0.000431415	0.000233574	0.000198801	0.000184829	0.000172089	0.00045448	0.000233574	0.000199249
4166	0.000186962	0.000172618	0.000436494	0.0002364	0.00019426	0.00018652	0.000173611	0.00045976	0.0002364	0.0001945
4167	0.000185692	0.000171514	0.000432334	0.000234693	0.000201639	0.000185353	0.000172595	0.000455374	0.000234693	0.000200431
4168	0.000201219	0.00018572	0.000470851	0.000255112	0.00019423	0.000200927	0.000186991	0.0004959	0.000255112	0.000192653
4169	0.000210465	0.000194235	0.000492796	0.000266781	0.000189489	0.000210097	0.000195502	0.00051902	0.000266781	0.000187662
4170	0.000207072	0.000191785	0.000473003	0.000257056	0.000187011	0.000205662	0.000191826	0.000498519	0.000257056	0.000185036
4171	0.000202299	0.000188478	0.000442716	0.000241892	0.00015564	0.000199039	0.00018637	0.000467208	0.000241892	0.000155686

4172	0.000193659	0.000181141	0.000411432	0.000225769	0.000124146	0.000189387	0.000177802	0.00043459	0.000225769	0.000126872
4173	0.000186513	0.000174953	0.000387617	0.000212851	0.000105263	0.000181453	0.000170677	0.00040953	0.000212851	0.000108859
4174	0.000169211	0.000159095	0.000345172	0.00018987	8.71384E-05	0.000164045	0.000154567	0.000364659	0.00018987	9.22893E-05
4175	0.000148572	0.000139516	0.00030612	0.000168061	8.40567E-05	0.000144312	0.000135858	0.00032325	0.000168061	8.90553E-05
4176	0.000133334	0.000124756	0.000282553	0.000154765	8.11957E-05	0.00013039	0.000122469	0.000298034	0.000154765	8.604E-05
4177	0.000114265	0.00010651	0.00024917	0.000136008	8.3558E-05	0.000112469	0.00010538	0.000262524	0.000136008	8.85045E-05
4178	0.00010695	9.94962E-05	0.000236619	0.000129166	8.54856E-05	0.000105726	9.89505E-05	0.000249142	0.000129166	9.05136E-05
4179	0.000101886	9.47749E-05	0.000225591	0.000123409	9.05797E-05	0.000100874	9.44206E-05	0.000237478	0.000123409	9.58389E-05
4180	0.000101408	9.43524E-05	0.000224152	0.000122916	9.80299E-05	0.000100488	9.40887E-05	0.000235949	0.000122916	0.00010363
4181	0.000109721	0.00010207	0.000242812	0.000133007	0.00010589	0.00010868	0.000101737	0.000255632	0.000133007	0.00011186
4182	0.000121634	0.000113172	0.000268829	0.000147018	0.000110799	0.000120299	0.000112608	0.000283109	0.000147018	0.000116402
4183	0.000132984	0.0001235	0.00029796	0.000162573	0.000205627	0.000131744	0.000123136	0.000313954	0.000162573	0.000205159
4184	0.000134525	0.000124736	0.000304816	0.000166445	0.000207829	0.000133658	0.000124794	0.000321281	0.000166445	0.000206866
4185	0.00013724	0.00012735	0.000309282	0.000169103	0.000209851	0.000136239	0.000127272	0.000326033	0.000169103	0.000209015
4186	0.000146818	0.00013618	0.000331882	0.000181052	0.00021112	0.000145691	0.000136045	0.000349854	0.000181052	0.000210363
4187	0.000161009	0.000149166	0.000367021	0.000199535	0.000213322	0.00015985	0.000149126	0.000386842	0.000199535	0.000212686
4188	0.000178435	0.000164937	0.000413249	0.000223892	0.000199266	0.000177626	0.000165448	0.000435391	0.000223892	0.000199744
4189	0.00018552	0.000171385	0.000431415	0.000233574	0.000198801	0.000184829	0.000172089	0.00045448	0.000233574	0.000199249
4190	0.000186962	0.000172618	0.000436494	0.0002364	0.00019426	0.00018652	0.000173611	0.00045976	0.0002364	0.0001945
4191	0.000185692	0.000171514	0.000432334	0.000234693	0.000201639	0.000185353	0.000172595	0.000455374	0.000234693	0.000200431
4192	0.000201219	0.00018572	0.000470851	0.000255112	0.00019423	0.000200927	0.000186991	0.0004959	0.000255112	0.000192653
4193	0.000210465	0.000194235	0.000492796	0.000266781	0.000189489	0.000210097	0.000195502	0.00051902	0.000266781	0.000187662
4194	0.000207072	0.000191785	0.000473003	0.000257056	0.000187011	0.000205662	0.000191826	0.000498519	0.000257056	0.000185036
4195	0.000202299	0.000188478	0.000442716	0.000241892	0.00015564	0.000199039	0.00018637	0.000467208	0.000241892	0.000155686
4196	0.000193659	0.000181141	0.000411432	0.000225769	0.000124146	0.000189387	0.000177802	0.00043459	0.000225769	0.000126872
4197	0.000186513	0.000174953	0.000387617	0.000212851	0.000105263	0.000181453	0.000170677	0.00040953	0.000212851	0.000108859
4198	0.000169211	0.000159095	0.000345172	0.00018987	8.71384E-05	0.000164045	0.000154567	0.000364659	0.00018987	9.22893E-05
4199	0.000148572	0.000139516	0.00030612	0.000168061	8.40567E-05	0.000144312	0.000135858	0.00032325	0.000168061	8.90553E-05
4200	0.000133334	0.000124756	0.000282553	0.000154765	8.11957E-05	0.00013039	0.000122469	0.000298034	0.000154765	8.604E-05
4201	0.000114265	0.00010651	0.00024917	0.000136008	8.3558E-05	0.000112469	0.00010538	0.000262524	0.000136008	8.85045E-05
4202	0.00010695	9.94962E-05	0.000236619	0.000129166	8.54856E-05	0.000105726	9.89505E-05	0.000249142	0.000129166	9.05136E-05
4203	0.000101886	9.47749E-05	0.000225591	0.000123409	9.05797E-05	0.000100874	9.44206E-05	0.000237478	0.000123409	9.58389E-05
4204	0.000101408	9.43524E-05	0.000224152	0.000122916	9.80299E-05	0.000100488	9.40887E-05	0.000235949	0.000122916	0.00010363
4205	0.000109721	0.00010207	0.000242812	0.000133007	0.00010589	0.00010868	0.000101737	0.000255632	0.000133007	0.00011186
4206	0.000121634	0.000113172	0.000268829	0.000147018	0.000110799	0.000120299	0.000112608	0.000283109	0.000147018	0.000116402
4207	0.000132984	0.0001235	0.00029796	0.000162573	0.000205627	0.000131744	0.000123136	0.000313954	0.000162573	0.000205159
4208	0.000134525	0.000124736	0.000304816	0.000166445	0.000207829	0.000133658	0.000124794	0.000321281	0.000166445	0.000206866
4209	0.00013724	0.00012735	0.000309282	0.000169103	0.000209851	0.000136239	0.000127272	0.000326033	0.000169103	0.000209015
4210	0.000146818	0.00013618	0.000331882	0.000181052	0.00021112	0.000145691	0.000136045	0.000349854	0.000181052	0.000210363
4211	0.000161009	0.000149166	0.000367021	0.000199535	0.000213322	0.00015985	0.000149126	0.000386842	0.000199535	0.000212686
4212	0.000178435	0.000164937	0.000413249	0.000223892	0.000199266	0.000177626	0.000165448	0.000435391	0.000223892	0.000199744
4213	0.00018552	0.000171385	0.000431415	0.000233574	0.000198801	0.000184829	0.000172089	0.00045448	0.000233574	0.000199249
4214	0.000186962	0.000172618	0.000436494	0.0002364	0.00019426	0.00018652	0.000173611	0.00045976	0.0002364	0.0001945
4215	0.000185692	0.000171514	0.000432334	0.000234693	0.000201639	0.000185353	0.000172595	0.000455374	0.000234693	0.000200431
4216	0.000201219	0.00018572	0.000470851	0.000255112	0.00019423	0.000200927	0.000186991	0.0004959	0.000255112	0.000192653
4217	0.000210465	0.000194235	0.000492796	0.000266781	0.000189489	0.000210097	0.000195502	0.00051902	0.000266781	0.000187662
4218	0.000207072	0.000191785	0.000473003	0.000257056	0.000187011	0.000205662	0.000191826	0.000498519	0.000257056	0.000185036
4219	0.000202299	0.000188478	0.000442716	0.000241892	0.00015564	0.000199039	0.00018637	0.000467208	0.000241892	0.000155686
4220	0.000193659	0.000181141	0.000411432	0.000225769	0.000124146	0.000189387	0.000177802	0.00043459	0.000225769	0.000126872
4221	0.000186513	0.000174953	0.000387617	0.000212851	0.000105263	0.000181453	0.000170677	0.00040953	0.000212851	0.000108859
4222	0.000169211	0.000159095	0.000345172	0.00018987	8.71384E-05	0.000164045	0.000154567	0.000364659	0.00018987	9.22893E-05
4223	0.000148572	0.000139516	0.00030612	0.000168061	8.40567E-05	0.000144312	0.000135858	0.00032325	0.000168061	8.90553E-05
4224	0.000133334	0.000124756	0.000282553	0.000154765	8.11957E-05	0.00013039	0.000122469	0.000298034	0.000154765	8.604E-05
4225	0.000114474	0.000106696	0.000249778	0.000136306	8.35427E-05	0.000112678	0.000105568	0.000263164	0.000136306	8.84893E-05
4226	0.000107042	9.95769E-05	0.000236907	0.000129302	8.54345E-05	0.000105818	9.9032E-05	0.000249445	0.000129302	9.04615E-05
4227	0.000101953	9.48344E-05	0.000225792	0.000123507	9.04833E-05	0.000100942	9.4481E-05	0.00023769	0.000123507	9.57398E-05
4228	0.000101372	9.43171E-05	0.000224092	0.000122873	9.79602E-05	0.00010045	9.40517E-05	0.000235886	0.000122873	0.000103558
4229	0.000109587	0.000101947	0.000242503	0.000132833	0.000105767	0.000108544	0.00010161	0.000255308	0.000132833	0.000111733
4230	0.000121225	0.000112802	0.000267736	0.000146454	0.000110652	0.000119886	0.000112229	0.000281961	0.000146454	0.000116252
4231	0.000134458	0.00012507	0.000297763	0.00016259	0.000205534	0.000132871	0.000124326	0.000313735	0.00016259	0.000205067
4232	0.000134416	0.000124638	0.000304521	0.000166294	0.000207742	0.000133548	0.000124693	0.000320971	0.000166294	0.000206783
4233	0.000137313	0.000127414	0.000309515	0.000169211	0.000209803	0.000136312	0.000127337	0.000326277	0.000169211	0.000208972
4234	0.000147803	0.000137073	0.000334471	0.000182401	0.000211133	0.000146686	0.000136959	0.000352575	0.000182401	0.000210385
4235	0.000162621	0.000150631	0.000371187	0.00020173	0.000213477	0.000161481	0.000150627	0.000391221	0.00020173	0.000212856
4236	0.000180232	0.000166576	0.000417786	0.000226316	0.000199425	0.000179447	0.00016713	0.00044016	0.000226316	0.000199919
4237	0.000187191	0.000172911	0.000435596	0.00023582	0.00019891	0.000186523	0.000173656	0.000458875	0.00023582	0.000199371
4238	0.000189937	0.000175331	0.000444027	0.000240418	0.00019432	0.000189534	0.000176393	0.000467678	0.000240418	0.000194571
4239	0.000188644	0.000174208	0.000439778	0.000238674	0.000201648	0.000188344	0.000175359	0.000463198	0.000238674	0.00020045
4240	0.000204455	0.000188674	0.000478986	0.000259471	0.000194416	0.000204207	0.000190023	0.000504452	0.000259471	0.000192856
4241	0.000214425	0.000197845	0.000502861	0.000272138	0.000189682	0.000214108	0.000199203	0.000529601	0.000272138	0.000187873
4242	0.000210818	0.000195199	0.000482536	0.000262126	0.000187268	0.000209457	0.000195327	0.000508539	0.000262126	0.000185312
4243	0.00020557	0.000191457	0.000451073	0.000246326	0.000155864	0.000202352	0.000189424	0.000475993	0.000246326	0.000155927
4244	0.000196435	0.000183669	0.000418519	0.000229531	0.000124352	0.000192198	0.000180394	0.00044204	0.000229531	0.000127095
4245	0.000187363	0.0001755	0.000393731	0.000215979	0.000105384	0.000182679	0.000171658	0.000415969	0.000215979	0.000108991
4246	0.000171002	0.000160725	0.00034978	0.000192304	8.72669E-05	0.000165857	0.000156236	0.000369503	0.000192304	9.24291E-05
4247	0.000150279	0.000141065	0.000310563	0.000170391	8.4143E-05	0.000146037	0.000137444	0.00032792	0.000170391	8.91516E-05

4248	0.000134698	0.000126004	0.000285944	0.000156595	8.13318E-05	0.000131774	0.000123751	0.000301599	0.000156595	8.61872E-05
4249	0.000114474	0.000106696	0.000249778	0.000136306	8.35427E-05	0.000112678	0.000105568	0.000263164	0.000136306	8.84893E-05
4250	0.000107042	9.95769E-05	0.000236907	0.000129302	8.54345E-05	0.000105818	9.9032E-05	0.000249445	0.000129302	9.04615E-05
4251	0.000101953	9.48344E-05	0.000225792	0.000123507	9.04833E-05	0.000100942	9.4481E-05	0.00023769	0.000123507	9.57398E-05
4252	0.000101372	9.43171E-05	0.000224092	0.000122873	9.79602E-05	0.00010045	9.40517E-05	0.000235886	0.000122873	0.000103558
4253	0.000109587	0.000101947	0.000242503	0.000132833	0.000105767	0.000108544	0.00010161	0.000255308	0.000132833	0.000111733
4254	0.000121225	0.000112802	0.000267736	0.000146454	0.000110652	0.000119886	0.000112229	0.000281961	0.000146454	0.000116252
4255	0.000134458	0.00012507	0.000297763	0.00016259	0.000205534	0.000132871	0.000124326	0.000313735	0.00016259	0.000205067
4256	0.000134416	0.000124638	0.000304521	0.000166294	0.000207742	0.000133548	0.000124693	0.000320971	0.000166294	0.000206783
4257	0.000137313	0.000127414	0.000309515	0.000169211	0.000209803	0.000136312	0.000127337	0.000326277	0.000169211	0.000208972
4258	0.000147803	0.000137073	0.000334471	0.000182401	0.000211133	0.000146686	0.000136959	0.000352575	0.000182401	0.000210385
4259	0.000162621	0.000150631	0.000371187	0.00020173	0.000213477	0.000161481	0.000150627	0.000391221	0.00020173	0.000212856
4260	0.000180232	0.000166576	0.000417786	0.000226316	0.000199425	0.000179447	0.00016713	0.00044016	0.000226316	0.000199919
4261	0.000187191	0.000172911	0.000435596	0.00023582	0.00019891	0.000186523	0.000173656	0.000458875	0.00023582	0.000199371
4262	0.000189937	0.000175331	0.000444027	0.000240418	0.00019432	0.000189534	0.000176393	0.000467678	0.000240418	0.000194571
4263	0.000188644	0.000174208	0.000439778	0.000238674	0.000201648	0.000188344	0.000175359	0.000463198	0.000238674	0.00020045
4264	0.000204455	0.000188674	0.000478986	0.000259471	0.000194416	0.000204207	0.000190023	0.000504452	0.000259471	0.000192856
4265	0.000214425	0.000197845	0.000502861	0.000272138	0.000189682	0.000214108	0.000199203	0.000529601	0.000272138	0.000187873
4266	0.000210818	0.000195199	0.000482536	0.000262126	0.000187268	0.000209457	0.000195327	0.000508539	0.000262126	0.000185312
4267	0.00020557	0.000191457	0.000451073	0.000246326	0.000155864	0.000202352	0.000189424	0.000475993	0.000246326	0.000155927
4268	0.000196435	0.000183669	0.000418519	0.000229531	0.000124352	0.000192198	0.000180394	0.00044204	0.000229531	0.000127095
4269	0.000187363	0.0001755	0.000393731	0.000215979	0.000105384	0.000182679	0.000171658	0.000415969	0.000215979	0.000108991
4270	0.000171002	0.000160725	0.00034978	0.000192304	8.72669E-05	0.000165857	0.000156236	0.000369503	0.000192304	9.24291E-05
4271	0.000150279	0.000141065	0.000310563	0.000170391	8.4143E-05	0.000146037	0.000137444	0.00032792	0.000170391	8.91516E-05
4272	0.000134698	0.000126004	0.000285944	0.000156595	8.13318E-05	0.000131774	0.000123751	0.000301599	0.000156595	8.61872E-05
4273	0.000114265	0.00010651	0.00024917	0.000136008	8.3558E-05	0.000112469	0.00010538	0.000262524	0.000136008	8.85045E-05
4274	0.00010695	9.94962E-05	0.000236619	0.000129166	8.54856E-05	0.000105726	9.89505E-05	0.000249142	0.000129166	9.05136E-05
4275	0.000101886	9.47749E-05	0.000225591	0.000123409	9.05797E-05	0.000100874	9.44206E-05	0.000237478	0.000123409	9.58389E-05
4276	0.000101408	9.43524E-05	0.000224152	0.000122916	9.80299E-05	0.000100488	9.40887E-05	0.000235949	0.000122916	0.00010363
4277	0.000109721	0.00010207	0.000242812	0.000133007	0.00010589	0.00010868	0.000101737	0.000255632	0.000133007	0.00011186
4278	0.000121634	0.000113172	0.000268829	0.000147018	0.000110799	0.000120299	0.000112608	0.000283109	0.000147018	0.000116402
4279	0.000132984	0.0001235	0.00029796	0.000162573	0.000205627	0.000131744	0.000123136	0.000313954	0.000162573	0.000205159
4280	0.000134525	0.000124736	0.000304816	0.000166445	0.000207829	0.000133658	0.000124794	0.000321281	0.000166445	0.000206866
4281	0.00013724	0.00012735	0.000309282	0.000169103	0.000209851	0.000136239	0.000127272	0.000326033	0.000169103	0.000209015
4282	0.000146818	0.00013618	0.000331882	0.000181052	0.00021112	0.000145691	0.000136045	0.000349854	0.000181052	0.000210363
4283	0.000161009	0.000149166	0.000367021	0.000199535	0.000213322	0.00015985	0.000149126	0.000386842	0.000199535	0.000212686
4284	0.000178435	0.000164937	0.000413249	0.000223892	0.000199266	0.000177626	0.000165448	0.000435391	0.000223892	0.000199744
4285	0.00018552	0.000171385	0.000431415	0.000233574	0.000198801	0.000184829	0.000172089	0.00045448	0.000233574	0.000199249
4286	0.000186962	0.000172618	0.000436494	0.0002364	0.00019426	0.00018652	0.000173611	0.00045976	0.0002364	0.0001945
4287	0.000185692	0.000171514	0.000432334	0.000234693	0.000201639	0.000185353	0.000172595	0.000455374	0.000234693	0.000200431
4288	0.000201219	0.00018572	0.000470851	0.000255112	0.00019423	0.000200927	0.000186991	0.0004959	0.000255112	0.000192653
4289	0.000210465	0.000194235	0.000492796	0.000266781	0.000189489	0.000210097	0.000195502	0.00051902	0.000266781	0.000187662
4290	0.000207072	0.000191785	0.000473003	0.000257056	0.000187011	0.000205662	0.000191826	0.000498519	0.000257056	0.000185036
4291	0.000202299	0.000188478	0.000442716	0.000241892	0.00015564	0.000199039	0.00018637	0.000467208	0.000241892	0.000155686
4292	0.000193659	0.000181141	0.000411432	0.000225769	0.000124146	0.000189387	0.000177802	0.00043459	0.000225769	0.000126872
4293	0.000186513	0.000174953	0.000387617	0.000212851	0.000105263	0.000181453	0.000170677	0.00040953	0.000212851	0.000108859
4294	0.000169211	0.000159095	0.000345172	0.00018987	8.71384E-05	0.000164045	0.000154567	0.000364659	0.00018987	9.22893E-05
4295	0.000148572	0.000139516	0.00030612	0.000168061	8.40567E-05	0.000144312	0.000135858	0.00032325	0.000168061	8.90553E-05
4296	0.000133334	0.000124756	0.000282553	0.000154765	8.11957E-05	0.00013039	0.000122469	0.000298034	0.000154765	8.604E-05
4297	0.000114265	0.00010651	0.00024917	0.000136008	8.3558E-05	0.000112469	0.00010538	0.000262524	0.000136008	8.85045E-05
4298	0.00010695	9.94962E-05	0.000236619	0.000129166	8.54856E-05	0.000105726	9.89505E-05	0.000249142	0.000129166	9.05136E-05
4299	0.000101886	9.47749E-05	0.000225591	0.000123409	9.05797E-05	0.000100874	9.44206E-05	0.000237478	0.000123409	9.58389E-05
4300	0.000101408	9.43524E-05	0.000224152	0.000122916	9.80299E-05	0.000100488	9.40887E-05	0.000235949	0.000122916	0.00010363
4301	0.000109721	0.00010207	0.000242812	0.000133007	0.00010589	0.00010868	0.000101737	0.000255632	0.000133007	0.00011186
4302	0.000121634	0.000113172	0.000268829	0.000147018	0.000110799	0.000120299	0.000112608	0.000283109	0.000147018	0.000116402
4303	0.000132984	0.0001235	0.00029796	0.000162573	0.000205627	0.000131744	0.000123136	0.000313954	0.000162573	0.000205159
4304	0.000134525	0.000124736	0.000304816	0.000166445	0.000207829	0.000133658	0.000124794	0.000321281	0.000166445	0.000206866
4305	0.00013724	0.00012735	0.000309282	0.000169103	0.000209851	0.000136239	0.000127272	0.000326033	0.000169103	0.000209015
4306	0.000146818	0.00013618	0.000331882	0.000181052	0.00021112	0.000145691	0.000136045	0.000349854	0.000181052	0.000210363
4307	0.000161009	0.000149166	0.000367021	0.000199535	0.000213322	0.00015985	0.000149126	0.000386842	0.000199535	0.000212686
4308	0.000178435	0.000164937	0.000413249	0.000223892	0.000199266	0.000177626	0.000165448	0.000435391	0.000223892	0.000199744
4309	0.00018552	0.000171385	0.000431415	0.000233574	0.000198801	0.000184829	0.000172089	0.00045448	0.000233574	0.000199249
4310	0.000186962	0.000172618	0.000436494	0.0002364	0.00019426	0.00018652	0.000173611	0.00045976	0.0002364	0.0001945
4311	0.000185692	0.000171514	0.000432334	0.000234693	0.000201639	0.000185353	0.000172595	0.000455374	0.000234693	0.000200431
4312	0.000201219	0.00018572	0.000470851	0.000255112	0.00019423	0.000200927	0.000186991	0.0004959	0.000255112	0.000192653
4313	0.000210465	0.000194235	0.000492796	0.000266781	0.000189489	0.000210097	0.000195502	0.00051902	0.000266781	0.000187662
4314	0.000207072	0.000191785	0.000473003	0.000257056	0.000187011	0.000205662	0.000191826	0.000498519	0.000257056	0.000185036
4315	0.000202299	0.000188478	0.000442716	0.000241892	0.00015564	0.000199039	0.00018637	0.000467208	0.000241892	0.000155686
4316	0.000193659	0.000181141	0.000411432	0.000225769	0.000124146	0.000189387	0.000177802	0.00043459	0.000225769	0.000126872
4317	0.000186513	0.000174953	0.000387617	0.000212851	0.000105263	0.000181453	0.000170677	0.00040953	0.000212851	0.000108859
4318	0.000169211	0.000159095	0.000345172	0.00018987	8.71384E-05	0.000164045	0.000154567	0.000364659	0.00018987	9.22893E-05
4319	0.000148572	0.000139516	0.00030612	0.000168061	8.40567E-05	0.000144312	0.000135858	0.00032325	0.000168061	8.90553E-05
4320	0.000133334	0.000124756	0.000282553	0.000154765	8.11957E-05	0.00013039	0.000122469	0.000298034	0.000154765	8.604E-05
4321	0.000114265	0.00010651	0.00024917	0.000136008	8.3558E-05	0.000112469	0.00010538	0.000262524	0.000136008	8.85045E-05
4322	0.00010695	9.94962E-05	0.000236619	0.000129166	8.54856E-05	0.000105726	9.89505E-05	0.000249142	0.000129166	9.05136E-05
4323	0.000101886	9.47749E-05	0.000225591	0.000123409	9.05797E-05	0.000100874	9.44206E-05	0.000237478	0.000123409	9.58389E-05

4324	0.000101408	9.43524E-05	0.000224152	0.000122916	9.80299E-05	0.000100488	9.40887E-05	0.000235949	0.000122916	0.00010363
4325	0.000109721	0.00010207	0.000242812	0.000133007	0.00010589	0.00010868	0.000101737	0.000255632	0.000133007	0.00011186
4326	0.000121634	0.000113172	0.000268829	0.000147018	0.000110799	0.000120299	0.000112608	0.000283109	0.000147018	0.000116402
4327	0.000132984	0.0001235	0.00029796	0.000162573	0.000205627	0.000131744	0.000123136	0.000313954	0.000162573	0.000205159
4328	0.000134525	0.000124736	0.000304816	0.000166445	0.000207829	0.000133658	0.000124794	0.000321281	0.000166445	0.000206866
4329	0.00013724	0.00012735	0.000309282	0.000169103	0.000209851	0.000136239	0.000127272	0.000326033	0.000169103	0.000209015
4330	0.000146818	0.00013618	0.000331882	0.000181052	0.00021112	0.000145691	0.000136045	0.000349854	0.000181052	0.000210363
4331	0.000161009	0.000149166	0.000367021	0.000199535	0.000213322	0.00015985	0.000149126	0.000386842	0.000199535	0.000212686
4332	0.000178435	0.000164937	0.000413249	0.000223892	0.000199266	0.000177626	0.000165448	0.000435391	0.000223892	0.000199744
4333	0.00018552	0.000171385	0.000431415	0.000233574	0.000198801	0.000184829	0.000172089	0.00045448	0.000233574	0.000199249
4334	0.000186962	0.000172618	0.000436494	0.0002364	0.00019426	0.00018652	0.000173611	0.00045976	0.0002364	0.0001945
4335	0.000185692	0.000171514	0.000432334	0.000234693	0.000201639	0.000185353	0.000172595	0.000455374	0.000234693	0.000200431
4336	0.000201219	0.00018572	0.000470851	0.000255112	0.00019423	0.000200927	0.000186991	0.0004959	0.000255112	0.000192653
4337	0.000210465	0.000194235	0.000492796	0.000266781	0.000189489	0.000210097	0.000195502	0.00051902	0.000266781	0.000187662
4338	0.000207072	0.000191785	0.000473003	0.000257056	0.000187011	0.000205662	0.000191826	0.000498519	0.000257056	0.000185036
4339	0.000202299	0.000188478	0.000442716	0.000241892	0.00015564	0.000199039	0.00018637	0.000467208	0.000241892	0.000155686
4340	0.000193659	0.000181141	0.000411432	0.000225769	0.000124146	0.000189387	0.000177802	0.00043459	0.000225769	0.000126872
4341	0.000186513	0.000174953	0.000387617	0.000212851	0.000105263	0.000181453	0.000170677	0.00040953	0.000212851	0.000108859
4342	0.000169211	0.000159095	0.000345172	0.00018987	8.71384E-05	0.000164045	0.000154567	0.000364659	0.00018987	9.22893E-05
4343	0.000148572	0.000139516	0.00030612	0.000168061	8.40567E-05	0.000144312	0.000135858	0.00032325	0.000168061	8.90553E-05
4344	0.000133334	0.000124756	0.000282553	0.000154765	8.11957E-05	0.00013039	0.000122469	0.000298034	0.000154765	8.604E-05
4345	0.000114265	0.00010651	0.00024917	0.000136008	8.3558E-05	0.000112469	0.00010538	0.000262524	0.000136008	8.85045E-05
4346	0.00010695	9.94962E-05	0.000236619	0.000129166	8.54856E-05	0.000105726	9.89505E-05	0.000249142	0.000129166	9.05136E-05
4347	0.000101886	9.47749E-05	0.000225591	0.000123409	9.05797E-05	0.000100874	9.44206E-05	0.000237478	0.000123409	9.58389E-05
4348	0.000101408	9.43524E-05	0.000224152	0.000122916	9.80299E-05	0.000100488	9.40887E-05	0.000235949	0.000122916	0.00010363
4349	0.000109721	0.00010207	0.000242812	0.000133007	0.00010589	0.00010868	0.000101737	0.000255632	0.000133007	0.00011186
4350	0.000121634	0.000113172	0.000268829	0.000147018	0.000110799	0.000120299	0.000112608	0.000283109	0.000147018	0.000116402
4351	0.000132984	0.0001235	0.00029796	0.000162573	0.000205627	0.000131744	0.000123136	0.000313954	0.000162573	0.000205159
4352	0.000134525	0.000124736	0.000304816	0.000166445	0.000207829	0.000133658	0.000124794	0.000321281	0.000166445	0.000206866
4353	0.00013724	0.00012735	0.000309282	0.000169103	0.000209851	0.000136239	0.000127272	0.000326033	0.000169103	0.000209015
4354	0.000146818	0.00013618	0.000331882	0.000181052	0.00021112	0.000145691	0.000136045	0.000349854	0.000181052	0.000210363
4355	0.000161009	0.000149166	0.000367021	0.000199535	0.000213322	0.00015985	0.000149126	0.000386842	0.000199535	0.000212686
4356	0.000178435	0.000164937	0.000413249	0.000223892	0.000199266	0.000177626	0.000165448	0.000435391	0.000223892	0.000199744
4357	0.00018552	0.000171385	0.000431415	0.000233574	0.000198801	0.000184829	0.000172089	0.00045448	0.000233574	0.000199249
4358	0.000186962	0.000172618	0.000436494	0.0002364	0.00019426	0.00018652	0.000173611	0.00045976	0.0002364	0.0001945
4359	0.000185692	0.000171514	0.000432334	0.000234693	0.000201639	0.000185353	0.000172595	0.000455374	0.000234693	0.000200431
4360	0.000201219	0.00018572	0.000470851	0.000255112	0.00019423	0.000200927	0.000186991	0.0004959	0.000255112	0.000192653
4361	0.000210465	0.000194235	0.000492796	0.000266781	0.000189489	0.000210097	0.000195502	0.00051902	0.000266781	0.000187662
4362	0.000207072	0.000191785	0.000473003	0.000257056	0.000187011	0.000205662	0.000191826	0.000498519	0.000257056	0.000185036
4363	0.000202299	0.000188478	0.000442716	0.000241892	0.00015564	0.000199039	0.00018637	0.000467208	0.000241892	0.000155686
4364	0.000193659	0.000181141	0.000411432	0.000225769	0.000124146	0.000189387	0.000177802	0.00043459	0.000225769	0.000126872
4365	0.000186513	0.000174953	0.000387617	0.000212851	0.000105263	0.000181453	0.000170677	0.00040953	0.000212851	0.000108859
4366	0.000169211	0.000159095	0.000345172	0.00018987	8.71384E-05	0.000164045	0.000154567	0.000364659	0.00018987	9.22893E-05
4367	0.000148572	0.000139516	0.00030612	0.000168061	8.40567E-05	0.000144312	0.000135858	0.00032325	0.000168061	8.90553E-05
4368	0.000133334	0.000124756	0.000282553	0.000154765	8.11957E-05	0.00013039	0.000122469	0.000298034	0.000154765	8.604E-05
4369	0.000134266	0.000124905	0.000297116	0.000162485	8.74521E-05	0.000132817	0.000124307	0.000312935	0.000162485	9.26287E-05
4370	0.000122563	0.000113896	0.000273338	0.000149693	8.94201E-05	0.000121631	0.000113783	0.000287752	0.000149693	9.46789E-05
4371	0.000116485	0.000108202	0.000260583	0.000142734	9.44004E-05	0.000115727	0.000108237	0.000274269	0.000142734	9.98893E-05
4372	0.000117381	0.000108976	0.00026359	0.00014429	0.000101318	0.000116703	0.000109111	0.000277409	0.00014429	0.000107141
4373	0.000121485	0.000112856	0.000271587	0.000148695	0.000109001	0.00012063	0.000112823	0.000285884	0.000148695	0.000115186
4374	0.000128515	0.000119617	0.000283297	0.000155721	0.000113866	0.000127361	0.000119284	0.000298329	0.000155721	0.000119662
4375	0.000142244	0.000132182	0.000317284	0.000174255	0.000209196	0.000141252	0.000132132	0.000334284	0.000174255	0.000208949
4376	0.00015592	0.000144451	0.000355427	0.000194631	0.000211073	0.000155444	0.000145095	0.000374496	0.000194631	0.000210313
4377	0.000170174	0.00015757	0.000389442	0.000212943	0.000212736	0.000169708	0.000158341	0.000410307	0.000212943	0.000212077
4378	0.000185013	0.000171238	0.000424642	0.000231853	0.000213758	0.000184511	0.000172092	0.000447376	0.000231853	0.000213161
4379	0.000198682	0.000183775	0.000458004	0.000249541	0.000214009	0.000198156	0.000184723	0.000482498	0.000249541	0.000213437
4380	0.000211397	0.000195274	0.000491869	0.000267447	0.000199016	0.000211171	0.000196673	0.000518053	0.000267447	0.00019952
4381	0.000224311	0.000207051	0.000524555	0.000284954	0.000198361	0.000224287	0.000208785	0.000552407	0.000284954	0.000198828
4382	0.000235892	0.000217538	0.000555191	0.000301454	0.000195205	0.000236255	0.0002198	0.000584552	0.000301454	0.000195497
4383	0.000249359	0.000229723	0.00059095	0.000320175	0.000204936	0.000249942	0.000232359	0.000622116	0.000320175	0.000203905
4384	0.000260175	0.000239638	0.000617435	0.00033421	0.000199339	0.000260746	0.000242356	0.000649995	0.00033421	0.000198025
4385	0.00026861	0.000247438	0.000636901	0.000344698	0.000195632	0.000269107	0.000250142	0.000670512	0.000344698	0.00019411
4386	0.000264672	0.000244425	0.000616899	0.000334472	0.00019373	0.000264085	0.000245863	0.000649786	0.000334472	0.00019208
4387	0.000255623	0.000237126	0.000577384	0.000313853	0.000162475	0.000253081	0.000236277	0.000608769	0.000313853	0.000162852
4388	0.000240705	0.000224007	0.000531172	0.000289443	0.00013164	0.000237037	0.000221757	0.000560455	0.000289443	0.000134729
4389	0.000224946	0.000210076	0.000483635	0.000264506	0.000112756	0.000220434	0.000206732	0.000510467	0.000264506	0.000116716
4390	0.000203255	0.000190234	0.000429751	0.000235532	9.5851E-05	0.000198589	0.000186542	0.000453573	0.000235532	0.000101416
4391	0.000174962	0.000163664	0.0003715	0.00020342	9.20383E-05	0.000171095	0.000160659	0.000391981	0.00020342	9.74134E-05
4392	0.000151148	0.000141074	0.000326394	0.000178575	8.95971E-05	0.000148478	0.000139235	0.000344124	0.000178575	9.48511E-05
4393	0.000134838	0.000125424	0.000298609	0.000163267	8.70793E-05	0.000133395	0.000124839	0.000314504	0.000163267	9.2237E-05
4394	0.000122693	0.000114014	0.000273674	0.00014987	8.93716E-05	0.000121763	0.000113904	0.000288105	0.00014987	9.46285E-05
4395	0.000116531	0.000108246	0.000260652	0.000142787	9.43528E-05	0.000115775	0.000108283	0.000274341	0.000142787	9.98401E-05
4396	0.000117853	0.000109408	0.00026475	0.00014492	0.000101221	0.000117182	0.000109555	0.000278628	0.00014492	0.00010704
4397	0.000121942	0.000113278	0.000272651	0.000149294	0.000109005	0.000121096	0.000113258	0.000287003	0.000149294	0.000115191
4398	0.000129202	0.000120248	0.000284953	0.000156632	0.000113929	0.00012806	0.000119933	0.00030007	0.000156632	0.000119727
4399	0.000144521	0.000134483	0.000319151	0.000175364	0.000209207	0.000143192	0.000134072	0.000336235	0.000175364	0.000208962

4400	0.000155789	0.000144335	0.000355033	0.000194442	0.000211077	0.000155313	0.000144978	0.000374082	0.000194442	0.000210319
4401	0.000169378	0.000156849	0.00038733	0.000211849	0.00021275	0.000168904	0.000157604	0.000408088	0.000211849	0.000212094
4402	0.000184577	0.000170842	0.000423508	0.000231259	0.000213714	0.00018407	0.000171687	0.000446185	0.000231259	0.000213117
4403	0.000199429	0.000184459	0.000459839	0.000250539	0.000213932	0.000198914	0.000185425	0.000484427	0.000250539	0.000213359
4404	0.000212305	0.000196098	0.00049425	0.00026869	0.000198864	0.000212089	0.000197516	0.000520556	0.00026869	0.000199362
4405	0.000225449	0.000208086	0.000527495	0.000286503	0.000198149	0.000225438	0.000209845	0.000555496	0.000286503	0.000198608
4406	0.000237944	0.000219401	0.00056051	0.00030425	0.000195037	0.00023833	0.000221709	0.000590143	0.00030425	0.000195325
4407	0.0002517	0.000231854	0.000596949	0.000323352	0.000204965	0.000252312	0.000234542	0.000628422	0.000323352	0.000203941
4408	0.000262813	0.000242038	0.000624211	0.000337793	0.00019954	0.000263416	0.000244816	0.000657118	0.000337793	0.000198242
4409	0.000272672	0.000251138	0.000647277	0.000350204	0.000195819	0.00027322	0.000253935	0.000681419	0.000350204	0.000194314
4410	0.000268868	0.000248252	0.000627498	0.000340135	0.000193825	0.000268337	0.000249789	0.000660927	0.000340135	0.000192188
4411	0.000260184	0.000241288	0.000588889	0.000320005	0.000162524	0.000257704	0.000240546	0.000620863	0.000320005	0.000162913
4412	0.000244895	0.00022783	0.00054176	0.000295099	0.000131675	0.000241284	0.000225679	0.000571585	0.000295099	0.000134776
4413	0.000227072	0.000211786	0.000492976	0.000269357	0.000112729	0.000222953	0.000208905	0.000520298	0.000269357	0.000116695
4414	0.000206597	0.000193284	0.000438188	0.000240042	9.59213E-05	0.000201976	0.000189671	0.000462441	0.000240042	0.000101497
4415	0.000177415	0.000165906	0.00037762	0.000206715	9.21897E-05	0.000173583	0.000162961	0.000398415	0.000206715	9.75786E-05
4416	0.000153552	0.000143269	0.000332434	0.000181813	8.98264E-05	0.000150915	0.000141487	0.000350473	0.000181813	9.50978E-05
4417	0.000134838	0.000125424	0.000298609	0.000163267	8.70793E-05	0.000133395	0.000124839	0.000314504	0.000163267	9.2237E-05
4418	0.000122693	0.000114014	0.000273674	0.00014987	8.93716E-05	0.000121763	0.000113904	0.000288105	0.00014987	9.46285E-05
4419	0.000116531	0.000108246	0.000260652	0.000142787	9.43528E-05	0.000115775	0.000108283	0.000274341	0.000142787	9.98401E-05
4420	0.000117853	0.000109408	0.00026475	0.00014492	0.000101221	0.000117182	0.000109555	0.000278628	0.00014492	0.00010704
4421	0.000121942	0.000113278	0.000272651	0.000149294	0.000109005	0.000121096	0.000113258	0.000287003	0.000149294	0.000115191
4422	0.000129202	0.000120248	0.000284953	0.000156632	0.000113929	0.00012806	0.000119933	0.00030007	0.000156632	0.000119727
4423	0.000144521	0.000134483	0.000319151	0.000175364	0.000209207	0.000143192	0.000134072	0.000336235	0.000175364	0.000208962
4424	0.000155789	0.000144335	0.000355033	0.000194442	0.000211077	0.000155313	0.000144978	0.000374082	0.000194442	0.000210319
4425	0.000169378	0.000156849	0.00038733	0.000211849	0.00021275	0.000168904	0.000157604	0.000408088	0.000211849	0.000212094
4426	0.000184577	0.000170842	0.000423508	0.000231259	0.000213714	0.00018407	0.000171687	0.000446185	0.000231259	0.000213117
4427	0.000199429	0.000184459	0.000459839	0.000250539	0.000213932	0.000198914	0.000185425	0.000484427	0.000250539	0.000213359
4428	0.000212305	0.000196098	0.00049425	0.00026869	0.000198864	0.000212089	0.000197516	0.000520556	0.00026869	0.000199362
4429	0.000225449	0.000208086	0.000527495	0.000286503	0.000198149	0.000225438	0.000209845	0.000555496	0.000286503	0.000198608
4430	0.000237944	0.000219401	0.00056051	0.00030425	0.000195037	0.00023833	0.000221709	0.000590143	0.00030425	0.000195325
4431	0.0002517	0.000231854	0.000596949	0.000323352	0.000204965	0.000252312	0.000234542	0.000628422	0.000323352	0.000203941
4432	0.000262813	0.000242038	0.000624211	0.000337793	0.00019954	0.000263416	0.000244816	0.000657118	0.000337793	0.000198242
4433	0.000272672	0.000251138	0.000647277	0.000350204	0.000195819	0.00027322	0.000253935	0.000681419	0.000350204	0.000194314
4434	0.000268868	0.000248252	0.000627498	0.000340135	0.000193825	0.000268337	0.000249789	0.000660927	0.000340135	0.000192188
4435	0.000260184	0.000241288	0.000588889	0.000320005	0.000162524	0.000257704	0.000240546	0.000620863	0.000320005	0.000162913
4436	0.000244895	0.00022783	0.00054176	0.000295099	0.000131675	0.000241284	0.000225679	0.000571585	0.000295099	0.000134776
4437	0.000227072	0.000211786	0.000492976	0.000269357	0.000112729	0.000222953	0.000208905	0.000520298	0.000269357	0.000116695
4438	0.000206597	0.000193284	0.000438188	0.000240042	9.59213E-05	0.000201976	0.000189671	0.000462441	0.000240042	0.000101497
4439	0.000177415	0.000165906	0.00037762	0.000206715	9.21897E-05	0.000173583	0.000162961	0.000398415	0.000206715	9.75786E-05
4440	0.000153552	0.000143269	0.000332434	0.000181813	8.98264E-05	0.000150915	0.000141487	0.000350473	0.000181813	9.50978E-05
4441	0.000134838	0.000125424	0.000298609	0.000163267	8.70793E-05	0.000133395	0.000124839	0.000314504	0.000163267	9.2237E-05
4442	0.000122693	0.000114014	0.000273674	0.00014987	8.93716E-05	0.000121763	0.000113904	0.000288105	0.00014987	9.46285E-05
4443	0.000116531	0.000108246	0.000260652	0.000142787	9.43528E-05	0.000115775	0.000108283	0.000274341	0.000142787	9.98401E-05
4444	0.000117853	0.000109408	0.00026475	0.00014492	0.000101221	0.000117182	0.000109555	0.000278628	0.00014492	0.00010704
4445	0.000121942	0.000113278	0.000272651	0.000149294	0.000109005	0.000121096	0.000113258	0.000287003	0.000149294	0.000115191
4446	0.000129202	0.000120248	0.000284953	0.000156632	0.000113929	0.00012806	0.000119933	0.00030007	0.000156632	0.000119727
4447	0.000144521	0.000134483	0.000319151	0.000175364	0.000209207	0.000143192	0.000134072	0.000336235	0.000175364	0.000208962
4448	0.000155789	0.000144335	0.000355033	0.000194442	0.000211077	0.000155313	0.000144978	0.000374082	0.000194442	0.000210319
4449	0.000169378	0.000156849	0.00038733	0.000211849	0.00021275	0.000168904	0.000157604	0.000408088	0.000211849	0.000212094
4450	0.000184577	0.000170842	0.000423508	0.000231259	0.000213714	0.00018407	0.000171687	0.000446185	0.000231259	0.000213117
4451	0.000199429	0.000184459	0.000459839	0.000250539	0.000213932	0.000198914	0.000185425	0.000484427	0.000250539	0.000213359
4452	0.000212305	0.000196098	0.00049425	0.00026869	0.000198864	0.000212089	0.000197516	0.000520556	0.00026869	0.000199362
4453	0.000225449	0.000208086	0.000527495	0.000286503	0.000198149	0.000225438	0.000209845	0.000555496	0.000286503	0.000198608
4454	0.000237944	0.000219401	0.00056051	0.00030425	0.000195037	0.00023833	0.000221709	0.000590143	0.00030425	0.000195325
4455	0.0002517	0.000231854	0.000596949	0.000323352	0.000204965	0.000252312	0.000234542	0.000628422	0.000323352	0.000203941
4456	0.000262813	0.000242038	0.000624211	0.000337793	0.00019954	0.000263416	0.000244816	0.000657118	0.000337793	0.000198242
4457	0.000272672	0.000251138	0.000647277	0.000350204	0.000195819	0.00027322	0.000253935	0.000681419	0.000350204	0.000194314
4458	0.000268868	0.000248252	0.000627498	0.000340135	0.000193825	0.000268337	0.000249789	0.000660927	0.000340135	0.000192188
4459	0.000260184	0.000241288	0.000588889	0.000320005	0.000162524	0.000257704	0.000240546	0.000620863	0.000320005	0.000162913
4460	0.000244895	0.00022783	0.00054176	0.000295099	0.000131675	0.000241284	0.000225679	0.000571585	0.000295099	0.000134776
4461	0.000227072	0.000211786	0.000492976	0.000269357	0.000112729	0.000222953	0.000208905	0.000520298	0.000269357	0.000116695
4462	0.000206597	0.000193284	0.000438188	0.000240042	9.59213E-05	0.000201976	0.000189671	0.000462441	0.000240042	0.000101497
4463	0.000177415	0.000165906	0.00037762	0.000206715	9.21897E-05	0.000173583	0.000162961	0.000398415	0.000206715	9.75786E-05
4464	0.000153552	0.000143269	0.000332434	0.000181813	8.98264E-05	0.000150915	0.000141487	0.000350473	0.000181813	9.50978E-05
4465	0.000134266	0.000124905	0.000297116	0.000162485	8.74521E-05	0.000132817	0.000124307	0.000312935	0.000162485	9.26287E-05
4466	0.000122563	0.000113896	0.000273338	0.000149693	8.94201E-05	0.000121631	0.000113783	0.000287752	0.000149693	9.46789E-05
4467	0.000116485	0.000108202	0.000260583	0.000142734	9.44004E-05	0.000115727	0.000108237	0.000274269	0.000142734	9.98893E-05
4468	0.000117381	0.000108976	0.00026359	0.00014429	0.000101318	0.000116703	0.000109111	0.000277409	0.00014429	0.000107141
4469	0.000121485	0.000112856	0.000271587	0.000148695	0.000109001	0.00012063	0.000112823	0.000285884	0.000148695	0.000115186
4470	0.000128515	0.000119617	0.000283297	0.000155721	0.000113866	0.000127361	0.000119284	0.000298329	0.000155721	0.000119662
4471	0.000142244	0.000132182	0.000317284	0.000174255	0.000209196	0.000141252	0.000132132	0.000334284	0.000174255	0.000208949
4472	0.00015592	0.000144451	0.000355427	0.000194631	0.000211073	0.000155444	0.000145095	0.000374496	0.000194631	0.000210313
4473	0.000170174	0.00015757	0.000389442	0.000212943	0.000212736	0.000169708	0.000158341	0.000410307	0.000212943	0.000212077
4474	0.000185013	0.000171238	0.000424642	0.000231853	0.000213758	0.000184511	0.000172092	0.000447376	0.000231853	0.000213161
4475	0.000198682	0.000183775	0.000458004	0.000249541	0.000214009	0.000198156	0.000184723	0.000482498	0.000249541	0.000213437

4476	0.000211397	0.000195274	0.000491869	0.000267447	0.000199016	0.000211171	0.000196673	0.000518053	0.000267447	0.00019952
4477	0.000224311	0.000207051	0.000524555	0.000284954	0.000198361	0.000224287	0.000208785	0.000552407	0.000284954	0.000198828
4478	0.000235892	0.000217538	0.000555191	0.000301454	0.000195205	0.000236255	0.0002198	0.000584552	0.000301454	0.000195497
4479	0.000249359	0.000229723	0.00059095	0.000320175	0.000204936	0.000249942	0.000232359	0.000622116	0.000320175	0.000203905
4480	0.000260175	0.000239638	0.000617435	0.00033421	0.000199339	0.000260746	0.000242356	0.000649995	0.00033421	0.000198025
4481	0.00026861	0.000247438	0.000636901	0.000344698	0.000195632	0.000269107	0.000250142	0.000670512	0.000344698	0.00019411
4482	0.000264672	0.000244425	0.000616899	0.000334472	0.00019373	0.000264085	0.000245863	0.000649786	0.000334472	0.00019208
4483	0.000255623	0.000237126	0.000577384	0.000313853	0.000162475	0.000253081	0.000236277	0.000608769	0.000313853	0.000162852
4484	0.000240705	0.000224007	0.000531172	0.000289443	0.00013164	0.000237037	0.000221757	0.000560455	0.000289443	0.000134729
4485	0.000224946	0.000210076	0.000483635	0.000264506	0.000112756	0.000220434	0.000206732	0.000510467	0.000264506	0.000116716
4486	0.000203255	0.000190234	0.000429751	0.000235532	9.5851E-05	0.000198589	0.000186542	0.000453573	0.000235532	0.000101416
4487	0.000174962	0.000163664	0.0003715	0.00020342	9.20383E-05	0.000171095	0.000160659	0.000391981	0.00020342	9.74134E-05
4488	0.000151148	0.000141074	0.000326394	0.000178575	8.95971E-05	0.000148478	0.000139235	0.000344124	0.000178575	9.48511E-05
4489	0.000134266	0.000124905	0.000297116	0.000162485	8.74521E-05	0.000132817	0.000124307	0.000312935	0.000162485	9.26287E-05
4490	0.000122563	0.000113896	0.000273338	0.000149693	8.94201E-05	0.000121631	0.000113783	0.000287752	0.000149693	9.46789E-05
4491	0.000116485	0.000108202	0.000260583	0.000142734	9.44004E-05	0.000115727	0.000108237	0.000274269	0.000142734	9.98893E-05
4492	0.000117381	0.000108976	0.00026359	0.00014429	0.000101318	0.000116703	0.000109111	0.000277409	0.00014429	0.000107141
4493	0.000121485	0.000112856	0.000271587	0.000148695	0.000109001	0.00012063	0.000112823	0.000285884	0.000148695	0.000115186
4494	0.000128515	0.000119617	0.000283297	0.000155721	0.000113866	0.000127361	0.000119284	0.000298329	0.000155721	0.000119662
4495	0.000142244	0.000132182	0.000317284	0.000174255	0.000209196	0.000141252	0.000132132	0.000334284	0.000174255	0.000208949
4496	0.00015592	0.000144451	0.000355427	0.000194631	0.000211073	0.000155444	0.000145095	0.000374496	0.000194631	0.000210313
4497	0.000170174	0.00015757	0.000389442	0.000212943	0.000212736	0.000169708	0.000158341	0.000410307	0.000212943	0.000212077
4498	0.000185013	0.000171238	0.000424642	0.000231853	0.000213758	0.000184511	0.000172092	0.000447376	0.000231853	0.000213161
4499	0.000198682	0.000183775	0.000458004	0.000249541	0.000214009	0.000198156	0.000184723	0.000482498	0.000249541	0.000213437
4500	0.000211397	0.000195274	0.000491869	0.000267447	0.000199016	0.000211171	0.000196673	0.000518053	0.000267447	0.00019952
4501	0.000224311	0.000207051	0.000524555	0.000284954	0.000198361	0.000224287	0.000208785	0.000552407	0.000284954	0.000198828
4502	0.000235892	0.000217538	0.000555191	0.000301454	0.000195205	0.000236255	0.0002198	0.000584552	0.000301454	0.000195497
4503	0.000249359	0.000229723	0.00059095	0.000320175	0.000204936	0.000249942	0.000232359	0.000622116	0.000320175	0.000203905
4504	0.000260175	0.000239638	0.000617435	0.00033421	0.000199339	0.000260746	0.000242356	0.000649995	0.00033421	0.000198025
4505	0.00026861	0.000247438	0.000636901	0.000344698	0.000195632	0.000269107	0.000250142	0.000670512	0.000344698	0.00019411
4506	0.000264672	0.000244425	0.000616899	0.000334472	0.00019373	0.000264085	0.000245863	0.000649786	0.000334472	0.00019208
4507	0.000255623	0.000237126	0.000577384	0.000313853	0.000162475	0.000253081	0.000236277	0.000608769	0.000313853	0.000162852
4508	0.000240705	0.000224007	0.000531172	0.000289443	0.00013164	0.000237037	0.000221757	0.000560455	0.000289443	0.000134729
4509	0.000224946	0.000210076	0.000483635	0.000264506	0.000112756	0.000220434	0.000206732	0.000510467	0.000264506	0.000116716
4510	0.000203255	0.000190234	0.000429751	0.000235532	9.5851E-05	0.000198589	0.000186542	0.000453573	0.000235532	0.000101416
4511	0.000174962	0.000163664	0.0003715	0.00020342	9.20383E-05	0.000171095	0.000160659	0.000391981	0.00020342	9.74134E-05
4512	0.000151148	0.000141074	0.000326394	0.000178575	8.95971E-05	0.000148478	0.000139235	0.000344124	0.000178575	9.48511E-05
4513	0.000134266	0.000124905	0.000297116	0.000162485	8.74521E-05	0.000132817	0.000124307	0.000312935	0.000162485	9.26287E-05
4514	0.000122563	0.000113896	0.000273338	0.000149693	8.94201E-05	0.000121631	0.000113783	0.000287752	0.000149693	9.46789E-05
4515	0.000116485	0.000108202	0.000260583	0.000142734	9.44004E-05	0.000115727	0.000108237	0.000274269	0.000142734	9.98893E-05
4516	0.000117381	0.000108976	0.00026359	0.00014429	0.000101318	0.000116703	0.000109111	0.000277409	0.00014429	0.000107141
4517	0.000121485	0.000112856	0.000271587	0.000148695	0.000109001	0.00012063	0.000112823	0.000285884	0.000148695	0.000115186
4518	0.000128515	0.000119617	0.000283297	0.000155721	0.000113866	0.000127361	0.000119284	0.000298329	0.000155721	0.000119662
4519	0.000142244	0.000132182	0.000317284	0.000174255	0.000209196	0.000141252	0.000132132	0.000334284	0.000174255	0.000208949
4520	0.00015592	0.000144451	0.000355427	0.000194631	0.000211073	0.000155444	0.000145095	0.000374496	0.000194631	0.000210313
4521	0.000170174	0.00015757	0.000389442	0.000212943	0.000212736	0.000169708	0.000158341	0.000410307	0.000212943	0.000212077
4522	0.000185013	0.000171238	0.000424642	0.000231853	0.000213758	0.000184511	0.000172092	0.000447376	0.000231853	0.000213161
4523	0.000198682	0.000183775	0.000458004	0.000249541	0.000214009	0.000198156	0.000184723	0.000482498	0.000249541	0.000213437
4524	0.000211397	0.000195274	0.000491869	0.000267447	0.000199016	0.000211171	0.000196673	0.000518053	0.000267447	0.00019952
4525	0.000224311	0.000207051	0.000524555	0.000284954	0.000198361	0.000224287	0.000208785	0.000552407	0.000284954	0.000198828
4526	0.000235892	0.000217538	0.000555191	0.000301454	0.000195205	0.000236255	0.0002198	0.000584552	0.000301454	0.000195497
4527	0.000249359	0.000229723	0.00059095	0.000320175	0.000204936	0.000249942	0.000232359	0.000622116	0.000320175	0.000203905
4528	0.000260175	0.000239638	0.000617435	0.00033421	0.000199339	0.000260746	0.000242356	0.000649995	0.00033421	0.000198025
4529	0.00026861	0.000247438	0.000636901	0.000344698	0.000195632	0.000269107	0.000250142	0.000670512	0.000344698	0.00019411
4530	0.000264672	0.000244425	0.000616899	0.000334472	0.00019373	0.000264085	0.000245863	0.000649786	0.000334472	0.00019208
4531	0.000255623	0.000237126	0.000577384	0.000313853	0.000162475	0.000253081	0.000236277	0.000608769	0.000313853	0.000162852
4532	0.000240705	0.000224007	0.000531172	0.000289443	0.00013164	0.000237037	0.000221757	0.000560455	0.000289443	0.000134729
4533	0.000224946	0.000210076	0.000483635	0.000264506	0.000112756	0.000220434	0.000206732	0.000510467	0.000264506	0.000116716
4534	0.000203255	0.000190234	0.000429751	0.000235532	9.5851E-05	0.000198589	0.000186542	0.000453573	0.000235532	0.000101416
4535	0.000174962	0.000163664	0.0003715	0.00020342	9.20383E-05	0.000171095	0.000160659	0.000391981	0.00020342	9.74134E-05
4536	0.000151148	0.000141074	0.000326394	0.000178575	8.95971E-05	0.000148478	0.000139235	0.000344124	0.000178575	9.48511E-05
4537	0.000134266	0.000124905	0.000297116	0.000162485	8.74521E-05	0.000132817	0.000124307	0.000312935	0.000162485	9.26287E-05
4538	0.000122563	0.000113896	0.000273338	0.000149693	8.94201E-05	0.000121631	0.000113783	0.000287752	0.000149693	9.46789E-05
4539	0.000116485	0.000108202	0.000260583	0.000142734	9.44004E-05	0.000115727	0.000108237	0.000274269	0.000142734	9.98893E-05
4540	0.000117381	0.000108976	0.00026359	0.00014429	0.000101318	0.000116703	0.000109111	0.000277409	0.00014429	0.000107141
4541	0.000121485	0.000112856	0.000271587	0.000148695	0.000109001	0.00012063	0.000112823	0.000285884	0.000148695	0.000115186
4542	0.000128515	0.000119617	0.000283297	0.000155721	0.000113866	0.000127361	0.000119284	0.000298329	0.000155721	0.000119662
4543	0.000142244	0.000132182	0.000317284	0.000174255	0.000209196	0.000141252	0.000132132	0.000334284	0.000174255	0.000208949
4544	0.00015592	0.000144451	0.000355427	0.000194631	0.000211073	0.000155444	0.000145095	0.000374496	0.000194631	0.000210313
4545	0.000170174	0.00015757	0.000389442	0.000212943	0.000212736	0.000169708	0.000158341	0.000410307	0.000212943	0.000212077
4546	0.000185013	0.000171238	0.000424642	0.000231853	0.000213758	0.000184511	0.000172092	0.000447376	0.000231853	0.000213161
4547	0.000198682	0.000183775	0.000458004	0.000249541	0.000214009	0.000198156	0.000184723	0.000482498	0.000249541	0.000213437
4548	0.000211397	0.000195274	0.000491869	0.000267447	0.000199016	0.000211171	0.000196673	0.000518053	0.000267447	0.00019952
4549	0.000224311	0.000207051	0.000524555	0.000284954	0.000198361	0.000224287	0.000208785	0.000552407	0.000284954	0.000198828
4550	0.000235892	0.000217538	0.000555191	0.000301454	0.000195205	0.000236255	0.0002198	0.000584552	0.000301454	0.000195497
4551	0.000249359	0.000229723	0.00059095	0.000320175	0.000204936	0.000249942	0.000232359	0.000622116	0.000320175	0.000203905

4552	0.000260175	0.000239638	0.000617435	0.00033421	0.000199339	0.000260746	0.000242356	0.000649995	0.00033421	0.000198025
4553	0.00026861	0.000247438	0.000636901	0.000344698	0.000195632	0.000269107	0.000250142	0.000670512	0.000344698	0.00019411
4554	0.000264672	0.000244425	0.000616899	0.000334472	0.00019373	0.000264085	0.000245863	0.000649786	0.000334472	0.00019208
4555	0.000255623	0.000237126	0.000577384	0.000313853	0.000162475	0.000253081	0.000236277	0.000608769	0.000313853	0.000162852
4556	0.000240705	0.000224007	0.000531172	0.000289443	0.00013164	0.000237037	0.000221757	0.000560455	0.000289443	0.000134729
4557	0.000224946	0.000210076	0.000483635	0.000264506	0.000112756	0.000220434	0.000206732	0.000510467	0.000264506	0.000116716
4558	0.000203255	0.000190234	0.000429751	0.000235532	9.5851E-05	0.000198589	0.000186542	0.000453573	0.000235532	0.000101416
4559	0.000174962	0.000163664	0.0003715	0.00020342	9.20383E-05	0.000171095	0.000160659	0.000391981	0.00020342	9.74134E-05
4560	0.000151148	0.000141074	0.000326394	0.000178575	8.95971E-05	0.000148478	0.000139235	0.000344124	0.000178575	9.48511E-05
4561	0.000134838	0.000125424	0.000298609	0.000163267	8.70793E-05	0.000133395	0.000124839	0.000314504	0.000163267	9.2237E-05
4562	0.000122693	0.000114014	0.000273674	0.00014987	8.93716E-05	0.000121763	0.000113904	0.000288105	0.00014987	9.46285E-05
4563	0.000116531	0.000108246	0.000260652	0.000142787	9.43528E-05	0.000115775	0.000108283	0.000274341	0.000142787	9.98401E-05
4564	0.000117853	0.000109408	0.00026475	0.00014492	0.000101221	0.000117182	0.000109555	0.000278628	0.00014492	0.00010704
4565	0.000121942	0.000113278	0.000272651	0.000149294	0.000109005	0.000121096	0.000113258	0.000287003	0.000149294	0.000115191
4566	0.000129202	0.000120248	0.000284953	0.000156632	0.000113929	0.00012806	0.000119933	0.00030007	0.000156632	0.000119727
4567	0.000144521	0.000134483	0.000319151	0.000175364	0.000209207	0.000143192	0.000134072	0.000336235	0.000175364	0.000208962
4568	0.000155789	0.000144335	0.000355033	0.000194442	0.000211077	0.000155313	0.000144978	0.000374082	0.000194442	0.000210319
4569	0.000169378	0.000156849	0.00038733	0.000211849	0.00021275	0.000168904	0.000157604	0.000408088	0.000211849	0.000212094
4570	0.000184577	0.000170842	0.000423508	0.000231259	0.000213714	0.00018407	0.000171687	0.000446185	0.000231259	0.000213117
4571	0.000199429	0.000184459	0.000459839	0.000250539	0.000213932	0.000198914	0.000185425	0.000484427	0.000250539	0.000213359
4572	0.000212305	0.000196098	0.00049425	0.00026869	0.000198864	0.000212089	0.000197516	0.000520556	0.00026869	0.000199362
4573	0.000225449	0.000208086	0.000527495	0.000286503	0.000198149	0.000225438	0.000209845	0.000555496	0.000286503	0.000198608
4574	0.000237944	0.000219401	0.00056051	0.00030425	0.000195037	0.00023833	0.000221709	0.000590143	0.00030425	0.000195325
4575	0.0002517	0.000231854	0.000596949	0.000323352	0.000204965	0.000252312	0.000234542	0.000628422	0.000323352	0.000203941
4576	0.000262813	0.000242038	0.000624211	0.000337793	0.00019954	0.000263416	0.000244816	0.000657118	0.000337793	0.000198242
4577	0.000272672	0.000251138	0.000647277	0.000350204	0.000195819	0.00027322	0.000253935	0.000681419	0.000350204	0.000194314
4578	0.000268868	0.000248252	0.000627498	0.000340135	0.000193825	0.000268337	0.000249789	0.000660927	0.000340135	0.000192188
4579	0.000260184	0.000241288	0.000588889	0.000320005	0.000162524	0.000257704	0.000240546	0.000620863	0.000320005	0.000162913
4580	0.000244895	0.00022783	0.00054176	0.000295099	0.000131675	0.000241284	0.000225679	0.000571585	0.000295099	0.000134776
4581	0.000227072	0.000211786	0.000492976	0.000269357	0.000112729	0.000222953	0.000208905	0.000520298	0.000269357	0.000116695
4582	0.000206597	0.000193284	0.000438188	0.000240042	9.59213E-05	0.000201976	0.000189671	0.000462441	0.000240042	0.000101497
4583	0.000177415	0.000165906	0.00037762	0.000206715	9.21897E-05	0.000173583	0.000162961	0.000398415	0.000206715	9.75786E-05
4584	0.000153552	0.000143269	0.000332434	0.000181813	8.98264E-05	0.000150915	0.000141487	0.000350473	0.000181813	9.50978E-05
4585	0.000134838	0.000125424	0.000298609	0.000163267	8.70793E-05	0.000133395	0.000124839	0.000314504	0.000163267	9.2237E-05
4586	0.000122693	0.000114014	0.000273674	0.00014987	8.93716E-05	0.000121763	0.000113904	0.000288105	0.00014987	9.46285E-05
4587	0.000116531	0.000108246	0.000260652	0.000142787	9.43528E-05	0.000115775	0.000108283	0.000274341	0.000142787	9.98401E-05
4588	0.000117853	0.000109408	0.00026475	0.00014492	0.000101221	0.000117182	0.000109555	0.000278628	0.00014492	0.00010704
4589	0.000121942	0.000113278	0.000272651	0.000149294	0.000109005	0.000121096	0.000113258	0.000287003	0.000149294	0.000115191
4590	0.000129202	0.000120248	0.000284953	0.000156632	0.000113929	0.00012806	0.000119933	0.00030007	0.000156632	0.000119727
4591	0.000144521	0.000134483	0.000319151	0.000175364	0.000209207	0.000143192	0.000134072	0.000336235	0.000175364	0.000208962
4592	0.000155789	0.000144335	0.000355033	0.000194442	0.000211077	0.000155313	0.000144978	0.000374082	0.000194442	0.000210319
4593	0.000169378	0.000156849	0.00038733	0.000211849	0.00021275	0.000168904	0.000157604	0.000408088	0.000211849	0.000212094
4594	0.000184577	0.000170842	0.000423508	0.000231259	0.000213714	0.00018407	0.000171687	0.000446185	0.000231259	0.000213117
4595	0.000199429	0.000184459	0.000459839	0.000250539	0.000213932	0.000198914	0.000185425	0.000484427	0.000250539	0.000213359
4596	0.000212305	0.000196098	0.00049425	0.00026869	0.000198864	0.000212089	0.000197516	0.000520556	0.00026869	0.000199362
4597	0.000225449	0.000208086	0.000527495	0.000286503	0.000198149	0.000225438	0.000209845	0.000555496	0.000286503	0.000198608
4598	0.000237944	0.000219401	0.00056051	0.00030425	0.000195037	0.00023833	0.000221709	0.000590143	0.00030425	0.000195325
4599	0.0002517	0.000231854	0.000596949	0.000323352	0.000204965	0.000252312	0.000234542	0.000628422	0.000323352	0.000203941
4600	0.000262813	0.000242038	0.000624211	0.000337793	0.00019954	0.000263416	0.000244816	0.000657118	0.000337793	0.000198242
4601	0.000272672	0.000251138	0.000647277	0.000350204	0.000195819	0.00027322	0.000253935	0.000681419	0.000350204	0.000194314
4602	0.000268868	0.000248252	0.000627498	0.000340135	0.000193825	0.000268337	0.000249789	0.000660927	0.000340135	0.000192188
4603	0.000260184	0.000241288	0.000588889	0.000320005	0.000162524	0.000257704	0.000240546	0.000620863	0.000320005	0.000162913
4604	0.000244895	0.00022783	0.00054176	0.000295099	0.000131675	0.000241284	0.000225679	0.000571585	0.000295099	0.000134776
4605	0.000227072	0.000211786	0.000492976	0.000269357	0.000112729	0.000222953	0.000208905	0.000520298	0.000269357	0.000116695
4606	0.000206597	0.000193284	0.000438188	0.000240042	9.59213E-05	0.000201976	0.000189671	0.000462441	0.000240042	0.000101497
4607	0.000177415	0.000165906	0.00037762	0.000206715	9.21897E-05	0.000173583	0.000162961	0.000398415	0.000206715	9.75786E-05
4608	0.000153552	0.000143269	0.000332434	0.000181813	8.98264E-05	0.000150915	0.000141487	0.000350473	0.000181813	9.50978E-05
4609	0.000134266	0.000124905	0.000297116	0.000162485	8.74521E-05	0.000132817	0.000124307	0.000312935	0.000162485	9.26287E-05
4610	0.000122563	0.000113896	0.000273338	0.000149693	8.94201E-05	0.000121631	0.000113783	0.000287752	0.000149693	9.46789E-05
4611	0.000116485	0.000108202	0.000260583	0.000142734	9.44004E-05	0.000115727	0.000108237	0.000274269	0.000142734	9.98893E-05
4612	0.000117381	0.000108976	0.00026359	0.00014429	0.000101318	0.000116703	0.000109111	0.000277409	0.00014429	0.000107141
4613	0.000121485	0.000112856	0.000271587	0.000148695	0.000109001	0.00012063	0.000112823	0.000285884	0.000148695	0.000115186
4614	0.000128515	0.000119617	0.000283297	0.000155721	0.000113866	0.000127361	0.000119284	0.000298329	0.000155721	0.000119662
4615	0.000142244	0.000132182	0.000317284	0.000174255	0.000209196	0.000141252	0.000132132	0.000334284	0.000174255	0.000208949
4616	0.00015592	0.000144451	0.000355427	0.000194631	0.000211073	0.000155444	0.000145095	0.000374496	0.000194631	0.000210313
4617	0.000170174	0.00015757	0.000389442	0.000212943	0.000212736	0.000169708	0.000158341	0.000410307	0.000212943	0.000212077
4618	0.000185013	0.000171238	0.000424642	0.000231853	0.000213758	0.000184511	0.000172092	0.000447376	0.000231853	0.000213161
4619	0.000198682	0.000183775	0.000458004	0.000249541	0.000214009	0.000198156	0.000184723	0.000482498	0.000249541	0.000213437
4620	0.000211397	0.000195274	0.000491869	0.000267447	0.000199016	0.000211171	0.000196673	0.000518053	0.000267447	0.00019952
4621	0.000224311	0.000207051	0.000524555	0.000284954	0.000198361	0.000224287	0.000208785	0.000552407	0.000284954	0.000198828
4622	0.000235892	0.000217538	0.000555191	0.000301454	0.000195205	0.000236255	0.0002198	0.000584552	0.000301454	0.000195497
4623	0.000249359	0.000229723	0.00059095	0.000320175	0.000204936	0.000249942	0.000232359	0.000622116	0.000320175	0.000203905
4624	0.000260175	0.000239638	0.000617435	0.00033421	0.000199339	0.000260746	0.000242356	0.000649995	0.00033421	0.000198025
4625	0.00026861	0.000247438	0.000636901	0.000344698	0.000195632	0.000269107	0.000250142	0.000670512	0.000344698	0.00019411
4626	0.000264672	0.000244425	0.000616899	0.000334472	0.00019373	0.000264085	0.000245863	0.000649786	0.000334472	0.00019208
4627	0.000255623	0.000237126	0.000577384	0.000313853	0.000162475	0.000253081	0.000236277	0.000608769	0.000313853	0.000162852

4628	0.000240705	0.000224007	0.000531172	0.000289443	0.00013164	0.000237037	0.000221757	0.000560455	0.000289443	0.000134729
4629	0.000224946	0.000210076	0.000483635	0.000264506	0.000112756	0.000220434	0.000206732	0.000510467	0.000264506	0.000116716
4630	0.000203255	0.000190234	0.000429751	0.000235532	9.5851E-05	0.000198589	0.000186542	0.000453573	0.000235532	0.000101416
4631	0.000174962	0.000163664	0.0003715	0.00020342	9.20383E-05	0.000171095	0.000160659	0.000391981	0.00020342	9.74134E-05
4632	0.000151148	0.000141074	0.000326394	0.000178575	8.95971E-05	0.000148478	0.000139235	0.000344124	0.000178575	9.48511E-05
4633	0.000134266	0.000124905	0.000297116	0.000162485	8.74521E-05	0.000132817	0.000124307	0.000312935	0.000162485	9.26287E-05
4634	0.000122563	0.000113896	0.000273338	0.000149693	8.94201E-05	0.000121631	0.000113783	0.000287752	0.000149693	9.46789E-05
4635	0.000116485	0.000108202	0.000260583	0.000142734	9.44004E-05	0.000115727	0.000108237	0.000274269	0.000142734	9.98893E-05
4636	0.000117381	0.000108976	0.00026359	0.00014429	0.000101318	0.000116703	0.000109111	0.000277409	0.00014429	0.000107141
4637	0.000121485	0.000112856	0.000271587	0.000148695	0.000109001	0.00012063	0.000112823	0.000285884	0.000148695	0.000115186
4638	0.000128515	0.000119617	0.000283297	0.000155721	0.000113866	0.000127361	0.000119284	0.000298329	0.000155721	0.000119662
4639	0.000142244	0.000132182	0.000317284	0.000174255	0.000209196	0.000141252	0.000132132	0.000334284	0.000174255	0.000208949
4640	0.00015592	0.000144451	0.000355427	0.000194631	0.000211073	0.000155444	0.000145095	0.000374496	0.000194631	0.000210313
4641	0.000170174	0.00015757	0.000389442	0.000212943	0.000212736	0.000169708	0.000158341	0.000410307	0.000212943	0.000212077
4642	0.000185013	0.000171238	0.000424642	0.000231853	0.000213758	0.000184511	0.000172092	0.000447376	0.000231853	0.000213161
4643	0.000198682	0.000183775	0.000458004	0.000249541	0.000214009	0.000198156	0.000184723	0.000482498	0.000249541	0.000213437
4644	0.000211397	0.000195274	0.000491869	0.000267447	0.000199016	0.000211171	0.000196673	0.000518053	0.000267447	0.00019952
4645	0.000224311	0.000207051	0.000524555	0.000284954	0.000198361	0.000224287	0.000208785	0.000552407	0.000284954	0.000198828
4646	0.000235892	0.000217538	0.000555191	0.000301454	0.000195205	0.000236255	0.0002198	0.000584552	0.000301454	0.000195497
4647	0.000249359	0.000229723	0.00059095	0.000320175	0.000204936	0.000249942	0.000232359	0.000622116	0.000320175	0.000203905
4648	0.000260175	0.000239638	0.000617435	0.00033421	0.000199339	0.000260746	0.000242356	0.000649995	0.00033421	0.000198025
4649	0.00026861	0.000247438	0.000636901	0.000344698	0.000195632	0.000269107	0.000250142	0.000670512	0.000344698	0.00019411
4650	0.000264672	0.000244425	0.000616899	0.000334472	0.00019373	0.000264085	0.000245863	0.000649786	0.000334472	0.00019208
4651	0.000255623	0.000237126	0.000577384	0.000313853	0.000162475	0.000253081	0.000236277	0.000608769	0.000313853	0.000162852
4652	0.000240705	0.000224007	0.000531172	0.000289443	0.00013164	0.000237037	0.000221757	0.000560455	0.000289443	0.000134729
4653	0.000224946	0.000210076	0.000483635	0.000264506	0.000112756	0.000220434	0.000206732	0.000510467	0.000264506	0.000116716
4654	0.000203255	0.000190234	0.000429751	0.000235532	9.5851E-05	0.000198589	0.000186542	0.000453573	0.000235532	0.000101416
4655	0.000174962	0.000163664	0.0003715	0.00020342	9.20383E-05	0.000171095	0.000160659	0.000391981	0.00020342	9.74134E-05
4656	0.000151148	0.000141074	0.000326394	0.000178575	8.95971E-05	0.000148478	0.000139235	0.000344124	0.000178575	9.48511E-05
4657	0.000134266	0.000124905	0.000297116	0.000162485	8.74521E-05	0.000132817	0.000124307	0.000312935	0.000162485	9.26287E-05
4658	0.000122563	0.000113896	0.000273338	0.000149693	8.94201E-05	0.000121631	0.000113783	0.000287752	0.000149693	9.46789E-05
4659	0.000116485	0.000108202	0.000260583	0.000142734	9.44004E-05	0.000115727	0.000108237	0.000274269	0.000142734	9.98893E-05
4660	0.000117381	0.000108976	0.00026359	0.00014429	0.000101318	0.000116703	0.000109111	0.000277409	0.00014429	0.000107141
4661	0.000121485	0.000112856	0.000271587	0.000148695	0.000109001	0.00012063	0.000112823	0.000285884	0.000148695	0.000115186
4662	0.000128515	0.000119617	0.000283297	0.000155721	0.000113866	0.000127361	0.000119284	0.000298329	0.000155721	0.000119662
4663	0.000142244	0.000132182	0.000317284	0.000174255	0.000209196	0.000141252	0.000132132	0.000334284	0.000174255	0.000208949
4664	0.00015592	0.000144451	0.000355427	0.000194631	0.000211073	0.000155444	0.000145095	0.000374496	0.000194631	0.000210313
4665	0.000170174	0.00015757	0.000389442	0.000212943	0.000212736	0.000169708	0.000158341	0.000410307	0.000212943	0.000212077
4666	0.000185013	0.000171238	0.000424642	0.000231853	0.000213758	0.000184511	0.000172092	0.000447376	0.000231853	0.000213161
4667	0.000198682	0.000183775	0.000458004	0.000249541	0.000214009	0.000198156	0.000184723	0.000482498	0.000249541	0.000213437
4668	0.000211397	0.000195274	0.000491869	0.000267447	0.000199016	0.000211171	0.000196673	0.000518053	0.000267447	0.00019952
4669	0.000224311	0.000207051	0.000524555	0.000284954	0.000198361	0.000224287	0.000208785	0.000552407	0.000284954	0.000198828
4670	0.000235892	0.000217538	0.000555191	0.000301454	0.000195205	0.000236255	0.0002198	0.000584552	0.000301454	0.000195497
4671	0.000249359	0.000229723	0.00059095	0.000320175	0.000204936	0.000249942	0.000232359	0.000622116	0.000320175	0.000203905
4672	0.000260175	0.000239638	0.000617435	0.00033421	0.000199339	0.000260746	0.000242356	0.000649995	0.00033421	0.000198025
4673	0.00026861	0.000247438	0.000636901	0.000344698	0.000195632	0.000269107	0.000250142	0.000670512	0.000344698	0.00019411
4674	0.000264672	0.000244425	0.000616899	0.000334472	0.00019373	0.000264085	0.000245863	0.000649786	0.000334472	0.00019208
4675	0.000255623	0.000237126	0.000577384	0.000313853	0.000162475	0.000253081	0.000236277	0.000608769	0.000313853	0.000162852
4676	0.000240705	0.000224007	0.000531172	0.000289443	0.00013164	0.000237037	0.000221757	0.000560455	0.000289443	0.000134729
4677	0.000224946	0.000210076	0.000483635	0.000264506	0.000112756	0.000220434	0.000206732	0.000510467	0.000264506	0.000116716
4678	0.000203255	0.000190234	0.000429751	0.000235532	9.5851E-05	0.000198589	0.000186542	0.000453573	0.000235532	0.000101416
4679	0.000174962	0.000163664	0.0003715	0.00020342	9.20383E-05	0.000171095	0.000160659	0.000391981	0.00020342	9.74134E-05
4680	0.000151148	0.000141074	0.000326394	0.000178575	8.95971E-05	0.000148478	0.000139235	0.000344124	0.000178575	9.48511E-05
4681	0.000134266	0.000124905	0.000297116	0.000162485	8.74521E-05	0.000132817	0.000124307	0.000312935	0.000162485	9.26287E-05
4682	0.000122563	0.000113896	0.000273338	0.000149693	8.94201E-05	0.000121631	0.000113783	0.000287752	0.000149693	9.46789E-05
4683	0.000116485	0.000108202	0.000260583	0.000142734	9.44004E-05	0.000115727	0.000108237	0.000274269	0.000142734	9.98893E-05
4684	0.000117381	0.000108976	0.00026359	0.00014429	0.000101318	0.000116703	0.000109111	0.000277409	0.00014429	0.000107141
4685	0.000121485	0.000112856	0.000271587	0.000148695	0.000109001	0.00012063	0.000112823	0.000285884	0.000148695	0.000115186
4686	0.000128515	0.000119617	0.000283297	0.000155721	0.000113866	0.000127361	0.000119284	0.000298329	0.000155721	0.000119662
4687	0.000142244	0.000132182	0.000317284	0.000174255	0.000209196	0.000141252	0.000132132	0.000334284	0.000174255	0.000208949
4688	0.00015592	0.000144451	0.000355427	0.000194631	0.000211073	0.000155444	0.000145095	0.000374496	0.000194631	0.000210313
4689	0.000170174	0.00015757	0.000389442	0.000212943	0.000212736	0.000169708	0.000158341	0.000410307	0.000212943	0.000212077
4690	0.000185013	0.000171238	0.000424642	0.000231853	0.000213758	0.000184511	0.000172092	0.000447376	0.000231853	0.000213161
4691	0.000198682	0.000183775	0.000458004	0.000249541	0.000214009	0.000198156	0.000184723	0.000482498	0.000249541	0.000213437
4692	0.000211397	0.000195274	0.000491869	0.000267447	0.000199016	0.000211171	0.000196673	0.000518053	0.000267447	0.00019952
4693	0.000224311	0.000207051	0.000524555	0.000284954	0.000198361	0.000224287	0.000208785	0.000552407	0.000284954	0.000198828
4694	0.000235892	0.000217538	0.000555191	0.000301454	0.000195205	0.000236255	0.0002198	0.000584552	0.000301454	0.000195497
4695	0.000249359	0.000229723	0.00059095	0.000320175	0.000204936	0.000249942	0.000232359	0.000622116	0.000320175	0.000203905
4696	0.000260175	0.000239638	0.000617435	0.00033421	0.000199339	0.000260746	0.000242356	0.000649995	0.00033421	0.000198025
4697	0.00026861	0.000247438	0.000636901	0.000344698	0.000195632	0.000269107	0.000250142	0.000670512	0.000344698	0.00019411
4698	0.000264672	0.000244425	0.000616899	0.000334472	0.00019373	0.000264085	0.000245863	0.000649786	0.000334472	0.00019208
4699	0.000255623	0.000237126	0.000577384	0.000313853	0.000162475	0.000253081	0.000236277	0.000608769	0.000313853	0.000162852
4700	0.000240705	0.000224007	0.000531172	0.000289443	0.00013164	0.000237037	0.000221757	0.000560455	0.000289443	0.000134729
4701	0.000224946	0.000210076	0.000483635	0.000264506	0.000112756	0.000220434	0.000206732	0.000510467	0.000264506	0.000116716
4702	0.000203255	0.000190234	0.000429751	0.000235532	9.5851E-05	0.000198589	0.000186542	0.000453573	0.000235532	0.000101416
4703	0.000174962	0.000163664	0.0003715	0.00020342	9.20383E-05	0.000171095	0.000160659	0.000391981	0.00020342	9.74134E-05

4704	0.000151148	0.000141074	0.000326394	0.000178575	8.95971E-05	0.000148478	0.000139235	0.000344124	0.000178575	9.48511E-05
4705	0.000134266	0.000124905	0.000297116	0.000162485	8.74521E-05	0.000132817	0.000124307	0.000312935	0.000162485	9.26287E-05
4706	0.000122563	0.000113896	0.000273338	0.000149693	8.94201E-05	0.000121631	0.000113783	0.000287752	0.000149693	9.46789E-05
4707	0.000116485	0.000108202	0.000260583	0.000142734	9.44004E-05	0.000115727	0.000108237	0.000274269	0.000142734	9.98893E-05
4708	0.000117381	0.000108976	0.00026359	0.00014429	0.000101318	0.000116703	0.000109111	0.000277409	0.00014429	0.000107141
4709	0.000121485	0.000112856	0.000271587	0.000148695	0.000109001	0.00012063	0.000112823	0.000285884	0.000148695	0.000115186
4710	0.000128515	0.000119617	0.000283297	0.000155721	0.000113866	0.000127361	0.000119284	0.000298329	0.000155721	0.000119662
4711	0.000142244	0.000132182	0.000317284	0.000174255	0.000209196	0.000141252	0.000132132	0.000334284	0.000174255	0.000208949
4712	0.00015592	0.000144451	0.000355427	0.000194631	0.000211073	0.000155444	0.000145095	0.000374496	0.000194631	0.000210313
4713	0.000170174	0.00015757	0.000389442	0.000212943	0.000212736	0.000169708	0.000158341	0.000410307	0.000212943	0.000212077
4714	0.000185013	0.000171238	0.000424642	0.000231853	0.000213758	0.000184511	0.000172092	0.000447376	0.000231853	0.000213161
4715	0.000198682	0.000183775	0.000458004	0.000249541	0.000214009	0.000198156	0.000184723	0.000482498	0.000249541	0.000213437
4716	0.000211397	0.000195274	0.000491869	0.000267447	0.000199016	0.000211171	0.000196673	0.000518053	0.000267447	0.00019952
4717	0.000224311	0.000207051	0.000524555	0.000284954	0.000198361	0.000224287	0.000208785	0.000552407	0.000284954	0.000198828
4718	0.000235892	0.000217538	0.000555191	0.000301454	0.000195205	0.000236255	0.0002198	0.000584552	0.000301454	0.000195497
4719	0.000249359	0.000229723	0.00059095	0.000320175	0.000204936	0.000249942	0.000232359	0.000622116	0.000320175	0.000203905
4720	0.000260175	0.000239638	0.000617435	0.00033421	0.000199339	0.000260746	0.000242356	0.000649995	0.00033421	0.000198025
4721	0.00026861	0.000247438	0.000636901	0.000344698	0.000195632	0.000269107	0.000250142	0.000670512	0.000344698	0.00019411
4722	0.000264672	0.000244425	0.000616899	0.000334472	0.00019373	0.000264085	0.000245863	0.000649786	0.000334472	0.00019208
4723	0.000255623	0.000237126	0.000577384	0.000313853	0.000162475	0.000253081	0.000236277	0.000608769	0.000313853	0.000162852
4724	0.000240705	0.000224007	0.000531172	0.000289443	0.00013164	0.000237037	0.000221757	0.000560455	0.000289443	0.000134729
4725	0.000224946	0.000210076	0.000483635	0.000264506	0.000112756	0.000220434	0.000206732	0.000510467	0.000264506	0.000116716
4726	0.000203255	0.000190234	0.000429751	0.000235532	9.5851E-05	0.000198589	0.000186542	0.000453573	0.000235532	0.000101416
4727	0.000174962	0.000163664	0.0003715	0.00020342	9.20383E-05	0.000171095	0.000160659	0.000391981	0.00020342	9.74134E-05
4728	0.000151148	0.000141074	0.000326394	0.000178575	8.95971E-05	0.000148478	0.000139235	0.000344124	0.000178575	9.48511E-05
4729	0.000134838	0.000125424	0.000298609	0.000163267	8.70793E-05	0.000133395	0.000124839	0.000314504	0.000163267	9.2237E-05
4730	0.000122693	0.000114014	0.000273674	0.00014987	8.93716E-05	0.000121763	0.000113904	0.000288105	0.00014987	9.46285E-05
4731	0.000116531	0.000108246	0.000260652	0.000142787	9.43528E-05	0.000115775	0.000108283	0.000274341	0.000142787	9.98401E-05
4732	0.000117853	0.000109408	0.00026475	0.00014492	0.000101221	0.000117182	0.000109555	0.000278628	0.00014492	0.00010704
4733	0.000121942	0.000113278	0.000272651	0.000149294	0.000109005	0.000121096	0.000113258	0.000287003	0.000149294	0.000115191
4734	0.000129202	0.000120248	0.000284953	0.000156632	0.000113929	0.00012806	0.000119933	0.00030007	0.000156632	0.000119727
4735	0.000144521	0.000134483	0.000319151	0.000175364	0.000209207	0.000143192	0.000134072	0.000336235	0.000175364	0.000208962
4736	0.000155789	0.000144335	0.000355033	0.000194442	0.000211077	0.000155313	0.000144978	0.000374082	0.000194442	0.000210319
4737	0.000169378	0.000156849	0.00038733	0.000211849	0.00021275	0.000168904	0.000157604	0.000408088	0.000211849	0.000212094
4738	0.000184577	0.000170842	0.000423508	0.000231259	0.000213714	0.00018407	0.000171687	0.000446185	0.000231259	0.000213117
4739	0.000199429	0.000184459	0.000459839	0.000250539	0.000213932	0.000198914	0.000185425	0.000484427	0.000250539	0.000213359
4740	0.000212305	0.000196098	0.00049425	0.00026869	0.000198864	0.000212089	0.000197516	0.000520556	0.00026869	0.000199362
4741	0.000225449	0.000208086	0.000527495	0.000286503	0.000198149	0.000225438	0.000209845	0.000555496	0.000286503	0.000198608
4742	0.000237944	0.000219401	0.00056051	0.00030425	0.000195037	0.00023833	0.000221709	0.000590143	0.00030425	0.000195325
4743	0.0002517	0.000231854	0.000596949	0.000323352	0.000204965	0.000252312	0.000234542	0.000628422	0.000323352	0.000203941
4744	0.000262813	0.000242038	0.000624211	0.000337793	0.00019954	0.000263416	0.000244816	0.000657118	0.000337793	0.000198242
4745	0.000272672	0.000251138	0.000647277	0.000350204	0.000195819	0.00027322	0.000253935	0.000681419	0.000350204	0.000194314
4746	0.000268868	0.000248252	0.000627498	0.000340135	0.000193825	0.000268337	0.000249789	0.000660927	0.000340135	0.000192188
4747	0.000260184	0.000241288	0.000588889	0.000320005	0.000162524	0.000257704	0.000240546	0.000620863	0.000320005	0.000162913
4748	0.000244895	0.00022783	0.00054176	0.000295099	0.000131675	0.000241284	0.000225679	0.000571585	0.000295099	0.000134776
4749	0.000227072	0.000211786	0.000492976	0.000269357	0.000112729	0.000222953	0.000208905	0.000520298	0.000269357	0.000116695
4750	0.000206597	0.000193284	0.000438188	0.000240042	9.59213E-05	0.000201976	0.000189671	0.000462441	0.000240042	0.000101497
4751	0.000177415	0.000165906	0.00037762	0.000206715	9.21897E-05	0.000173583	0.000162961	0.000398415	0.000206715	9.75786E-05
4752	0.000153552	0.000143269	0.000332434	0.000181813	8.98264E-05	0.000150915	0.000141487	0.000350473	0.000181813	9.50978E-05
4753	0.000134838	0.000125424	0.000298609	0.000163267	8.70793E-05	0.000133395	0.000124839	0.000314504	0.000163267	9.2237E-05
4754	0.000122693	0.000114014	0.000273674	0.00014987	8.93716E-05	0.000121763	0.000113904	0.000288105	0.00014987	9.46285E-05
4755	0.000116531	0.000108246	0.000260652	0.000142787	9.43528E-05	0.000115775	0.000108283	0.000274341	0.000142787	9.98401E-05
4756	0.000117853	0.000109408	0.00026475	0.00014492	0.000101221	0.000117182	0.000109555	0.000278628	0.00014492	0.00010704
4757	0.000121942	0.000113278	0.000272651	0.000149294	0.000109005	0.000121096	0.000113258	0.000287003	0.000149294	0.000115191
4758	0.000129202	0.000120248	0.000284953	0.000156632	0.000113929	0.00012806	0.000119933	0.00030007	0.000156632	0.000119727
4759	0.000144521	0.000134483	0.000319151	0.000175364	0.000209207	0.000143192	0.000134072	0.000336235	0.000175364	0.000208962
4760	0.000155789	0.000144335	0.000355033	0.000194442	0.000211077	0.000155313	0.000144978	0.000374082	0.000194442	0.000210319
4761	0.000169378	0.000156849	0.00038733	0.000211849	0.00021275	0.000168904	0.000157604	0.000408088	0.000211849	0.000212094
4762	0.000184577	0.000170842	0.000423508	0.000231259	0.000213714	0.00018407	0.000171687	0.000446185	0.000231259	0.000213117
4763	0.000199429	0.000184459	0.000459839	0.000250539	0.000213932	0.000198914	0.000185425	0.000484427	0.000250539	0.000213359
4764	0.000212305	0.000196098	0.00049425	0.00026869	0.000198864	0.000212089	0.000197516	0.000520556	0.00026869	0.000199362
4765	0.000225449	0.000208086	0.000527495	0.000286503	0.000198149	0.000225438	0.000209845	0.000555496	0.000286503	0.000198608
4766	0.000237944	0.000219401	0.00056051	0.00030425	0.000195037	0.00023833	0.000221709	0.000590143	0.00030425	0.000195325
4767	0.0002517	0.000231854	0.000596949	0.000323352	0.000204965	0.000252312	0.000234542	0.000628422	0.000323352	0.000203941
4768	0.000262813	0.000242038	0.000624211	0.000337793	0.00019954	0.000263416	0.000244816	0.000657118	0.000337793	0.000198242
4769	0.000272672	0.000251138	0.000647277	0.000350204	0.000195819	0.00027322	0.000253935	0.000681419	0.000350204	0.000194314
4770	0.000268868	0.000248252	0.000627498	0.000340135	0.000193825	0.000268337	0.000249789	0.000660927	0.000340135	0.000192188
4771	0.000260184	0.000241288	0.000588889	0.000320005	0.000162524	0.000257704	0.000240546	0.000620863	0.000320005	0.000162913
4772	0.000244895	0.00022783	0.00054176	0.000295099	0.000131675	0.000241284	0.000225679	0.000571585	0.000295099	0.000134776
4773	0.000227072	0.000211786	0.000492976	0.000269357	0.000112729	0.000222953	0.000208905	0.000520298	0.000269357	0.000116695
4774	0.000206597	0.000193284	0.000438188	0.000240042	9.59213E-05	0.000201976	0.000189671	0.000462441	0.000240042	0.000101497
4775	0.000177415	0.000165906	0.00037762	0.000206715	9.21897E-05	0.000173583	0.000162961	0.000398415	0.000206715	9.75786E-05
4776	0.000153552	0.000143269	0.000332434	0.000181813	8.98264E-05	0.000150915	0.000141487	0.000350473	0.000181813	9.50978E-05
4777	0.000134266	0.000124905	0.000297116	0.000162485	8.74521E-05	0.000132817	0.000124307	0.000312935	0.000162485	9.26287E-05
4778	0.000122563	0.000113896	0.000273338	0.000149693	8.94201E-05	0.000121631	0.000113783	0.000287752	0.000149693	9.46789E-05
4779	0.000116485	0.000108202	0.000260583	0.000142734	9.44004E-05	0.000115727	0.000108237	0.000274269	0.000142734	9.98893E-05

4780	0.000117381	0.000108976	0.00026359	0.00014429	0.000101318	0.000116703	0.000109111	0.000277409	0.00014429	0.000107141
4781	0.000121485	0.000112856	0.000271587	0.000148695	0.000109001	0.00012063	0.000112823	0.000285884	0.000148695	0.000115186
4782	0.000128515	0.000119617	0.000283297	0.000155721	0.000113866	0.000127361	0.000119284	0.000298329	0.000155721	0.000119662
4783	0.000142244	0.000132182	0.000317284	0.000174255	0.000209196	0.000141252	0.000132132	0.000334284	0.000174255	0.000208949
4784	0.00015592	0.000144451	0.000355427	0.000194631	0.000211073	0.000155444	0.000145095	0.000374496	0.000194631	0.000210313
4785	0.000170174	0.00015757	0.000389442	0.000212943	0.000212736	0.000169708	0.000158341	0.000410307	0.000212943	0.000212077
4786	0.000185013	0.000171238	0.000424642	0.000231853	0.000213758	0.000184511	0.000172092	0.000447376	0.000231853	0.000213161
4787	0.000198682	0.000183775	0.000458004	0.000249541	0.000214009	0.000198156	0.000184723	0.000482498	0.000249541	0.000213437
4788	0.000211397	0.000195274	0.000491869	0.000267447	0.000199016	0.000211171	0.000196673	0.000518053	0.000267447	0.00019952
4789	0.000224311	0.000207051	0.000524555	0.000284954	0.000198361	0.000224287	0.000208785	0.000552407	0.000284954	0.000198828
4790	0.000235892	0.000217538	0.000555191	0.000301454	0.000195205	0.000236255	0.0002198	0.000584552	0.000301454	0.000195497
4791	0.000249359	0.000229723	0.00059095	0.000320175	0.000204936	0.000249942	0.000232359	0.000622116	0.000320175	0.000203905
4792	0.000260175	0.000239638	0.000617435	0.00033421	0.000199339	0.000260746	0.000242356	0.000649995	0.00033421	0.000198025
4793	0.00026861	0.000247438	0.000636901	0.000344698	0.000195632	0.000269107	0.000250142	0.000670512	0.000344698	0.00019411
4794	0.000264672	0.000244425	0.000616899	0.000334472	0.00019373	0.000264085	0.000245863	0.000649786	0.000334472	0.00019208
4795	0.000255623	0.000237126	0.000577384	0.000313853	0.000162475	0.000253081	0.000236277	0.000608769	0.000313853	0.000162852
4796	0.000240705	0.000224007	0.000531172	0.000289443	0.00013164	0.000237037	0.000221757	0.000560455	0.000289443	0.000134729
4797	0.000224946	0.000210076	0.000483635	0.000264506	0.000112756	0.000220434	0.000206732	0.000510467	0.000264506	0.000116716
4798	0.000203255	0.000190234	0.000429751	0.000235532	9.5851E-05	0.000198589	0.000186542	0.000453573	0.000235532	0.000101416
4799	0.000174962	0.000163664	0.0003715	0.00020342	9.20383E-05	0.000171095	0.000160659	0.000391981	0.00020342	9.74134E-05
4800	0.000151148	0.000141074	0.000326394	0.000178575	8.95971E-05	0.000148478	0.000139235	0.000344124	0.000178575	9.48511E-05
4801	0.000134266	0.000124905	0.000297116	0.000162485	8.74521E-05	0.000132817	0.000124307	0.000312935	0.000162485	9.26287E-05
4802	0.000122563	0.000113896	0.000273338	0.000149693	8.94201E-05	0.000121631	0.000113783	0.000287752	0.000149693	9.46789E-05
4803	0.000116485	0.000108202	0.000260583	0.000142734	9.44004E-05	0.000115727	0.000108237	0.000274269	0.000142734	9.98893E-05
4804	0.000117381	0.000108976	0.00026359	0.00014429	0.000101318	0.000116703	0.000109111	0.000277409	0.00014429	0.000107141
4805	0.000121485	0.000112856	0.000271587	0.000148695	0.000109001	0.00012063	0.000112823	0.000285884	0.000148695	0.000115186
4806	0.000128515	0.000119617	0.000283297	0.000155721	0.000113866	0.000127361	0.000119284	0.000298329	0.000155721	0.000119662
4807	0.000142244	0.000132182	0.000317284	0.000174255	0.000209196	0.000141252	0.000132132	0.000334284	0.000174255	0.000208949
4808	0.00015592	0.000144451	0.000355427	0.000194631	0.000211073	0.000155444	0.000145095	0.000374496	0.000194631	0.000210313
4809	0.000170174	0.00015757	0.000389442	0.000212943	0.000212736	0.000169708	0.000158341	0.000410307	0.000212943	0.000212077
4810	0.000185013	0.000171238	0.000424642	0.000231853	0.000213758	0.000184511	0.000172092	0.000447376	0.000231853	0.000213161
4811	0.000198682	0.000183775	0.000458004	0.000249541	0.000214009	0.000198156	0.000184723	0.000482498	0.000249541	0.000213437
4812	0.000211397	0.000195274	0.000491869	0.000267447	0.000199016	0.000211171	0.000196673	0.000518053	0.000267447	0.00019952
4813	0.000224311	0.000207051	0.000524555	0.000284954	0.000198361	0.000224287	0.000208785	0.000552407	0.000284954	0.000198828
4814	0.000235892	0.000217538	0.000555191	0.000301454	0.000195205	0.000236255	0.0002198	0.000584552	0.000301454	0.000195497
4815	0.000249359	0.000229723	0.00059095	0.000320175	0.000204936	0.000249942	0.000232359	0.000622116	0.000320175	0.000203905
4816	0.000260175	0.000239638	0.000617435	0.00033421	0.000199339	0.000260746	0.000242356	0.000649995	0.00033421	0.000198025
4817	0.00026861	0.000247438	0.000636901	0.000344698	0.000195632	0.000269107	0.000250142	0.000670512	0.000344698	0.00019411
4818	0.000264672	0.000244425	0.000616899	0.000334472	0.00019373	0.000264085	0.000245863	0.000649786	0.000334472	0.00019208
4819	0.000255623	0.000237126	0.000577384	0.000313853	0.000162475	0.000253081	0.000236277	0.000608769	0.000313853	0.000162852
4820	0.000240705	0.000224007	0.000531172	0.000289443	0.00013164	0.000237037	0.000221757	0.000560455	0.000289443	0.000134729
4821	0.000224946	0.000210076	0.000483635	0.000264506	0.000112756	0.000220434	0.000206732	0.000510467	0.000264506	0.000116716
4822	0.000203255	0.000190234	0.000429751	0.000235532	9.5851E-05	0.000198589	0.000186542	0.000453573	0.000235532	0.000101416
4823	0.000174962	0.000163664	0.0003715	0.00020342	9.20383E-05	0.000171095	0.000160659	0.000391981	0.00020342	9.74134E-05
4824	0.000151148	0.000141074	0.000326394	0.000178575	8.95971E-05	0.000148478	0.000139235	0.000344124	0.000178575	9.48511E-05
4825	0.000134266	0.000124905	0.000297116	0.000162485	8.74521E-05	0.000132817	0.000124307	0.000312935	0.000162485	9.26287E-05
4826	0.000122563	0.000113896	0.000273338	0.000149693	8.94201E-05	0.000121631	0.000113783	0.000287752	0.000149693	9.46789E-05
4827	0.000116485	0.000108202	0.000260583	0.000142734	9.44004E-05	0.000115727	0.000108237	0.000274269	0.000142734	9.98893E-05
4828	0.000117381	0.000108976	0.00026359	0.00014429	0.000101318	0.000116703	0.000109111	0.000277409	0.00014429	0.000107141
4829	0.000121485	0.000112856	0.000271587	0.000148695	0.000109001	0.00012063	0.000112823	0.000285884	0.000148695	0.000115186
4830	0.000128515	0.000119617	0.000283297	0.000155721	0.000113866	0.000127361	0.000119284	0.000298329	0.000155721	0.000119662
4831	0.000142244	0.000132182	0.000317284	0.000174255	0.000209196	0.000141252	0.000132132	0.000334284	0.000174255	0.000208949
4832	0.00015592	0.000144451	0.000355427	0.000194631	0.000211073	0.000155444	0.000145095	0.000374496	0.000194631	0.000210313
4833	0.000170174	0.00015757	0.000389442	0.000212943	0.000212736	0.000169708	0.000158341	0.000410307	0.000212943	0.000212077
4834	0.000185013	0.000171238	0.000424642	0.000231853	0.000213758	0.000184511	0.000172092	0.000447376	0.000231853	0.000213161
4835	0.000198682	0.000183775	0.000458004	0.000249541	0.000214009	0.000198156	0.000184723	0.000482498	0.000249541	0.000213437
4836	0.000211397	0.000195274	0.000491869	0.000267447	0.000199016	0.000211171	0.000196673	0.000518053	0.000267447	0.00019952
4837	0.000224311	0.000207051	0.000524555	0.000284954	0.000198361	0.000224287	0.000208785	0.000552407	0.000284954	0.000198828
4838	0.000235892	0.000217538	0.000555191	0.000301454	0.000195205	0.000236255	0.0002198	0.000584552	0.000301454	0.000195497
4839	0.000249359	0.000229723	0.00059095	0.000320175	0.000204936	0.000249942	0.000232359	0.000622116	0.000320175	0.000203905
4840	0.000260175	0.000239638	0.000617435	0.00033421	0.000199339	0.000260746	0.000242356	0.000649995	0.00033421	0.000198025
4841	0.00026861	0.000247438	0.000636901	0.000344698	0.000195632	0.000269107	0.000250142	0.000670512	0.000344698	0.00019411
4842	0.000264672	0.000244425	0.000616899	0.000334472	0.00019373	0.000264085	0.000245863	0.000649786	0.000334472	0.00019208
4843	0.000255623	0.000237126	0.000577384	0.000313853	0.000162475	0.000253081	0.000236277	0.000608769	0.000313853	0.000162852
4844	0.000240705	0.000224007	0.000531172	0.000289443	0.00013164	0.000237037	0.000221757	0.000560455	0.000289443	0.000134729
4845	0.000224946	0.000210076	0.000483635	0.000264506	0.000112756	0.000220434	0.000206732	0.000510467	0.000264506	0.000116716
4846	0.000203255	0.000190234	0.000429751	0.000235532	9.5851E-05	0.000198589	0.000186542	0.000453573	0.000235532	0.000101416
4847	0.000174962	0.000163664	0.0003715	0.00020342	9.20383E-05	0.000171095	0.000160659	0.000391981	0.00020342	9.74134E-05
4848	0.000151148	0.000141074	0.000326394	0.000178575	8.95971E-05	0.000148478	0.000139235	0.000344124	0.000178575	9.48511E-05
4849	0.000134266	0.000124905	0.000297116	0.000162485	8.74521E-05	0.000132817	0.000124307	0.000312935	0.000162485	9.26287E-05
4850	0.000122563	0.000113896	0.000273338	0.000149693	8.94201E-05	0.000121631	0.000113783	0.000287752	0.000149693	9.46789E-05
4851	0.000116485	0.000108202	0.000260583	0.000142734	9.44004E-05	0.000115727	0.000108237	0.000274269	0.000142734	9.98893E-05
4852	0.000117381	0.000108976	0.00026359	0.00014429	0.000101318	0.000116703	0.000109111	0.000277409	0.00014429	0.000107141
4853	0.000121485	0.000112856	0.000271587	0.000148695	0.000109001	0.00012063	0.000112823	0.000285884	0.000148695	0.000115186
4854	0.000128515	0.000119617	0.000283297	0.000155721	0.000113866	0.000127361	0.000119284	0.000298329	0.000155721	0.000119662
4855	0.000142244	0.000132182	0.000317284	0.000174255	0.000209196	0.000141252	0.000132132	0.000334284	0.000174255	0.000208949

4856	0.00015592	0.000144451	0.000355427	0.000194631	0.000211073	0.000155444	0.000145095	0.000374496	0.000194631	0.000210313
4857	0.000170174	0.00015757	0.000389442	0.000212943	0.000212736	0.000169708	0.000158341	0.000410307	0.000212943	0.000212077
4858	0.000185013	0.000171238	0.000424642	0.000231853	0.000213758	0.000184511	0.000172092	0.000447376	0.000231853	0.000213161
4859	0.000198682	0.000183775	0.000458004	0.000249541	0.000214009	0.000198156	0.000184723	0.000482498	0.000249541	0.000213437
4860	0.000211397	0.000195274	0.000491869	0.000267447	0.000199016	0.000211171	0.000196673	0.000518053	0.000267447	0.00019952
4861	0.000224311	0.000207051	0.000524555	0.000284954	0.000198361	0.000224287	0.000208785	0.000552407	0.000284954	0.000198828
4862	0.000235892	0.000217538	0.000555191	0.000301454	0.000195205	0.000236255	0.0002198	0.000584552	0.000301454	0.000195497
4863	0.000249359	0.000229723	0.00059095	0.000320175	0.000204936	0.000249942	0.000232359	0.000622116	0.000320175	0.000203905
4864	0.000260175	0.000239638	0.000617435	0.00033421	0.000199339	0.000260746	0.000242356	0.000649995	0.00033421	0.000198025
4865	0.00026861	0.000247438	0.000636901	0.000344698	0.000195632	0.000269107	0.000250142	0.000670512	0.000344698	0.00019411
4866	0.000264672	0.000244425	0.000616899	0.000334472	0.00019373	0.000264085	0.000245863	0.000649786	0.000334472	0.00019208
4867	0.000255623	0.000237126	0.000577384	0.000313853	0.000162475	0.000253081	0.000236277	0.000608769	0.000313853	0.000162852
4868	0.000240705	0.000224007	0.000531172	0.000289443	0.00013164	0.000237037	0.000221757	0.000560455	0.000289443	0.000134729
4869	0.000224946	0.000210076	0.000483635	0.000264506	0.000112756	0.000220434	0.000206732	0.000510467	0.000264506	0.000116716
4870	0.000203255	0.000190234	0.000429751	0.000235532	9.5851E-05	0.000198589	0.000186542	0.000453573	0.000235532	0.000101416
4871	0.000174962	0.000163664	0.0003715	0.00020342	9.20383E-05	0.000171095	0.000160659	0.000391981	0.00020342	9.74134E-05
4872	0.000151148	0.000141074	0.000326394	0.000178575	8.95971E-05	0.000148478	0.000139235	0.000344124	0.000178575	9.48511E-05
4873	0.000134266	0.000124905	0.000297116	0.000162485	8.74521E-05	0.000132817	0.000124307	0.000312935	0.000162485	9.26287E-05
4874	0.000122563	0.000113896	0.000273338	0.000149693	8.94201E-05	0.000121631	0.000113783	0.000287752	0.000149693	9.46789E-05
4875	0.000116485	0.000108202	0.000260583	0.000142734	9.44004E-05	0.000115727	0.000108237	0.000274269	0.000142734	9.98893E-05
4876	0.000117381	0.000108976	0.00026359	0.00014429	0.000101318	0.000116703	0.000109111	0.000277409	0.00014429	0.000107141
4877	0.000121485	0.000112856	0.000271587	0.000148695	0.000109001	0.00012063	0.000112823	0.000285884	0.000148695	0.000115186
4878	0.000128515	0.000119617	0.000283297	0.000155721	0.000113866	0.000127361	0.000119284	0.000298329	0.000155721	0.000119662
4879	0.000142244	0.000132182	0.000317284	0.000174255	0.000209196	0.000141252	0.000132132	0.000334284	0.000174255	0.000208949
4880	0.00015592	0.000144451	0.000355427	0.000194631	0.000211073	0.000155444	0.000145095	0.000374496	0.000194631	0.000210313
4881	0.000170174	0.00015757	0.000389442	0.000212943	0.000212736	0.000169708	0.000158341	0.000410307	0.000212943	0.000212077
4882	0.000185013	0.000171238	0.000424642	0.000231853	0.000213758	0.000184511	0.000172092	0.000447376	0.000231853	0.000213161
4883	0.000198682	0.000183775	0.000458004	0.000249541	0.000214009	0.000198156	0.000184723	0.000482498	0.000249541	0.000213437
4884	0.000211397	0.000195274	0.000491869	0.000267447	0.000199016	0.000211171	0.000196673	0.000518053	0.000267447	0.00019952
4885	0.000224311	0.000207051	0.000524555	0.000284954	0.000198361	0.000224287	0.000208785	0.000552407	0.000284954	0.000198828
4886	0.000235892	0.000217538	0.000555191	0.000301454	0.000195205	0.000236255	0.0002198	0.000584552	0.000301454	0.000195497
4887	0.000249359	0.000229723	0.00059095	0.000320175	0.000204936	0.000249942	0.000232359	0.000622116	0.000320175	0.000203905
4888	0.000260175	0.000239638	0.000617435	0.00033421	0.000199339	0.000260746	0.000242356	0.000649995	0.00033421	0.000198025
4889	0.00026861	0.000247438	0.000636901	0.000344698	0.000195632	0.000269107	0.000250142	0.000670512	0.000344698	0.00019411
4890	0.000264672	0.000244425	0.000616899	0.000334472	0.00019373	0.000264085	0.000245863	0.000649786	0.000334472	0.00019208
4891	0.000255623	0.000237126	0.000577384	0.000313853	0.000162475	0.000253081	0.000236277	0.000608769	0.000313853	0.000162852
4892	0.000240705	0.000224007	0.000531172	0.000289443	0.00013164	0.000237037	0.000221757	0.000560455	0.000289443	0.000134729
4893	0.000224946	0.000210076	0.000483635	0.000264506	0.000112756	0.000220434	0.000206732	0.000510467	0.000264506	0.000116716
4894	0.000203255	0.000190234	0.000429751	0.000235532	9.5851E-05	0.000198589	0.000186542	0.000453573	0.000235532	0.000101416
4895	0.000174962	0.000163664	0.0003715	0.00020342	9.20383E-05	0.000171095	0.000160659	0.000391981	0.00020342	9.74134E-05
4896	0.000151148	0.000141074	0.000326394	0.000178575	8.95971E-05	0.000148478	0.000139235	0.000344124	0.000178575	9.48511E-05
4897	0.000134838	0.000125424	0.000298609	0.000163267	8.70793E-05	0.000133395	0.000124839	0.000314504	0.000163267	9.2237E-05
4898	0.000122693	0.000114014	0.000273674	0.00014987	8.93716E-05	0.000121763	0.000113904	0.000288105	0.00014987	9.46285E-05
4899	0.000116531	0.000108246	0.000260652	0.000142787	9.43528E-05	0.000115775	0.000108283	0.000274341	0.000142787	9.98401E-05
4900	0.000117853	0.000109408	0.00026475	0.00014492	0.000101221	0.000117182	0.000109555	0.000278628	0.00014492	0.00010704
4901	0.000121942	0.000113278	0.000272651	0.000149294	0.000109005	0.000121096	0.000113258	0.000287003	0.000149294	0.000115191
4902	0.000129202	0.000120248	0.000284953	0.000156632	0.000113929	0.00012806	0.000119933	0.00030007	0.000156632	0.000119727
4903	0.000144521	0.000134483	0.000319151	0.000175364	0.000209207	0.000143192	0.000134072	0.000336235	0.000175364	0.000208962
4904	0.000155789	0.000144335	0.000355033	0.000194442	0.000211077	0.000155313	0.000144978	0.000374082	0.000194442	0.000210319
4905	0.000169378	0.000156849	0.00038733	0.000211849	0.00021275	0.000168904	0.000157604	0.000408088	0.000211849	0.000212094
4906	0.000184577	0.000170842	0.000423508	0.000231259	0.000213714	0.00018407	0.000171687	0.000446185	0.000231259	0.000213117
4907	0.000199429	0.000184459	0.000459839	0.000250539	0.000213932	0.000198914	0.000185425	0.000484427	0.000250539	0.000213359
4908	0.000212305	0.000196098	0.00049425	0.00026869	0.000198864	0.000212089	0.000197516	0.000520556	0.00026869	0.000199362
4909	0.000225449	0.000208086	0.000527495	0.000286503	0.000198149	0.000225438	0.000209845	0.000555496	0.000286503	0.000198608
4910	0.000237944	0.000219401	0.00056051	0.00030425	0.000195037	0.00023833	0.000221709	0.000590143	0.00030425	0.000195325
4911	0.0002517	0.000231854	0.000596949	0.000323352	0.000204965	0.000252312	0.000234542	0.000628422	0.000323352	0.000203941
4912	0.000262813	0.000242038	0.000624211	0.000337793	0.00019954	0.000263416	0.000244816	0.000657118	0.000337793	0.000198242
4913	0.000272672	0.000251138	0.000647277	0.000350204	0.000195819	0.00027322	0.000253935	0.000681419	0.000350204	0.000194314
4914	0.000268868	0.000248252	0.000627498	0.000340135	0.000193825	0.000268337	0.000249789	0.000660927	0.000340135	0.000192188
4915	0.000260184	0.000241288	0.000588889	0.000320005	0.000162524	0.000257704	0.000240546	0.000620863	0.000320005	0.000162913
4916	0.000244895	0.00022783	0.00054176	0.000295099	0.000131675	0.000241284	0.000225679	0.000571585	0.000295099	0.000134776
4917	0.000227072	0.000211786	0.000492976	0.000269357	0.000112729	0.000222953	0.000208905	0.000520298	0.000269357	0.000116695
4918	0.000206597	0.000193284	0.000438188	0.000240042	9.59213E-05	0.000201976	0.000189671	0.000462441	0.000240042	0.000101497
4919	0.000177415	0.000165906	0.00037762	0.000206715	9.21897E-05	0.000173583	0.000162961	0.000398415	0.000206715	9.75786E-05
4920	0.000153552	0.000143269	0.000332434	0.000181813	8.98264E-05	0.000150915	0.000141487	0.000350473	0.000181813	9.50978E-05
4921	0.000134838	0.000125424	0.000298609	0.000163267	8.70793E-05	0.000133395	0.000124839	0.000314504	0.000163267	9.2237E-05
4922	0.000122693	0.000114014	0.000273674	0.00014987	8.93716E-05	0.000121763	0.000113904	0.000288105	0.00014987	9.46285E-05
4923	0.000116531	0.000108246	0.000260652	0.000142787	9.43528E-05	0.000115775	0.000108283	0.000274341	0.000142787	9.98401E-05
4924	0.000117853	0.000109408	0.00026475	0.00014492	0.000101221	0.000117182	0.000109555	0.000278628	0.00014492	0.00010704
4925	0.000121942	0.000113278	0.000272651	0.000149294	0.000109005	0.000121096	0.000113258	0.000287003	0.000149294	0.000115191
4926	0.000129202	0.000120248	0.000284953	0.000156632	0.000113929	0.00012806	0.000119933	0.00030007	0.000156632	0.000119727
4927	0.000144521	0.000134483	0.000319151	0.000175364	0.000209207	0.000143192	0.000134072	0.000336235	0.000175364	0.000208962
4928	0.000155789	0.000144335	0.000355033	0.000194442	0.000211077	0.000155313	0.000144978	0.000374082	0.000194442	0.000210319
4929	0.000169378	0.000156849	0.00038733	0.000211849	0.00021275	0.000168904	0.000157604	0.000408088	0.000211849	0.000212094
4930	0.000184577	0.000170842	0.000423508	0.000231259	0.000213714	0.00018407	0.000171687	0.000446185	0.000231259	0.000213117
4931	0.000199429	0.000184459	0.000459839	0.000250539	0.000213932	0.000198914	0.000185425	0.000484427	0.000250539	0.000213359

4932	0.000212305	0.000196098	0.00049425	0.00026869	0.000198864	0.000212089	0.000197516	0.000520556	0.00026869	0.000199362
4933	0.000225449	0.000208086	0.000527495	0.000286503	0.000198149	0.000225438	0.000209845	0.000555496	0.000286503	0.000198608
4934	0.000237944	0.000219401	0.00056051	0.00030425	0.000195037	0.00023833	0.000221709	0.000590143	0.00030425	0.000195325
4935	0.0002517	0.000231854	0.000596949	0.000323352	0.000204965	0.000252312	0.000234542	0.000628422	0.000323352	0.000203941
4936	0.000262813	0.000242038	0.000624211	0.000337793	0.00019954	0.000263416	0.000244816	0.000657118	0.000337793	0.000198242
4937	0.000272672	0.000251138	0.000647277	0.000350204	0.000195819	0.00027322	0.000253935	0.000681419	0.000350204	0.000194314
4938	0.000268868	0.000248252	0.000627498	0.000340135	0.000193825	0.000268337	0.000249789	0.000660927	0.000340135	0.000192188
4939	0.000260184	0.000241288	0.000588889	0.000320005	0.000162524	0.000257704	0.000240546	0.000620863	0.000320005	0.000162913
4940	0.000244895	0.00022783	0.00054176	0.000295099	0.000131675	0.000241284	0.000225679	0.000571585	0.000295099	0.000134776
4941	0.000227072	0.000211786	0.000492976	0.000269357	0.000112729	0.000222953	0.000208905	0.000520298	0.000269357	0.000116695
4942	0.000206597	0.000193284	0.000438188	0.000240042	9.59213E-05	0.000201976	0.000189671	0.000462441	0.000240042	0.000101497
4943	0.000177415	0.000165906	0.00037762	0.000206715	9.21897E-05	0.000173583	0.000162961	0.000398415	0.000206715	9.75786E-05
4944	0.000153552	0.000143269	0.000332434	0.000181813	8.98264E-05	0.000150915	0.000141487	0.000350473	0.000181813	9.50978E-05
4945	0.000134266	0.000124905	0.000297116	0.000162485	8.74521E-05	0.000132817	0.000124307	0.000312935	0.000162485	9.26287E-05
4946	0.000122563	0.000113896	0.000273338	0.000149693	8.94201E-05	0.000121631	0.000113783	0.000287752	0.000149693	9.46789E-05
4947	0.000116485	0.000108202	0.000260583	0.000142734	9.44004E-05	0.000115727	0.000108237	0.000274269	0.000142734	9.98893E-05
4948	0.000117381	0.000108976	0.00026359	0.00014429	0.000101318	0.000116703	0.000109111	0.000277409	0.00014429	0.000107141
4949	0.000121485	0.000112856	0.000271587	0.000148695	0.000109001	0.00012063	0.000112823	0.000285884	0.000148695	0.000115186
4950	0.000128515	0.000119617	0.000283297	0.000155721	0.000113866	0.000127361	0.000119284	0.000298329	0.000155721	0.000119662
4951	0.000142244	0.000132182	0.000317284	0.000174255	0.000209196	0.000141252	0.000132132	0.000334284	0.000174255	0.000208949
4952	0.00015592	0.000144451	0.000355427	0.000194631	0.000211073	0.000155444	0.000145095	0.000374496	0.000194631	0.000210313
4953	0.000170174	0.00015757	0.000389442	0.000212943	0.000212736	0.000169708	0.000158341	0.000410307	0.000212943	0.000212077
4954	0.000185013	0.000171238	0.000424642	0.000231853	0.000213758	0.000184511	0.000172092	0.000447376	0.000231853	0.000213161
4955	0.000198682	0.000183775	0.000458004	0.000249541	0.000214009	0.000198156	0.000184723	0.000482498	0.000249541	0.000213437
4956	0.000211397	0.000195274	0.000491869	0.000267447	0.000199016	0.000211171	0.000196673	0.000518053	0.000267447	0.00019952
4957	0.000224311	0.000207051	0.000524555	0.000284954	0.000198361	0.000224287	0.000208785	0.000552407	0.000284954	0.000198828
4958	0.000235892	0.000217538	0.000555191	0.000301454	0.000195205	0.000236255	0.0002198	0.000584552	0.000301454	0.000195497
4959	0.000249359	0.000229723	0.00059095	0.000320175	0.000204936	0.000249942	0.000232359	0.000622116	0.000320175	0.000203905
4960	0.000260175	0.000239638	0.000617435	0.00033421	0.000199339	0.000260746	0.000242356	0.000649995	0.00033421	0.000198025
4961	0.00026861	0.000247438	0.000636901	0.000344698	0.000195632	0.000269107	0.000250142	0.000670512	0.000344698	0.00019411
4962	0.000264672	0.000244425	0.000616899	0.000334472	0.00019373	0.000264085	0.000245863	0.000649786	0.000334472	0.00019208
4963	0.000255623	0.000237126	0.000577384	0.000313853	0.000162475	0.000253081	0.000236277	0.000608769	0.000313853	0.000162852
4964	0.000240705	0.000224007	0.000531172	0.000289443	0.00013164	0.000237037	0.000221757	0.000560455	0.000289443	0.000134729
4965	0.000224946	0.000210076	0.000483635	0.000264506	0.000112756	0.000220434	0.000206732	0.000510467	0.000264506	0.000116716
4966	0.000203255	0.000190234	0.000429751	0.000235532	9.5851E-05	0.000198589	0.000186542	0.000453573	0.000235532	0.000101416
4967	0.000174962	0.000163664	0.0003715	0.00020342	9.20383E-05	0.000171095	0.000160659	0.000391981	0.00020342	9.74134E-05
4968	0.000151148	0.000141074	0.000326394	0.000178575	8.95971E-05	0.000148478	0.000139235	0.000344124	0.000178575	9.48511E-05
4969	0.000134266	0.000124905	0.000297116	0.000162485	8.74521E-05	0.000132817	0.000124307	0.000312935	0.000162485	9.26287E-05
4970	0.000122563	0.000113896	0.000273338	0.000149693	8.94201E-05	0.000121631	0.000113783	0.000287752	0.000149693	9.46789E-05
4971	0.000116485	0.000108202	0.000260583	0.000142734	9.44004E-05	0.000115727	0.000108237	0.000274269	0.000142734	9.98893E-05
4972	0.000117381	0.000108976	0.00026359	0.00014429	0.000101318	0.000116703	0.000109111	0.000277409	0.00014429	0.000107141
4973	0.000121485	0.000112856	0.000271587	0.000148695	0.000109001	0.00012063	0.000112823	0.000285884	0.000148695	0.000115186
4974	0.000128515	0.000119617	0.000283297	0.000155721	0.000113866	0.000127361	0.000119284	0.000298329	0.000155721	0.000119662
4975	0.000142244	0.000132182	0.000317284	0.000174255	0.000209196	0.000141252	0.000132132	0.000334284	0.000174255	0.000208949
4976	0.00015592	0.000144451	0.000355427	0.000194631	0.000211073	0.000155444	0.000145095	0.000374496	0.000194631	0.000210313
4977	0.000170174	0.00015757	0.000389442	0.000212943	0.000212736	0.000169708	0.000158341	0.000410307	0.000212943	0.000212077
4978	0.000185013	0.000171238	0.000424642	0.000231853	0.000213758	0.000184511	0.000172092	0.000447376	0.000231853	0.000213161
4979	0.000198682	0.000183775	0.000458004	0.000249541	0.000214009	0.000198156	0.000184723	0.000482498	0.000249541	0.000213437
4980	0.000211397	0.000195274	0.000491869	0.000267447	0.000199016	0.000211171	0.000196673	0.000518053	0.000267447	0.00019952
4981	0.000224311	0.000207051	0.000524555	0.000284954	0.000198361	0.000224287	0.000208785	0.000552407	0.000284954	0.000198828
4982	0.000235892	0.000217538	0.000555191	0.000301454	0.000195205	0.000236255	0.0002198	0.000584552	0.000301454	0.000195497
4983	0.000249359	0.000229723	0.00059095	0.000320175	0.000204936	0.000249942	0.000232359	0.000622116	0.000320175	0.000203905
4984	0.000260175	0.000239638	0.000617435	0.00033421	0.000199339	0.000260746	0.000242356	0.000649995	0.00033421	0.000198025
4985	0.00026861	0.000247438	0.000636901	0.000344698	0.000195632	0.000269107	0.000250142	0.000670512	0.000344698	0.00019411
4986	0.000264672	0.000244425	0.000616899	0.000334472	0.00019373	0.000264085	0.000245863	0.000649786	0.000334472	0.00019208
4987	0.000255623	0.000237126	0.000577384	0.000313853	0.000162475	0.000253081	0.000236277	0.000608769	0.000313853	0.000162852
4988	0.000240705	0.000224007	0.000531172	0.000289443	0.00013164	0.000237037	0.000221757	0.000560455	0.000289443	0.000134729
4989	0.000224946	0.000210076	0.000483635	0.000264506	0.000112756	0.000220434	0.000206732	0.000510467	0.000264506	0.000116716
4990	0.000203255	0.000190234	0.000429751	0.000235532	9.5851E-05	0.000198589	0.000186542	0.000453573	0.000235532	0.000101416
4991	0.000174962	0.000163664	0.0003715	0.00020342	9.20383E-05	0.000171095	0.000160659	0.000391981	0.00020342	9.74134E-05
4992	0.000151148	0.000141074	0.000326394	0.000178575	8.95971E-05	0.000148478	0.000139235	0.000344124	0.000178575	9.48511E-05
4993	0.000134266	0.000124905	0.000297116	0.000162485	8.74521E-05	0.000132817	0.000124307	0.000312935	0.000162485	9.26287E-05
4994	0.000122563	0.000113896	0.000273338	0.000149693	8.94201E-05	0.000121631	0.000113783	0.000287752	0.000149693	9.46789E-05
4995	0.000116485	0.000108202	0.000260583	0.000142734	9.44004E-05	0.000115727	0.000108237	0.000274269	0.000142734	9.98893E-05
4996	0.000117381	0.000108976	0.00026359	0.00014429	0.000101318	0.000116703	0.000109111	0.000277409	0.00014429	0.000107141
4997	0.000121485	0.000112856	0.000271587	0.000148695	0.000109001	0.00012063	0.000112823	0.000285884	0.000148695	0.000115186
4998	0.000128515	0.000119617	0.000283297	0.000155721	0.000113866	0.000127361	0.000119284	0.000298329	0.000155721	0.000119662
4999	0.000142244	0.000132182	0.000317284	0.000174255	0.000209196	0.000141252	0.000132132	0.000334284	0.000174255	0.000208949
5000	0.00015592	0.000144451	0.000355427	0.000194631	0.000211073	0.000155444	0.000145095	0.000374496	0.000194631	0.000210313
5001	0.000170174	0.00015757	0.000389442	0.000212943	0.000212736	0.000169708	0.000158341	0.000410307	0.000212943	0.000212077
5002	0.000185013	0.000171238	0.000424642	0.000231853	0.000213758	0.000184511	0.000172092	0.000447376	0.000231853	0.000213161
5003	0.000198682	0.000183775	0.000458004	0.000249541	0.000214009	0.000198156	0.000184723	0.000482498	0.000249541	0.000213437
5004	0.000211397	0.000195274	0.000491869	0.000267447	0.000199016	0.000211171	0.000196673	0.000518053	0.000267447	0.00019952
5005	0.000224311	0.000207051	0.000524555	0.000284954	0.000198361	0.000224287	0.000208785	0.000552407	0.000284954	0.000198828
5006	0.000235892	0.000217538	0.000555191	0.000301454	0.000195205	0.000236255	0.0002198	0.000584552	0.000301454	0.000195497
5007	0.000249359	0.000229723	0.00059095	0.000320175	0.000204936	0.000249942	0.000232359	0.000622116	0.000320175	0.000203905

5008	0.000260175	0.000239638	0.000617435	0.00033421	0.000199339	0.000260746	0.000242356	0.000649995	0.00033421	0.000198025
5009	0.00026861	0.000247438	0.000636901	0.000344698	0.000195632	0.000269107	0.000250142	0.000670512	0.000344698	0.00019411
5010	0.000264672	0.000244425	0.000616899	0.000334472	0.00019373	0.000264085	0.000245863	0.000649786	0.000334472	0.00019208
5011	0.000255623	0.000237126	0.000577384	0.000313853	0.000162475	0.000253081	0.000236277	0.000608769	0.000313853	0.000162852
5012	0.000240705	0.000224007	0.000531172	0.000289443	0.00013164	0.000237037	0.000221757	0.000560455	0.000289443	0.000134729
5013	0.000224946	0.000210076	0.000483635	0.000264506	0.000112756	0.000220434	0.000206732	0.000510467	0.000264506	0.000116716
5014	0.000203255	0.000190234	0.000429751	0.000235532	9.5851E-05	0.000198589	0.000186542	0.000453573	0.000235532	0.000101416
5015	0.000174962	0.000163664	0.0003715	0.00020342	9.20383E-05	0.000171095	0.000160659	0.000391981	0.00020342	9.74134E-05
5016	0.000151148	0.000141074	0.000326394	0.000178575	8.95971E-05	0.000148478	0.000139235	0.000344124	0.000178575	9.48511E-05
5017	0.000134266	0.000124905	0.000297116	0.000162485	8.74521E-05	0.000132817	0.000124307	0.000312935	0.000162485	9.26287E-05
5018	0.000122563	0.000113896	0.000273338	0.000149693	8.94201E-05	0.000121631	0.000113783	0.000287752	0.000149693	9.46789E-05
5019	0.000116485	0.000108202	0.000260583	0.000142734	9.44004E-05	0.000115727	0.000108237	0.000274269	0.000142734	9.98893E-05
5020	0.000117381	0.000108976	0.00026359	0.00014429	0.000101318	0.000116703	0.000109111	0.000277409	0.00014429	0.000107141
5021	0.000121485	0.000112856	0.000271587	0.000148695	0.000109001	0.00012063	0.000112823	0.000285884	0.000148695	0.000115186
5022	0.000128515	0.000119617	0.000283297	0.000155721	0.000113866	0.000127361	0.000119284	0.000298329	0.000155721	0.000119662
5023	0.000142244	0.000132182	0.000317284	0.000174255	0.000209196	0.000141252	0.000132132	0.000334284	0.000174255	0.000208949
5024	0.00015592	0.000144451	0.000355427	0.000194631	0.000211073	0.000155444	0.000145095	0.000374496	0.000194631	0.000210313
5025	0.000170174	0.00015757	0.000389442	0.000212943	0.000212736	0.000169708	0.000158341	0.000410307	0.000212943	0.000212077
5026	0.000185013	0.000171238	0.000424642	0.000231853	0.000213758	0.000184511	0.000172092	0.000447376	0.000231853	0.000213161
5027	0.000198682	0.000183775	0.000458004	0.000249541	0.000214009	0.000198156	0.000184723	0.000482498	0.000249541	0.000213437
5028	0.000211397	0.000195274	0.000491869	0.000267447	0.000199016	0.000211171	0.000196673	0.000518053	0.000267447	0.00019952
5029	0.000224311	0.000207051	0.000524555	0.000284954	0.000198361	0.000224287	0.000208785	0.000552407	0.000284954	0.000198828
5030	0.000235892	0.000217538	0.000555191	0.000301454	0.000195205	0.000236255	0.0002198	0.000584552	0.000301454	0.000195497
5031	0.000249359	0.000229723	0.00059095	0.000320175	0.000204936	0.000249942	0.000232359	0.000622116	0.000320175	0.000203905
5032	0.000260175	0.000239638	0.000617435	0.00033421	0.000199339	0.000260746	0.000242356	0.000649995	0.00033421	0.000198025
5033	0.00026861	0.000247438	0.000636901	0.000344698	0.000195632	0.000269107	0.000250142	0.000670512	0.000344698	0.00019411
5034	0.000264672	0.000244425	0.000616899	0.000334472	0.00019373	0.000264085	0.000245863	0.000649786	0.000334472	0.00019208
5035	0.000255623	0.000237126	0.000577384	0.000313853	0.000162475	0.000253081	0.000236277	0.000608769	0.000313853	0.000162852
5036	0.000240705	0.000224007	0.000531172	0.000289443	0.00013164	0.000237037	0.000221757	0.000560455	0.000289443	0.000134729
5037	0.000224946	0.000210076	0.000483635	0.000264506	0.000112756	0.000220434	0.000206732	0.000510467	0.000264506	0.000116716
5038	0.000203255	0.000190234	0.000429751	0.000235532	9.5851E-05	0.000198589	0.000186542	0.000453573	0.000235532	0.000101416
5039	0.000174962	0.000163664	0.0003715	0.00020342	9.20383E-05	0.000171095	0.000160659	0.000391981	0.00020342	9.74134E-05
5040	0.000151148	0.000141074	0.000326394	0.000178575	8.95971E-05	0.000148478	0.000139235	0.000344124	0.000178575	9.48511E-05
5041	0.000134266	0.000124905	0.000297116	0.000162485	8.74521E-05	0.000132817	0.000124307	0.000312935	0.000162485	9.26287E-05
5042	0.000122563	0.000113896	0.000273338	0.000149693	8.94201E-05	0.000121631	0.000113783	0.000287752	0.000149693	9.46789E-05
5043	0.000116485	0.000108202	0.000260583	0.000142734	9.44004E-05	0.000115727	0.000108237	0.000274269	0.000142734	9.98893E-05
5044	0.000117381	0.000108976	0.00026359	0.00014429	0.000101318	0.000116703	0.000109111	0.000277409	0.00014429	0.000107141
5045	0.000121485	0.000112856	0.000271587	0.000148695	0.000109001	0.00012063	0.000112823	0.000285884	0.000148695	0.000115186
5046	0.000128515	0.000119617	0.000283297	0.000155721	0.000113866	0.000127361	0.000119284	0.000298329	0.000155721	0.000119662
5047	0.000142244	0.000132182	0.000317284	0.000174255	0.000209196	0.000141252	0.000132132	0.000334284	0.000174255	0.000208949
5048	0.00015592	0.000144451	0.000355427	0.000194631	0.000211073	0.000155444	0.000145095	0.000374496	0.000194631	0.000210313
5049	0.000170174	0.00015757	0.000389442	0.000212943	0.000212736	0.000169708	0.000158341	0.000410307	0.000212943	0.000212077
5050	0.000185013	0.000171238	0.000424642	0.000231853	0.000213758	0.000184511	0.000172092	0.000447376	0.000231853	0.000213161
5051	0.000198682	0.000183775	0.000458004	0.000249541	0.000214009	0.000198156	0.000184723	0.000482498	0.000249541	0.000213437
5052	0.000211397	0.000195274	0.000491869	0.000267447	0.000199016	0.000211171	0.000196673	0.000518053	0.000267447	0.00019952
5053	0.000224311	0.000207051	0.000524555	0.000284954	0.000198361	0.000224287	0.000208785	0.000552407	0.000284954	0.000198828
5054	0.000235892	0.000217538	0.000555191	0.000301454	0.000195205	0.000236255	0.0002198	0.000584552	0.000301454	0.000195497
5055	0.000249359	0.000229723	0.00059095	0.000320175	0.000204936	0.000249942	0.000232359	0.000622116	0.000320175	0.000203905
5056	0.000260175	0.000239638	0.000617435	0.00033421	0.000199339	0.000260746	0.000242356	0.000649995	0.00033421	0.000198025
5057	0.00026861	0.000247438	0.000636901	0.000344698	0.000195632	0.000269107	0.000250142	0.000670512	0.000344698	0.00019411
5058	0.000264672	0.000244425	0.000616899	0.000334472	0.00019373	0.000264085	0.000245863	0.000649786	0.000334472	0.00019208
5059	0.000255623	0.000237126	0.000577384	0.000313853	0.000162475	0.000253081	0.000236277	0.000608769	0.000313853	0.000162852
5060	0.000240705	0.000224007	0.000531172	0.000289443	0.00013164	0.000237037	0.000221757	0.000560455	0.000289443	0.000134729
5061	0.000224946	0.000210076	0.000483635	0.000264506	0.000112756	0.000220434	0.000206732	0.000510467	0.000264506	0.000116716
5062	0.000203255	0.000190234	0.000429751	0.000235532	9.5851E-05	0.000198589	0.000186542	0.000453573	0.000235532	0.000101416
5063	0.000174962	0.000163664	0.0003715	0.00020342	9.20383E-05	0.000171095	0.000160659	0.000391981	0.00020342	9.74134E-05
5064	0.000151148	0.000141074	0.000326394	0.000178575	8.95971E-05	0.000148478	0.000139235	0.000344124	0.000178575	9.48511E-05
5065	0.000134838	0.000125424	0.000298609	0.000163267	8.70793E-05	0.000133395	0.000124839	0.000314504	0.000163267	9.2237E-05
5066	0.000122693	0.000114014	0.000273674	0.00014987	8.93716E-05	0.000121763	0.000113904	0.000288105	0.00014987	9.46285E-05
5067	0.000116531	0.000108246	0.000260652	0.000142787	9.43528E-05	0.000115775	0.000108283	0.000274341	0.000142787	9.98401E-05
5068	0.000117853	0.000109408	0.00026475	0.00014492	0.000101221	0.000117182	0.000109555	0.000278628	0.00014492	0.00010704
5069	0.000121942	0.000113278	0.000272651	0.000149294	0.000109005	0.000121096	0.000113258	0.000287003	0.000149294	0.000115191
5070	0.000129202	0.000120248	0.000284953	0.000156632	0.000113929	0.00012806	0.000119933	0.00030007	0.000156632	0.000119727
5071	0.000144521	0.000134483	0.000319151	0.000175364	0.000209207	0.000143192	0.000134072	0.000336235	0.000175364	0.000208962
5072	0.000155789	0.000144335	0.000355033	0.000194442	0.000211077	0.000155313	0.000144978	0.000374082	0.000194442	0.000210319
5073	0.000169378	0.000156849	0.00038733	0.000211849	0.00021275	0.000168904	0.000157604	0.000408088	0.000211849	0.000212094
5074	0.000184577	0.000170842	0.000423508	0.000231259	0.000213714	0.00018407	0.000171687	0.000446185	0.000231259	0.000213117
5075	0.000199429	0.000184459	0.000459839	0.000250539	0.000213932	0.000198914	0.000185425	0.000484427	0.000250539	0.000213359
5076	0.000212305	0.000196098	0.00049425	0.00026869	0.000198864	0.000212089	0.000197516	0.000520556	0.00026869	0.000199362
5077	0.000225449	0.000208086	0.000527495	0.000286503	0.000198149	0.000225438	0.000209845	0.000555496	0.000286503	0.000198608
5078	0.000237944	0.000219401	0.00056051	0.00030425	0.000195037	0.00023833	0.000221709	0.000590143	0.00030425	0.000195325
5079	0.0002517	0.000231854	0.000596949	0.000323352	0.000204965	0.000252312	0.000234542	0.000628422	0.000323352	0.000203941
5080	0.000262813	0.000242038	0.000624211	0.000337793	0.00019954	0.000263416	0.000244816	0.000657118	0.000337793	0.000198242
5081	0.000272672	0.000251138	0.000647277	0.000350204	0.000195819	0.00027322	0.000253935	0.000681419	0.000350204	0.000194314
5082	0.000268868	0.000248252	0.000627498	0.000340135	0.000193825	0.000268337	0.000249789	0.000660927	0.000340135	0.000192188
5083	0.000260184	0.000241288	0.000588889	0.000320005	0.000162524	0.000257704	0.000240546	0.000620863	0.000320005	0.000162913

5084	0.000244895	0.00022783	0.00054176	0.000295099	0.000131675	0.000241284	0.000225679	0.000571585	0.000295099	0.000134776
5085	0.000227072	0.000211786	0.000492976	0.000269357	0.000112729	0.000222953	0.000208905	0.000520298	0.000269357	0.000116695
5086	0.000206597	0.000193284	0.000438188	0.000240042	9.59213E-05	0.000201976	0.000189671	0.000462441	0.000240042	0.000101497
5087	0.000177415	0.000165906	0.00037762	0.000206715	9.21897E-05	0.000173583	0.000162961	0.000398415	0.000206715	9.75786E-05
5088	0.000153552	0.000143269	0.000332434	0.000181813	8.98264E-05	0.000150915	0.000141487	0.000350473	0.000181813	9.50978E-05
5089	0.000134838	0.000125424	0.000298609	0.000163267	8.70793E-05	0.000133395	0.000124839	0.000314504	0.000163267	9.2237E-05
5090	0.000122693	0.000114014	0.000273674	0.00014987	8.93716E-05	0.000121763	0.000113904	0.000288105	0.00014987	9.46285E-05
5091	0.000116531	0.000108246	0.000260652	0.000142787	9.43528E-05	0.000115775	0.000108283	0.000274341	0.000142787	9.98401E-05
5092	0.000117853	0.000109408	0.00026475	0.00014492	0.000101221	0.000117182	0.000109555	0.000278628	0.00014492	0.00010704
5093	0.000121942	0.000113278	0.000272651	0.000149294	0.000109005	0.000121096	0.000113258	0.000287003	0.000149294	0.000115191
5094	0.000129202	0.000120248	0.000284953	0.000156632	0.000113929	0.00012806	0.000119933	0.00030007	0.000156632	0.000119727
5095	0.000144521	0.000134483	0.000319151	0.000175364	0.000209207	0.000143192	0.000134072	0.000336235	0.000175364	0.000208962
5096	0.000155789	0.000144335	0.000355033	0.000194442	0.000211077	0.000155313	0.000144978	0.000374082	0.000194442	0.000210319
5097	0.000169378	0.000156849	0.00038733	0.000211849	0.00021275	0.000168904	0.000157604	0.000408088	0.000211849	0.000212094
5098	0.000184577	0.000170842	0.000423508	0.000231259	0.000213714	0.00018407	0.000171687	0.000446185	0.000231259	0.000213117
5099	0.000199429	0.000184459	0.000459839	0.000250539	0.000213932	0.000198914	0.000185425	0.000484427	0.000250539	0.000213359
5100	0.000212305	0.000196098	0.00049425	0.00026869	0.000198864	0.000212089	0.000197516	0.000520556	0.00026869	0.000199362
5101	0.000225449	0.000208086	0.000527495	0.000286503	0.000198149	0.000225438	0.000209845	0.000555496	0.000286503	0.000198608
5102	0.000237944	0.000219401	0.00056051	0.00030425	0.000195037	0.00023833	0.000221709	0.000590143	0.00030425	0.000195325
5103	0.0002517	0.000231854	0.000596949	0.000323352	0.000204965	0.000252312	0.000234542	0.000628422	0.000323352	0.000203941
5104	0.000262813	0.000242038	0.000624211	0.000337793	0.00019954	0.000263416	0.000244816	0.000657118	0.000337793	0.000198242
5105	0.000272672	0.000251138	0.000647277	0.000350204	0.000195819	0.00027322	0.000253935	0.000681419	0.000350204	0.000194314
5106	0.000268868	0.000248252	0.000627498	0.000340135	0.000193825	0.000268337	0.000249789	0.000660927	0.000340135	0.000192188
5107	0.000260184	0.000241288	0.000588889	0.000320005	0.000162524	0.000257704	0.000240546	0.000620863	0.000320005	0.000162913
5108	0.000244895	0.00022783	0.00054176	0.000295099	0.000131675	0.000241284	0.000225679	0.000571585	0.000295099	0.000134776
5109	0.000227072	0.000211786	0.000492976	0.000269357	0.000112729	0.000222953	0.000208905	0.000520298	0.000269357	0.000116695
5110	0.000206597	0.000193284	0.000438188	0.000240042	9.59213E-05	0.000201976	0.000189671	0.000462441	0.000240042	0.000101497
5111	0.000177415	0.000165906	0.00037762	0.000206715	9.21897E-05	0.000173583	0.000162961	0.000398415	0.000206715	9.75786E-05
5112	0.000153552	0.000143269	0.000332434	0.000181813	8.98264E-05	0.000150915	0.000141487	0.000350473	0.000181813	9.50978E-05
5113	0.00012258	0.000114244	0.000267592	0.000146713	8.67298E-05	0.000120974	0.000113371	0.0002819	0.000146713	9.18086E-05
5114	0.000113484	0.000105585	0.000250909	0.000137541	8.78591E-05	0.000112415	0.000105246	0.000264173	0.000137541	9.29696E-05
5115	0.000107399	9.99174E-05	0.000237555	0.000130457	9.28825E-05	0.000106521	9.97399E-05	0.000250063	0.000130457	9.82196E-05
5116	0.000107895	0.000100383	0.000238574	0.000131277	0.000101161	0.000107122	0.000100319	0.000251117	0.000131277	0.000106889
5117	0.000115261	0.000107282	0.000254064	0.000139935	0.000109973	0.000114377	0.000107144	0.000267472	0.000139935	0.000116131
5118	0.000124376	0.000115864	0.000272437	0.000150054	0.00011377	0.000123179	0.000115443	0.000286916	0.000150054	0.000119472
5119	0.000128999	0.000120087	0.000284018	0.000156418	0.000207837	0.000127823	0.000119721	0.000299314	0.000156418	0.000207424
5120	0.000139102	0.000129051	0.000313954	0.000172137	0.000209448	0.00013837	0.000129275	0.000330896	0.000172137	0.000208534
5121	0.000146577	0.000136001	0.000330563	0.000181243	0.000212254	0.000145772	0.000136198	0.000348412	0.000181243	0.000211506
5122	0.000157387	0.00014604	0.000354771	0.000194552	0.000212481	0.000156516	0.000146245	0.00037393	0.000194552	0.000211767
5123	0.000171376	0.000158914	0.000388165	0.000212517	0.000211838	0.00017051	0.000159239	0.000409088	0.000212517	0.000211108
5124	0.000187434	0.000173442	0.000430844	0.000235008	0.000196813	0.000186902	0.000174287	0.000453908	0.000235008	0.000197148
5125	0.000202806	0.000187439	0.000470133	0.000255912	0.000197629	0.000202497	0.000188668	0.0004952	0.000255912	0.000197996
5126	0.000219168	0.000202203	0.000514286	0.000279151	0.00019577	0.000219266	0.00020404	0.000541548	0.000279151	0.000196041
5127	0.000231494	0.000213417	0.000545965	0.000296093	0.000205972	0.000231832	0.000215628	0.000574828	0.000296093	0.000204946
5128	0.000237735	0.000219213	0.000559945	0.000303764	0.000198969	0.000238029	0.000221421	0.000589566	0.000303764	0.000197598
5129	0.000241556	0.000222913	0.000565853	0.000307643	0.000193579	0.000241771	0.000225044	0.000595839	0.000307643	0.000191926
5130	0.000240908	0.000222839	0.000555229	0.000302071	0.000190358	0.000240051	0.000223756	0.000584966	0.000302071	0.000188527
5131	0.000238687	0.000221736	0.000533572	0.00029079	0.000159257	0.000235949	0.000220511	0.000562718	0.00029079	0.000159474
5132	0.000228202	0.000212745	0.000497091	0.000272069	0.000127964	0.000224442	0.000210259	0.00052464	0.000272069	0.000130876
5133	0.0002117	0.000198006	0.00044991	0.000246576	0.000108484	0.000207018	0.000194356	0.000475017	0.000246576	0.000112229
5134	0.000187335	0.000175715	0.000389463	0.000214032	9.10247E-05	0.000182458	0.00017165	0.000411224	0.000214032	9.63424E-05
5135	0.000161888	0.00015177	0.000337907	0.000185662	8.81635E-05	0.000157862	0.00014847	0.000356671	0.000185662	9.33254E-05
5136	0.000140907	0.000131783	0.000299627	0.000164574	8.68858E-05	0.000138127	0.000129724	0.00031599	0.000164574	9.1979E-05
5137	0.00012258	0.000114244	0.000267592	0.000146713	8.67298E-05	0.000120974	0.000113371	0.0002819	0.000146713	9.18086E-05
5138	0.000113484	0.000105585	0.000250909	0.000137541	8.78591E-05	0.000112415	0.000105246	0.000264173	0.000137541	9.29696E-05
5139	0.000107399	9.99174E-05	0.000237555	0.000130457	9.28825E-05	0.000106521	9.97399E-05	0.000250063	0.000130457	9.82196E-05
5140	0.000107895	0.000100383	0.000238574	0.000131277	0.000101161	0.000107122	0.000100319	0.000251117	0.000131277	0.000106889
5141	0.000115261	0.000107282	0.000254064	0.000139935	0.000109973	0.000114377	0.000107144	0.000267472	0.000139935	0.000116131
5142	0.000124376	0.000115864	0.000272437	0.000150054	0.00011377	0.000123179	0.000115443	0.000286916	0.000150054	0.000119472
5143	0.000128999	0.000120087	0.000284018	0.000156418	0.000207837	0.000127823	0.000119721	0.000299314	0.000156418	0.000207424
5144	0.000139102	0.000129051	0.000313954	0.000172137	0.000209448	0.00013837	0.000129275	0.000330896	0.000172137	0.000208534
5145	0.000146577	0.000136001	0.000330563	0.000181243	0.000212254	0.000145772	0.000136198	0.000348412	0.000181243	0.000211506
5146	0.000157387	0.00014604	0.000354771	0.000194552	0.000212481	0.000156516	0.000146245	0.00037393	0.000194552	0.000211767
5147	0.000171376	0.000158914	0.000388165	0.000212517	0.000211838	0.00017051	0.000159239	0.000409088	0.000212517	0.000211108
5148	0.000187434	0.000173442	0.000430844	0.000235008	0.000196813	0.000186902	0.000174287	0.000453908	0.000235008	0.000197148
5149	0.000202806	0.000187439	0.000470133	0.000255912	0.000197629	0.000202497	0.000188668	0.0004952	0.000255912	0.000197996
5150	0.000219168	0.000202203	0.000514286	0.000279151	0.00019577	0.000219266	0.00020404	0.000541548	0.000279151	0.000196041
5151	0.000231494	0.000213417	0.000545965	0.000296093	0.000205972	0.000231832	0.000215628	0.000574828	0.000296093	0.000204946
5152	0.000237735	0.000219213	0.000559945	0.000303764	0.000198969	0.000238029	0.000221421	0.000589566	0.000303764	0.000197598
5153	0.000241556	0.000222913	0.000565853	0.000307643	0.000193579	0.000241771	0.000225044	0.000595839	0.000307643	0.000191926
5154	0.000240908	0.000222839	0.000555229	0.000302071	0.000190358	0.000240051	0.000223756	0.000584966	0.000302071	0.000188527
5155	0.000238687	0.000221736	0.000533572	0.00029079	0.000159257	0.000235949	0.000220511	0.000562718	0.00029079	0.000159474
5156	0.000228202	0.000212745	0.000497091	0.000272069	0.000127964	0.000224442	0.000210259	0.00052464	0.000272069	0.000130876
5157	0.0002117	0.000198006	0.00044991	0.000246576	0.000108484	0.000207018	0.000194356	0.000475017	0.000246576	0.000112229
5158	0.000187335	0.000175715	0.000389463	0.000214032	9.10247E-05	0.000182458	0.00017165	0.000411224	0.000214032	9.63424E-05
5159	0.000161888	0.00015177	0.000337907	0.000185662	8.81635E-05	0.000157862	0.00014847	0.000356671	0.000185662	9.33254E-05

5160	0.000140907	0.000131783	0.000299627	0.000164574	8.68858E-05	0.000138127	0.000129724	0.00031599	0.000164574	9.1979E-05
5161	0.00012258	0.000114244	0.000267592	0.000146713	8.67298E-05	0.000120974	0.000113371	0.0002819	0.000146713	9.18086E-05
5162	0.000113484	0.000105585	0.000250909	0.000137541	8.78591E-05	0.000112415	0.000105246	0.000264173	0.000137541	9.29696E-05
5163	0.000107399	9.99174E-05	0.000237555	0.000130457	9.28825E-05	0.000106521	9.97399E-05	0.000250063	0.000130457	9.82196E-05
5164	0.000107895	0.000100383	0.000238574	0.000131277	0.000101161	0.000107122	0.000100319	0.000251117	0.000131277	0.000106889
5165	0.000115261	0.000107282	0.000254064	0.000139935	0.000109973	0.000114377	0.000107144	0.000267472	0.000139935	0.000116131
5166	0.000124376	0.000115864	0.000272437	0.000150054	0.00011377	0.000123179	0.000115443	0.000286916	0.000150054	0.000119472
5167	0.000128999	0.000120087	0.000284018	0.000156418	0.000207837	0.000127823	0.000119721	0.000299314	0.000156418	0.000207424
5168	0.000139102	0.000129051	0.000313954	0.000172137	0.000209448	0.00013837	0.000129275	0.000330896	0.000172137	0.000208534
5169	0.000146577	0.000136001	0.000330563	0.000181243	0.000212254	0.000145772	0.000136198	0.000348412	0.000181243	0.000211506
5170	0.000157387	0.00014604	0.000354771	0.000194552	0.000212481	0.000156516	0.000146245	0.00037393	0.000194552	0.000211767
5171	0.000171376	0.000158914	0.000388165	0.000212517	0.000211838	0.00017051	0.000159239	0.000409088	0.000212517	0.000211108
5172	0.000187434	0.000173442	0.000430844	0.000235008	0.000196813	0.000186902	0.000174287	0.000453908	0.000235008	0.000197148
5173	0.000202806	0.000187439	0.000470133	0.000255912	0.000197629	0.000202497	0.000188668	0.0004952	0.000255912	0.000197996
5174	0.000219168	0.000202203	0.000514286	0.000279151	0.00019577	0.000219266	0.00020404	0.000541548	0.000279151	0.000196041
5175	0.000231494	0.000213417	0.000545965	0.000296093	0.000205972	0.000231832	0.000215628	0.000574828	0.000296093	0.000204946
5176	0.000237735	0.000219213	0.000559945	0.000303764	0.000198969	0.000238029	0.000221421	0.000589566	0.000303764	0.000197598
5177	0.000241556	0.000222913	0.000565853	0.000307643	0.000193579	0.000241771	0.000225044	0.000595839	0.000307643	0.000191926
5178	0.000240908	0.000222839	0.000555229	0.000302071	0.000190358	0.000240051	0.000223756	0.000584966	0.000302071	0.000188527
5179	0.000238687	0.000221736	0.000533572	0.00029079	0.000159257	0.000235949	0.000220511	0.000562718	0.00029079	0.000159474
5180	0.000228202	0.000212745	0.000497091	0.000272069	0.000127964	0.000224442	0.000210259	0.00052464	0.000272069	0.000130876
5181	0.0002117	0.000198006	0.00044991	0.000246576	0.000108484	0.000207018	0.000194356	0.000475017	0.000246576	0.000112229
5182	0.000187335	0.000175715	0.000389463	0.000214032	9.10247E-05	0.000182458	0.00017165	0.000411224	0.000214032	9.63424E-05
5183	0.000161888	0.00015177	0.000337907	0.000185662	8.81635E-05	0.000157862	0.00014847	0.000356671	0.000185662	9.33254E-05
5184	0.000140907	0.000131783	0.000299627	0.000164574	8.68858E-05	0.000138127	0.000129724	0.00031599	0.000164574	9.1979E-05
5185	0.00012258	0.000114244	0.000267592	0.000146713	8.67298E-05	0.000120974	0.000113371	0.0002819	0.000146713	9.18086E-05
5186	0.000113484	0.000105585	0.000250909	0.000137541	8.78591E-05	0.000112415	0.000105246	0.000264173	0.000137541	9.29696E-05
5187	0.000107399	9.99174E-05	0.000237555	0.000130457	9.28825E-05	0.000106521	9.97399E-05	0.000250063	0.000130457	9.82196E-05
5188	0.000107895	0.000100383	0.000238574	0.000131277	0.000101161	0.000107122	0.000100319	0.000251117	0.000131277	0.000106889
5189	0.000115261	0.000107282	0.000254064	0.000139935	0.000109973	0.000114377	0.000107144	0.000267472	0.000139935	0.000116131
5190	0.000124376	0.000115864	0.000272437	0.000150054	0.00011377	0.000123179	0.000115443	0.000286916	0.000150054	0.000119472
5191	0.000128999	0.000120087	0.000284018	0.000156418	0.000207837	0.000127823	0.000119721	0.000299314	0.000156418	0.000207424
5192	0.000139102	0.000129051	0.000313954	0.000172137	0.000209448	0.00013837	0.000129275	0.000330896	0.000172137	0.000208534
5193	0.000146577	0.000136001	0.000330563	0.000181243	0.000212254	0.000145772	0.000136198	0.000348412	0.000181243	0.000211506
5194	0.000157387	0.00014604	0.000354771	0.000194552	0.000212481	0.000156516	0.000146245	0.00037393	0.000194552	0.000211767
5195	0.000171376	0.000158914	0.000388165	0.000212517	0.000211838	0.00017051	0.000159239	0.000409088	0.000212517	0.000211108
5196	0.000187434	0.000173442	0.000430844	0.000235008	0.000196813	0.000186902	0.000174287	0.000453908	0.000235008	0.000197148
5197	0.000202806	0.000187439	0.000470133	0.000255912	0.000197629	0.000202497	0.000188668	0.0004952	0.000255912	0.000197996
5198	0.000219168	0.000202203	0.000514286	0.000279151	0.00019577	0.000219266	0.00020404	0.000541548	0.000279151	0.000196041
5199	0.000231494	0.000213417	0.000545965	0.000296093	0.000205972	0.000231832	0.000215628	0.000574828	0.000296093	0.000204946
5200	0.000237735	0.000219213	0.000559945	0.000303764	0.000198969	0.000238029	0.000221421	0.000589566	0.000303764	0.000197598
5201	0.000241556	0.000222913	0.000565853	0.000307643	0.000193579	0.000241771	0.000225044	0.000595839	0.000307643	0.000191926
5202	0.000240908	0.000222839	0.000555229	0.000302071	0.000190358	0.000240051	0.000223756	0.000584966	0.000302071	0.000188527
5203	0.000238687	0.000221736	0.000533572	0.00029079	0.000159257	0.000235949	0.000220511	0.000562718	0.00029079	0.000159474
5204	0.000228202	0.000212745	0.000497091	0.000272069	0.000127964	0.000224442	0.000210259	0.00052464	0.000272069	0.000130876
5205	0.0002117	0.000198006	0.00044991	0.000246576	0.000108484	0.000207018	0.000194356	0.000475017	0.000246576	0.000112229
5206	0.000187335	0.000175715	0.000389463	0.000214032	9.10247E-05	0.000182458	0.00017165	0.000411224	0.000214032	9.63424E-05
5207	0.000161888	0.00015177	0.000337907	0.000185662	8.81635E-05	0.000157862	0.00014847	0.000356671	0.000185662	9.33254E-05
5208	0.000140907	0.000131783	0.000299627	0.000164574	8.68858E-05	0.000138127	0.000129724	0.00031599	0.000164574	9.1979E-05
5209	0.00012258	0.000114244	0.000267592	0.000146713	8.67298E-05	0.000120974	0.000113371	0.0002819	0.000146713	9.18086E-05
5210	0.000113484	0.000105585	0.000250909	0.000137541	8.78591E-05	0.000112415	0.000105246	0.000264173	0.000137541	9.29696E-05
5211	0.000107399	9.99174E-05	0.000237555	0.000130457	9.28825E-05	0.000106521	9.97399E-05	0.000250063	0.000130457	9.82196E-05
5212	0.000107895	0.000100383	0.000238574	0.000131277	0.000101161	0.000107122	0.000100319	0.000251117	0.000131277	0.000106889
5213	0.000115261	0.000107282	0.000254064	0.000139935	0.000109973	0.000114377	0.000107144	0.000267472	0.000139935	0.000116131
5214	0.000124376	0.000115864	0.000272437	0.000150054	0.00011377	0.000123179	0.000115443	0.000286916	0.000150054	0.000119472
5215	0.000128999	0.000120087	0.000284018	0.000156418	0.000207837	0.000127823	0.000119721	0.000299314	0.000156418	0.000207424
5216	0.000139102	0.000129051	0.000313954	0.000172137	0.000209448	0.00013837	0.000129275	0.000330896	0.000172137	0.000208534
5217	0.000146577	0.000136001	0.000330563	0.000181243	0.000212254	0.000145772	0.000136198	0.000348412	0.000181243	0.000211506
5218	0.000157387	0.00014604	0.000354771	0.000194552	0.000212481	0.000156516	0.000146245	0.00037393	0.000194552	0.000211767
5219	0.000171376	0.000158914	0.000388165	0.000212517	0.000211838	0.00017051	0.000159239	0.000409088	0.000212517	0.000211108
5220	0.000187434	0.000173442	0.000430844	0.000235008	0.000196813	0.000186902	0.000174287	0.000453908	0.000235008	0.000197148
5221	0.000202806	0.000187439	0.000470133	0.000255912	0.000197629	0.000202497	0.000188668	0.0004952	0.000255912	0.000197996
5222	0.000219168	0.000202203	0.000514286	0.000279151	0.00019577	0.000219266	0.00020404	0.000541548	0.000279151	0.000196041
5223	0.000231494	0.000213417	0.000545965	0.000296093	0.000205972	0.000231832	0.000215628	0.000574828	0.000296093	0.000204946
5224	0.000237735	0.000219213	0.000559945	0.000303764	0.000198969	0.000238029	0.000221421	0.000589566	0.000303764	0.000197598
5225	0.000241556	0.000222913	0.000565853	0.000307643	0.000193579	0.000241771	0.000225044	0.000595839	0.000307643	0.000191926
5226	0.000240908	0.000222839	0.000555229	0.000302071	0.000190358	0.000240051	0.000223756	0.000584966	0.000302071	0.000188527
5227	0.000238687	0.000221736	0.000533572	0.00029079	0.000159257	0.000235949	0.000220511	0.000562718	0.00029079	0.000159474
5228	0.000228202	0.000212745	0.000497091	0.000272069	0.000127964	0.000224442	0.000210259	0.00052464	0.000272069	0.000130876
5229	0.0002117	0.000198006	0.00044991	0.000246576	0.000108484	0.000207018	0.000194356	0.000475017	0.000246576	0.000112229
5230	0.000187335	0.000175715	0.000389463	0.000214032	9.10247E-05	0.000182458	0.00017165	0.000411224	0.000214032	9.63424E-05
5231	0.000161888	0.00015177	0.000337907	0.000185662	8.81635E-05	0.000157862	0.00014847	0.000356671	0.000185662	9.33254E-05
5232	0.000140907	0.000131783	0.000299627	0.000164574	8.68858E-05	0.000138127	0.000129724	0.00031599	0.000164574	9.1979E-05
5233	0.000121971	0.000113692	0.000265985	0.000145876	8.68363E-05	0.000120358	0.000112806	0.000280211	0.000145876	9.19247E-05
5234	0.000112842	0.000104998	0.000249303	0.000136678	8.76668E-05	0.000111764	0.000104644	0.000262485	0.000136678	9.27667E-05
5235	0.000106667	9.92499E-05	0.0002357	0.000129468	9.27125E-05	0.00010578	9.90553E-05	0.000248112	0.000129468	9.80395E-05

5236	0.000107363	9.98981E-05	0.000237228	0.000130559	0.000100999	0.000106583	9.98215E-05	0.000249702	0.000130559	0.000106718
5237	0.000114879	0.000106934	0.000253093	0.000139418	0.000109815	0.000113991	0.000106788	0.000266451	0.000139418	0.000115963
5238	0.000124287	0.000115782	0.000272229	0.000149937	0.000113771	0.000123088	0.000115358	0.000286697	0.000149937	0.000119473
5239	0.000130495	0.000121674	0.000283946	0.000156479	0.000207519	0.000128971	0.000120927	0.000299227	0.000156479	0.00020709
5240	0.000138631	0.000128621	0.000312768	0.000171502	0.000209301	0.000137893	0.000128833	0.00032965	0.000171502	0.000208378
5241	0.000145792	0.000135282	0.000328634	0.000180194	0.000212107	0.000144974	0.000135459	0.000346384	0.000180194	0.000211348
5242	0.000156147	0.000144907	0.000351676	0.000192886	0.000212218	0.000155259	0.000145082	0.000370676	0.000192886	0.000211487
5243	0.000169517	0.000157213	0.000383568	0.000210028	0.000211532	0.000168623	0.000157491	0.000404255	0.000210028	0.000210781
5244	0.000185217	0.000171409	0.000425412	0.000232049	0.000196523	0.000184649	0.000172198	0.000448196	0.000232049	0.000196838
5245	0.000199576	0.000184489	0.000462021	0.000251561	0.000197287	0.000199221	0.000185641	0.000486672	0.000251561	0.000197631
5246	0.000214955	0.000198365	0.000503557	0.000273448	0.000195341	0.000214999	0.000200104	0.00053027	0.000273448	0.000195585
5247	0.000227062	0.000209379	0.000534675	0.000290093	0.000205648	0.000227343	0.000211487	0.000562961	0.000290093	0.000204601
5248	0.000233215	0.000215098	0.000548369	0.000297631	0.00019865	0.000233452	0.000217203	0.000577399	0.000297631	0.000197256
5249	0.000237163	0.000218908	0.00055472	0.000301707	0.000193253	0.000237321	0.000220936	0.000584136	0.000301707	0.000191576
5250	0.000236168	0.000218521	0.000543141	0.000295651	0.000190011	0.000235251	0.000219329	0.000572259	0.000295651	0.000188157
5251	0.000234674	0.000218076	0.000523425	0.000285372	0.000158872	0.000231883	0.000216757	0.000552052	0.000285372	0.000159064
5252	0.000224466	0.000209338	0.000487628	0.000267022	0.000127569	0.000220657	0.000206765	0.000514693	0.000267022	0.000130454
5253	0.00020672	0.000193239	0.000441237	0.000241825	0.000108049	0.000202338	0.000189885	0.000465913	0.000241825	0.000111766
5254	0.000184412	0.000173048	0.000382099	0.000210091	9.05309E-05	0.000179495	0.000168913	0.000403482	0.000210091	9.58174E-05
5255	0.000159618	0.000149694	0.000332253	0.000182614	8.77136E-05	0.000155559	0.000146339	0.000350727	0.000182614	9.28472E-05
5256	0.000139608	0.000130593	0.000296431	0.000162837	8.66972E-05	0.000136807	0.000128501	0.000312631	0.000162837	9.17782E-05
5257	0.000121971	0.000113692	0.000265985	0.000145876	8.68363E-05	0.000120358	0.000112806	0.000280211	0.000145876	9.19247E-05
5258	0.000112842	0.000104998	0.000249303	0.000136678	8.76668E-05	0.000111764	0.000104644	0.000262485	0.000136678	9.27667E-05
5259	0.000106667	9.92499E-05	0.0002357	0.000129468	9.27125E-05	0.00010578	9.90553E-05	0.000248112	0.000129468	9.80395E-05
5260	0.000107363	9.98981E-05	0.000237228	0.000130559	0.000100999	0.000106583	9.98215E-05	0.000249702	0.000130559	0.000106718
5261	0.000114879	0.000106934	0.000253093	0.000139418	0.000109815	0.000113991	0.000106788	0.000266451	0.000139418	0.000115963
5262	0.000124287	0.000115782	0.000272229	0.000149937	0.000113771	0.000123088	0.000115358	0.000286697	0.000149937	0.000119473
5263	0.000130495	0.000121674	0.000283946	0.000156479	0.000207519	0.000128971	0.000120927	0.000299227	0.000156479	0.00020709
5264	0.000138631	0.000128621	0.000312768	0.000171502	0.000209301	0.000137893	0.000128833	0.00032965	0.000171502	0.000208378
5265	0.000145792	0.000135282	0.000328634	0.000180194	0.000212107	0.000144974	0.000135459	0.000346384	0.000180194	0.000211348
5266	0.000156147	0.000144907	0.000351676	0.000192886	0.000212218	0.000155259	0.000145082	0.000370676	0.000192886	0.000211487
5267	0.000169517	0.000157213	0.000383568	0.000210028	0.000211532	0.000168623	0.000157491	0.000404255	0.000210028	0.000210781
5268	0.000185217	0.000171409	0.000425412	0.000232049	0.000196523	0.000184649	0.000172198	0.000448196	0.000232049	0.000196838
5269	0.000199576	0.000184489	0.000462021	0.000251561	0.000197287	0.000199221	0.000185641	0.000486672	0.000251561	0.000197631
5270	0.000214955	0.000198365	0.000503557	0.000273448	0.000195341	0.000214999	0.000200104	0.00053027	0.000273448	0.000195585
5271	0.000227062	0.000209379	0.000534675	0.000290093	0.000205648	0.000227343	0.000211487	0.000562961	0.000290093	0.000204601
5272	0.000233215	0.000215098	0.000548369	0.000297631	0.00019865	0.000233452	0.000217203	0.000577399	0.000297631	0.000197256
5273	0.000237163	0.000218908	0.00055472	0.000301707	0.000193253	0.000237321	0.000220936	0.000584136	0.000301707	0.000191576
5274	0.000236168	0.000218521	0.000543141	0.000295651	0.000190011	0.000235251	0.000219329	0.000572259	0.000295651	0.000188157
5275	0.000234674	0.000218076	0.000523425	0.000285372	0.000158872	0.000231883	0.000216757	0.000552052	0.000285372	0.000159064
5276	0.000224466	0.000209338	0.000487628	0.000267022	0.000127569	0.000220657	0.000206765	0.000514693	0.000267022	0.000130454
5277	0.00020672	0.000193239	0.000441237	0.000241825	0.000108049	0.000202338	0.000189885	0.000465913	0.000241825	0.000111766
5278	0.000184412	0.000173048	0.000382099	0.000210091	9.05309E-05	0.000179495	0.000168913	0.000403482	0.000210091	9.58174E-05
5279	0.000159618	0.000149694	0.000332253	0.000182614	8.77136E-05	0.000155559	0.000146339	0.000350727	0.000182614	9.28472E-05
5280	0.000139608	0.000130593	0.000296431	0.000162837	8.66972E-05	0.000136807	0.000128501	0.000312631	0.000162837	9.17782E-05
5281	0.00012258	0.000114244	0.000267592	0.000146713	8.67298E-05	0.000120974	0.000113371	0.0002819	0.000146713	9.18086E-05
5282	0.000113484	0.000105585	0.000250909	0.000137541	8.78591E-05	0.000112415	0.000105246	0.000264173	0.000137541	9.29696E-05
5283	0.000107399	9.99174E-05	0.000237555	0.000130457	9.28825E-05	0.000106521	9.97399E-05	0.000250063	0.000130457	9.82196E-05
5284	0.000107895	0.000100383	0.000238574	0.000131277	0.000101161	0.000107122	0.000100319	0.000251117	0.000131277	0.000106889
5285	0.000115261	0.000107282	0.000254064	0.000139935	0.000109973	0.000114377	0.000107144	0.000267472	0.000139935	0.000116131
5286	0.000124376	0.000115864	0.000272437	0.000150054	0.00011377	0.000123179	0.000115443	0.000286916	0.000150054	0.000119472
5287	0.000128999	0.000120087	0.000284018	0.000156418	0.000207837	0.000127823	0.000119721	0.000299314	0.000156418	0.000207424
5288	0.000139102	0.000129051	0.000313954	0.000172137	0.000209448	0.00013837	0.000129275	0.000330896	0.000172137	0.000208534
5289	0.000146577	0.000136001	0.000330563	0.000181243	0.000212254	0.000145772	0.000136198	0.000348412	0.000181243	0.000211506
5290	0.000157387	0.00014604	0.000354771	0.000194552	0.000212481	0.000156516	0.000146245	0.00037393	0.000194552	0.000211767
5291	0.000171376	0.000158914	0.000388165	0.000212517	0.000211838	0.00017051	0.000159239	0.000409088	0.000212517	0.000211108
5292	0.000187434	0.000173442	0.000430844	0.000235008	0.000196813	0.000186902	0.000174287	0.000453908	0.000235008	0.000197148
5293	0.000202806	0.000187439	0.000470133	0.000255912	0.000197629	0.000202497	0.000188668	0.0004952	0.000255912	0.000197996
5294	0.000219168	0.000202203	0.000514286	0.000279151	0.00019577	0.000219266	0.00020404	0.000541548	0.000279151	0.000196041
5295	0.000231494	0.000213417	0.000545965	0.000296093	0.000205972	0.000231832	0.000215628	0.000574828	0.000296093	0.000204946
5296	0.000237735	0.000219213	0.000559945	0.000303764	0.000198969	0.000238029	0.000221421	0.000589566	0.000303764	0.000197598
5297	0.000241556	0.000222913	0.000565853	0.000307643	0.000193579	0.000241771	0.000225044	0.000595839	0.000307643	0.000191926
5298	0.000240908	0.000222839	0.000555229	0.000302071	0.000190358	0.000240051	0.000223756	0.000584966	0.000302071	0.000188527
5299	0.000238687	0.000221736	0.000533572	0.00029079	0.000159257	0.000235949	0.000220511	0.000562718	0.00029079	0.000159474
5300	0.000228202	0.000212745	0.000497091	0.000272069	0.000127964	0.000224442	0.000210259	0.00052464	0.000272069	0.000130876
5301	0.0002117	0.000198006	0.00044991	0.000246576	0.000108484	0.000207018	0.000194356	0.000475017	0.000246576	0.000112229
5302	0.000187335	0.000175715	0.000389463	0.000214032	9.10247E-05	0.000182458	0.00017165	0.000411224	0.000214032	9.63424E-05
5303	0.000161888	0.00015177	0.000337907	0.000185662	8.81635E-05	0.000157862	0.00014847	0.000356671	0.000185662	9.33254E-05
5304	0.000140907	0.000131783	0.000299627	0.000164574	8.68858E-05	0.000138127	0.000129724	0.00031599	0.000164574	9.1979E-05
5305	0.00012258	0.000114244	0.000267592	0.000146713	8.67298E-05	0.000120974	0.000113371	0.0002819	0.000146713	9.18086E-05
5306	0.000113484	0.000105585	0.000250909	0.000137541	8.78591E-05	0.000112415	0.000105246	0.000264173	0.000137541	9.29696E-05
5307	0.000107399	9.99174E-05	0.000237555	0.000130457	9.28825E-05	0.000106521	9.97399E-05	0.000250063	0.000130457	9.82196E-05
5308	0.000107895	0.000100383	0.000238574	0.000131277	0.000101161	0.000107122	0.000100319	0.000251117	0.000131277	0.000106889
5309	0.000115261	0.000107282	0.000254064	0.000139935	0.000109973	0.000114377	0.000107144	0.000267472	0.000139935	0.000116131
5310	0.000124376	0.000115864	0.000272437	0.000150054	0.00011377	0.000123179	0.000115443	0.000286916	0.000150054	0.000119472
5311	0.000128999	0.000120087	0.000284018	0.000156418	0.000207837	0.000127823	0.000119721	0.000299314	0.000156418	0.000207424

5312	0.000139102	0.000129051	0.000313954	0.000172137	0.000209448	0.00013837	0.000129275	0.000330896	0.000172137	0.000208534
5313	0.000146577	0.000136001	0.000330563	0.000181243	0.000212254	0.000145772	0.000136198	0.000348412	0.000181243	0.000211506
5314	0.000157387	0.00014604	0.000354771	0.000194552	0.000212481	0.000156516	0.000146245	0.00037393	0.000194552	0.000211767
5315	0.000171376	0.000158914	0.000388165	0.000212517	0.000211838	0.00017051	0.000159239	0.000409088	0.000212517	0.000211108
5316	0.000187434	0.000173442	0.000430844	0.000235008	0.000196813	0.000186902	0.000174287	0.000453908	0.000235008	0.000197148
5317	0.000202806	0.000187439	0.000470133	0.000255912	0.000197629	0.000202497	0.000188668	0.0004952	0.000255912	0.000197996
5318	0.000219168	0.000202203	0.000514286	0.000279151	0.00019577	0.000219266	0.00020404	0.000541548	0.000279151	0.000196041
5319	0.000231494	0.000213417	0.000545965	0.000296093	0.000205972	0.000231832	0.000215628	0.000574828	0.000296093	0.000204946
5320	0.000237735	0.000219213	0.000559945	0.000303764	0.000198969	0.000238029	0.000221421	0.000589566	0.000303764	0.000197598
5321	0.000241556	0.000222913	0.000565853	0.000307643	0.000193579	0.000241771	0.000225044	0.000595839	0.000307643	0.000191926
5322	0.000240908	0.000222839	0.000555229	0.000302071	0.000190358	0.000240051	0.000223756	0.000584966	0.000302071	0.000188527
5323	0.000238687	0.000221736	0.000533572	0.00029079	0.000159257	0.000235949	0.000220511	0.000562718	0.00029079	0.000159474
5324	0.000228202	0.000212745	0.000497091	0.000272069	0.000127964	0.000224442	0.000210259	0.00052464	0.000272069	0.000130876
5325	0.0002117	0.000198006	0.00044991	0.000246576	0.000108484	0.000207018	0.000194356	0.000475017	0.000246576	0.000112229
5326	0.000187335	0.000175715	0.000389463	0.000214032	9.10247E-05	0.000182458	0.00017165	0.000411224	0.000214032	9.63424E-05
5327	0.000161888	0.00015177	0.000337907	0.000185662	8.81635E-05	0.000157862	0.00014847	0.000356671	0.000185662	9.33254E-05
5328	0.000140907	0.000131783	0.000299627	0.000164574	8.68858E-05	0.000138127	0.000129724	0.00031599	0.000164574	9.1979E-05
5329	0.00012258	0.000114244	0.000267592	0.000146713	8.67298E-05	0.000120974	0.000113371	0.0002819	0.000146713	9.18086E-05
5330	0.000113484	0.000105585	0.000250909	0.000137541	8.78591E-05	0.000112415	0.000105246	0.000264173	0.000137541	9.29696E-05
5331	0.000107399	9.99174E-05	0.000237555	0.000130457	9.28825E-05	0.000106521	9.97399E-05	0.000250063	0.000130457	9.82196E-05
5332	0.000107895	0.000100383	0.000238574	0.000131277	0.000101161	0.000107122	0.000100319	0.000251117	0.000131277	0.000106889
5333	0.000115261	0.000107282	0.000254064	0.000139935	0.000109973	0.000114377	0.000107144	0.000267472	0.000139935	0.000116131
5334	0.000124376	0.000115864	0.000272437	0.000150054	0.00011377	0.000123179	0.000115443	0.000286916	0.000150054	0.000119472
5335	0.000128999	0.000120087	0.000284018	0.000156418	0.000207837	0.000127823	0.000119721	0.000299314	0.000156418	0.000207424
5336	0.000139102	0.000129051	0.000313954	0.000172137	0.000209448	0.00013837	0.000129275	0.000330896	0.000172137	0.000208534
5337	0.000146577	0.000136001	0.000330563	0.000181243	0.000212254	0.000145772	0.000136198	0.000348412	0.000181243	0.000211506
5338	0.000157387	0.00014604	0.000354771	0.000194552	0.000212481	0.000156516	0.000146245	0.00037393	0.000194552	0.000211767
5339	0.000171376	0.000158914	0.000388165	0.000212517	0.000211838	0.00017051	0.000159239	0.000409088	0.000212517	0.000211108
5340	0.000187434	0.000173442	0.000430844	0.000235008	0.000196813	0.000186902	0.000174287	0.000453908	0.000235008	0.000197148
5341	0.000202806	0.000187439	0.000470133	0.000255912	0.000197629	0.000202497	0.000188668	0.0004952	0.000255912	0.000197996
5342	0.000219168	0.000202203	0.000514286	0.000279151	0.00019577	0.000219266	0.00020404	0.000541548	0.000279151	0.000196041
5343	0.000231494	0.000213417	0.000545965	0.000296093	0.000205972	0.000231832	0.000215628	0.000574828	0.000296093	0.000204946
5344	0.000237735	0.000219213	0.000559945	0.000303764	0.000198969	0.000238029	0.000221421	0.000589566	0.000303764	0.000197598
5345	0.000241556	0.000222913	0.000565853	0.000307643	0.000193579	0.000241771	0.000225044	0.000595839	0.000307643	0.000191926
5346	0.000240908	0.000222839	0.000555229	0.000302071	0.000190358	0.000240051	0.000223756	0.000584966	0.000302071	0.000188527
5347	0.000238687	0.000221736	0.000533572	0.00029079	0.000159257	0.000235949	0.000220511	0.000562718	0.00029079	0.000159474
5348	0.000228202	0.000212745	0.000497091	0.000272069	0.000127964	0.000224442	0.000210259	0.00052464	0.000272069	0.000130876
5349	0.0002117	0.000198006	0.00044991	0.000246576	0.000108484	0.000207018	0.000194356	0.000475017	0.000246576	0.000112229
5350	0.000187335	0.000175715	0.000389463	0.000214032	9.10247E-05	0.000182458	0.00017165	0.000411224	0.000214032	9.63424E-05
5351	0.000161888	0.00015177	0.000337907	0.000185662	8.81635E-05	0.000157862	0.00014847	0.000356671	0.000185662	9.33254E-05
5352	0.000140907	0.000131783	0.000299627	0.000164574	8.68858E-05	0.000138127	0.000129724	0.00031599	0.000164574	9.1979E-05
5353	0.00012258	0.000114244	0.000267592	0.000146713	8.67298E-05	0.000120974	0.000113371	0.0002819	0.000146713	9.18086E-05
5354	0.000113484	0.000105585	0.000250909	0.000137541	8.78591E-05	0.000112415	0.000105246	0.000264173	0.000137541	9.29696E-05
5355	0.000107399	9.99174E-05	0.000237555	0.000130457	9.28825E-05	0.000106521	9.97399E-05	0.000250063	0.000130457	9.82196E-05
5356	0.000107895	0.000100383	0.000238574	0.000131277	0.000101161	0.000107122	0.000100319	0.000251117	0.000131277	0.000106889
5357	0.000115261	0.000107282	0.000254064	0.000139935	0.000109973	0.000114377	0.000107144	0.000267472	0.000139935	0.000116131
5358	0.000124376	0.000115864	0.000272437	0.000150054	0.00011377	0.000123179	0.000115443	0.000286916	0.000150054	0.000119472
5359	0.000128999	0.000120087	0.000284018	0.000156418	0.000207837	0.000127823	0.000119721	0.000299314	0.000156418	0.000207424
5360	0.000139102	0.000129051	0.000313954	0.000172137	0.000209448	0.00013837	0.000129275	0.000330896	0.000172137	0.000208534
5361	0.000146577	0.000136001	0.000330563	0.000181243	0.000212254	0.000145772	0.000136198	0.000348412	0.000181243	0.000211506
5362	0.000157387	0.00014604	0.000354771	0.000194552	0.000212481	0.000156516	0.000146245	0.00037393	0.000194552	0.000211767
5363	0.000171376	0.000158914	0.000388165	0.000212517	0.000211838	0.00017051	0.000159239	0.000409088	0.000212517	0.000211108
5364	0.000187434	0.000173442	0.000430844	0.000235008	0.000196813	0.000186902	0.000174287	0.000453908	0.000235008	0.000197148
5365	0.000202806	0.000187439	0.000470133	0.000255912	0.000197629	0.000202497	0.000188668	0.0004952	0.000255912	0.000197996
5366	0.000219168	0.000202203	0.000514286	0.000279151	0.00019577	0.000219266	0.00020404	0.000541548	0.000279151	0.000196041
5367	0.000231494	0.000213417	0.000545965	0.000296093	0.000205972	0.000231832	0.000215628	0.000574828	0.000296093	0.000204946
5368	0.000237735	0.000219213	0.000559945	0.000303764	0.000198969	0.000238029	0.000221421	0.000589566	0.000303764	0.000197598
5369	0.000241556	0.000222913	0.000565853	0.000307643	0.000193579	0.000241771	0.000225044	0.000595839	0.000307643	0.000191926
5370	0.000240908	0.000222839	0.000555229	0.000302071	0.000190358	0.000240051	0.000223756	0.000584966	0.000302071	0.000188527
5371	0.000238687	0.000221736	0.000533572	0.00029079	0.000159257	0.000235949	0.000220511	0.000562718	0.00029079	0.000159474
5372	0.000228202	0.000212745	0.000497091	0.000272069	0.000127964	0.000224442	0.000210259	0.00052464	0.000272069	0.000130876
5373	0.0002117	0.000198006	0.00044991	0.000246576	0.000108484	0.000207018	0.000194356	0.000475017	0.000246576	0.000112229
5374	0.000187335	0.000175715	0.000389463	0.000214032	9.10247E-05	0.000182458	0.00017165	0.000411224	0.000214032	9.63424E-05
5375	0.000161888	0.00015177	0.000337907	0.000185662	8.81635E-05	0.000157862	0.00014847	0.000356671	0.000185662	9.33254E-05
5376	0.000140907	0.000131783	0.000299627	0.000164574	8.68858E-05	0.000138127	0.000129724	0.00031599	0.000164574	9.1979E-05
5377	0.00012258	0.000114244	0.000267592	0.000146713	8.67298E-05	0.000120974	0.000113371	0.0002819	0.000146713	9.18086E-05
5378	0.000113484	0.000105585	0.000250909	0.000137541	8.78591E-05	0.000112415	0.000105246	0.000264173	0.000137541	9.29696E-05
5379	0.000107399	9.99174E-05	0.000237555	0.000130457	9.28825E-05	0.000106521	9.97399E-05	0.000250063	0.000130457	9.82196E-05
5380	0.000107895	0.000100383	0.000238574	0.000131277	0.000101161	0.000107122	0.000100319	0.000251117	0.000131277	0.000106889
5381	0.000115261	0.000107282	0.000254064	0.000139935	0.000109973	0.000114377	0.000107144	0.000267472	0.000139935	0.000116131
5382	0.000124376	0.000115864	0.000272437	0.000150054	0.00011377	0.000123179	0.000115443	0.000286916	0.000150054	0.000119472
5383	0.000128999	0.000120087	0.000284018	0.000156418	0.000207837	0.000127823	0.000119721	0.000299314	0.000156418	0.000207424
5384	0.000139102	0.000129051	0.000313954	0.000172137	0.000209448	0.00013837	0.000129275	0.000330896	0.000172137	0.000208534
5385	0.000146577	0.000136001	0.000330563	0.000181243	0.000212254	0.000145772	0.000136198	0.000348412	0.000181243	0.000211506
5386	0.000157387	0.00014604	0.000354771	0.000194552	0.000212481	0.000156516	0.000146245	0.00037393	0.000194552	0.000211767
5387	0.000171376	0.000158914	0.000388165	0.000212517	0.000211838	0.00017051	0.000159239	0.000409088	0.000212517	0.000211108

5388	0.000187434	0.000173442	0.000430844	0.000235008	0.000196813	0.000186902	0.000174287	0.000453908	0.000235008	0.000197148
5389	0.000202806	0.000187439	0.000470133	0.000255912	0.000197629	0.000202497	0.000188668	0.0004952	0.000255912	0.000197996
5390	0.000219168	0.000202203	0.000514286	0.000279151	0.00019577	0.000219266	0.00020404	0.000541548	0.000279151	0.000196041
5391	0.000231494	0.000213417	0.000545965	0.000296093	0.000205972	0.000231832	0.000215628	0.000574828	0.000296093	0.000204946
5392	0.000237735	0.000219213	0.000559945	0.000303764	0.000198969	0.000238029	0.000221421	0.000589566	0.000303764	0.000197598
5393	0.000241556	0.000222913	0.000565853	0.000307643	0.000193579	0.000241771	0.000225044	0.000595839	0.000307643	0.000191926
5394	0.000240908	0.000222839	0.000555229	0.000302071	0.000190358	0.000240051	0.000223756	0.000584966	0.000302071	0.000188527
5395	0.000238687	0.000221736	0.000533572	0.00029079	0.000159257	0.000235949	0.000220511	0.000562718	0.00029079	0.000159474
5396	0.000228202	0.000212745	0.000497091	0.000272069	0.000127964	0.000224442	0.000210259	0.00052464	0.000272069	0.000130876
5397	0.0002117	0.000198006	0.00044991	0.000246576	0.000108484	0.000207018	0.000194356	0.000475017	0.000246576	0.000112229
5398	0.000187335	0.000175715	0.000389463	0.000214032	9.10247E-05	0.000182458	0.00017165	0.000411224	0.000214032	9.63424E-05
5399	0.000161888	0.00015177	0.000337907	0.000185662	8.81635E-05	0.000157862	0.00014847	0.000356671	0.000185662	9.33254E-05
5400	0.000140907	0.000131783	0.000299627	0.000164574	8.68858E-05	0.000138127	0.000129724	0.00031599	0.000164574	9.1979E-05
5401	0.000121971	0.000113692	0.000265985	0.000145876	8.68363E-05	0.000120358	0.000112806	0.000280211	0.000145876	9.19247E-05
5402	0.000112842	0.000104998	0.000249303	0.000136678	8.76668E-05	0.000111764	0.000104644	0.000262485	0.000136678	9.27667E-05
5403	0.000106667	9.92499E-05	0.0002357	0.000129468	9.27125E-05	0.00010578	9.90553E-05	0.000248112	0.000129468	9.80395E-05
5404	0.000107363	9.98981E-05	0.000237228	0.000130559	0.000100999	0.000106583	9.98215E-05	0.000249702	0.000130559	0.000106718
5405	0.000114879	0.000106934	0.000253093	0.000139418	0.000109815	0.000113991	0.000106788	0.000266451	0.000139418	0.000115963
5406	0.000124287	0.000115782	0.000272229	0.000149937	0.000113771	0.000123088	0.000115358	0.000286697	0.000149937	0.000119473
5407	0.000130495	0.000121674	0.000283946	0.000156479	0.000207519	0.000128971	0.000120927	0.000299227	0.000156479	0.00020709
5408	0.000138631	0.000128621	0.000312768	0.000171502	0.000209301	0.000137893	0.000128833	0.00032965	0.000171502	0.000208378
5409	0.000145792	0.000135282	0.000328634	0.000180194	0.000212107	0.000144974	0.000135459	0.000346384	0.000180194	0.000211348
5410	0.000156147	0.000144907	0.000351676	0.000192886	0.000212218	0.000155259	0.000145082	0.000370676	0.000192886	0.000211487
5411	0.000169517	0.000157213	0.000383568	0.000210028	0.000211532	0.000168623	0.000157491	0.000404255	0.000210028	0.000210781
5412	0.000185217	0.000171409	0.000425412	0.000232049	0.000196523	0.000184649	0.000172198	0.000448196	0.000232049	0.000196838
5413	0.000199576	0.000184489	0.000462021	0.000251561	0.000197287	0.000199221	0.000185641	0.000486672	0.000251561	0.000197631
5414	0.000214955	0.000198365	0.000503557	0.000273448	0.000195341	0.000214999	0.000200104	0.00053027	0.000273448	0.000195585
5415	0.000227062	0.000209379	0.000534675	0.000290093	0.000205648	0.000227343	0.000211487	0.000562961	0.000290093	0.000204601
5416	0.000233215	0.000215098	0.000548369	0.000297631	0.00019865	0.000233452	0.000217203	0.000577399	0.000297631	0.000197256
5417	0.000237163	0.000218908	0.00055472	0.000301707	0.000193253	0.000237321	0.000220936	0.000584136	0.000301707	0.000191576
5418	0.000236168	0.000218521	0.000543141	0.000295651	0.000190011	0.000235251	0.000219329	0.000572259	0.000295651	0.000188157
5419	0.000234674	0.000218076	0.000523425	0.000285372	0.000158872	0.000231883	0.000216757	0.000552052	0.000285372	0.000159064
5420	0.000224466	0.000209338	0.000487628	0.000267022	0.000127569	0.000220657	0.000206765	0.000514693	0.000267022	0.000130454
5421	0.00020672	0.000193239	0.000441237	0.000241825	0.000108049	0.000202338	0.000189885	0.000465913	0.000241825	0.000111766
5422	0.000184412	0.000173048	0.000382099	0.000210091	9.05309E-05	0.000179495	0.000168913	0.000403482	0.000210091	9.58174E-05
5423	0.000159618	0.000149694	0.000332253	0.000182614	8.77136E-05	0.000155559	0.000146339	0.000350727	0.000182614	9.28472E-05
5424	0.000139608	0.000130593	0.000296431	0.000162837	8.66972E-05	0.000136807	0.000128501	0.000312631	0.000162837	9.17782E-05
5425	0.000121971	0.000113692	0.000265985	0.000145876	8.68363E-05	0.000120358	0.000112806	0.000280211	0.000145876	9.19247E-05
5426	0.000112842	0.000104998	0.000249303	0.000136678	8.76668E-05	0.000111764	0.000104644	0.000262485	0.000136678	9.27667E-05
5427	0.000106667	9.92499E-05	0.0002357	0.000129468	9.27125E-05	0.00010578	9.90553E-05	0.000248112	0.000129468	9.80395E-05
5428	0.000107363	9.98981E-05	0.000237228	0.000130559	0.000100999	0.000106583	9.98215E-05	0.000249702	0.000130559	0.000106718
5429	0.000114879	0.000106934	0.000253093	0.000139418	0.000109815	0.000113991	0.000106788	0.000266451	0.000139418	0.000115963
5430	0.000124287	0.000115782	0.000272229	0.000149937	0.000113771	0.000123088	0.000115358	0.000286697	0.000149937	0.000119473
5431	0.000130495	0.000121674	0.000283946	0.000156479	0.000207519	0.000128971	0.000120927	0.000299227	0.000156479	0.00020709
5432	0.000138631	0.000128621	0.000312768	0.000171502	0.000209301	0.000137893	0.000128833	0.00032965	0.000171502	0.000208378
5433	0.000145792	0.000135282	0.000328634	0.000180194	0.000212107	0.000144974	0.000135459	0.000346384	0.000180194	0.000211348
5434	0.000156147	0.000144907	0.000351676	0.000192886	0.000212218	0.000155259	0.000145082	0.000370676	0.000192886	0.000211487
5435	0.000169517	0.000157213	0.000383568	0.000210028	0.000211532	0.000168623	0.000157491	0.000404255	0.000210028	0.000210781
5436	0.000185217	0.000171409	0.000425412	0.000232049	0.000196523	0.000184649	0.000172198	0.000448196	0.000232049	0.000196838
5437	0.000199576	0.000184489	0.000462021	0.000251561	0.000197287	0.000199221	0.000185641	0.000486672	0.000251561	0.000197631
5438	0.000214955	0.000198365	0.000503557	0.000273448	0.000195341	0.000214999	0.000200104	0.00053027	0.000273448	0.000195585
5439	0.000227062	0.000209379	0.000534675	0.000290093	0.000205648	0.000227343	0.000211487	0.000562961	0.000290093	0.000204601
5440	0.000233215	0.000215098	0.000548369	0.000297631	0.00019865	0.000233452	0.000217203	0.000577399	0.000297631	0.000197256
5441	0.000237163	0.000218908	0.00055472	0.000301707	0.000193253	0.000237321	0.000220936	0.000584136	0.000301707	0.000191576
5442	0.000236168	0.000218521	0.000543141	0.000295651	0.000190011	0.000235251	0.000219329	0.000572259	0.000295651	0.000188157
5443	0.000234674	0.000218076	0.000523425	0.000285372	0.000158872	0.000231883	0.000216757	0.000552052	0.000285372	0.000159064
5444	0.000224466	0.000209338	0.000487628	0.000267022	0.000127569	0.000220657	0.000206765	0.000514693	0.000267022	0.000130454
5445	0.00020672	0.000193239	0.000441237	0.000241825	0.000108049	0.000202338	0.000189885	0.000465913	0.000241825	0.000111766
5446	0.000184412	0.000173048	0.000382099	0.000210091	9.05309E-05	0.000179495	0.000168913	0.000403482	0.000210091	9.58174E-05
5447	0.000159618	0.000149694	0.000332253	0.000182614	8.77136E-05	0.000155559	0.000146339	0.000350727	0.000182614	9.28472E-05
5448	0.000139608	0.000130593	0.000296431	0.000162837	8.66972E-05	0.000136807	0.000128501	0.000312631	0.000162837	9.17782E-05
5449	0.00012258	0.000114244	0.000267592	0.000146713	8.67298E-05	0.000120974	0.000113371	0.0002819	0.000146713	9.18086E-05
5450	0.000113484	0.000105585	0.000250909	0.000137541	8.78591E-05	0.000112415	0.000105246	0.000264173	0.000137541	9.29696E-05
5451	0.000107399	9.99174E-05	0.000237555	0.000130457	9.28825E-05	0.000106521	9.97399E-05	0.000250063	0.000130457	9.82196E-05
5452	0.000107895	0.000100383	0.000238574	0.000131277	0.000101161	0.000107122	0.000100319	0.000251117	0.000131277	0.000106889
5453	0.000115261	0.000107282	0.000254064	0.000139935	0.000109973	0.000114377	0.000107144	0.000267472	0.000139935	0.000116131
5454	0.000124376	0.000115864	0.000272437	0.000150054	0.00011377	0.000123179	0.000115443	0.000286916	0.000150054	0.000119472
5455	0.000128999	0.000120087	0.000284018	0.000156418	0.000207837	0.000127823	0.000119721	0.000299314	0.000156418	0.000207424
5456	0.000139102	0.000129051	0.000313954	0.000172137	0.000209448	0.00013837	0.000129275	0.000330896	0.000172137	0.000208534
5457	0.000146577	0.000136001	0.000330563	0.000181243	0.000212254	0.000145772	0.000136198	0.000348412	0.000181243	0.000211506
5458	0.000157387	0.00014604	0.000354771	0.000194552	0.000212481	0.000156516	0.000146245	0.00037393	0.000194552	0.000211767
5459	0.000171376	0.000158914	0.000388165	0.000212517	0.000211838	0.00017051	0.000159239	0.000409088	0.000212517	0.000211108
5460	0.000187434	0.000173442	0.000430844	0.000235008	0.000196813	0.000186902	0.000174287	0.000453908	0.000235008	0.000197148
5461	0.000202806	0.000187439	0.000470133	0.000255912	0.000197629	0.000202497	0.000188668	0.0004952	0.000255912	0.000197996
5462	0.000219168	0.000202203	0.000514286	0.000279151	0.00019577	0.000219266	0.00020404	0.000541548	0.000279151	0.000196041
5463	0.000231494	0.000213417	0.000545965	0.000296093	0.000205972	0.000231832	0.000215628	0.000574828	0.000296093	0.000204946

5464	0.000237735	0.000219213	0.000559945	0.000303764	0.000198969	0.000238029	0.000221421	0.000589566	0.000303764	0.000197598
5465	0.000241556	0.000222913	0.000565853	0.000307643	0.000193579	0.000241771	0.000225044	0.000595839	0.000307643	0.000191926
5466	0.000240908	0.000222839	0.000555229	0.000302071	0.000190358	0.000240051	0.000223756	0.000584966	0.000302071	0.000188527
5467	0.000238687	0.000221736	0.000533572	0.00029079	0.000159257	0.000235949	0.000220511	0.000562718	0.00029079	0.000159474
5468	0.000228202	0.000212745	0.000497091	0.000272069	0.000127964	0.000224442	0.000210259	0.00052464	0.000272069	0.000130876
5469	0.0002117	0.000198006	0.00044991	0.000246576	0.000108484	0.000207018	0.000194356	0.000475017	0.000246576	0.000112229
5470	0.000187335	0.000175715	0.000389463	0.000214032	9.10247E-05	0.000182458	0.00017165	0.000411224	0.000214032	9.63424E-05
5471	0.000161888	0.00015177	0.000337907	0.000185662	8.81635E-05	0.000157862	0.00014847	0.000356671	0.000185662	9.33254E-05
5472	0.000140907	0.000131783	0.000299627	0.000164574	8.68858E-05	0.000138127	0.000129724	0.00031599	0.000164574	9.1979E-05
5473	0.00012258	0.000114244	0.000267592	0.000146713	8.67298E-05	0.000120974	0.000113371	0.0002819	0.000146713	9.18086E-05
5474	0.000113484	0.000105585	0.000250909	0.000137541	8.78591E-05	0.000112415	0.000105246	0.000264173	0.000137541	9.29696E-05
5475	0.000107399	9.99174E-05	0.000237555	0.000130457	9.28825E-05	0.000106521	9.97399E-05	0.000250063	0.000130457	9.82196E-05
5476	0.000107895	0.000100383	0.000238574	0.000131277	0.000101161	0.000107122	0.000100319	0.000251117	0.000131277	0.000106889
5477	0.000115261	0.000107282	0.000254064	0.000139935	0.000109973	0.000114377	0.000107144	0.000267472	0.000139935	0.000116131
5478	0.000124376	0.000115864	0.000272437	0.000150054	0.00011377	0.000123179	0.000115443	0.000286916	0.000150054	0.000119472
5479	0.000128999	0.000120087	0.000284018	0.000156418	0.000207837	0.000127823	0.000119721	0.000299314	0.000156418	0.000207424
5480	0.000139102	0.000129051	0.000313954	0.000172137	0.000209448	0.00013837	0.000129275	0.000330896	0.000172137	0.000208534
5481	0.000146577	0.000136001	0.000330563	0.000181243	0.000212254	0.000145772	0.000136198	0.000348412	0.000181243	0.000211506
5482	0.000157387	0.00014604	0.000354771	0.000194552	0.000212481	0.000156516	0.000146245	0.00037393	0.000194552	0.000211767
5483	0.000171376	0.000158914	0.000388165	0.000212517	0.000211838	0.00017051	0.000159239	0.000409088	0.000212517	0.000211108
5484	0.000187434	0.000173442	0.000430844	0.000235008	0.000196813	0.000186902	0.000174287	0.000453908	0.000235008	0.000197148
5485	0.000202806	0.000187439	0.000470133	0.000255912	0.000197629	0.000202497	0.000188668	0.0004952	0.000255912	0.000197996
5486	0.000219168	0.000202203	0.000514286	0.000279151	0.00019577	0.000219266	0.00020404	0.000541548	0.000279151	0.000196041
5487	0.000231494	0.000213417	0.000545965	0.000296093	0.000205972	0.000231832	0.000215628	0.000574828	0.000296093	0.000204946
5488	0.000237735	0.000219213	0.000559945	0.000303764	0.000198969	0.000238029	0.000221421	0.000589566	0.000303764	0.000197598
5489	0.000241556	0.000222913	0.000565853	0.000307643	0.000193579	0.000241771	0.000225044	0.000595839	0.000307643	0.000191926
5490	0.000240908	0.000222839	0.000555229	0.000302071	0.000190358	0.000240051	0.000223756	0.000584966	0.000302071	0.000188527
5491	0.000238687	0.000221736	0.000533572	0.00029079	0.000159257	0.000235949	0.000220511	0.000562718	0.00029079	0.000159474
5492	0.000228202	0.000212745	0.000497091	0.000272069	0.000127964	0.000224442	0.000210259	0.00052464	0.000272069	0.000130876
5493	0.0002117	0.000198006	0.00044991	0.000246576	0.000108484	0.000207018	0.000194356	0.000475017	0.000246576	0.000112229
5494	0.000187335	0.000175715	0.000389463	0.000214032	9.10247E-05	0.000182458	0.00017165	0.000411224	0.000214032	9.63424E-05
5495	0.000161888	0.00015177	0.000337907	0.000185662	8.81635E-05	0.000157862	0.00014847	0.000356671	0.000185662	9.33254E-05
5496	0.000140907	0.000131783	0.000299627	0.000164574	8.68858E-05	0.000138127	0.000129724	0.00031599	0.000164574	9.1979E-05
5497	0.00012258	0.000114244	0.000267592	0.000146713	8.67298E-05	0.000120974	0.000113371	0.0002819	0.000146713	9.18086E-05
5498	0.000113484	0.000105585	0.000250909	0.000137541	8.78591E-05	0.000112415	0.000105246	0.000264173	0.000137541	9.29696E-05
5499	0.000107399	9.99174E-05	0.000237555	0.000130457	9.28825E-05	0.000106521	9.97399E-05	0.000250063	0.000130457	9.82196E-05
5500	0.000107895	0.000100383	0.000238574	0.000131277	0.000101161	0.000107122	0.000100319	0.000251117	0.000131277	0.000106889
5501	0.000115261	0.000107282	0.000254064	0.000139935	0.000109973	0.000114377	0.000107144	0.000267472	0.000139935	0.000116131
5502	0.000124376	0.000115864	0.000272437	0.000150054	0.00011377	0.000123179	0.000115443	0.000286916	0.000150054	0.000119472
5503	0.000128999	0.000120087	0.000284018	0.000156418	0.000207837	0.000127823	0.000119721	0.000299314	0.000156418	0.000207424
5504	0.000139102	0.000129051	0.000313954	0.000172137	0.000209448	0.00013837	0.000129275	0.000330896	0.000172137	0.000208534
5505	0.000146577	0.000136001	0.000330563	0.000181243	0.000212254	0.000145772	0.000136198	0.000348412	0.000181243	0.000211506
5506	0.000157387	0.00014604	0.000354771	0.000194552	0.000212481	0.000156516	0.000146245	0.00037393	0.000194552	0.000211767
5507	0.000171376	0.000158914	0.000388165	0.000212517	0.000211838	0.00017051	0.000159239	0.000409088	0.000212517	0.000211108
5508	0.000187434	0.000173442	0.000430844	0.000235008	0.000196813	0.000186902	0.000174287	0.000453908	0.000235008	0.000197148
5509	0.000202806	0.000187439	0.000470133	0.000255912	0.000197629	0.000202497	0.000188668	0.0004952	0.000255912	0.000197996
5510	0.000219168	0.000202203	0.000514286	0.000279151	0.00019577	0.000219266	0.00020404	0.000541548	0.000279151	0.000196041
5511	0.000231494	0.000213417	0.000545965	0.000296093	0.000205972	0.000231832	0.000215628	0.000574828	0.000296093	0.000204946
5512	0.000237735	0.000219213	0.000559945	0.000303764	0.000198969	0.000238029	0.000221421	0.000589566	0.000303764	0.000197598
5513	0.000241556	0.000222913	0.000565853	0.000307643	0.000193579	0.000241771	0.000225044	0.000595839	0.000307643	0.000191926
5514	0.000240908	0.000222839	0.000555229	0.000302071	0.000190358	0.000240051	0.000223756	0.000584966	0.000302071	0.000188527
5515	0.000238687	0.000221736	0.000533572	0.00029079	0.000159257	0.000235949	0.000220511	0.000562718	0.00029079	0.000159474
5516	0.000228202	0.000212745	0.000497091	0.000272069	0.000127964	0.000224442	0.000210259	0.00052464	0.000272069	0.000130876
5517	0.0002117	0.000198006	0.00044991	0.000246576	0.000108484	0.000207018	0.000194356	0.000475017	0.000246576	0.000112229
5518	0.000187335	0.000175715	0.000389463	0.000214032	9.10247E-05	0.000182458	0.00017165	0.000411224	0.000214032	9.63424E-05
5519	0.000161888	0.00015177	0.000337907	0.000185662	8.81635E-05	0.000157862	0.00014847	0.000356671	0.000185662	9.33254E-05
5520	0.000140907	0.000131783	0.000299627	0.000164574	8.68858E-05	0.000138127	0.000129724	0.00031599	0.000164574	9.1979E-05
5521	0.00012258	0.000114244	0.000267592	0.000146713	8.67298E-05	0.000120974	0.000113371	0.0002819	0.000146713	9.18086E-05
5522	0.000113484	0.000105585	0.000250909	0.000137541	8.78591E-05	0.000112415	0.000105246	0.000264173	0.000137541	9.29696E-05
5523	0.000107399	9.99174E-05	0.000237555	0.000130457	9.28825E-05	0.000106521	9.97399E-05	0.000250063	0.000130457	9.82196E-05
5524	0.000107895	0.000100383	0.000238574	0.000131277	0.000101161	0.000107122	0.000100319	0.000251117	0.000131277	0.000106889
5525	0.000115261	0.000107282	0.000254064	0.000139935	0.000109973	0.000114377	0.000107144	0.000267472	0.000139935	0.000116131
5526	0.000124376	0.000115864	0.000272437	0.000150054	0.00011377	0.000123179	0.000115443	0.000286916	0.000150054	0.000119472
5527	0.000128999	0.000120087	0.000284018	0.000156418	0.000207837	0.000127823	0.000119721	0.000299314	0.000156418	0.000207424
5528	0.000139102	0.000129051	0.000313954	0.000172137	0.000209448	0.00013837	0.000129275	0.000330896	0.000172137	0.000208534
5529	0.000146577	0.000136001	0.000330563	0.000181243	0.000212254	0.000145772	0.000136198	0.000348412	0.000181243	0.000211506
5530	0.000157387	0.00014604	0.000354771	0.000194552	0.000212481	0.000156516	0.000146245	0.00037393	0.000194552	0.000211767
5531	0.000171376	0.000158914	0.000388165	0.000212517	0.000211838	0.00017051	0.000159239	0.000409088	0.000212517	0.000211108
5532	0.000187434	0.000173442	0.000430844	0.000235008	0.000196813	0.000186902	0.000174287	0.000453908	0.000235008	0.000197148
5533	0.000202806	0.000187439	0.000470133	0.000255912	0.000197629	0.000202497	0.000188668	0.0004952	0.000255912	0.000197996
5534	0.000219168	0.000202203	0.000514286	0.000279151	0.00019577	0.000219266	0.00020404	0.000541548	0.000279151	0.000196041
5535	0.000231494	0.000213417	0.000545965	0.000296093	0.000205972	0.000231832	0.000215628	0.000574828	0.000296093	0.000204946
5536	0.000237735	0.000219213	0.000559945	0.000303764	0.000198969	0.000238029	0.000221421	0.000589566	0.000303764	0.000197598
5537	0.000241556	0.000222913	0.000565853	0.000307643	0.000193579	0.000241771	0.000225044	0.000595839	0.000307643	0.000191926
5538	0.000240908	0.000222839	0.000555229	0.000302071	0.000190358	0.000240051	0.000223756	0.000584966	0.000302071	0.000188527
5539	0.000238687	0.000221736	0.000533572	0.00029079	0.000159257	0.000235949	0.000220511	0.000562718	0.00029079	0.000159474

5540	0.000228202	0.000212745	0.000497091	0.000272069	0.000127964	0.000224442	0.000210259	0.00052464	0.000272069	0.000130876
5541	0.0002117	0.000198006	0.00044991	0.000246576	0.000108484	0.000207018	0.000194356	0.000475017	0.000246576	0.000112229
5542	0.000187335	0.000175715	0.000389463	0.000214032	9.10247E-05	0.000182458	0.00017165	0.000411224	0.000214032	9.63424E-05
5543	0.000161888	0.00015177	0.000337907	0.000185662	8.81635E-05	0.000157862	0.00014847	0.000356671	0.000185662	9.33254E-05
5544	0.000140907	0.000131783	0.000299627	0.000164574	8.68858E-05	0.000138127	0.000129724	0.00031599	0.000164574	9.1979E-05
5545	0.00012258	0.000114244	0.000267592	0.000146713	8.67298E-05	0.000120974	0.000113371	0.0002819	0.000146713	9.18086E-05
5546	0.000113484	0.000105585	0.000250909	0.000137541	8.78591E-05	0.000112415	0.000105246	0.000264173	0.000137541	9.29696E-05
5547	0.000107399	9.99174E-05	0.000237555	0.000130457	9.28825E-05	0.000106521	9.97399E-05	0.000250063	0.000130457	9.82196E-05
5548	0.000107895	0.000100383	0.000238574	0.000131277	0.000101161	0.000107122	0.000100319	0.000251117	0.000131277	0.000106889
5549	0.000115261	0.000107282	0.000254064	0.000139935	0.000109973	0.000114377	0.000107144	0.000267472	0.000139935	0.000116131
5550	0.000124376	0.000115864	0.000272437	0.000150054	0.00011377	0.000123179	0.000115443	0.000286916	0.000150054	0.000119472
5551	0.000128999	0.000120087	0.000284018	0.000156418	0.000207837	0.000127823	0.000119721	0.000299314	0.000156418	0.000207424
5552	0.000139102	0.000129051	0.000313954	0.000172137	0.000209448	0.00013837	0.000129275	0.000330896	0.000172137	0.000208534
5553	0.000146577	0.000136001	0.000330563	0.000181243	0.000212254	0.000145772	0.000136198	0.000348412	0.000181243	0.000211506
5554	0.000157387	0.00014604	0.000354771	0.000194552	0.000212481	0.000156516	0.000146245	0.00037393	0.000194552	0.000211767
5555	0.000171376	0.000158914	0.000388165	0.000212517	0.000211838	0.00017051	0.000159239	0.000409088	0.000212517	0.000211108
5556	0.000187434	0.000173442	0.000430844	0.000235008	0.000196813	0.000186902	0.000174287	0.000453908	0.000235008	0.000197148
5557	0.000202806	0.000187439	0.000470133	0.000255912	0.000197629	0.000202497	0.000188668	0.0004952	0.000255912	0.000197996
5558	0.000219168	0.000202203	0.000514286	0.000279151	0.00019577	0.000219266	0.00020404	0.000541548	0.000279151	0.000196041
5559	0.000231494	0.000213417	0.000545965	0.000296093	0.000205972	0.000231832	0.000215628	0.000574828	0.000296093	0.000204946
5560	0.000237735	0.000219213	0.000559945	0.000303764	0.000198969	0.000238029	0.000221421	0.000589566	0.000303764	0.000197598
5561	0.000241556	0.000222913	0.000565853	0.000307643	0.000193579	0.000241771	0.000225044	0.000595839	0.000307643	0.000191926
5562	0.000240908	0.000222839	0.000555229	0.000302071	0.000190358	0.000240051	0.000223756	0.000584966	0.000302071	0.000188527
5563	0.000238687	0.000221736	0.000533572	0.00029079	0.000159257	0.000235949	0.000220511	0.000562718	0.00029079	0.000159474
5564	0.000228202	0.000212745	0.000497091	0.000272069	0.000127964	0.000224442	0.000210259	0.00052464	0.000272069	0.000130876
5565	0.0002117	0.000198006	0.00044991	0.000246576	0.000108484	0.000207018	0.000194356	0.000475017	0.000246576	0.000112229
5566	0.000187335	0.000175715	0.000389463	0.000214032	9.10247E-05	0.000182458	0.00017165	0.000411224	0.000214032	9.63424E-05
5567	0.000161888	0.00015177	0.000337907	0.000185662	8.81635E-05	0.000157862	0.00014847	0.000356671	0.000185662	9.33254E-05
5568	0.000140907	0.000131783	0.000299627	0.000164574	8.68858E-05	0.000138127	0.000129724	0.00031599	0.000164574	9.1979E-05
5569	0.000121971	0.000113692	0.000265985	0.000145876	8.68363E-05	0.000120358	0.000112806	0.000280211	0.000145876	9.19247E-05
5570	0.000112842	0.000104998	0.000249303	0.000136678	8.76668E-05	0.000111764	0.000104644	0.000262485	0.000136678	9.27667E-05
5571	0.000106667	9.92499E-05	0.0002357	0.000129468	9.27125E-05	0.00010578	9.90553E-05	0.000248112	0.000129468	9.80395E-05
5572	0.000107363	9.98981E-05	0.000237228	0.000130559	0.000100999	0.000106583	9.98215E-05	0.000249702	0.000130559	0.000106718
5573	0.000114879	0.000106934	0.000253093	0.000139418	0.000109815	0.000113991	0.000106788	0.000266451	0.000139418	0.000115963
5574	0.000124287	0.000115782	0.000272229	0.000149937	0.000113771	0.000123088	0.000115358	0.000286697	0.000149937	0.000119473
5575	0.000130495	0.000121674	0.000283946	0.000156479	0.000207519	0.000128971	0.000120927	0.000299227	0.000156479	0.00020709
5576	0.000138631	0.000128621	0.000312768	0.000171502	0.000209301	0.000137893	0.000128833	0.00032965	0.000171502	0.000208378
5577	0.000145792	0.000135282	0.000328634	0.000180194	0.000212107	0.000144974	0.000135459	0.000346384	0.000180194	0.000211348
5578	0.000156147	0.000144907	0.000351676	0.000192886	0.000212218	0.000155259	0.000145082	0.000370676	0.000192886	0.000211487
5579	0.000169517	0.000157213	0.000383568	0.000210028	0.000211532	0.000168623	0.000157491	0.000404255	0.000210028	0.000210781
5580	0.000185217	0.000171409	0.000425412	0.000232049	0.000196523	0.000184649	0.000172198	0.000448196	0.000232049	0.000196838
5581	0.000199576	0.000184489	0.000462021	0.000251561	0.000197287	0.000199221	0.000185641	0.000486672	0.000251561	0.000197631
5582	0.000214955	0.000198365	0.000503557	0.000273448	0.000195341	0.000214999	0.000200104	0.00053027	0.000273448	0.000195585
5583	0.000227062	0.000209379	0.000534675	0.000290093	0.000205648	0.000227343	0.000211487	0.000562961	0.000290093	0.000204601
5584	0.000233215	0.000215098	0.000548369	0.000297631	0.00019865	0.000233452	0.000217203	0.000577399	0.000297631	0.000197256
5585	0.000237163	0.000218908	0.00055472	0.000301707	0.000193253	0.000237321	0.000220936	0.000584136	0.000301707	0.000191576
5586	0.000236168	0.000218521	0.000543141	0.000295651	0.000190011	0.000235251	0.000219329	0.000572259	0.000295651	0.000188157
5587	0.000234674	0.000218076	0.000523425	0.000285372	0.000158872	0.000231883	0.000216757	0.000552052	0.000285372	0.000159064
5588	0.000224466	0.000209338	0.000487628	0.000267022	0.000127569	0.000220657	0.000206765	0.000514693	0.000267022	0.000130454
5589	0.00020672	0.000193239	0.000441237	0.000241825	0.000108049	0.000202338	0.000189885	0.000465913	0.000241825	0.000111766
5590	0.000184412	0.000173048	0.000382099	0.000210091	9.05309E-05	0.000179495	0.000168913	0.000403482	0.000210091	9.58174E-05
5591	0.000159618	0.000149694	0.000332253	0.000182614	8.77136E-05	0.000155559	0.000146339	0.000350727	0.000182614	9.28472E-05
5592	0.000139608	0.000130593	0.000296431	0.000162837	8.66972E-05	0.000136807	0.000128501	0.000312631	0.000162837	9.17782E-05
5593	0.000121971	0.000113692	0.000265985	0.000145876	8.68363E-05	0.000120358	0.000112806	0.000280211	0.000145876	9.19247E-05
5594	0.000112842	0.000104998	0.000249303	0.000136678	8.76668E-05	0.000111764	0.000104644	0.000262485	0.000136678	9.27667E-05
5595	0.000106667	9.92499E-05	0.0002357	0.000129468	9.27125E-05	0.00010578	9.90553E-05	0.000248112	0.000129468	9.80395E-05
5596	0.000107363	9.98981E-05	0.000237228	0.000130559	0.000100999	0.000106583	9.98215E-05	0.000249702	0.000130559	0.000106718
5597	0.000114879	0.000106934	0.000253093	0.000139418	0.000109815	0.000113991	0.000106788	0.000266451	0.000139418	0.000115963
5598	0.000124287	0.000115782	0.000272229	0.000149937	0.000113771	0.000123088	0.000115358	0.000286697	0.000149937	0.000119473
5599	0.000130495	0.000121674	0.000283946	0.000156479	0.000207519	0.000128971	0.000120927	0.000299227	0.000156479	0.00020709
5600	0.000138631	0.000128621	0.000312768	0.000171502	0.000209301	0.000137893	0.000128833	0.00032965	0.000171502	0.000208378
5601	0.000145792	0.000135282	0.000328634	0.000180194	0.000212107	0.000144974	0.000135459	0.000346384	0.000180194	0.000211348
5602	0.000156147	0.000144907	0.000351676	0.000192886	0.000212218	0.000155259	0.000145082	0.000370676	0.000192886	0.000211487
5603	0.000169517	0.000157213	0.000383568	0.000210028	0.000211532	0.000168623	0.000157491	0.000404255	0.000210028	0.000210781
5604	0.000185217	0.000171409	0.000425412	0.000232049	0.000196523	0.000184649	0.000172198	0.000448196	0.000232049	0.000196838
5605	0.000199576	0.000184489	0.000462021	0.000251561	0.000197287	0.000199221	0.000185641	0.000486672	0.000251561	0.000197631
5606	0.000214955	0.000198365	0.000503557	0.000273448	0.000195341	0.000214999	0.000200104	0.00053027	0.000273448	0.000195585
5607	0.000227062	0.000209379	0.000534675	0.000290093	0.000205648	0.000227343	0.000211487	0.000562961	0.000290093	0.000204601
5608	0.000233215	0.000215098	0.000548369	0.000297631	0.00019865	0.000233452	0.000217203	0.000577399	0.000297631	0.000197256
5609	0.000237163	0.000218908	0.00055472	0.000301707	0.000193253	0.000237321	0.000220936	0.000584136	0.000301707	0.000191576
5610	0.000236168	0.000218521	0.000543141	0.000295651	0.000190011	0.000235251	0.000219329	0.000572259	0.000295651	0.000188157
5611	0.000234674	0.000218076	0.000523425	0.000285372	0.000158872	0.000231883	0.000216757	0.000552052	0.000285372	0.000159064
5612	0.000224466	0.000209338	0.000487628	0.000267022	0.000127569	0.000220657	0.000206765	0.000514693	0.000267022	0.000130454
5613	0.00020672	0.000193239	0.000441237	0.000241825	0.000108049	0.000202338	0.000189885	0.000465913	0.000241825	0.000111766
5614	0.000184412	0.000173048	0.000382099	0.000210091	9.05309E-05	0.000179495	0.000168913	0.000403482	0.000210091	9.58174E-05
5615	0.000159618	0.000149694	0.000332253	0.000182614	8.77136E-05	0.000155559	0.000146339	0.000350727	0.000182614	9.28472E-05

5616	0.000139608	0.000130593	0.000296431	0.000162837	8.66972E-05	0.000136807	0.000128501	0.000312631	0.000162837	9.17782E-05
5617	0.00012258	0.000114244	0.000267592	0.000146713	8.67298E-05	0.000120974	0.000113371	0.0002819	0.000146713	9.18086E-05
5618	0.000113484	0.000105585	0.000250909	0.000137541	8.78591E-05	0.000112415	0.000105246	0.000264173	0.000137541	9.29696E-05
5619	0.000107399	9.99174E-05	0.000237555	0.000130457	9.28825E-05	0.000106521	9.97399E-05	0.000250063	0.000130457	9.82196E-05
5620	0.000107895	0.000100383	0.000238574	0.000131277	0.000101161	0.000107122	0.000100319	0.000251117	0.000131277	0.000106889
5621	0.000115261	0.000107282	0.000254064	0.000139935	0.000109973	0.000114377	0.000107144	0.000267472	0.000139935	0.000116131
5622	0.000124376	0.000115864	0.000272437	0.000150054	0.00011377	0.000123179	0.000115443	0.000286916	0.000150054	0.000119472
5623	0.000128999	0.000120087	0.000284018	0.000156418	0.000207837	0.000127823	0.000119721	0.000299314	0.000156418	0.000207424
5624	0.000139102	0.000129051	0.000313954	0.000172137	0.000209448	0.00013837	0.000129275	0.000330896	0.000172137	0.000208534
5625	0.000146577	0.000136001	0.000330563	0.000181243	0.000212254	0.000145772	0.000136198	0.000348412	0.000181243	0.000211506
5626	0.000157387	0.00014604	0.000354771	0.000194552	0.000212481	0.000156516	0.000146245	0.00037393	0.000194552	0.000211767
5627	0.000171376	0.000158914	0.000388165	0.000212517	0.000211838	0.00017051	0.000159239	0.000409088	0.000212517	0.000211108
5628	0.000187434	0.000173442	0.000430844	0.000235008	0.000196813	0.000186902	0.000174287	0.000453908	0.000235008	0.000197148
5629	0.000202806	0.000187439	0.000470133	0.000255912	0.000197629	0.000202497	0.000188668	0.0004952	0.000255912	0.000197996
5630	0.000219168	0.000202203	0.000514286	0.000279151	0.00019577	0.000219266	0.00020404	0.000541548	0.000279151	0.000196041
5631	0.000231494	0.000213417	0.000545965	0.000296093	0.000205972	0.000231832	0.000215628	0.000574828	0.000296093	0.000204946
5632	0.000237735	0.000219213	0.000559945	0.000303764	0.000198969	0.000238029	0.000221421	0.000589566	0.000303764	0.000197598
5633	0.000241556	0.000222913	0.000565853	0.000307643	0.000193579	0.000241771	0.000225044	0.000595839	0.000307643	0.000191926
5634	0.000240908	0.000222839	0.000555229	0.000302071	0.000190358	0.000240051	0.000223756	0.000584966	0.000302071	0.000188527
5635	0.000238687	0.000221736	0.000533572	0.00029079	0.000159257	0.000235949	0.000220511	0.000562718	0.00029079	0.000159474
5636	0.000228202	0.000212745	0.000497091	0.000272069	0.000127964	0.000224442	0.000210259	0.00052464	0.000272069	0.000130876
5637	0.0002117	0.000198006	0.00044991	0.000246576	0.000108484	0.000207018	0.000194356	0.000475017	0.000246576	0.000112229
5638	0.000187335	0.000175715	0.000389463	0.000214032	9.10247E-05	0.000182458	0.00017165	0.000411224	0.000214032	9.63424E-05
5639	0.000161888	0.00015177	0.000337907	0.000185662	8.81635E-05	0.000157862	0.00014847	0.000356671	0.000185662	9.33254E-05
5640	0.000140907	0.000131783	0.000299627	0.000164574	8.68858E-05	0.000138127	0.000129724	0.00031599	0.000164574	9.1979E-05
5641	0.00012258	0.000114244	0.000267592	0.000146713	8.67298E-05	0.000120974	0.000113371	0.0002819	0.000146713	9.18086E-05
5642	0.000113484	0.000105585	0.000250909	0.000137541	8.78591E-05	0.000112415	0.000105246	0.000264173	0.000137541	9.29696E-05
5643	0.000107399	9.99174E-05	0.000237555	0.000130457	9.28825E-05	0.000106521	9.97399E-05	0.000250063	0.000130457	9.82196E-05
5644	0.000107895	0.000100383	0.000238574	0.000131277	0.000101161	0.000107122	0.000100319	0.000251117	0.000131277	0.000106889
5645	0.000115261	0.000107282	0.000254064	0.000139935	0.000109973	0.000114377	0.000107144	0.000267472	0.000139935	0.000116131
5646	0.000124376	0.000115864	0.000272437	0.000150054	0.00011377	0.000123179	0.000115443	0.000286916	0.000150054	0.000119472
5647	0.000128999	0.000120087	0.000284018	0.000156418	0.000207837	0.000127823	0.000119721	0.000299314	0.000156418	0.000207424
5648	0.000139102	0.000129051	0.000313954	0.000172137	0.000209448	0.00013837	0.000129275	0.000330896	0.000172137	0.000208534
5649	0.000146577	0.000136001	0.000330563	0.000181243	0.000212254	0.000145772	0.000136198	0.000348412	0.000181243	0.000211506
5650	0.000157387	0.00014604	0.000354771	0.000194552	0.000212481	0.000156516	0.000146245	0.00037393	0.000194552	0.000211767
5651	0.000171376	0.000158914	0.000388165	0.000212517	0.000211838	0.00017051	0.000159239	0.000409088	0.000212517	0.000211108
5652	0.000187434	0.000173442	0.000430844	0.000235008	0.000196813	0.000186902	0.000174287	0.000453908	0.000235008	0.000197148
5653	0.000202806	0.000187439	0.000470133	0.000255912	0.000197629	0.000202497	0.000188668	0.0004952	0.000255912	0.000197996
5654	0.000219168	0.000202203	0.000514286	0.000279151	0.00019577	0.000219266	0.00020404	0.000541548	0.000279151	0.000196041
5655	0.000231494	0.000213417	0.000545965	0.000296093	0.000205972	0.000231832	0.000215628	0.000574828	0.000296093	0.000204946
5656	0.000237735	0.000219213	0.000559945	0.000303764	0.000198969	0.000238029	0.000221421	0.000589566	0.000303764	0.000197598
5657	0.000241556	0.000222913	0.000565853	0.000307643	0.000193579	0.000241771	0.000225044	0.000595839	0.000307643	0.000191926
5658	0.000240908	0.000222839	0.000555229	0.000302071	0.000190358	0.000240051	0.000223756	0.000584966	0.000302071	0.000188527
5659	0.000238687	0.000221736	0.000533572	0.00029079	0.000159257	0.000235949	0.000220511	0.000562718	0.00029079	0.000159474
5660	0.000228202	0.000212745	0.000497091	0.000272069	0.000127964	0.000224442	0.000210259	0.00052464	0.000272069	0.000130876
5661	0.0002117	0.000198006	0.00044991	0.000246576	0.000108484	0.000207018	0.000194356	0.000475017	0.000246576	0.000112229
5662	0.000187335	0.000175715	0.000389463	0.000214032	9.10247E-05	0.000182458	0.00017165	0.000411224	0.000214032	9.63424E-05
5663	0.000161888	0.00015177	0.000337907	0.000185662	8.81635E-05	0.000157862	0.00014847	0.000356671	0.000185662	9.33254E-05
5664	0.000140907	0.000131783	0.000299627	0.000164574	8.68858E-05	0.000138127	0.000129724	0.00031599	0.000164574	9.1979E-05
5665	0.00012258	0.000114244	0.000267592	0.000146713	8.67298E-05	0.000120974	0.000113371	0.0002819	0.000146713	9.18086E-05
5666	0.000113484	0.000105585	0.000250909	0.000137541	8.78591E-05	0.000112415	0.000105246	0.000264173	0.000137541	9.29696E-05
5667	0.000107399	9.99174E-05	0.000237555	0.000130457	9.28825E-05	0.000106521	9.97399E-05	0.000250063	0.000130457	9.82196E-05
5668	0.000107895	0.000100383	0.000238574	0.000131277	0.000101161	0.000107122	0.000100319	0.000251117	0.000131277	0.000106889
5669	0.000115261	0.000107282	0.000254064	0.000139935	0.000109973	0.000114377	0.000107144	0.000267472	0.000139935	0.000116131
5670	0.000124376	0.000115864	0.000272437	0.000150054	0.00011377	0.000123179	0.000115443	0.000286916	0.000150054	0.000119472
5671	0.000128999	0.000120087	0.000284018	0.000156418	0.000207837	0.000127823	0.000119721	0.000299314	0.000156418	0.000207424
5672	0.000139102	0.000129051	0.000313954	0.000172137	0.000209448	0.00013837	0.000129275	0.000330896	0.000172137	0.000208534
5673	0.000146577	0.000136001	0.000330563	0.000181243	0.000212254	0.000145772	0.000136198	0.000348412	0.000181243	0.000211506
5674	0.000157387	0.00014604	0.000354771	0.000194552	0.000212481	0.000156516	0.000146245	0.00037393	0.000194552	0.000211767
5675	0.000171376	0.000158914	0.000388165	0.000212517	0.000211838	0.00017051	0.000159239	0.000409088	0.000212517	0.000211108
5676	0.000187434	0.000173442	0.000430844	0.000235008	0.000196813	0.000186902	0.000174287	0.000453908	0.000235008	0.000197148
5677	0.000202806	0.000187439	0.000470133	0.000255912	0.000197629	0.000202497	0.000188668	0.0004952	0.000255912	0.000197996
5678	0.000219168	0.000202203	0.000514286	0.000279151	0.00019577	0.000219266	0.00020404	0.000541548	0.000279151	0.000196041
5679	0.000231494	0.000213417	0.000545965	0.000296093	0.000205972	0.000231832	0.000215628	0.000574828	0.000296093	0.000204946
5680	0.000237735	0.000219213	0.000559945	0.000303764	0.000198969	0.000238029	0.000221421	0.000589566	0.000303764	0.000197598
5681	0.000241556	0.000222913	0.000565853	0.000307643	0.000193579	0.000241771	0.000225044	0.000595839	0.000307643	0.000191926
5682	0.000240908	0.000222839	0.000555229	0.000302071	0.000190358	0.000240051	0.000223756	0.000584966	0.000302071	0.000188527
5683	0.000238687	0.000221736	0.000533572	0.00029079	0.000159257	0.000235949	0.000220511	0.000562718	0.00029079	0.000159474
5684	0.000228202	0.000212745	0.000497091	0.000272069	0.000127964	0.000224442	0.000210259	0.00052464	0.000272069	0.000130876
5685	0.0002117	0.000198006	0.00044991	0.000246576	0.000108484	0.000207018	0.000194356	0.000475017	0.000246576	0.000112229
5686	0.000187335	0.000175715	0.000389463	0.000214032	9.10247E-05	0.000182458	0.00017165	0.000411224	0.000214032	9.63424E-05
5687	0.000161888	0.00015177	0.000337907	0.000185662	8.81635E-05	0.000157862	0.00014847	0.000356671	0.000185662	9.33254E-05
5688	0.000140907	0.000131783	0.000299627	0.000164574	8.68858E-05	0.000138127	0.000129724	0.00031599	0.000164574	9.1979E-05
5689	0.00012258	0.000114244	0.000267592	0.000146713	8.67298E-05	0.000120974	0.000113371	0.0002819	0.000146713	9.18086E-05
5690	0.000113484	0.000105585	0.000250909	0.000137541	8.78591E-05	0.000112415	0.000105246	0.000264173	0.000137541	9.29696E-05
5691	0.000107399	9.99174E-05	0.000237555	0.000130457	9.28825E-05	0.000106521	9.97399E-05	0.000250063	0.000130457	9.82196E-05

5692	0.000107895	0.000100383	0.000238574	0.000131277	0.000101161	0.000107122	0.000100319	0.000251117	0.000131277	0.000106889
5693	0.000115261	0.000107282	0.000254064	0.000139935	0.000109973	0.000114377	0.000107144	0.000267472	0.000139935	0.000116131
5694	0.000124376	0.000115864	0.000272437	0.000150054	0.00011377	0.000123179	0.000115443	0.000286916	0.000150054	0.000119472
5695	0.000128999	0.000120087	0.000284018	0.000156418	0.000207837	0.000127823	0.000119721	0.000299314	0.000156418	0.000207424
5696	0.000139102	0.000129051	0.000313954	0.000172137	0.000209448	0.00013837	0.000129275	0.000330896	0.000172137	0.000208534
5697	0.000146577	0.000136001	0.000330563	0.000181243	0.000212254	0.000145772	0.000136198	0.000348412	0.000181243	0.000211506
5698	0.000157387	0.00014604	0.000354771	0.000194552	0.000212481	0.000156516	0.000146245	0.00037393	0.000194552	0.000211767
5699	0.000171376	0.000158914	0.000388165	0.000212517	0.000211838	0.00017051	0.000159239	0.000409088	0.000212517	0.000211108
5700	0.000187434	0.000173442	0.000430844	0.000235008	0.000196813	0.000186902	0.000174287	0.000453908	0.000235008	0.000197148
5701	0.000202806	0.000187439	0.000470133	0.000255912	0.000197629	0.000202497	0.000188668	0.0004952	0.000255912	0.000197996
5702	0.000219168	0.000202203	0.000514286	0.000279151	0.00019577	0.000219266	0.00020404	0.000541548	0.000279151	0.000196041
5703	0.000231494	0.000213417	0.000545965	0.000296093	0.000205972	0.000231832	0.000215628	0.000574828	0.000296093	0.000204946
5704	0.000237735	0.000219213	0.000559945	0.000303764	0.000198969	0.000238029	0.000221421	0.000589566	0.000303764	0.000197598
5705	0.000241556	0.000222913	0.000565853	0.000307643	0.000193579	0.000241771	0.000225044	0.000595839	0.000307643	0.000191926
5706	0.000240908	0.000222839	0.000555229	0.000302071	0.000190358	0.000240051	0.000223756	0.000584966	0.000302071	0.000188527
5707	0.000238687	0.000221736	0.000533572	0.00029079	0.000159257	0.000235949	0.000220511	0.000562718	0.00029079	0.000159474
5708	0.000228202	0.000212745	0.000497091	0.000272069	0.000127964	0.000224442	0.000210259	0.00052464	0.000272069	0.000130876
5709	0.0002117	0.000198006	0.00044991	0.000246576	0.000108484	0.000207018	0.000194356	0.000475017	0.000246576	0.000112229
5710	0.000187335	0.000175715	0.000389463	0.000214032	9.10247E-05	0.000182458	0.00017165	0.000411224	0.000214032	9.63424E-05
5711	0.000161888	0.00015177	0.000337907	0.000185662	8.81635E-05	0.000157862	0.00014847	0.000356671	0.000185662	9.33254E-05
5712	0.000140907	0.000131783	0.000299627	0.000164574	8.68858E-05	0.000138127	0.000129724	0.00031599	0.000164574	9.1979E-05
5713	0.00012258	0.000114244	0.000267592	0.000146713	8.67298E-05	0.000120974	0.000113371	0.0002819	0.000146713	9.18086E-05
5714	0.000113484	0.000105585	0.000250909	0.000137541	8.78591E-05	0.000112415	0.000105246	0.000264173	0.000137541	9.29696E-05
5715	0.000107399	9.99174E-05	0.000237555	0.000130457	9.28825E-05	0.000106521	9.97399E-05	0.000250063	0.000130457	9.82196E-05
5716	0.000107895	0.000100383	0.000238574	0.000131277	0.000101161	0.000107122	0.000100319	0.000251117	0.000131277	0.000106889
5717	0.000115261	0.000107282	0.000254064	0.000139935	0.000109973	0.000114377	0.000107144	0.000267472	0.000139935	0.000116131
5718	0.000124376	0.000115864	0.000272437	0.000150054	0.00011377	0.000123179	0.000115443	0.000286916	0.000150054	0.000119472
5719	0.000128999	0.000120087	0.000284018	0.000156418	0.000207837	0.000127823	0.000119721	0.000299314	0.000156418	0.000207424
5720	0.000139102	0.000129051	0.000313954	0.000172137	0.000209448	0.00013837	0.000129275	0.000330896	0.000172137	0.000208534
5721	0.000146577	0.000136001	0.000330563	0.000181243	0.000212254	0.000145772	0.000136198	0.000348412	0.000181243	0.000211506
5722	0.000157387	0.00014604	0.000354771	0.000194552	0.000212481	0.000156516	0.000146245	0.00037393	0.000194552	0.000211767
5723	0.000171376	0.000158914	0.000388165	0.000212517	0.000211838	0.00017051	0.000159239	0.000409088	0.000212517	0.000211108
5724	0.000187434	0.000173442	0.000430844	0.000235008	0.000196813	0.000186902	0.000174287	0.000453908	0.000235008	0.000197148
5725	0.000202806	0.000187439	0.000470133	0.000255912	0.000197629	0.000202497	0.000188668	0.0004952	0.000255912	0.000197996
5726	0.000219168	0.000202203	0.000514286	0.000279151	0.00019577	0.000219266	0.00020404	0.000541548	0.000279151	0.000196041
5727	0.000231494	0.000213417	0.000545965	0.000296093	0.000205972	0.000231832	0.000215628	0.000574828	0.000296093	0.000204946
5728	0.000237735	0.000219213	0.000559945	0.000303764	0.000198969	0.000238029	0.000221421	0.000589566	0.000303764	0.000197598
5729	0.000241556	0.000222913	0.000565853	0.000307643	0.000193579	0.000241771	0.000225044	0.000595839	0.000307643	0.000191926
5730	0.000240908	0.000222839	0.000555229	0.000302071	0.000190358	0.000240051	0.000223756	0.000584966	0.000302071	0.000188527
5731	0.000238687	0.000221736	0.000533572	0.00029079	0.000159257	0.000235949	0.000220511	0.000562718	0.00029079	0.000159474
5732	0.000228202	0.000212745	0.000497091	0.000272069	0.000127964	0.000224442	0.000210259	0.00052464	0.000272069	0.000130876
5733	0.0002117	0.000198006	0.00044991	0.000246576	0.000108484	0.000207018	0.000194356	0.000475017	0.000246576	0.000112229
5734	0.000187335	0.000175715	0.000389463	0.000214032	9.10247E-05	0.000182458	0.00017165	0.000411224	0.000214032	9.63424E-05
5735	0.000161888	0.00015177	0.000337907	0.000185662	8.81635E-05	0.000157862	0.00014847	0.000356671	0.000185662	9.33254E-05
5736	0.000140907	0.000131783	0.000299627	0.000164574	8.68858E-05	0.000138127	0.000129724	0.00031599	0.000164574	9.1979E-05
5737	0.000121971	0.000113692	0.000265985	0.000145876	8.68363E-05	0.000120358	0.000112806	0.000280211	0.000145876	9.19247E-05
5738	0.000112842	0.000104998	0.000249303	0.000136678	8.76668E-05	0.000111764	0.000104644	0.000262485	0.000136678	9.27667E-05
5739	0.000106667	9.92499E-05	0.0002357	0.000129468	9.27125E-05	0.00010578	9.90553E-05	0.000248112	0.000129468	9.80395E-05
5740	0.000107363	9.98981E-05	0.000237228	0.000130559	0.000100999	0.000106583	9.98215E-05	0.000249702	0.000130559	0.000106718
5741	0.000114879	0.000106934	0.000253093	0.000139418	0.000109815	0.000113991	0.000106788	0.000266451	0.000139418	0.000115963
5742	0.000124287	0.000115782	0.000272229	0.000149937	0.000113771	0.000123088	0.000115358	0.000286697	0.000149937	0.000119473
5743	0.000130495	0.000121674	0.000283946	0.000156479	0.000207519	0.000128971	0.000120927	0.000299227	0.000156479	0.00020709
5744	0.000138631	0.000128621	0.000312768	0.000171502	0.000209301	0.000137893	0.000128833	0.00032965	0.000171502	0.000208378
5745	0.000145792	0.000135282	0.000328634	0.000180194	0.000212107	0.000144974	0.000135459	0.000346384	0.000180194	0.000211348
5746	0.000156147	0.000144907	0.000351676	0.000192886	0.000212218	0.000155259	0.000145082	0.000370676	0.000192886	0.000211487
5747	0.000169517	0.000157213	0.000383568	0.000210028	0.000211532	0.000168623	0.000157491	0.000404255	0.000210028	0.000210781
5748	0.000185217	0.000171409	0.000425412	0.000232049	0.000196523	0.000184649	0.000172198	0.000448196	0.000232049	0.000196838
5749	0.000199576	0.000184489	0.000462021	0.000251561	0.000197287	0.000199221	0.000185641	0.000486672	0.000251561	0.000197631
5750	0.000214955	0.000198365	0.000503557	0.000273448	0.000195341	0.000214999	0.000200104	0.00053027	0.000273448	0.000195585
5751	0.000227062	0.000209379	0.000534675	0.000290093	0.000205648	0.000227343	0.000211487	0.000562961	0.000290093	0.000204601
5752	0.000233215	0.000215098	0.000548369	0.000297631	0.00019865	0.000233452	0.000217203	0.000577399	0.000297631	0.000197256
5753	0.000237163	0.000218908	0.00055472	0.000301707	0.000193253	0.000237321	0.000220936	0.000584136	0.000301707	0.000191576
5754	0.000236168	0.000218521	0.000543141	0.000295651	0.000190011	0.000235251	0.000219329	0.000572259	0.000295651	0.000188157
5755	0.000234674	0.000218076	0.000523425	0.000285372	0.000158872	0.000231883	0.000216757	0.000552052	0.000285372	0.000159064
5756	0.000224466	0.000209338	0.000487628	0.000267022	0.000127569	0.000220657	0.000206765	0.000514693	0.000267022	0.000130454
5757	0.00020672	0.000193239	0.000441237	0.000241825	0.000108049	0.000202338	0.000189885	0.000465913	0.000241825	0.000111766
5758	0.000184412	0.000173048	0.000382099	0.000210091	9.05309E-05	0.000179495	0.000168913	0.000403482	0.000210091	9.58174E-05
5759	0.000159618	0.000149694	0.000332253	0.000182614	8.77136E-05	0.000155559	0.000146339	0.000350727	0.000182614	9.28472E-05
5760	0.000139608	0.000130593	0.000296431	0.000162837	8.66972E-05	0.000136807	0.000128501	0.000312631	0.000162837	9.17782E-05
5761	0.000121971	0.000113692	0.000265985	0.000145876	8.68363E-05	0.000120358	0.000112806	0.000280211	0.000145876	9.19247E-05
5762	0.000112842	0.000104998	0.000249303	0.000136678	8.76668E-05	0.000111764	0.000104644	0.000262485	0.000136678	9.27667E-05
5763	0.000106667	9.92499E-05	0.0002357	0.000129468	9.27125E-05	0.00010578	9.90553E-05	0.000248112	0.000129468	9.80395E-05
5764	0.000107363	9.98981E-05	0.000237228	0.000130559	0.000100999	0.000106583	9.98215E-05	0.000249702	0.000130559	0.000106718
5765	0.000114879	0.000106934	0.000253093	0.000139418	0.000109815	0.000113991	0.000106788	0.000266451	0.000139418	0.000115963
5766	0.000124287	0.000115782	0.000272229	0.000149937	0.000113771	0.000123088	0.000115358	0.000286697	0.000149937	0.000119473
5767	0.000130495	0.000121674	0.000283946	0.000156479	0.000207519	0.000128971	0.000120927	0.000299227	0.000156479	0.00020709

5768	0.000138631	0.000128621	0.000312768	0.000171502	0.000209301	0.000137893	0.000128833	0.00032965	0.000171502	0.000208378
5769	0.000145792	0.000135282	0.000328634	0.000180194	0.000212107	0.000144974	0.000135459	0.000346384	0.000180194	0.000211348
5770	0.000156147	0.000144907	0.000351676	0.000192886	0.000212218	0.000155259	0.000145082	0.000370676	0.000192886	0.000211487
5771	0.000169517	0.000157213	0.000383568	0.000210028	0.000211532	0.000168623	0.000157491	0.000404255	0.000210028	0.000210781
5772	0.000185217	0.000171409	0.000425412	0.000232049	0.000196523	0.000184649	0.000172198	0.000448196	0.000232049	0.000196838
5773	0.000199576	0.000184489	0.000462021	0.000251561	0.000197287	0.000199221	0.000185641	0.000486672	0.000251561	0.000197631
5774	0.000214955	0.000198365	0.000503557	0.000273448	0.000195341	0.000214999	0.000200104	0.00053027	0.000273448	0.000195585
5775	0.000227062	0.000209379	0.000534675	0.000290093	0.000205648	0.000227343	0.000211487	0.000562961	0.000290093	0.000204601
5776	0.000233215	0.000215098	0.000548369	0.000297631	0.00019865	0.000233452	0.000217203	0.000577399	0.000297631	0.000197256
5777	0.000237163	0.000218908	0.00055472	0.000301707	0.000193253	0.000237321	0.000220936	0.000584136	0.000301707	0.000191576
5778	0.000236168	0.000218521	0.000543141	0.000295651	0.000190011	0.000235251	0.000219329	0.000572259	0.000295651	0.000188157
5779	0.000234674	0.000218076	0.000523425	0.000285372	0.000158872	0.000231883	0.000216757	0.000552052	0.000285372	0.000159064
5780	0.000224466	0.000209338	0.000487628	0.000267022	0.000127569	0.000220657	0.000206765	0.000514693	0.000267022	0.000130454
5781	0.00020672	0.000193239	0.000441237	0.000241825	0.000108049	0.000202338	0.000189885	0.000465913	0.000241825	0.000111766
5782	0.000184412	0.000173048	0.000382099	0.000210091	9.05309E-05	0.000179495	0.000168913	0.000403482	0.000210091	9.58174E-05
5783	0.000159618	0.000149694	0.000332253	0.000182614	8.77136E-05	0.000155559	0.000146339	0.000350727	0.000182614	9.28472E-05
5784	0.000139608	0.000130593	0.000296431	0.000162837	8.66972E-05	0.000136807	0.000128501	0.000312631	0.000162837	9.17782E-05
5785	0.00012258	0.000114244	0.000267592	0.000146713	8.67298E-05	0.000120974	0.000113371	0.0002819	0.000146713	9.18086E-05
5786	0.000113484	0.000105585	0.000250909	0.000137541	8.78591E-05	0.000112415	0.000105246	0.000264173	0.000137541	9.29696E-05
5787	0.000107399	9.99174E-05	0.000237555	0.000130457	9.28825E-05	0.000106521	9.97399E-05	0.000250063	0.000130457	9.82196E-05
5788	0.000107895	0.000100383	0.000238574	0.000131277	0.000101161	0.000107122	0.000100319	0.000251117	0.000131277	0.000106889
5789	0.000115261	0.000107282	0.000254064	0.000139935	0.000109973	0.000114377	0.000107144	0.000267472	0.000139935	0.000116131
5790	0.000124376	0.000115864	0.000272437	0.000150054	0.00011377	0.000123179	0.000115443	0.000286916	0.000150054	0.000119472
5791	0.000128999	0.000120087	0.000284018	0.000156418	0.000207837	0.000127823	0.000119721	0.000299314	0.000156418	0.000207424
5792	0.000139102	0.000129051	0.000313954	0.000172137	0.000209448	0.00013837	0.000129275	0.000330896	0.000172137	0.000208534
5793	0.000146577	0.000136001	0.000330563	0.000181243	0.000212254	0.000145772	0.000136198	0.000348412	0.000181243	0.000211506
5794	0.000157387	0.00014604	0.000354771	0.000194552	0.000212481	0.000156516	0.000146245	0.00037393	0.000194552	0.000211767
5795	0.000171376	0.000158914	0.000388165	0.000212517	0.000211838	0.00017051	0.000159239	0.000409088	0.000212517	0.000211108
5796	0.000187434	0.000173442	0.000430844	0.000235008	0.000196813	0.000186902	0.000174287	0.000453908	0.000235008	0.000197148
5797	0.000202806	0.000187439	0.000470133	0.000255912	0.000197629	0.000202497	0.000188668	0.0004952	0.000255912	0.000197996
5798	0.000219168	0.000202203	0.000514286	0.000279151	0.00019577	0.000219266	0.00020404	0.000541548	0.000279151	0.000196041
5799	0.000231494	0.000213417	0.000545965	0.000296093	0.000205972	0.000231832	0.000215628	0.000574828	0.000296093	0.000204946
5800	0.000237735	0.000219213	0.000559945	0.000303764	0.000198969	0.000238029	0.000221421	0.000589566	0.000303764	0.000197598
5801	0.000241556	0.000222913	0.000565853	0.000307643	0.000193579	0.000241771	0.000225044	0.000595839	0.000307643	0.000191926
5802	0.000240908	0.000222839	0.000555229	0.000302071	0.000190358	0.000240051	0.000223756	0.000584966	0.000302071	0.000188527
5803	0.000238687	0.000221736	0.000533572	0.00029079	0.000159257	0.000235949	0.000220511	0.000562718	0.00029079	0.000159474
5804	0.000228202	0.000212745	0.000497091	0.000272069	0.000127964	0.000224442	0.000210259	0.00052464	0.000272069	0.000130876
5805	0.0002117	0.000198006	0.00044991	0.000246576	0.000108484	0.000207018	0.000194356	0.000475017	0.000246576	0.000112229
5806	0.000187335	0.000175715	0.000389463	0.000214032	9.10247E-05	0.000182458	0.00017165	0.000411224	0.000214032	9.63424E-05
5807	0.000161888	0.00015177	0.000337907	0.000185662	8.81635E-05	0.000157862	0.00014847	0.000356671	0.000185662	9.33254E-05
5808	0.000140907	0.000131783	0.000299627	0.000164574	8.68858E-05	0.000138127	0.000129724	0.00031599	0.000164574	9.1979E-05
5809	0.00012258	0.000114244	0.000267592	0.000146713	8.67298E-05	0.000120974	0.000113371	0.0002819	0.000146713	9.18086E-05
5810	0.000113484	0.000105585	0.000250909	0.000137541	8.78591E-05	0.000112415	0.000105246	0.000264173	0.000137541	9.29696E-05
5811	0.000107399	9.99174E-05	0.000237555	0.000130457	9.28825E-05	0.000106521	9.97399E-05	0.000250063	0.000130457	9.82196E-05
5812	0.000107895	0.000100383	0.000238574	0.000131277	0.000101161	0.000107122	0.000100319	0.000251117	0.000131277	0.000106889
5813	0.000115261	0.000107282	0.000254064	0.000139935	0.000109973	0.000114377	0.000107144	0.000267472	0.000139935	0.000116131
5814	0.000124376	0.000115864	0.000272437	0.000150054	0.00011377	0.000123179	0.000115443	0.000286916	0.000150054	0.000119472
5815	0.000128999	0.000120087	0.000284018	0.000156418	0.000207837	0.000127823	0.000119721	0.000299314	0.000156418	0.000207424
5816	0.000139102	0.000129051	0.000313954	0.000172137	0.000209448	0.00013837	0.000129275	0.000330896	0.000172137	0.000208534
5817	0.000146577	0.000136001	0.000330563	0.000181243	0.000212254	0.000145772	0.000136198	0.000348412	0.000181243	0.000211506
5818	0.000157387	0.00014604	0.000354771	0.000194552	0.000212481	0.000156516	0.000146245	0.00037393	0.000194552	0.000211767
5819	0.000171376	0.000158914	0.000388165	0.000212517	0.000211838	0.00017051	0.000159239	0.000409088	0.000212517	0.000211108
5820	0.000187434	0.000173442	0.000430844	0.000235008	0.000196813	0.000186902	0.000174287	0.000453908	0.000235008	0.000197148
5821	0.000202806	0.000187439	0.000470133	0.000255912	0.000197629	0.000202497	0.000188668	0.0004952	0.000255912	0.000197996
5822	0.000219168	0.000202203	0.000514286	0.000279151	0.00019577	0.000219266	0.00020404	0.000541548	0.000279151	0.000196041
5823	0.000231494	0.000213417	0.000545965	0.000296093	0.000205972	0.000231832	0.000215628	0.000574828	0.000296093	0.000204946
5824	0.000237735	0.000219213	0.000559945	0.000303764	0.000198969	0.000238029	0.000221421	0.000589566	0.000303764	0.000197598
5825	0.000241556	0.000222913	0.000565853	0.000307643	0.000193579	0.000241771	0.000225044	0.000595839	0.000307643	0.000191926
5826	0.000240908	0.000222839	0.000555229	0.000302071	0.000190358	0.000240051	0.000223756	0.000584966	0.000302071	0.000188527
5827	0.000238687	0.000221736	0.000533572	0.00029079	0.000159257	0.000235949	0.000220511	0.000562718	0.00029079	0.000159474
5828	0.000228202	0.000212745	0.000497091	0.000272069	0.000127964	0.000224442	0.000210259	0.00052464	0.000272069	0.000130876
5829	0.0002117	0.000198006	0.00044991	0.000246576	0.000108484	0.000207018	0.000194356	0.000475017	0.000246576	0.000112229
5830	0.000187335	0.000175715	0.000389463	0.000214032	9.10247E-05	0.000182458	0.00017165	0.000411224	0.000214032	9.63424E-05
5831	0.000161888	0.00015177	0.000337907	0.000185662	8.81635E-05	0.000157862	0.00014847	0.000356671	0.000185662	9.33254E-05
5832	0.000140907	0.000131783	0.000299627	0.000164574	8.68858E-05	0.000138127	0.000129724	0.00031599	0.000164574	9.1979E-05
5833	0.00012258	0.000114244	0.000267592	0.000146713	8.67298E-05	0.000120974	0.000113371	0.0002819	0.000146713	9.18086E-05
5834	0.000113484	0.000105585	0.000250909	0.000137541	8.78591E-05	0.000112415	0.000105246	0.000264173	0.000137541	9.29696E-05
5835	0.000107399	9.99174E-05	0.000237555	0.000130457	9.28825E-05	0.000106521	9.97399E-05	0.000250063	0.000130457	9.82196E-05
5836	0.000107895	0.000100383	0.000238574	0.000131277	0.000101161	0.000107122	0.000100319	0.000251117	0.000131277	0.000106889
5837	0.000115261	0.000107282	0.000254064	0.000139935	0.000109973	0.000114377	0.000107144	0.000267472	0.000139935	0.000116131
5838	0.000124376	0.000115864	0.000272437	0.000150054	0.00011377	0.000123179	0.000115443	0.000286916	0.000150054	0.000119472
5839	0.000128999	0.000120087	0.000284018	0.000156418	0.000207837	0.000127823	0.000119721	0.000299314	0.000156418	0.000207424
5840	0.000139102	0.000129051	0.000313954	0.000172137	0.000209448	0.00013837	0.000129275	0.000330896	0.000172137	0.000208534
5841	0.000146577	0.000136001	0.000330563	0.000181243	0.000212254	0.000145772	0.000136198	0.000348412	0.000181243	0.000211506
5842	0.000157387	0.00014604	0.000354771	0.000194552	0.000212481	0.000156516	0.000146245	0.00037393	0.000194552	0.000211767
5843	0.000171376	0.000158914	0.000388165	0.000212517	0.000211838	0.00017051	0.000159239	0.000409088	0.000212517	0.000211108

5844	0.000187434	0.000173442	0.000430844	0.000235008	0.000196813	0.000186902	0.000174287	0.000453908	0.000235008	0.000197148
5845	0.000202806	0.000187439	0.000470133	0.000255912	0.000197629	0.000202497	0.000188668	0.0004952	0.000255912	0.000197996
5846	0.000219168	0.000202203	0.000514286	0.000279151	0.00019577	0.000219266	0.00020404	0.000541548	0.000279151	0.000196041
5847	0.000231494	0.000213417	0.000545965	0.000296093	0.000205972	0.000231832	0.000215628	0.000574828	0.000296093	0.000204946
5848	0.000237735	0.000219213	0.000559945	0.000303764	0.000198969	0.000238029	0.000221421	0.000589566	0.000303764	0.000197598
5849	0.000241556	0.000222913	0.000565853	0.000307643	0.000193579	0.000241771	0.000225044	0.000595839	0.000307643	0.000191926
5850	0.000240908	0.000222839	0.000555229	0.000302071	0.000190358	0.000240051	0.000223756	0.000584966	0.000302071	0.000188527
5851	0.000238687	0.000221736	0.000533572	0.00029079	0.000159257	0.000235949	0.000220511	0.000562718	0.00029079	0.000159474
5852	0.000228202	0.000212745	0.000497091	0.000272069	0.000127964	0.000224442	0.000210259	0.00052464	0.000272069	0.000130876
5853	0.0002117	0.000198006	0.00044991	0.000246576	0.000108484	0.000207018	0.000194356	0.000475017	0.000246576	0.000112229
5854	0.000187335	0.000175715	0.000389463	0.000214032	9.10247E-05	0.000182458	0.00017165	0.000411224	0.000214032	9.63424E-05
5855	0.000161888	0.00015177	0.000337907	0.000185662	8.81635E-05	0.000157862	0.00014847	0.000356671	0.000185662	9.33254E-05
5856	0.000140907	0.000131783	0.000299627	0.000164574	8.68858E-05	0.000138127	0.000129724	0.00031599	0.000164574	9.1979E-05
5857	7.13688E-05	7.46246E-05	1.47302E-05	5.69897E-05	8.26239E-05	7.0554E-05	7.34106E-05	1.00909E-05	5.69897E-05	8.74397E-05
5858	6.73406E-05	7.04181E-05	1.3804E-05	5.54163E-05	8.43214E-05	6.71733E-05	6.99227E-05	8.9773E-06	5.54163E-05	8.92096E-05
5859	6.6392E-05	6.94261E-05	1.36113E-05	5.56177E-05	8.94794E-05	6.65693E-05	6.93087E-05	8.58685E-06	5.56177E-05	9.45964E-05
5860	6.91666E-05	7.23201E-05	1.43082E-05	5.91686E-05	9.66098E-05	6.97437E-05	7.26246E-05	8.76544E-06	5.91686E-05	0.00010206
5861	7.62259E-05	7.96958E-05	1.58632E-05	6.5202E-05	0.000105607	7.68396E-05	8.00053E-05	9.83328E-06	6.5202E-05	0.000111495
5862	8.32474E-05	8.70315E-05	1.74188E-05	7.04018E-05	0.000110607	8.36136E-05	8.70392E-05	1.11061E-05	7.04018E-05	0.000116102
5863	8.50454E-05	8.88767E-05	1.83968E-05	7.23074E-05	0.000205691	8.54116E-05	8.887E-05	1.22083E-05	7.23074E-05	0.000205123
5864	8.27586E-05	8.64508E-05	1.85305E-05	7.20266E-05	0.000208412	8.35429E-05	8.69041E-05	1.23983E-05	7.20266E-05	0.000207379
5865	8.35928E-05	8.73206E-05	1.87433E-05	7.22724E-05	0.000209908	8.4208E-05	8.75881E-05	1.2664E-05	7.22724E-05	0.000208989
5866	8.80163E-05	9.1944E-05	1.96905E-05	7.55344E-05	0.000210098	8.84815E-05	9.20265E-05	1.34465E-05	7.55344E-05	0.00020921
5867	9.15013E-05	9.55867E-05	2.04321E-05	7.80635E-05	0.000210854	9.18356E-05	9.55096E-05	1.40701E-05	7.80635E-05	0.000210008
5868	9.21837E-05	9.63062E-05	2.04702E-05	7.86198E-05	0.00019698	9.25489E-05	9.62551E-05	1.4102E-05	7.86198E-05	0.00019725
5869	9.52202E-05	9.94819E-05	2.10848E-05	8.13844E-05	0.000195594	9.56784E-05	9.95146E-05	1.44802E-05	8.13844E-05	0.0001958
5870	9.89163E-05	0.000103346	2.18621E-05	8.5664E-05	0.000192087	9.97986E-05	0.000103818	1.47276E-05	8.5664E-05	0.000192118
5871	0.000104476	0.00010916	2.30079E-05	9.09611E-05	0.00019988	0.000105605	0.000109868	1.53744E-05	9.09611E-05	0.000198503
5872	0.00011299	0.000118065	2.47091E-05	9.77461E-05	0.000192711	0.000114048	0.000118648	1.66662E-05	9.77461E-05	0.000190989
5873	0.000120398	0.0001258	2.64177E-05	0.000104783	0.000187662	0.000121716	0.000126632	1.76603E-05	0.000104783	0.00018568
5874	0.000125084	0.000130685	2.76567E-05	0.00010652	0.000183953	0.000125563	0.000130594	1.90923E-05	0.00010652	0.000181767
5875	0.000131064	0.000136927	2.9071E-05	0.000105747	0.000152449	0.000129478	0.000134577	2.15662E-05	0.000105747	0.000152291
5876	0.000127361	0.000133042	2.85241E-05	0.000100042	0.000121698	0.000124778	0.000129641	2.18418E-05	0.000100042	0.000124254
5877	0.000120203	0.00012559	2.64925E-05	9.07787E-05	0.000102561	0.000116577	0.000121105	2.07262E-05	9.07787E-05	0.000105965
5878	0.000108326	0.000113213	2.32974E-05	7.93057E-05	8.56337E-05	0.000104312	0.000108373	1.83447E-05	7.93057E-05	9.06366E-05
5879	9.36025E-05	9.78333E-05	2.00032E-05	6.93542E-05	8.32533E-05	9.04522E-05	9.39975E-05	1.54103E-05	6.93542E-05	8.81249E-05
5880	8.21329E-05	8.58604E-05	1.7289E-05	6.30119E-05	8.20603E-05	8.01981E-05	8.33889E-05	1.26611E-05	6.30119E-05	8.68562E-05
5881	7.13688E-05	7.46246E-05	1.47302E-05	5.69897E-05	8.26239E-05	7.0554E-05	7.34106E-05	1.00909E-05	5.69897E-05	8.74397E-05
5882	6.73406E-05	7.04181E-05	1.3804E-05	5.54163E-05	8.43214E-05	6.71733E-05	6.99227E-05	8.9773E-06	5.54163E-05	8.92096E-05
5883	6.6392E-05	6.94261E-05	1.36113E-05	5.56177E-05	8.94794E-05	6.65693E-05	6.93087E-05	8.58685E-06	5.56177E-05	9.45964E-05
5884	6.91666E-05	7.23201E-05	1.43082E-05	5.91686E-05	9.66098E-05	6.97437E-05	7.26246E-05	8.76544E-06	5.91686E-05	0.00010206
5885	7.62259E-05	7.96958E-05	1.58632E-05	6.5202E-05	0.000105607	7.68396E-05	8.00053E-05	9.83328E-06	6.5202E-05	0.000111495
5886	8.32474E-05	8.70315E-05	1.74188E-05	7.04018E-05	0.000110607	8.36136E-05	8.70392E-05	1.11061E-05	7.04018E-05	0.000116102
5887	8.50454E-05	8.88767E-05	1.83968E-05	7.23074E-05	0.000205691	8.54116E-05	8.887E-05	1.22083E-05	7.23074E-05	0.000205123
5888	8.27586E-05	8.64508E-05	1.85305E-05	7.20266E-05	0.000208412	8.35429E-05	8.69041E-05	1.23983E-05	7.20266E-05	0.000207379
5889	8.35928E-05	8.73206E-05	1.87433E-05	7.22724E-05	0.000209908	8.4208E-05	8.75881E-05	1.2664E-05	7.22724E-05	0.000208989
5890	8.80163E-05	9.1944E-05	1.96905E-05	7.55344E-05	0.000210098	8.84815E-05	9.20265E-05	1.34465E-05	7.55344E-05	0.00020921
5891	9.15013E-05	9.55867E-05	2.04321E-05	7.80635E-05	0.000210854	9.18356E-05	9.55096E-05	1.40701E-05	7.80635E-05	0.000210008
5892	9.21837E-05	9.63062E-05	2.04702E-05	7.86198E-05	0.00019698	9.25489E-05	9.62551E-05	1.4102E-05	7.86198E-05	0.00019725
5893	9.52202E-05	9.94819E-05	2.10848E-05	8.13844E-05	0.000195594	9.56784E-05	9.95146E-05	1.44802E-05	8.13844E-05	0.0001958
5894	9.89163E-05	0.000103346	2.18621E-05	8.5664E-05	0.000192087	9.97986E-05	0.000103818	1.47276E-05	8.5664E-05	0.000192118
5895	0.000104476	0.00010916	2.30079E-05	9.09611E-05	0.00019988	0.000105605	0.000109868	1.53744E-05	9.09611E-05	0.000198503
5896	0.00011299	0.000118065	2.47091E-05	9.77461E-05	0.000192711	0.000114048	0.000118648	1.66662E-05	9.77461E-05	0.000190989
5897	0.000120398	0.0001258	2.64177E-05	0.000104783	0.000187662	0.000121716	0.000126632	1.76603E-05	0.000104783	0.00018568
5898	0.000125084	0.000130685	2.76567E-05	0.00010652	0.000183953	0.000125563	0.000130594	1.90923E-05	0.00010652	0.000181767
5899	0.000131064	0.000136927	2.9071E-05	0.000105747	0.000152449	0.000129478	0.000134577	2.15662E-05	0.000105747	0.000152291
5900	0.000127361	0.000133042	2.85241E-05	0.000100042	0.000121698	0.000124778	0.000129641	2.18418E-05	0.000100042	0.000124254
5901	0.000120203	0.00012559	2.64925E-05	9.07787E-05	0.000102561	0.000116577	0.000121105	2.07262E-05	9.07787E-05	0.000105965
5902	0.000108326	0.000113213	2.32974E-05	7.93057E-05	8.56337E-05	0.000104312	0.000108373	1.83447E-05	7.93057E-05	9.06366E-05
5903	9.36025E-05	9.78333E-05	2.00032E-05	6.93542E-05	8.32533E-05	9.04522E-05	9.39975E-05	1.54103E-05	6.93542E-05	8.81249E-05
5904	8.21329E-05	8.58604E-05	1.7289E-05	6.30119E-05	8.20603E-05	8.01981E-05	8.33889E-05	1.26611E-05	6.30119E-05	8.68562E-05
5905	7.26231E-05	7.59364E-05	1.4987E-05	5.81104E-05	8.21827E-05	7.18384E-05	7.47479E-05	1.02546E-05	5.81104E-05	8.69901E-05
5906	6.71594E-05	7.02289E-05	1.37625E-05	5.52277E-05	8.47737E-05	6.69798E-05	6.9721E-05	8.95743E-06	5.52277E-05	8.96791E-05
5907	6.62574E-05	6.92851E-05	1.35868E-05	5.55164E-05	8.99099E-05	6.64371E-05	6.91712E-05	8.56661E-06	5.55164E-05	9.50438E-05
5908	6.91835E-05	7.23375E-05	1.43172E-05	5.92176E-05	9.7201E-05	6.97711E-05	7.26534E-05	8.76287E-06	5.92176E-05	0.000102677
5909	7.64758E-05	7.99565E-05	1.59267E-05	6.55005E-05	0.000106474	7.71178E-05	8.02956E-05	9.85528E-06	6.55005E-05	0.000112401
5910	8.32691E-05	8.70534E-05	1.74383E-05	7.05132E-05	0.000111796	8.36632E-05	8.70916E-05	1.1096E-05	7.05132E-05	0.000117345
5911	8.63637E-05	9.02699E-05	1.84123E-05	7.22625E-05	0.000207069	8.63869E-05	8.98906E-05	1.22248E-05	7.22625E-05	0.000206567
5912	8.2096E-05	8.57583E-05	1.83885E-05	7.13957E-05	0.000210153	8.28529E-05	8.61853E-05	1.23173E-05	7.13957E-05	0.000209207
5913	8.28722E-05	8.65674E-05	1.85919E-05	7.1605E-05	0.000211828	8.34633E-05	8.68124E-05	1.25732E-05	7.1605E-05	0.000211007
5914	8.80002E-05	9.19271E-05	1.96889E-05	7.55302E-05	0.000211981	8.84681E-05	9.20126E-05	1.3443E-05	7.55302E-05	0.000211194
5915	9.24116E-05	9.65382E-05	2.06257E-05	7.89214E-05	0.000212795	9.27809E-05	9.64942E-05	1.41827E-05	7.89214E-05	0.000212058
5916	9.36306E-05	9.78181E-05	2.07856E-05	8.00296E-05	0.000198975	9.40652E-05	9.78348E-05	1.42743E-05	8.00296E-05	0.000199355
5917	9.71565E-05	0.000101506	2.15004E-05	8.32321E-05	0.000197372	9.76958E-05	0.000101616	1.47163E-05	8.32321E-05	0.000197678
5918	0.000101392	0.000105934	2.23714E-05	8.7891E-05	0.000194069	0.000102338	0.000106462	1.50484E-05	8.7891E-05	0.000194211
5919	0.000107498	0.000112319	2.36279E-05	9.36696E-05	0.000201746	0.000108701	0.000113092	1.57674E-05	9.36696E-05	0.000200474

5920	0.000117112	0.000122376	2.5537E-05	0.000101332	0.000194615	0.000118239	0.000123011	1.72177E-05	0.000101332	0.000192999
5921	0.000124878	0.000130482	2.73887E-05	0.000109115	0.000189652	0.000126401	0.000131513	1.81984E-05	0.000109115	0.000187781
5922	0.00012891	0.000134682	2.8502E-05	0.000110318	0.000185995	0.000129593	0.000134793	1.95381E-05	0.000110318	0.000183914
5923	0.000134392	0.000140406	2.97822E-05	0.000108903	0.000154506	0.000132941	0.000138183	2.1975E-05	0.000108903	0.000154455
5924	0.000130134	0.000135942	2.9094E-05	0.000102534	0.000123672	0.000127621	0.000132602	2.22018E-05	0.000102534	0.00012633
5925	0.000120963	0.000126371	2.69015E-05	9.26742E-05	0.000104115	0.000117728	0.000122299	2.09819E-05	9.26742E-05	0.000107602
5926	0.000109991	0.000114955	2.36309E-05	8.07484E-05	8.67853E-05	0.000106004	0.000110134	1.85684E-05	8.07484E-05	9.1853E-05
5927	9.49748E-05	9.92675E-05	2.02995E-05	7.06738E-05	8.42911E-05	9.18851E-05	9.54903E-05	1.55762E-05	7.06738E-05	8.92219E-05
5928	8.31226E-05	8.68948E-05	1.75032E-05	6.3967E-05	8.28046E-05	8.12326E-05	8.44666E-05	1.27803E-05	6.3967E-05	8.76435E-05
5929	7.26231E-05	7.59364E-05	1.4987E-05	5.81104E-05	8.21827E-05	7.18384E-05	7.47479E-05	1.02546E-05	5.81104E-05	8.69901E-05
5930	6.71594E-05	7.02289E-05	1.37625E-05	5.52277E-05	8.47737E-05	6.69798E-05	6.9721E-05	8.95743E-06	5.52277E-05	8.96791E-05
5931	6.62574E-05	6.92851E-05	1.35868E-05	5.55164E-05	8.99099E-05	6.64371E-05	6.91712E-05	8.56661E-06	5.55164E-05	9.50438E-05
5932	6.91835E-05	7.23375E-05	1.43172E-05	5.92176E-05	9.7201E-05	6.97711E-05	7.26534E-05	8.76287E-06	5.92176E-05	0.000102677
5933	7.64758E-05	7.99565E-05	1.59267E-05	6.55005E-05	0.000106474	7.71178E-05	8.02956E-05	9.85528E-06	6.55005E-05	0.000112401
5934	8.32691E-05	8.70534E-05	1.74383E-05	7.05132E-05	0.000111796	8.36632E-05	8.70916E-05	1.1096E-05	7.05132E-05	0.000117345
5935	8.63637E-05	9.02699E-05	1.84123E-05	7.22625E-05	0.000207069	8.63869E-05	8.98906E-05	1.22248E-05	7.22625E-05	0.000206567
5936	8.2096E-05	8.57583E-05	1.83885E-05	7.13957E-05	0.000210153	8.28529E-05	8.61853E-05	1.23173E-05	7.13957E-05	0.000209207
5937	8.28722E-05	8.65674E-05	1.85919E-05	7.1605E-05	0.000211828	8.34633E-05	8.68124E-05	1.25732E-05	7.1605E-05	0.000211007
5938	8.80002E-05	9.19271E-05	1.96889E-05	7.55302E-05	0.000211981	8.84681E-05	9.20126E-05	1.3443E-05	7.55302E-05	0.000211194
5939	9.24116E-05	9.65382E-05	2.06257E-05	7.89214E-05	0.000212795	9.27809E-05	9.64942E-05	1.41827E-05	7.89214E-05	0.000212058
5940	9.36306E-05	9.78181E-05	2.07856E-05	8.00296E-05	0.000198975	9.40652E-05	9.78348E-05	1.42743E-05	8.00296E-05	0.000199355
5941	9.71565E-05	0.000101506	2.15004E-05	8.32321E-05	0.000197372	9.76958E-05	0.000101616	1.47163E-05	8.32321E-05	0.000197678
5942	0.000101392	0.000105934	2.23714E-05	8.7891E-05	0.000194069	0.000102338	0.000106462	1.50484E-05	8.7891E-05	0.000194211
5943	0.000107498	0.000112319	2.36279E-05	9.36696E-05	0.000201746	0.000108701	0.000113092	1.57674E-05	9.36696E-05	0.000200474
5944	0.000117112	0.000122376	2.5537E-05	0.000101332	0.000194615	0.000118239	0.000123011	1.72177E-05	0.000101332	0.000192999
5945	0.000124878	0.000130482	2.73887E-05	0.000109115	0.000189652	0.000126401	0.000131513	1.81984E-05	0.000109115	0.000187781
5946	0.00012891	0.000134682	2.8502E-05	0.000110318	0.000185995	0.000129593	0.000134793	1.95381E-05	0.000110318	0.000183914
5947	0.000134392	0.000140406	2.97822E-05	0.000108903	0.000154506	0.000132941	0.000138183	2.1975E-05	0.000108903	0.000154455
5948	0.000130134	0.000135942	2.9094E-05	0.000102534	0.000123672	0.000127621	0.000132602	2.22018E-05	0.000102534	0.00012633
5949	0.000120963	0.000126371	2.69015E-05	9.26742E-05	0.000104115	0.000117728	0.000122299	2.09819E-05	9.26742E-05	0.000107602
5950	0.000109991	0.000114955	2.36309E-05	8.07484E-05	8.67853E-05	0.000106004	0.000110134	1.85684E-05	8.07484E-05	9.1853E-05
5951	9.49748E-05	9.92675E-05	2.02995E-05	7.06738E-05	8.42911E-05	9.18851E-05	9.54903E-05	1.55762E-05	7.06738E-05	8.92219E-05
5952	8.31226E-05	8.68948E-05	1.75032E-05	6.3967E-05	8.28046E-05	8.12326E-05	8.44666E-05	1.27803E-05	6.3967E-05	8.76435E-05
5953	7.26231E-05	7.59364E-05	1.4987E-05	5.81104E-05	8.21827E-05	7.18384E-05	7.47479E-05	1.02546E-05	5.81104E-05	8.69901E-05
5954	6.71594E-05	7.02289E-05	1.37625E-05	5.52277E-05	8.47737E-05	6.69798E-05	6.9721E-05	8.95743E-06	5.52277E-05	8.96791E-05
5955	6.62574E-05	6.92851E-05	1.35868E-05	5.55164E-05	8.99099E-05	6.64371E-05	6.91712E-05	8.56661E-06	5.55164E-05	9.50438E-05
5956	6.91835E-05	7.23375E-05	1.43172E-05	5.92176E-05	9.7201E-05	6.97711E-05	7.26534E-05	8.76287E-06	5.92176E-05	0.000102677
5957	7.64758E-05	7.99565E-05	1.59267E-05	6.55005E-05	0.000106474	7.71178E-05	8.02956E-05	9.85528E-06	6.55005E-05	0.000112401
5958	8.32691E-05	8.70534E-05	1.74383E-05	7.05132E-05	0.000111796	8.36632E-05	8.70916E-05	1.1096E-05	7.05132E-05	0.000117345
5959	8.63637E-05	9.02699E-05	1.84123E-05	7.22625E-05	0.000207069	8.63869E-05	8.98906E-05	1.22248E-05	7.22625E-05	0.000206567
5960	8.2096E-05	8.57583E-05	1.83885E-05	7.13957E-05	0.000210153	8.28529E-05	8.61853E-05	1.23173E-05	7.13957E-05	0.000209207
5961	8.28722E-05	8.65674E-05	1.85919E-05	7.1605E-05	0.000211828	8.34633E-05	8.68124E-05	1.25732E-05	7.1605E-05	0.000211007
5962	8.80002E-05	9.19271E-05	1.96889E-05	7.55302E-05	0.000211981	8.84681E-05	9.20126E-05	1.3443E-05	7.55302E-05	0.000211194
5963	9.24116E-05	9.65382E-05	2.06257E-05	7.89214E-05	0.000212795	9.27809E-05	9.64942E-05	1.41827E-05	7.89214E-05	0.000212058
5964	9.36306E-05	9.78181E-05	2.07856E-05	8.00296E-05	0.000198975	9.40652E-05	9.78348E-05	1.42743E-05	8.00296E-05	0.000199355
5965	9.71565E-05	0.000101506	2.15004E-05	8.32321E-05	0.000197372	9.76958E-05	0.000101616	1.47163E-05	8.32321E-05	0.000197678
5966	0.000101392	0.000105934	2.23714E-05	8.7891E-05	0.000194069	0.000102338	0.000106462	1.50484E-05	8.7891E-05	0.000194211
5967	0.000107498	0.000112319	2.36279E-05	9.36696E-05	0.000201746	0.000108701	0.000113092	1.57674E-05	9.36696E-05	0.000200474
5968	0.000117112	0.000122376	2.5537E-05	0.000101332	0.000194615	0.000118239	0.000123011	1.72177E-05	0.000101332	0.000192999
5969	0.000124878	0.000130482	2.73887E-05	0.000109115	0.000189652	0.000126401	0.000131513	1.81984E-05	0.000109115	0.000187781
5970	0.00012891	0.000134682	2.8502E-05	0.000110318	0.000185995	0.000129593	0.000134793	1.95381E-05	0.000110318	0.000183914
5971	0.000134392	0.000140406	2.97822E-05	0.000108903	0.000154506	0.000132941	0.000138183	2.1975E-05	0.000108903	0.000154455
5972	0.000130134	0.000135942	2.9094E-05	0.000102534	0.000123672	0.000127621	0.000132602	2.22018E-05	0.000102534	0.00012633
5973	0.000120963	0.000126371	2.69015E-05	9.26742E-05	0.000104115	0.000117728	0.000122299	2.09819E-05	9.26742E-05	0.000107602
5974	0.000109991	0.000114955	2.36309E-05	8.07484E-05	8.67853E-05	0.000106004	0.000110134	1.85684E-05	8.07484E-05	9.1853E-05
5975	9.49748E-05	9.92675E-05	2.02995E-05	7.06738E-05	8.42911E-05	9.18851E-05	9.54903E-05	1.55762E-05	7.06738E-05	8.92219E-05
5976	8.31226E-05	8.68948E-05	1.75032E-05	6.3967E-05	8.28046E-05	8.12326E-05	8.44666E-05	1.27803E-05	6.3967E-05	8.76435E-05
5977	7.13688E-05	7.46246E-05	1.47302E-05	5.69897E-05	8.26239E-05	7.0554E-05	7.34106E-05	1.00909E-05	5.69897E-05	8.74397E-05
5978	6.73406E-05	7.04181E-05	1.3804E-05	5.54163E-05	8.43214E-05	6.71733E-05	6.99227E-05	8.9773E-06	5.54163E-05	8.92096E-05
5979	6.6392E-05	6.94261E-05	1.36113E-05	5.56177E-05	8.94794E-05	6.65693E-05	6.93087E-05	8.58685E-06	5.56177E-05	9.45964E-05
5980	6.91666E-05	7.23201E-05	1.43082E-05	5.91686E-05	9.66098E-05	6.97437E-05	7.26246E-05	8.76544E-06	5.91686E-05	0.00010206
5981	7.62259E-05	7.96958E-05	1.58632E-05	6.5202E-05	0.000105607	7.68396E-05	8.00053E-05	9.83328E-06	6.5202E-05	0.000111495
5982	8.32474E-05	8.70315E-05	1.74188E-05	7.04018E-05	0.000110607	8.36136E-05	8.70392E-05	1.11061E-05	7.04018E-05	0.000116102
5983	8.50454E-05	8.88767E-05	1.83968E-05	7.23074E-05	0.000205691	8.54116E-05	8.887E-05	1.22083E-05	7.23074E-05	0.000205123
5984	8.27586E-05	8.64508E-05	1.85305E-05	7.20266E-05	0.000208412	8.35429E-05	8.69041E-05	1.23983E-05	7.20266E-05	0.000207379
5985	8.35928E-05	8.73206E-05	1.87433E-05	7.22724E-05	0.000209908	8.4208E-05	8.75881E-05	1.2664E-05	7.22724E-05	0.000208989
5986	8.80163E-05	9.1944E-05	1.96905E-05	7.55344E-05	0.000210098	8.84815E-05	9.20265E-05	1.34465E-05	7.55344E-05	0.00020921
5987	9.15013E-05	9.55867E-05	2.04321E-05	7.80635E-05	0.000210854	9.18356E-05	9.55096E-05	1.40701E-05	7.80635E-05	0.000210008
5988	9.21837E-05	9.63062E-05	2.04702E-05	7.86198E-05	0.00019698	9.25489E-05	9.62551E-05	1.4102E-05	7.86198E-05	0.00019725
5989	9.52202E-05	9.94819E-05	2.10848E-05	8.13844E-05	0.000195594	9.56784E-05	9.95146E-05	1.44802E-05	8.13844E-05	0.0001958
5990	9.89163E-05	0.000103346	2.18621E-05	8.5664E-05	0.000192087	9.97986E-05	0.000103818	1.47276E-05	8.5664E-05	0.000192118
5991	0.000104476	0.00010916	2.30079E-05	9.09611E-05	0.00019988	0.000105605	0.000109868	1.53744E-05	9.09611E-05	0.000198503
5992	0.00011299	0.000118065	2.47091E-05	9.77461E-05	0.000192711	0.000114048	0.000118648	1.66662E-05	9.77461E-05	0.000190989
5993	0.000120398	0.0001258	2.64177E-05	0.000104783	0.000187662	0.000121716	0.000126632	1.76603E-05	0.000104783	0.00018568
5994	0.000125084	0.000130685	2.76567E-05	0.00010652	0.000183953	0.000125563	0.000130594	1.90923E-05	0.00010652	0.000181767
5995	0.000131064	0.000136927	2.9071E-05	0.000105747	0.000152449	0.000129478	0.000134577	2.15662E-05	0.000105747	0.000152291

5996	0.000127361	0.000133042	2.85241E-05	0.000100042	0.000121698	0.000124778	0.000129641	2.18418E-05	0.000100042	0.000124254
5997	0.000120203	0.00012559	2.64925E-05	9.07787E-05	0.000102561	0.000116577	0.000121105	2.07262E-05	9.07787E-05	0.000105965
5998	0.000108326	0.000113213	2.32974E-05	7.93057E-05	8.56337E-05	0.000104312	0.000108373	1.83447E-05	7.93057E-05	9.06366E-05
5999	9.36025E-05	9.78333E-05	2.00032E-05	6.93542E-05	8.32533E-05	9.04522E-05	9.39975E-05	1.54103E-05	6.93542E-05	8.81249E-05
6000	8.21329E-05	8.58604E-05	1.7289E-05	6.30119E-05	8.20603E-05	8.01981E-05	8.33889E-05	1.26611E-05	6.30119E-05	8.68562E-05
6001	7.13688E-05	7.46246E-05	1.47302E-05	5.69897E-05	8.26239E-05	7.0554E-05	7.34106E-05	1.00909E-05	5.69897E-05	8.74397E-05
6002	6.73406E-05	7.04181E-05	1.3804E-05	5.54163E-05	8.43214E-05	6.71733E-05	6.99227E-05	8.9773E-06	5.54163E-05	8.92096E-05
6003	6.6392E-05	6.94261E-05	1.36113E-05	5.56177E-05	8.94794E-05	6.65693E-05	6.93087E-05	8.58685E-06	5.56177E-05	9.45964E-05
6004	6.91666E-05	7.23201E-05	1.43082E-05	5.91686E-05	9.66098E-05	6.97437E-05	7.26246E-05	8.76544E-06	5.91686E-05	0.00010206
6005	7.62259E-05	7.96958E-05	1.58632E-05	6.5202E-05	0.000105607	7.68396E-05	8.00053E-05	9.83328E-06	6.5202E-05	0.000111495
6006	8.32474E-05	8.70315E-05	1.74188E-05	7.04018E-05	0.000110607	8.36136E-05	8.70392E-05	1.11061E-05	7.04018E-05	0.000116102
6007	8.50454E-05	8.88767E-05	1.83968E-05	7.23074E-05	0.000205691	8.54116E-05	8.887E-05	1.22083E-05	7.23074E-05	0.000205123
6008	8.27586E-05	8.64508E-05	1.85305E-05	7.20266E-05	0.000208412	8.35429E-05	8.69041E-05	1.23983E-05	7.20266E-05	0.000207379
6009	8.35928E-05	8.73206E-05	1.87433E-05	7.22724E-05	0.000209908	8.4208E-05	8.75881E-05	1.2664E-05	7.22724E-05	0.000208989
6010	8.80163E-05	9.1944E-05	1.96905E-05	7.55344E-05	0.000210098	8.84815E-05	9.20265E-05	1.34465E-05	7.55344E-05	0.00020921
6011	9.15013E-05	9.55867E-05	2.04321E-05	7.80635E-05	0.000210854	9.18356E-05	9.55096E-05	1.40701E-05	7.80635E-05	0.000210008
6012	9.21837E-05	9.63062E-05	2.04702E-05	7.86198E-05	0.00019698	9.25489E-05	9.62551E-05	1.4102E-05	7.86198E-05	0.00019725
6013	9.52202E-05	9.94819E-05	2.10848E-05	8.13844E-05	0.000195594	9.56784E-05	9.95146E-05	1.44802E-05	8.13844E-05	0.0001958
6014	9.89163E-05	0.000103346	2.18621E-05	8.5664E-05	0.000192087	9.97986E-05	0.000103818	1.47276E-05	8.5664E-05	0.000192118
6015	0.000104476	0.00010916	2.30079E-05	9.09611E-05	0.00019988	0.000105605	0.000109868	1.53744E-05	9.09611E-05	0.000198503
6016	0.00011299	0.000118065	2.47091E-05	9.77461E-05	0.000192711	0.000114048	0.000118648	1.66662E-05	9.77461E-05	0.000190989
6017	0.000120398	0.0001258	2.64177E-05	0.000104783	0.000187662	0.000121716	0.000126632	1.76603E-05	0.000104783	0.00018568
6018	0.000125084	0.000130685	2.76567E-05	0.00010652	0.000183953	0.000125563	0.000130594	1.90923E-05	0.00010652	0.000181767
6019	0.000131064	0.000136927	2.9071E-05	0.000105747	0.000152449	0.000129478	0.000134577	2.15662E-05	0.000105747	0.000152291
6020	0.000127361	0.000133042	2.85241E-05	0.000100042	0.000121698	0.000124778	0.000129641	2.18418E-05	0.000100042	0.000124254
6021	0.000120203	0.00012559	2.64925E-05	9.07787E-05	0.000102561	0.000116577	0.000121105	2.07262E-05	9.07787E-05	0.000105965
6022	0.000108326	0.000113213	2.32974E-05	7.93057E-05	8.56337E-05	0.000104312	0.000108373	1.83447E-05	7.93057E-05	9.06366E-05
6023	9.36025E-05	9.78333E-05	2.00032E-05	6.93542E-05	8.32533E-05	9.04522E-05	9.39975E-05	1.54103E-05	6.93542E-05	8.81249E-05
6024	8.21329E-05	8.58604E-05	1.7289E-05	6.30119E-05	8.20603E-05	8.01981E-05	8.33889E-05	1.26611E-05	6.30119E-05	8.68562E-05
6025	7.13688E-05	7.46246E-05	1.47302E-05	5.69897E-05	8.26239E-05	7.0554E-05	7.34106E-05	1.00909E-05	5.69897E-05	8.74397E-05
6026	6.73406E-05	7.04181E-05	1.3804E-05	5.54163E-05	8.43214E-05	6.71733E-05	6.99227E-05	8.9773E-06	5.54163E-05	8.92096E-05
6027	6.6392E-05	6.94261E-05	1.36113E-05	5.56177E-05	8.94794E-05	6.65693E-05	6.93087E-05	8.58685E-06	5.56177E-05	9.45964E-05
6028	6.91666E-05	7.23201E-05	1.43082E-05	5.91686E-05	9.66098E-05	6.97437E-05	7.26246E-05	8.76544E-06	5.91686E-05	0.00010206
6029	7.62259E-05	7.96958E-05	1.58632E-05	6.5202E-05	0.000105607	7.68396E-05	8.00053E-05	9.83328E-06	6.5202E-05	0.000111495
6030	8.32474E-05	8.70315E-05	1.74188E-05	7.04018E-05	0.000110607	8.36136E-05	8.70392E-05	1.11061E-05	7.04018E-05	0.000116102
6031	8.50454E-05	8.88767E-05	1.83968E-05	7.23074E-05	0.000205691	8.54116E-05	8.887E-05	1.22083E-05	7.23074E-05	0.000205123
6032	8.27586E-05	8.64508E-05	1.85305E-05	7.20266E-05	0.000208412	8.35429E-05	8.69041E-05	1.23983E-05	7.20266E-05	0.000207379
6033	8.35928E-05	8.73206E-05	1.87433E-05	7.22724E-05	0.000209908	8.4208E-05	8.75881E-05	1.2664E-05	7.22724E-05	0.000208989
6034	8.80163E-05	9.1944E-05	1.96905E-05	7.55344E-05	0.000210098	8.84815E-05	9.20265E-05	1.34465E-05	7.55344E-05	0.00020921
6035	9.15013E-05	9.55867E-05	2.04321E-05	7.80635E-05	0.000210854	9.18356E-05	9.55096E-05	1.40701E-05	7.80635E-05	0.000210008
6036	9.21837E-05	9.63062E-05	2.04702E-05	7.86198E-05	0.00019698	9.25489E-05	9.62551E-05	1.4102E-05	7.86198E-05	0.00019725
6037	9.52202E-05	9.94819E-05	2.10848E-05	8.13844E-05	0.000195594	9.56784E-05	9.95146E-05	1.44802E-05	8.13844E-05	0.0001958
6038	9.89163E-05	0.000103346	2.18621E-05	8.5664E-05	0.000192087	9.97986E-05	0.000103818	1.47276E-05	8.5664E-05	0.000192118
6039	0.000104476	0.00010916	2.30079E-05	9.09611E-05	0.00019988	0.000105605	0.000109868	1.53744E-05	9.09611E-05	0.000198503
6040	0.00011299	0.000118065	2.47091E-05	9.77461E-05	0.000192711	0.000114048	0.000118648	1.66662E-05	9.77461E-05	0.000190989
6041	0.000120398	0.0001258	2.64177E-05	0.000104783	0.000187662	0.000121716	0.000126632	1.76603E-05	0.000104783	0.00018568
6042	0.000125084	0.000130685	2.76567E-05	0.00010652	0.000183953	0.000125563	0.000130594	1.90923E-05	0.00010652	0.000181767
6043	0.000131064	0.000136927	2.9071E-05	0.000105747	0.000152449	0.000129478	0.000134577	2.15662E-05	0.000105747	0.000152291
6044	0.000127361	0.000133042	2.85241E-05	0.000100042	0.000121698	0.000124778	0.000129641	2.18418E-05	0.000100042	0.000124254
6045	0.000120203	0.00012559	2.64925E-05	9.07787E-05	0.000102561	0.000116577	0.000121105	2.07262E-05	9.07787E-05	0.000105965
6046	0.000108326	0.000113213	2.32974E-05	7.93057E-05	8.56337E-05	0.000104312	0.000108373	1.83447E-05	7.93057E-05	9.06366E-05
6047	9.36025E-05	9.78333E-05	2.00032E-05	6.93542E-05	8.32533E-05	9.04522E-05	9.39975E-05	1.54103E-05	6.93542E-05	8.81249E-05
6048	8.21329E-05	8.58604E-05	1.7289E-05	6.30119E-05	8.20603E-05	8.01981E-05	8.33889E-05	1.26611E-05	6.30119E-05	8.68562E-05
6049	7.13688E-05	7.46246E-05	1.47302E-05	5.69897E-05	8.26239E-05	7.0554E-05	7.34106E-05	1.00909E-05	5.69897E-05	8.74397E-05
6050	6.73406E-05	7.04181E-05	1.3804E-05	5.54163E-05	8.43214E-05	6.71733E-05	6.99227E-05	8.9773E-06	5.54163E-05	8.92096E-05
6051	6.6392E-05	6.94261E-05	1.36113E-05	5.56177E-05	8.94794E-05	6.65693E-05	6.93087E-05	8.58685E-06	5.56177E-05	9.45964E-05
6052	6.91666E-05	7.23201E-05	1.43082E-05	5.91686E-05	9.66098E-05	6.97437E-05	7.26246E-05	8.76544E-06	5.91686E-05	0.00010206
6053	7.62259E-05	7.96958E-05	1.58632E-05	6.5202E-05	0.000105607	7.68396E-05	8.00053E-05	9.83328E-06	6.5202E-05	0.000111495
6054	8.32474E-05	8.70315E-05	1.74188E-05	7.04018E-05	0.000110607	8.36136E-05	8.70392E-05	1.11061E-05	7.04018E-05	0.000116102
6055	8.50454E-05	8.88767E-05	1.83968E-05	7.23074E-05	0.000205691	8.54116E-05	8.887E-05	1.22083E-05	7.23074E-05	0.000205123
6056	8.27586E-05	8.64508E-05	1.85305E-05	7.20266E-05	0.000208412	8.35429E-05	8.69041E-05	1.23983E-05	7.20266E-05	0.000207379
6057	8.35928E-05	8.73206E-05	1.87433E-05	7.22724E-05	0.000209908	8.4208E-05	8.75881E-05	1.2664E-05	7.22724E-05	0.000208989
6058	8.80163E-05	9.1944E-05	1.96905E-05	7.55344E-05	0.000210098	8.84815E-05	9.20265E-05	1.34465E-05	7.55344E-05	0.00020921
6059	9.15013E-05	9.55867E-05	2.04321E-05	7.80635E-05	0.000210854	9.18356E-05	9.55096E-05	1.40701E-05	7.80635E-05	0.000210008
6060	9.21837E-05	9.63062E-05	2.04702E-05	7.86198E-05	0.00019698	9.25489E-05	9.62551E-05	1.4102E-05	7.86198E-05	0.00019725
6061	9.52202E-05	9.94819E-05	2.10848E-05	8.13844E-05	0.000195594	9.56784E-05	9.95146E-05	1.44802E-05	8.13844E-05	0.0001958
6062	9.89163E-05	0.000103346	2.18621E-05	8.5664E-05	0.000192087	9.97986E-05	0.000103818	1.47276E-05	8.5664E-05	0.000192118
6063	0.000104476	0.00010916	2.30079E-05	9.09611E-05	0.00019988	0.000105605	0.000109868	1.53744E-05	9.09611E-05	0.000198503
6064	0.00011299	0.000118065	2.47091E-05	9.77461E-05	0.000192711	0.000114048	0.000118648	1.66662E-05	9.77461E-05	0.000190989
6065	0.000120398	0.0001258	2.64177E-05	0.000104783	0.000187662	0.000121716	0.000126632	1.76603E-05	0.000104783	0.00018568
6066	0.000125084	0.000130685	2.76567E-05	0.00010652	0.000183953	0.000125563	0.000130594	1.90923E-05	0.00010652	0.000181767
6067	0.000131064	0.000136927	2.9071E-05	0.000105747	0.000152449	0.000129478	0.000134577	2.15662E-05	0.000105747	0.000152291
6068	0.000127361	0.000133042	2.85241E-05	0.000100042	0.000121698	0.000124778	0.000129641	2.18418E-05	0.000100042	0.000124254
6069	0.000120203	0.00012559	2.64925E-05	9.07787E-05	0.000102561	0.000116577	0.000121105	2.07262E-05	9.07787E-05	0.000105965
6070	0.000108326	0.000113213	2.32974E-05	7.93057E-05	8.56337E-05	0.000104312	0.000108373	1.83447E-05	7.93057E-05	9.06366E-05
6071	9.36025E-05	9.78333E-05	2.00032E-05	6.93542E-05	8.32533E-05	9.04522E-05	9.39975E-05	1.54103E-05	6.93542E-05	8.81249E-05

6072	8.21329E-05	8.58604E-05	1.7289E-05	6.30119E-05	8.20603E-05	8.01981E-05	8.33889E-05	1.26611E-05	6.30119E-05	8.68562E-05
6073	7.26231E-05	7.59364E-05	1.4987E-05	5.81104E-05	8.21827E-05	7.18384E-05	7.47479E-05	1.02546E-05	5.81104E-05	8.69901E-05
6074	6.71594E-05	7.02289E-05	1.37625E-05	5.52277E-05	8.47737E-05	6.69798E-05	6.9721E-05	8.95743E-06	5.52277E-05	8.96791E-05
6075	6.62574E-05	6.92851E-05	1.35868E-05	5.55164E-05	8.99099E-05	6.64371E-05	6.91712E-05	8.56661E-06	5.55164E-05	9.50438E-05
6076	6.91835E-05	7.23375E-05	1.43172E-05	5.92176E-05	9.7201E-05	6.97711E-05	7.26534E-05	8.76287E-06	5.92176E-05	0.000102677
6077	7.64758E-05	7.99565E-05	1.59267E-05	6.55005E-05	0.000106474	7.71178E-05	8.02956E-05	9.85528E-06	6.55005E-05	0.000112401
6078	8.32691E-05	8.70534E-05	1.74383E-05	7.05132E-05	0.000111796	8.36632E-05	8.70916E-05	1.1096E-05	7.05132E-05	0.000117345
6079	8.63637E-05	9.02699E-05	1.84123E-05	7.22625E-05	0.000207069	8.63869E-05	8.98906E-05	1.22248E-05	7.22625E-05	0.000206567
6080	8.2096E-05	8.57583E-05	1.83885E-05	7.13957E-05	0.000210153	8.28529E-05	8.61853E-05	1.23173E-05	7.13957E-05	0.000209207
6081	8.28722E-05	8.65674E-05	1.85919E-05	7.1605E-05	0.000211828	8.34633E-05	8.68124E-05	1.25732E-05	7.1605E-05	0.000211007
6082	8.80002E-05	9.19271E-05	1.96889E-05	7.55302E-05	0.000211981	8.84681E-05	9.20126E-05	1.3443E-05	7.55302E-05	0.000211194
6083	9.24116E-05	9.65382E-05	2.06257E-05	7.89214E-05	0.000212795	9.27809E-05	9.64942E-05	1.41827E-05	7.89214E-05	0.000212058
6084	9.36306E-05	9.78181E-05	2.07856E-05	8.00296E-05	0.000198975	9.40652E-05	9.78348E-05	1.42743E-05	8.00296E-05	0.000199355
6085	9.71565E-05	0.000101506	2.15004E-05	8.32321E-05	0.000197372	9.76958E-05	0.000101616	1.47163E-05	8.32321E-05	0.000197678
6086	0.000101392	0.000105934	2.23714E-05	8.7891E-05	0.000194069	0.000102338	0.000106462	1.50484E-05	8.7891E-05	0.000194211
6087	0.000107498	0.000112319	2.36279E-05	9.36696E-05	0.000201746	0.000108701	0.000113092	1.57674E-05	9.36696E-05	0.000200474
6088	0.000117112	0.000122376	2.5537E-05	0.000101332	0.000194615	0.000118239	0.000123011	1.72177E-05	0.000101332	0.000192999
6089	0.000124878	0.000130482	2.73887E-05	0.000109115	0.000189652	0.000126401	0.000131513	1.81984E-05	0.000109115	0.000187781
6090	0.00012891	0.000134682	2.8502E-05	0.000110318	0.000185995	0.000129593	0.000134793	1.95381E-05	0.000110318	0.000183914
6091	0.000134392	0.000140406	2.97822E-05	0.000108903	0.000154506	0.000132941	0.000138183	2.1975E-05	0.000108903	0.000154455
6092	0.000130134	0.000135942	2.9094E-05	0.000102534	0.000123672	0.000127621	0.000132602	2.22018E-05	0.000102534	0.00012633
6093	0.000120963	0.000126371	2.69015E-05	9.26742E-05	0.000104115	0.000117728	0.000122299	2.09819E-05	9.26742E-05	0.000107602
6094	0.000109991	0.000114955	2.36309E-05	8.07484E-05	8.67853E-05	0.000106004	0.000110134	1.85684E-05	8.07484E-05	9.1853E-05
6095	9.49748E-05	9.92675E-05	2.02995E-05	7.06738E-05	8.42911E-05	9.18851E-05	9.54903E-05	1.55762E-05	7.06738E-05	8.92219E-05
6096	8.31226E-05	8.68948E-05	1.75032E-05	6.3967E-05	8.28046E-05	8.12326E-05	8.44666E-05	1.27803E-05	6.3967E-05	8.76435E-05
6097	7.26231E-05	7.59364E-05	1.4987E-05	5.81104E-05	8.21827E-05	7.18384E-05	7.47479E-05	1.02546E-05	5.81104E-05	8.69901E-05
6098	6.71594E-05	7.02289E-05	1.37625E-05	5.52277E-05	8.47737E-05	6.69798E-05	6.9721E-05	8.95743E-06	5.52277E-05	8.96791E-05
6099	6.62574E-05	6.92851E-05	1.35868E-05	5.55164E-05	8.99099E-05	6.64371E-05	6.91712E-05	8.56661E-06	5.55164E-05	9.50438E-05
6100	6.91835E-05	7.23375E-05	1.43172E-05	5.92176E-05	9.7201E-05	6.97711E-05	7.26534E-05	8.76287E-06	5.92176E-05	0.000102677
6101	7.64758E-05	7.99565E-05	1.59267E-05	6.55005E-05	0.000106474	7.71178E-05	8.02956E-05	9.85528E-06	6.55005E-05	0.000112401
6102	8.32691E-05	8.70534E-05	1.74383E-05	7.05132E-05	0.000111796	8.36632E-05	8.70916E-05	1.1096E-05	7.05132E-05	0.000117345
6103	8.63637E-05	9.02699E-05	1.84123E-05	7.22625E-05	0.000207069	8.63869E-05	8.98906E-05	1.22248E-05	7.22625E-05	0.000206567
6104	8.2096E-05	8.57583E-05	1.83885E-05	7.13957E-05	0.000210153	8.28529E-05	8.61853E-05	1.23173E-05	7.13957E-05	0.000209207
6105	8.28722E-05	8.65674E-05	1.85919E-05	7.1605E-05	0.000211828	8.34633E-05	8.68124E-05	1.25732E-05	7.1605E-05	0.000211007
6106	8.80002E-05	9.19271E-05	1.96889E-05	7.55302E-05	0.000211981	8.84681E-05	9.20126E-05	1.3443E-05	7.55302E-05	0.000211194
6107	9.24116E-05	9.65382E-05	2.06257E-05	7.89214E-05	0.000212795	9.27809E-05	9.64942E-05	1.41827E-05	7.89214E-05	0.000212058
6108	9.36306E-05	9.78181E-05	2.07856E-05	8.00296E-05	0.000198975	9.40652E-05	9.78348E-05	1.42743E-05	8.00296E-05	0.000199355
6109	9.71565E-05	0.000101506	2.15004E-05	8.32321E-05	0.000197372	9.76958E-05	0.000101616	1.47163E-05	8.32321E-05	0.000197678
6110	0.000101392	0.000105934	2.23714E-05	8.7891E-05	0.000194069	0.000102338	0.000106462	1.50484E-05	8.7891E-05	0.000194211
6111	0.000107498	0.000112319	2.36279E-05	9.36696E-05	0.000201746	0.000108701	0.000113092	1.57674E-05	9.36696E-05	0.000200474
6112	0.000117112	0.000122376	2.5537E-05	0.000101332	0.000194615	0.000118239	0.000123011	1.72177E-05	0.000101332	0.000192999
6113	0.000124878	0.000130482	2.73887E-05	0.000109115	0.000189652	0.000126401	0.000131513	1.81984E-05	0.000109115	0.000187781
6114	0.00012891	0.000134682	2.8502E-05	0.000110318	0.000185995	0.000129593	0.000134793	1.95381E-05	0.000110318	0.000183914
6115	0.000134392	0.000140406	2.97822E-05	0.000108903	0.000154506	0.000132941	0.000138183	2.1975E-05	0.000108903	0.000154455
6116	0.000130134	0.000135942	2.9094E-05	0.000102534	0.000123672	0.000127621	0.000132602	2.22018E-05	0.000102534	0.00012633
6117	0.000120963	0.000126371	2.69015E-05	9.26742E-05	0.000104115	0.000117728	0.000122299	2.09819E-05	9.26742E-05	0.000107602
6118	0.000109991	0.000114955	2.36309E-05	8.07484E-05	8.67853E-05	0.000106004	0.000110134	1.85684E-05	8.07484E-05	9.1853E-05
6119	9.49748E-05	9.92675E-05	2.02995E-05	7.06738E-05	8.42911E-05	9.18851E-05	9.54903E-05	1.55762E-05	7.06738E-05	8.92219E-05
6120	8.31226E-05	8.68948E-05	1.75032E-05	6.3967E-05	8.28046E-05	8.12326E-05	8.44666E-05	1.27803E-05	6.3967E-05	8.76435E-05
6121	7.13688E-05	7.46246E-05	1.47302E-05	5.69897E-05	8.26239E-05	7.0554E-05	7.34106E-05	1.00909E-05	5.69897E-05	8.74397E-05
6122	6.73406E-05	7.04181E-05	1.3804E-05	5.54163E-05	8.43214E-05	6.71733E-05	6.99227E-05	8.9773E-06	5.54163E-05	8.92096E-05
6123	6.6392E-05	6.94261E-05	1.36113E-05	5.56177E-05	8.94794E-05	6.65693E-05	6.93087E-05	8.58685E-06	5.56177E-05	9.45964E-05
6124	6.91666E-05	7.23201E-05	1.43082E-05	5.91686E-05	9.66098E-05	6.97437E-05	7.26246E-05	8.76544E-06	5.91686E-05	0.00010206
6125	7.62259E-05	7.96958E-05	1.58632E-05	6.5202E-05	0.000105607	7.68396E-05	8.00053E-05	9.83328E-06	6.5202E-05	0.000111495
6126	8.32474E-05	8.70315E-05	1.74188E-05	7.04018E-05	0.000110607	8.36136E-05	8.70392E-05	1.11061E-05	7.04018E-05	0.000116102
6127	8.50454E-05	8.88767E-05	1.83968E-05	7.23074E-05	0.000205691	8.54116E-05	8.887E-05	1.22083E-05	7.23074E-05	0.000205123
6128	8.27586E-05	8.64508E-05	1.85305E-05	7.20266E-05	0.000208412	8.35429E-05	8.69041E-05	1.23983E-05	7.20266E-05	0.000207379
6129	8.35928E-05	8.73206E-05	1.87433E-05	7.22724E-05	0.000209908	8.4208E-05	8.75881E-05	1.2664E-05	7.22724E-05	0.000208989
6130	8.80163E-05	9.1944E-05	1.96905E-05	7.55344E-05	0.000210098	8.84815E-05	9.20265E-05	1.34465E-05	7.55344E-05	0.00020921
6131	9.15013E-05	9.55867E-05	2.04321E-05	7.80635E-05	0.000210854	9.18356E-05	9.55096E-05	1.40701E-05	7.80635E-05	0.000210008
6132	9.21837E-05	9.63062E-05	2.04702E-05	7.86198E-05	0.00019698	9.25489E-05	9.62551E-05	1.4102E-05	7.86198E-05	0.00019725
6133	9.52202E-05	9.94819E-05	2.10848E-05	8.13844E-05	0.000195594	9.56784E-05	9.95146E-05	1.44802E-05	8.13844E-05	0.0001958
6134	9.89163E-05	0.000103346	2.18621E-05	8.5664E-05	0.000192087	9.97986E-05	0.000103818	1.47276E-05	8.5664E-05	0.000192118
6135	0.000104476	0.00010916	2.30079E-05	9.09611E-05	0.00019988	0.000105605	0.000109868	1.53744E-05	9.09611E-05	0.000198503
6136	0.00011299	0.000118065	2.47091E-05	9.77461E-05	0.000192711	0.000114048	0.000118648	1.66662E-05	9.77461E-05	0.000190989
6137	0.000120398	0.0001258	2.64177E-05	0.000104783	0.000187662	0.000121716	0.000126632	1.76603E-05	0.000104783	0.00018568
6138	0.000125084	0.000130685	2.76567E-05	0.00010652	0.000183953	0.000125563	0.000130594	1.90923E-05	0.00010652	0.000181767
6139	0.000131064	0.000136927	2.9071E-05	0.000105747	0.000152449	0.000129478	0.000134577	2.15662E-05	0.000105747	0.000152291
6140	0.000127361	0.000133042	2.85241E-05	0.000100042	0.000121698	0.000124778	0.000129641	2.18418E-05	0.000100042	0.000124254
6141	0.000120203	0.00012559	2.64925E-05	9.07787E-05	0.000102561	0.000116577	0.000121105	2.07262E-05	9.07787E-05	0.000105965
6142	0.000108326	0.000113213	2.32974E-05	7.93057E-05	8.56337E-05	0.000104312	0.000108373	1.83447E-05	7.93057E-05	9.06366E-05
6143	9.36025E-05	9.78333E-05	2.00032E-05	6.93542E-05	8.32533E-05	9.04522E-05	9.39975E-05	1.54103E-05	6.93542E-05	8.81249E-05
6144	8.21329E-05	8.58604E-05	1.7289E-05	6.30119E-05	8.20603E-05	8.01981E-05	8.33889E-05	1.26611E-05	6.30119E-05	8.68562E-05
6145	7.13688E-05	7.46246E-05	1.47302E-05	5.69897E-05	8.26239E-05	7.0554E-05	7.34106E-05	1.00909E-05	5.69897E-05	8.74397E-05
6146	6.73406E-05	7.04181E-05	1.3804E-05	5.54163E-05	8.43214E-05	6.71733E-05	6.99227E-05	8.9773E-06	5.54163E-05	8.92096E-05
6147	6.6392E-05	6.94261E-05	1.36113E-05	5.56177E-05	8.94794E-05	6.65693E-05	6.93087E-05	8.58685E-06	5.56177E-05	9.45964E-05

6148	6.91666E-05	7.23201E-05	1.43082E-05	5.91686E-05	9.66098E-05	6.97437E-05	7.26246E-05	8.76544E-06	5.91686E-05	0.00010206
6149	7.62259E-05	7.96958E-05	1.58632E-05	6.5202E-05	0.000105607	7.68396E-05	8.00053E-05	9.83328E-06	6.5202E-05	0.000111495
6150	8.32474E-05	8.70315E-05	1.74188E-05	7.04018E-05	0.000110607	8.36136E-05	8.70392E-05	1.11061E-05	7.04018E-05	0.000116102
6151	8.50454E-05	8.88767E-05	1.83968E-05	7.23074E-05	0.000205691	8.54116E-05	8.887E-05	1.22083E-05	7.23074E-05	0.000205123
6152	8.27586E-05	8.64508E-05	1.85305E-05	7.20266E-05	0.000208412	8.35429E-05	8.69041E-05	1.23983E-05	7.20266E-05	0.000207379
6153	8.35928E-05	8.73206E-05	1.87433E-05	7.22724E-05	0.000209908	8.4208E-05	8.75881E-05	1.2664E-05	7.22724E-05	0.000208989
6154	8.80163E-05	9.1944E-05	1.96905E-05	7.55344E-05	0.000210098	8.84815E-05	9.20265E-05	1.34465E-05	7.55344E-05	0.00020921
6155	9.15013E-05	9.55867E-05	2.04321E-05	7.80635E-05	0.000210854	9.18356E-05	9.55096E-05	1.40701E-05	7.80635E-05	0.000210008
6156	9.21837E-05	9.63062E-05	2.04702E-05	7.86198E-05	0.00019698	9.25489E-05	9.62551E-05	1.4102E-05	7.86198E-05	0.00019725
6157	9.52202E-05	9.94819E-05	2.10848E-05	8.13844E-05	0.000195594	9.56784E-05	9.95146E-05	1.44802E-05	8.13844E-05	0.0001958
6158	9.89163E-05	0.000103346	2.18621E-05	8.5664E-05	0.000192087	9.97986E-05	0.000103818	1.47276E-05	8.5664E-05	0.000192118
6159	0.000104476	0.00010916	2.30079E-05	9.09611E-05	0.00019988	0.000105605	0.000109868	1.53744E-05	9.09611E-05	0.000198503
6160	0.00011299	0.000118065	2.47091E-05	9.77461E-05	0.000192711	0.000114048	0.000118648	1.66662E-05	9.77461E-05	0.000190989
6161	0.000120398	0.0001258	2.64177E-05	0.000104783	0.000187662	0.000121716	0.000126632	1.76603E-05	0.000104783	0.00018568
6162	0.000125084	0.000130685	2.76567E-05	0.00010652	0.000183953	0.000125563	0.000130594	1.90923E-05	0.00010652	0.000181767
6163	0.000131064	0.000136927	2.9071E-05	0.000105747	0.000152449	0.000129478	0.000134577	2.15662E-05	0.000105747	0.000152291
6164	0.000127361	0.000133042	2.85241E-05	0.000100042	0.000121698	0.000124778	0.000129641	2.18418E-05	0.000100042	0.000124254
6165	0.000120203	0.00012559	2.64925E-05	9.07787E-05	0.000102561	0.000116577	0.000121105	2.07262E-05	9.07787E-05	0.000105965
6166	0.000108326	0.000113213	2.32974E-05	7.93057E-05	8.56337E-05	0.000104312	0.000108373	1.83447E-05	7.93057E-05	9.06366E-05
6167	9.36025E-05	9.78333E-05	2.00032E-05	6.93542E-05	8.32533E-05	9.04522E-05	9.39975E-05	1.54103E-05	6.93542E-05	8.81249E-05
6168	8.21329E-05	8.58604E-05	1.7289E-05	6.30119E-05	8.20603E-05	8.01981E-05	8.33889E-05	1.26611E-05	6.30119E-05	8.68562E-05
6169	7.13688E-05	7.46246E-05	1.47302E-05	5.69897E-05	8.26239E-05	7.0554E-05	7.34106E-05	1.00909E-05	5.69897E-05	8.74397E-05
6170	6.73406E-05	7.04181E-05	1.3804E-05	5.54163E-05	8.43214E-05	6.71733E-05	6.99227E-05	8.9773E-06	5.54163E-05	8.92096E-05
6171	6.6392E-05	6.94261E-05	1.36113E-05	5.56177E-05	8.94794E-05	6.65693E-05	6.93087E-05	8.58685E-06	5.56177E-05	9.45964E-05
6172	6.91666E-05	7.23201E-05	1.43082E-05	5.91686E-05	9.66098E-05	6.97437E-05	7.26246E-05	8.76544E-06	5.91686E-05	0.00010206
6173	7.62259E-05	7.96958E-05	1.58632E-05	6.5202E-05	0.000105607	7.68396E-05	8.00053E-05	9.83328E-06	6.5202E-05	0.000111495
6174	8.32474E-05	8.70315E-05	1.74188E-05	7.04018E-05	0.000110607	8.36136E-05	8.70392E-05	1.11061E-05	7.04018E-05	0.000116102
6175	8.50454E-05	8.88767E-05	1.83968E-05	7.23074E-05	0.000205691	8.54116E-05	8.887E-05	1.22083E-05	7.23074E-05	0.000205123
6176	8.27586E-05	8.64508E-05	1.85305E-05	7.20266E-05	0.000208412	8.35429E-05	8.69041E-05	1.23983E-05	7.20266E-05	0.000207379
6177	8.35928E-05	8.73206E-05	1.87433E-05	7.22724E-05	0.000209908	8.4208E-05	8.75881E-05	1.2664E-05	7.22724E-05	0.000208989
6178	8.80163E-05	9.1944E-05	1.96905E-05	7.55344E-05	0.000210098	8.84815E-05	9.20265E-05	1.34465E-05	7.55344E-05	0.00020921
6179	9.15013E-05	9.55867E-05	2.04321E-05	7.80635E-05	0.000210854	9.18356E-05	9.55096E-05	1.40701E-05	7.80635E-05	0.000210008
6180	9.21837E-05	9.63062E-05	2.04702E-05	7.86198E-05	0.00019698	9.25489E-05	9.62551E-05	1.4102E-05	7.86198E-05	0.00019725
6181	9.52202E-05	9.94819E-05	2.10848E-05	8.13844E-05	0.000195594	9.56784E-05	9.95146E-05	1.44802E-05	8.13844E-05	0.0001958
6182	9.89163E-05	0.000103346	2.18621E-05	8.5664E-05	0.000192087	9.97986E-05	0.000103818	1.47276E-05	8.5664E-05	0.000192118
6183	0.000104476	0.00010916	2.30079E-05	9.09611E-05	0.00019988	0.000105605	0.000109868	1.53744E-05	9.09611E-05	0.000198503
6184	0.00011299	0.000118065	2.47091E-05	9.77461E-05	0.000192711	0.000114048	0.000118648	1.66662E-05	9.77461E-05	0.000190989
6185	0.000120398	0.0001258	2.64177E-05	0.000104783	0.000187662	0.000121716	0.000126632	1.76603E-05	0.000104783	0.00018568
6186	0.000125084	0.000130685	2.76567E-05	0.00010652	0.000183953	0.000125563	0.000130594	1.90923E-05	0.00010652	0.000181767
6187	0.000131064	0.000136927	2.9071E-05	0.000105747	0.000152449	0.000129478	0.000134577	2.15662E-05	0.000105747	0.000152291
6188	0.000127361	0.000133042	2.85241E-05	0.000100042	0.000121698	0.000124778	0.000129641	2.18418E-05	0.000100042	0.000124254
6189	0.000120203	0.00012559	2.64925E-05	9.07787E-05	0.000102561	0.000116577	0.000121105	2.07262E-05	9.07787E-05	0.000105965
6190	0.000108326	0.000113213	2.32974E-05	7.93057E-05	8.56337E-05	0.000104312	0.000108373	1.83447E-05	7.93057E-05	9.06366E-05
6191	9.36025E-05	9.78333E-05	2.00032E-05	6.93542E-05	8.32533E-05	9.04522E-05	9.39975E-05	1.54103E-05	6.93542E-05	8.81249E-05
6192	8.21329E-05	8.58604E-05	1.7289E-05	6.30119E-05	8.20603E-05	8.01981E-05	8.33889E-05	1.26611E-05	6.30119E-05	8.68562E-05
6193	7.13688E-05	7.46246E-05	1.47302E-05	5.69897E-05	8.26239E-05	7.0554E-05	7.34106E-05	1.00909E-05	5.69897E-05	8.74397E-05
6194	6.73406E-05	7.04181E-05	1.3804E-05	5.54163E-05	8.43214E-05	6.71733E-05	6.99227E-05	8.9773E-06	5.54163E-05	8.92096E-05
6195	6.6392E-05	6.94261E-05	1.36113E-05	5.56177E-05	8.94794E-05	6.65693E-05	6.93087E-05	8.58685E-06	5.56177E-05	9.45964E-05
6196	6.91666E-05	7.23201E-05	1.43082E-05	5.91686E-05	9.66098E-05	6.97437E-05	7.26246E-05	8.76544E-06	5.91686E-05	0.00010206
6197	7.62259E-05	7.96958E-05	1.58632E-05	6.5202E-05	0.000105607	7.68396E-05	8.00053E-05	9.83328E-06	6.5202E-05	0.000111495
6198	8.32474E-05	8.70315E-05	1.74188E-05	7.04018E-05	0.000110607	8.36136E-05	8.70392E-05	1.11061E-05	7.04018E-05	0.000116102
6199	8.50454E-05	8.88767E-05	1.83968E-05	7.23074E-05	0.000205691	8.54116E-05	8.887E-05	1.22083E-05	7.23074E-05	0.000205123
6200	8.27586E-05	8.64508E-05	1.85305E-05	7.20266E-05	0.000208412	8.35429E-05	8.69041E-05	1.23983E-05	7.20266E-05	0.000207379
6201	8.35928E-05	8.73206E-05	1.87433E-05	7.22724E-05	0.000209908	8.4208E-05	8.75881E-05	1.2664E-05	7.22724E-05	0.000208989
6202	8.80163E-05	9.1944E-05	1.96905E-05	7.55344E-05	0.000210098	8.84815E-05	9.20265E-05	1.34465E-05	7.55344E-05	0.00020921
6203	9.15013E-05	9.55867E-05	2.04321E-05	7.80635E-05	0.000210854	9.18356E-05	9.55096E-05	1.40701E-05	7.80635E-05	0.000210008
6204	9.21837E-05	9.63062E-05	2.04702E-05	7.86198E-05	0.00019698	9.25489E-05	9.62551E-05	1.4102E-05	7.86198E-05	0.00019725
6205	9.52202E-05	9.94819E-05	2.10848E-05	8.13844E-05	0.000195594	9.56784E-05	9.95146E-05	1.44802E-05	8.13844E-05	0.0001958
6206	9.89163E-05	0.000103346	2.18621E-05	8.5664E-05	0.000192087	9.97986E-05	0.000103818	1.47276E-05	8.5664E-05	0.000192118
6207	0.000104476	0.00010916	2.30079E-05	9.09611E-05	0.00019988	0.000105605	0.000109868	1.53744E-05	9.09611E-05	0.000198503
6208	0.00011299	0.000118065	2.47091E-05	9.77461E-05	0.000192711	0.000114048	0.000118648	1.66662E-05	9.77461E-05	0.000190989
6209	0.000120398	0.0001258	2.64177E-05	0.000104783	0.000187662	0.000121716	0.000126632	1.76603E-05	0.000104783	0.00018568
6210	0.000125084	0.000130685	2.76567E-05	0.00010652	0.000183953	0.000125563	0.000130594	1.90923E-05	0.00010652	0.000181767
6211	0.000131064	0.000136927	2.9071E-05	0.000105747	0.000152449	0.000129478	0.000134577	2.15662E-05	0.000105747	0.000152291
6212	0.000127361	0.000133042	2.85241E-05	0.000100042	0.000121698	0.000124778	0.000129641	2.18418E-05	0.000100042	0.000124254
6213	0.000120203	0.00012559	2.64925E-05	9.07787E-05	0.000102561	0.000116577	0.000121105	2.07262E-05	9.07787E-05	0.000105965
6214	0.000108326	0.000113213	2.32974E-05	7.93057E-05	8.56337E-05	0.000104312	0.000108373	1.83447E-05	7.93057E-05	9.06366E-05
6215	9.36025E-05	9.78333E-05	2.00032E-05	6.93542E-05	8.32533E-05	9.04522E-05	9.39975E-05	1.54103E-05	6.93542E-05	8.81249E-05
6216	8.21329E-05	8.58604E-05	1.7289E-05	6.30119E-05	8.20603E-05	8.01981E-05	8.33889E-05	1.26611E-05	6.30119E-05	8.68562E-05
6217	7.13688E-05	7.46246E-05	1.47302E-05	5.69897E-05	8.26239E-05	7.0554E-05	7.34106E-05	1.00909E-05	5.69897E-05	8.74397E-05
6218	6.73406E-05	7.04181E-05	1.3804E-05	5.54163E-05	8.43214E-05	6.71733E-05	6.99227E-05	8.9773E-06	5.54163E-05	8.92096E-05
6219	6.6392E-05	6.94261E-05	1.36113E-05	5.56177E-05	8.94794E-05	6.65693E-05	6.93087E-05	8.58685E-06	5.56177E-05	9.45964E-05
6220	6.91666E-05	7.23201E-05	1.43082E-05	5.91686E-05	9.66098E-05	6.97437E-05	7.26246E-05	8.76544E-06	5.91686E-05	0.00010206
6221	7.62259E-05	7.96958E-05	1.58632E-05	6.5202E-05	0.000105607	7.68396E-05	8.00053E-05	9.83328E-06	6.5202E-05	0.000111495
6222	8.32474E-05	8.70315E-05	1.74188E-05	7.04018E-05	0.000110607	8.36136E-05	8.70392E-05	1.11061E-05	7.04018E-05	0.000116102
6223	8.50454E-05	8.88767E-05	1.83968E-05	7.23074E-05	0.000205691	8.54116E-05	8.887E-05	1.22083E-05	7.23074E-05	0.000205123

6224	8.27586E-05	8.64508E-05	1.85305E-05	7.20266E-05	0.000208412	8.35429E-05	8.69041E-05	1.23983E-05	7.20266E-05	0.000207379
6225	8.35928E-05	8.73206E-05	1.87433E-05	7.22724E-05	0.000209908	8.4208E-05	8.75881E-05	1.2664E-05	7.22724E-05	0.000208989
6226	8.80163E-05	9.1944E-05	1.96905E-05	7.55344E-05	0.000210098	8.84815E-05	9.20265E-05	1.34465E-05	7.55344E-05	0.00020921
6227	9.15013E-05	9.55867E-05	2.04321E-05	7.80635E-05	0.000210854	9.18356E-05	9.55096E-05	1.40701E-05	7.80635E-05	0.000210008
6228	9.21837E-05	9.63062E-05	2.04702E-05	7.86198E-05	0.00019698	9.25489E-05	9.62551E-05	1.4102E-05	7.86198E-05	0.00019725
6229	9.52202E-05	9.94819E-05	2.10848E-05	8.13844E-05	0.000195594	9.56784E-05	9.95146E-05	1.44802E-05	8.13844E-05	0.0001958
6230	9.89163E-05	0.000103346	2.18621E-05	8.5664E-05	0.000192087	9.97986E-05	0.000103818	1.47276E-05	8.5664E-05	0.000192118
6231	0.000104476	0.00010916	2.30079E-05	9.09611E-05	0.00019988	0.000105605	0.000109868	1.53744E-05	9.09611E-05	0.000198503
6232	0.00011299	0.000118065	2.47091E-05	9.77461E-05	0.000192711	0.000114048	0.000118648	1.66662E-05	9.77461E-05	0.000190989
6233	0.000120398	0.0001258	2.64177E-05	0.000104783	0.000187662	0.000121716	0.000126632	1.76603E-05	0.000104783	0.00018568
6234	0.000125084	0.000130685	2.76567E-05	0.00010652	0.000183953	0.000125563	0.000130594	1.90923E-05	0.00010652	0.000181767
6235	0.000131064	0.000136927	2.9071E-05	0.000105747	0.000152449	0.000129478	0.000134577	2.15662E-05	0.000105747	0.000152291
6236	0.000127361	0.000133042	2.85241E-05	0.000100042	0.000121698	0.000124778	0.000129641	2.18418E-05	0.000100042	0.000124254
6237	0.000120203	0.00012559	2.64925E-05	9.07787E-05	0.000102561	0.000116577	0.000121105	2.07262E-05	9.07787E-05	0.000105965
6238	0.000108326	0.000113213	2.32974E-05	7.93057E-05	8.56337E-05	0.000104312	0.000108373	1.83447E-05	7.93057E-05	9.06366E-05
6239	9.36025E-05	9.78333E-05	2.00032E-05	6.93542E-05	8.32533E-05	9.04522E-05	9.39975E-05	1.54103E-05	6.93542E-05	8.81249E-05
6240	8.21329E-05	8.58604E-05	1.7289E-05	6.30119E-05	8.20603E-05	8.01981E-05	8.33889E-05	1.26611E-05	6.30119E-05	8.68562E-05
6241	7.26231E-05	7.59364E-05	1.4987E-05	5.81104E-05	8.21827E-05	7.18384E-05	7.47479E-05	1.02546E-05	5.81104E-05	8.69901E-05
6242	6.71594E-05	7.02289E-05	1.37625E-05	5.52277E-05	8.47737E-05	6.69798E-05	6.9721E-05	8.95743E-06	5.52277E-05	8.96791E-05
6243	6.62574E-05	6.92851E-05	1.35868E-05	5.55164E-05	8.99099E-05	6.64371E-05	6.91712E-05	8.56661E-06	5.55164E-05	9.50438E-05
6244	6.91835E-05	7.23375E-05	1.43172E-05	5.92176E-05	9.7201E-05	6.97711E-05	7.26534E-05	8.76287E-06	5.92176E-05	0.000102677
6245	7.64758E-05	7.99565E-05	1.59267E-05	6.55005E-05	0.000106474	7.71178E-05	8.02956E-05	9.85528E-06	6.55005E-05	0.000112401
6246	8.32691E-05	8.70534E-05	1.74383E-05	7.05132E-05	0.000111796	8.36632E-05	8.70916E-05	1.1096E-05	7.05132E-05	0.000117345
6247	8.63637E-05	9.02699E-05	1.84123E-05	7.22625E-05	0.000207069	8.63869E-05	8.98906E-05	1.22248E-05	7.22625E-05	0.000206567
6248	8.2096E-05	8.57583E-05	1.83885E-05	7.13957E-05	0.000210153	8.28529E-05	8.61853E-05	1.23173E-05	7.13957E-05	0.000209207
6249	8.28722E-05	8.65674E-05	1.85919E-05	7.1605E-05	0.000211828	8.34633E-05	8.68124E-05	1.25732E-05	7.1605E-05	0.000211007
6250	8.80002E-05	9.19271E-05	1.96889E-05	7.55302E-05	0.000211981	8.84681E-05	9.20126E-05	1.3443E-05	7.55302E-05	0.000211194
6251	9.24116E-05	9.65382E-05	2.06257E-05	7.89214E-05	0.000212795	9.27809E-05	9.64942E-05	1.41827E-05	7.89214E-05	0.000212058
6252	9.36306E-05	9.78181E-05	2.07856E-05	8.00296E-05	0.000198975	9.40652E-05	9.78348E-05	1.42743E-05	8.00296E-05	0.000199355
6253	9.71565E-05	0.000101506	2.15004E-05	8.32321E-05	0.000197372	9.76958E-05	0.000101616	1.47163E-05	8.32321E-05	0.000197678
6254	0.000101392	0.000105934	2.23714E-05	8.7891E-05	0.000194069	0.000102338	0.000106462	1.50484E-05	8.7891E-05	0.000194211
6255	0.000107498	0.000112319	2.36279E-05	9.36696E-05	0.000201746	0.000108701	0.000113092	1.57674E-05	9.36696E-05	0.000200474
6256	0.000117112	0.000122376	2.5537E-05	0.000101332	0.000194615	0.000118239	0.000123011	1.72177E-05	0.000101332	0.000192999
6257	0.000124878	0.000130482	2.73887E-05	0.000109115	0.000189652	0.000126401	0.000131513	1.81984E-05	0.000109115	0.000187781
6258	0.00012891	0.000134682	2.8502E-05	0.000110318	0.000185995	0.000129593	0.000134793	1.95381E-05	0.000110318	0.000183914
6259	0.000134392	0.000140406	2.97822E-05	0.000108903	0.000154506	0.000132941	0.000138183	2.1975E-05	0.000108903	0.000154455
6260	0.000130134	0.000135942	2.9094E-05	0.000102534	0.000123672	0.000127621	0.000132602	2.22018E-05	0.000102534	0.00012633
6261	0.000120963	0.000126371	2.69015E-05	9.26742E-05	0.000104115	0.000117728	0.000122299	2.09819E-05	9.26742E-05	0.000107602
6262	0.000109991	0.000114955	2.36309E-05	8.07484E-05	8.67853E-05	0.000106004	0.000110134	1.85684E-05	8.07484E-05	9.1853E-05
6263	9.49748E-05	9.92675E-05	2.02995E-05	7.06738E-05	8.42911E-05	9.18851E-05	9.54903E-05	1.55762E-05	7.06738E-05	8.92219E-05
6264	8.31226E-05	8.68948E-05	1.75032E-05	6.3967E-05	8.28046E-05	8.12326E-05	8.44666E-05	1.27803E-05	6.3967E-05	8.76435E-05
6265	7.26231E-05	7.59364E-05	1.4987E-05	5.81104E-05	8.21827E-05	7.18384E-05	7.47479E-05	1.02546E-05	5.81104E-05	8.69901E-05
6266	6.71594E-05	7.02289E-05	1.37625E-05	5.52277E-05	8.47737E-05	6.69798E-05	6.9721E-05	8.95743E-06	5.52277E-05	8.96791E-05
6267	6.62574E-05	6.92851E-05	1.35868E-05	5.55164E-05	8.99099E-05	6.64371E-05	6.91712E-05	8.56661E-06	5.55164E-05	9.50438E-05
6268	6.91835E-05	7.23375E-05	1.43172E-05	5.92176E-05	9.7201E-05	6.97711E-05	7.26534E-05	8.76287E-06	5.92176E-05	0.000102677
6269	7.64758E-05	7.99565E-05	1.59267E-05	6.55005E-05	0.000106474	7.71178E-05	8.02956E-05	9.85528E-06	6.55005E-05	0.000112401
6270	8.32691E-05	8.70534E-05	1.74383E-05	7.05132E-05	0.000111796	8.36632E-05	8.70916E-05	1.1096E-05	7.05132E-05	0.000117345
6271	8.63637E-05	9.02699E-05	1.84123E-05	7.22625E-05	0.000207069	8.63869E-05	8.98906E-05	1.22248E-05	7.22625E-05	0.000206567
6272	8.2096E-05	8.57583E-05	1.83885E-05	7.13957E-05	0.000210153	8.28529E-05	8.61853E-05	1.23173E-05	7.13957E-05	0.000209207
6273	8.28722E-05	8.65674E-05	1.85919E-05	7.1605E-05	0.000211828	8.34633E-05	8.68124E-05	1.25732E-05	7.1605E-05	0.000211007
6274	8.80002E-05	9.19271E-05	1.96889E-05	7.55302E-05	0.000211981	8.84681E-05	9.20126E-05	1.3443E-05	7.55302E-05	0.000211194
6275	9.24116E-05	9.65382E-05	2.06257E-05	7.89214E-05	0.000212795	9.27809E-05	9.64942E-05	1.41827E-05	7.89214E-05	0.000212058
6276	9.36306E-05	9.78181E-05	2.07856E-05	8.00296E-05	0.000198975	9.40652E-05	9.78348E-05	1.42743E-05	8.00296E-05	0.000199355
6277	9.71565E-05	0.000101506	2.15004E-05	8.32321E-05	0.000197372	9.76958E-05	0.000101616	1.47163E-05	8.32321E-05	0.000197678
6278	0.000101392	0.000105934	2.23714E-05	8.7891E-05	0.000194069	0.000102338	0.000106462	1.50484E-05	8.7891E-05	0.000194211
6279	0.000107498	0.000112319	2.36279E-05	9.36696E-05	0.000201746	0.000108701	0.000113092	1.57674E-05	9.36696E-05	0.000200474
6280	0.000117112	0.000122376	2.5537E-05	0.000101332	0.000194615	0.000118239	0.000123011	1.72177E-05	0.000101332	0.000192999
6281	0.000124878	0.000130482	2.73887E-05	0.000109115	0.000189652	0.000126401	0.000131513	1.81984E-05	0.000109115	0.000187781
6282	0.00012891	0.000134682	2.8502E-05	0.000110318	0.000185995	0.000129593	0.000134793	1.95381E-05	0.000110318	0.000183914
6283	0.000134392	0.000140406	2.97822E-05	0.000108903	0.000154506	0.000132941	0.000138183	2.1975E-05	0.000108903	0.000154455
6284	0.000130134	0.000135942	2.9094E-05	0.000102534	0.000123672	0.000127621	0.000132602	2.22018E-05	0.000102534	0.00012633
6285	0.000120963	0.000126371	2.69015E-05	9.26742E-05	0.000104115	0.000117728	0.000122299	2.09819E-05	9.26742E-05	0.000107602
6286	0.000109991	0.000114955	2.36309E-05	8.07484E-05	8.67853E-05	0.000106004	0.000110134	1.85684E-05	8.07484E-05	9.1853E-05
6287	9.49748E-05	9.92675E-05	2.02995E-05	7.06738E-05	8.42911E-05	9.18851E-05	9.54903E-05	1.55762E-05	7.06738E-05	8.92219E-05
6288	8.31226E-05	8.68948E-05	1.75032E-05	6.3967E-05	8.28046E-05	8.12326E-05	8.44666E-05	1.27803E-05	6.3967E-05	8.76435E-05
6289	7.13688E-05	7.46246E-05	1.47302E-05	5.69897E-05	8.26239E-05	7.0554E-05	7.34106E-05	1.00909E-05	5.69897E-05	8.74397E-05
6290	6.73406E-05	7.04181E-05	1.3804E-05	5.54163E-05	8.43214E-05	6.71733E-05	6.99227E-05	8.9773E-06	5.54163E-05	8.92096E-05
6291	6.6392E-05	6.94261E-05	1.36113E-05	5.56177E-05	8.94794E-05	6.65693E-05	6.93087E-05	8.58685E-06	5.56177E-05	9.45964E-05
6292	6.91666E-05	7.23201E-05	1.43082E-05	5.91686E-05	9.66098E-05	6.97437E-05	7.26246E-05	8.76544E-06	5.91686E-05	0.00010206
6293	7.62259E-05	7.96958E-05	1.58632E-05	6.5202E-05	0.000105607	7.68396E-05	8.00053E-05	9.83328E-06	6.5202E-05	0.000111495
6294	8.32474E-05	8.70315E-05	1.74188E-05	7.04018E-05	0.000110607	8.36136E-05	8.70392E-05	1.11061E-05	7.04018E-05	0.000116102
6295	8.50454E-05	8.88767E-05	1.83968E-05	7.23074E-05	0.000205691	8.54116E-05	8.887E-05	1.22083E-05	7.23074E-05	0.000205123
6296	8.27586E-05	8.64508E-05	1.85305E-05	7.20266E-05	0.000208412	8.35429E-05	8.69041E-05	1.23983E-05	7.20266E-05	0.000207379
6297	8.35928E-05	8.73206E-05	1.87433E-05	7.22724E-05	0.000209908	8.4208E-05	8.75881E-05	1.2664E-05	7.22724E-05	0.000208989
6298	8.80163E-05	9.1944E-05	1.96905E-05	7.55344E-05	0.000210098	8.84815E-05	9.20265E-05	1.34465E-05	7.55344E-05	0.00020921
6299	9.15013E-05	9.55867E-05	2.04321E-05	7.80635E-05	0.000210854	9.18356E-05	9.55096E-05	1.40701E-05	7.80635E-05	0.000210008

6300	9.21837E-05	9.63062E-05	2.04702E-05	7.86198E-05	0.00019698	9.25489E-05	9.62551E-05	1.4102E-05	7.86198E-05	0.00019725
6301	9.52202E-05	9.94819E-05	2.10848E-05	8.13844E-05	0.000195594	9.56784E-05	9.95146E-05	1.44802E-05	8.13844E-05	0.0001958
6302	9.89163E-05	0.000103346	2.18621E-05	8.5664E-05	0.000192087	9.97986E-05	0.000103818	1.47276E-05	8.5664E-05	0.000192118
6303	0.000104476	0.00010916	2.30079E-05	9.09611E-05	0.00019988	0.000105605	0.000109868	1.53744E-05	9.09611E-05	0.000198503
6304	0.00011299	0.000118065	2.47091E-05	9.77461E-05	0.000192711	0.000114048	0.000118648	1.66662E-05	9.77461E-05	0.000190989
6305	0.000120398	0.0001258	2.64177E-05	0.000104783	0.000187662	0.000121716	0.000126632	1.76603E-05	0.000104783	0.00018568
6306	0.000125084	0.000130685	2.76567E-05	0.00010652	0.000183953	0.000125563	0.000130594	1.90923E-05	0.00010652	0.000181767
6307	0.000131064	0.000136927	2.9071E-05	0.000105747	0.000152449	0.000129478	0.000134577	2.15662E-05	0.000105747	0.000152291
6308	0.000127361	0.000133042	2.85241E-05	0.000100042	0.000121698	0.000124778	0.000129641	2.18418E-05	0.000100042	0.000124254
6309	0.000120203	0.00012559	2.64925E-05	9.07787E-05	0.000102561	0.000116577	0.000121105	2.07262E-05	9.07787E-05	0.000105965
6310	0.000108326	0.000113213	2.32974E-05	7.93057E-05	8.56337E-05	0.000104312	0.000108373	1.83447E-05	7.93057E-05	9.06366E-05
6311	9.36025E-05	9.78333E-05	2.00032E-05	6.93542E-05	8.32533E-05	9.04522E-05	9.39975E-05	1.54103E-05	6.93542E-05	8.81249E-05
6312	8.21329E-05	8.58604E-05	1.7289E-05	6.30119E-05	8.20603E-05	8.01981E-05	8.33889E-05	1.26611E-05	6.30119E-05	8.68562E-05
6313	7.13688E-05	7.46246E-05	1.47302E-05	5.69897E-05	8.26239E-05	7.0554E-05	7.34106E-05	1.00909E-05	5.69897E-05	8.74397E-05
6314	6.73406E-05	7.04181E-05	1.3804E-05	5.54163E-05	8.43214E-05	6.71733E-05	6.99227E-05	8.9773E-06	5.54163E-05	8.92096E-05
6315	6.6392E-05	6.94261E-05	1.36113E-05	5.56177E-05	8.94794E-05	6.65693E-05	6.93087E-05	8.58685E-06	5.56177E-05	9.45964E-05
6316	6.91666E-05	7.23201E-05	1.43082E-05	5.91686E-05	9.66098E-05	6.97437E-05	7.26246E-05	8.76544E-06	5.91686E-05	0.00010206
6317	7.62259E-05	7.96958E-05	1.58632E-05	6.5202E-05	0.000105607	7.68396E-05	8.00053E-05	9.83328E-06	6.5202E-05	0.000111495
6318	8.32474E-05	8.70315E-05	1.74188E-05	7.04018E-05	0.000110607	8.36136E-05	8.70392E-05	1.11061E-05	7.04018E-05	0.000116102
6319	8.50454E-05	8.88767E-05	1.83968E-05	7.23074E-05	0.000205691	8.54116E-05	8.887E-05	1.22083E-05	7.23074E-05	0.000205123
6320	8.27586E-05	8.64508E-05	1.85305E-05	7.20266E-05	0.000208412	8.35429E-05	8.69041E-05	1.23983E-05	7.20266E-05	0.000207379
6321	8.35928E-05	8.73206E-05	1.87433E-05	7.22724E-05	0.000209908	8.4208E-05	8.75881E-05	1.2664E-05	7.22724E-05	0.000208989
6322	8.80163E-05	9.1944E-05	1.96905E-05	7.55344E-05	0.000210098	8.84815E-05	9.20265E-05	1.34465E-05	7.55344E-05	0.00020921
6323	9.15013E-05	9.55867E-05	2.04321E-05	7.80635E-05	0.000210854	9.18356E-05	9.55096E-05	1.40701E-05	7.80635E-05	0.000210008
6324	9.21837E-05	9.63062E-05	2.04702E-05	7.86198E-05	0.00019698	9.25489E-05	9.62551E-05	1.4102E-05	7.86198E-05	0.00019725
6325	9.52202E-05	9.94819E-05	2.10848E-05	8.13844E-05	0.000195594	9.56784E-05	9.95146E-05	1.44802E-05	8.13844E-05	0.0001958
6326	9.89163E-05	0.000103346	2.18621E-05	8.5664E-05	0.000192087	9.97986E-05	0.000103818	1.47276E-05	8.5664E-05	0.000192118
6327	0.000104476	0.00010916	2.30079E-05	9.09611E-05	0.00019988	0.000105605	0.000109868	1.53744E-05	9.09611E-05	0.000198503
6328	0.00011299	0.000118065	2.47091E-05	9.77461E-05	0.000192711	0.000114048	0.000118648	1.66662E-05	9.77461E-05	0.000190989
6329	0.000120398	0.0001258	2.64177E-05	0.000104783	0.000187662	0.000121716	0.000126632	1.76603E-05	0.000104783	0.00018568
6330	0.000125084	0.000130685	2.76567E-05	0.00010652	0.000183953	0.000125563	0.000130594	1.90923E-05	0.00010652	0.000181767
6331	0.000131064	0.000136927	2.9071E-05	0.000105747	0.000152449	0.000129478	0.000134577	2.15662E-05	0.000105747	0.000152291
6332	0.000127361	0.000133042	2.85241E-05	0.000100042	0.000121698	0.000124778	0.000129641	2.18418E-05	0.000100042	0.000124254
6333	0.000120203	0.00012559	2.64925E-05	9.07787E-05	0.000102561	0.000116577	0.000121105	2.07262E-05	9.07787E-05	0.000105965
6334	0.000108326	0.000113213	2.32974E-05	7.93057E-05	8.56337E-05	0.000104312	0.000108373	1.83447E-05	7.93057E-05	9.06366E-05
6335	9.36025E-05	9.78333E-05	2.00032E-05	6.93542E-05	8.32533E-05	9.04522E-05	9.39975E-05	1.54103E-05	6.93542E-05	8.81249E-05
6336	8.21329E-05	8.58604E-05	1.7289E-05	6.30119E-05	8.20603E-05	8.01981E-05	8.33889E-05	1.26611E-05	6.30119E-05	8.68562E-05
6337	7.13688E-05	7.46246E-05	1.47302E-05	5.69897E-05	8.26239E-05	7.0554E-05	7.34106E-05	1.00909E-05	5.69897E-05	8.74397E-05
6338	6.73406E-05	7.04181E-05	1.3804E-05	5.54163E-05	8.43214E-05	6.71733E-05	6.99227E-05	8.9773E-06	5.54163E-05	8.92096E-05
6339	6.6392E-05	6.94261E-05	1.36113E-05	5.56177E-05	8.94794E-05	6.65693E-05	6.93087E-05	8.58685E-06	5.56177E-05	9.45964E-05
6340	6.91666E-05	7.23201E-05	1.43082E-05	5.91686E-05	9.66098E-05	6.97437E-05	7.26246E-05	8.76544E-06	5.91686E-05	0.00010206
6341	7.62259E-05	7.96958E-05	1.58632E-05	6.5202E-05	0.000105607	7.68396E-05	8.00053E-05	9.83328E-06	6.5202E-05	0.000111495
6342	8.32474E-05	8.70315E-05	1.74188E-05	7.04018E-05	0.000110607	8.36136E-05	8.70392E-05	1.11061E-05	7.04018E-05	0.000116102
6343	8.50454E-05	8.88767E-05	1.83968E-05	7.23074E-05	0.000205691	8.54116E-05	8.887E-05	1.22083E-05	7.23074E-05	0.000205123
6344	8.27586E-05	8.64508E-05	1.85305E-05	7.20266E-05	0.000208412	8.35429E-05	8.69041E-05	1.23983E-05	7.20266E-05	0.000207379
6345	8.35928E-05	8.73206E-05	1.87433E-05	7.22724E-05	0.000209908	8.4208E-05	8.75881E-05	1.2664E-05	7.22724E-05	0.000208989
6346	8.80163E-05	9.1944E-05	1.96905E-05	7.55344E-05	0.000210098	8.84815E-05	9.20265E-05	1.34465E-05	7.55344E-05	0.00020921
6347	9.15013E-05	9.55867E-05	2.04321E-05	7.80635E-05	0.000210854	9.18356E-05	9.55096E-05	1.40701E-05	7.80635E-05	0.000210008
6348	9.21837E-05	9.63062E-05	2.04702E-05	7.86198E-05	0.00019698	9.25489E-05	9.62551E-05	1.4102E-05	7.86198E-05	0.00019725
6349	9.52202E-05	9.94819E-05	2.10848E-05	8.13844E-05	0.000195594	9.56784E-05	9.95146E-05	1.44802E-05	8.13844E-05	0.0001958
6350	9.89163E-05	0.000103346	2.18621E-05	8.5664E-05	0.000192087	9.97986E-05	0.000103818	1.47276E-05	8.5664E-05	0.000192118
6351	0.000104476	0.00010916	2.30079E-05	9.09611E-05	0.00019988	0.000105605	0.000109868	1.53744E-05	9.09611E-05	0.000198503
6352	0.00011299	0.000118065	2.47091E-05	9.77461E-05	0.000192711	0.000114048	0.000118648	1.66662E-05	9.77461E-05	0.000190989
6353	0.000120398	0.0001258	2.64177E-05	0.000104783	0.000187662	0.000121716	0.000126632	1.76603E-05	0.000104783	0.00018568
6354	0.000125084	0.000130685	2.76567E-05	0.00010652	0.000183953	0.000125563	0.000130594	1.90923E-05	0.00010652	0.000181767
6355	0.000131064	0.000136927	2.9071E-05	0.000105747	0.000152449	0.000129478	0.000134577	2.15662E-05	0.000105747	0.000152291
6356	0.000127361	0.000133042	2.85241E-05	0.000100042	0.000121698	0.000124778	0.000129641	2.18418E-05	0.000100042	0.000124254
6357	0.000120203	0.00012559	2.64925E-05	9.07787E-05	0.000102561	0.000116577	0.000121105	2.07262E-05	9.07787E-05	0.000105965
6358	0.000108326	0.000113213	2.32974E-05	7.93057E-05	8.56337E-05	0.000104312	0.000108373	1.83447E-05	7.93057E-05	9.06366E-05
6359	9.36025E-05	9.78333E-05	2.00032E-05	6.93542E-05	8.32533E-05	9.04522E-05	9.39975E-05	1.54103E-05	6.93542E-05	8.81249E-05
6360	8.21329E-05	8.58604E-05	1.7289E-05	6.30119E-05	8.20603E-05	8.01981E-05	8.33889E-05	1.26611E-05	6.30119E-05	8.68562E-05
6361	7.13688E-05	7.46246E-05	1.47302E-05	5.69897E-05	8.26239E-05	7.0554E-05	7.34106E-05	1.00909E-05	5.69897E-05	8.74397E-05
6362	6.73406E-05	7.04181E-05	1.3804E-05	5.54163E-05	8.43214E-05	6.71733E-05	6.99227E-05	8.9773E-06	5.54163E-05	8.92096E-05
6363	6.6392E-05	6.94261E-05	1.36113E-05	5.56177E-05	8.94794E-05	6.65693E-05	6.93087E-05	8.58685E-06	5.56177E-05	9.45964E-05
6364	6.91666E-05	7.23201E-05	1.43082E-05	5.91686E-05	9.66098E-05	6.97437E-05	7.26246E-05	8.76544E-06	5.91686E-05	0.00010206
6365	7.62259E-05	7.96958E-05	1.58632E-05	6.5202E-05	0.000105607	7.68396E-05	8.00053E-05	9.83328E-06	6.5202E-05	0.000111495
6366	8.32474E-05	8.70315E-05	1.74188E-05	7.04018E-05	0.000110607	8.36136E-05	8.70392E-05	1.11061E-05	7.04018E-05	0.000116102
6367	8.50454E-05	8.88767E-05	1.83968E-05	7.23074E-05	0.000205691	8.54116E-05	8.887E-05	1.22083E-05	7.23074E-05	0.000205123
6368	8.27586E-05	8.64508E-05	1.85305E-05	7.20266E-05	0.000208412	8.35429E-05	8.69041E-05	1.23983E-05	7.20266E-05	0.000207379
6369	8.35928E-05	8.73206E-05	1.87433E-05	7.22724E-05	0.000209908	8.4208E-05	8.75881E-05	1.2664E-05	7.22724E-05	0.000208989
6370	8.80163E-05	9.1944E-05	1.96905E-05	7.55344E-05	0.000210098	8.84815E-05	9.20265E-05	1.34465E-05	7.55344E-05	0.00020921
6371	9.15013E-05	9.55867E-05	2.04321E-05	7.80635E-05	0.000210854	9.18356E-05	9.55096E-05	1.40701E-05	7.80635E-05	0.000210008
6372	9.21837E-05	9.63062E-05	2.04702E-05	7.86198E-05	0.00019698	9.25489E-05	9.62551E-05	1.4102E-05	7.86198E-05	0.00019725
6373	9.52202E-05	9.94819E-05	2.10848E-05	8.13844E-05	0.000195594	9.56784E-05	9.95146E-05	1.44802E-05	8.13844E-05	0.0001958
6374	9.89163E-05	0.000103346	2.18621E-05	8.5664E-05	0.000192087	9.97986E-05	0.000103818	1.47276E-05	8.5664E-05	0.000192118
6375	0.000104476	0.00010916	2.30079E-05	9.09611E-05	0.00019988	0.000105605	0.000109868	1.53744E-05	9.09611E-05	0.000198503

6376	0.00011299	0.000118065	2.47091E-05	9.77461E-05	0.000192711	0.000114048	0.000118648	1.66662E-05	9.77461E-05	0.000190989
6377	0.000120398	0.0001258	2.64177E-05	0.000104783	0.000187662	0.000121716	0.000126632	1.76603E-05	0.000104783	0.00018568
6378	0.000125084	0.000130685	2.76567E-05	0.00010652	0.000183953	0.000125563	0.000130594	1.90923E-05	0.00010652	0.000181767
6379	0.000131064	0.000136927	2.9071E-05	0.000105747	0.000152449	0.000129478	0.000134577	2.15662E-05	0.000105747	0.000152291
6380	0.000127361	0.000133042	2.85241E-05	0.000100042	0.000121698	0.000124778	0.000129641	2.18418E-05	0.000100042	0.000124254
6381	0.000120203	0.00012559	2.64925E-05	9.07787E-05	0.000102561	0.000116577	0.000121105	2.07262E-05	9.07787E-05	0.000105965
6382	0.000108326	0.000113213	2.32974E-05	7.93057E-05	8.56337E-05	0.000104312	0.000108373	1.83447E-05	7.93057E-05	9.06366E-05
6383	9.36025E-05	9.78333E-05	2.00032E-05	6.93542E-05	8.32533E-05	9.04522E-05	9.39975E-05	1.54103E-05	6.93542E-05	8.81249E-05
6384	8.21329E-05	8.58604E-05	1.7289E-05	6.30119E-05	8.20603E-05	8.01981E-05	8.33889E-05	1.26611E-05	6.30119E-05	8.68562E-05
6385	7.13688E-05	7.46246E-05	1.47302E-05	5.69897E-05	8.26239E-05	7.0554E-05	7.34106E-05	1.00909E-05	5.69897E-05	8.74397E-05
6386	6.73406E-05	7.04181E-05	1.3804E-05	5.54163E-05	8.43214E-05	6.71733E-05	6.99227E-05	8.9773E-06	5.54163E-05	8.92096E-05
6387	6.6392E-05	6.94261E-05	1.36113E-05	5.56177E-05	8.94794E-05	6.65693E-05	6.93087E-05	8.58685E-06	5.56177E-05	9.45964E-05
6388	6.91666E-05	7.23201E-05	1.43082E-05	5.91686E-05	9.66098E-05	6.97437E-05	7.26246E-05	8.76544E-06	5.91686E-05	0.00010206
6389	7.62259E-05	7.96958E-05	1.58632E-05	6.5202E-05	0.000105607	7.68396E-05	8.00053E-05	9.83328E-06	6.5202E-05	0.000111495
6390	8.32474E-05	8.70315E-05	1.74188E-05	7.04018E-05	0.000110607	8.36136E-05	8.70392E-05	1.11061E-05	7.04018E-05	0.000116102
6391	8.50454E-05	8.88767E-05	1.83968E-05	7.23074E-05	0.000205691	8.54116E-05	8.887E-05	1.22083E-05	7.23074E-05	0.000205123
6392	8.27586E-05	8.64508E-05	1.85305E-05	7.20266E-05	0.000208412	8.35429E-05	8.69041E-05	1.23983E-05	7.20266E-05	0.000207379
6393	8.35928E-05	8.73206E-05	1.87433E-05	7.22724E-05	0.000209908	8.4208E-05	8.75881E-05	1.2664E-05	7.22724E-05	0.000208989
6394	8.80163E-05	9.1944E-05	1.96905E-05	7.55344E-05	0.000210098	8.84815E-05	9.20265E-05	1.34465E-05	7.55344E-05	0.00020921
6395	9.15013E-05	9.55867E-05	2.04321E-05	7.80635E-05	0.000210854	9.18356E-05	9.55096E-05	1.40701E-05	7.80635E-05	0.000210008
6396	9.21837E-05	9.63062E-05	2.04702E-05	7.86198E-05	0.00019698	9.25489E-05	9.62551E-05	1.4102E-05	7.86198E-05	0.00019725
6397	9.52202E-05	9.94819E-05	2.10848E-05	8.13844E-05	0.000195594	9.56784E-05	9.95146E-05	1.44802E-05	8.13844E-05	0.0001958
6398	9.89163E-05	0.000103346	2.18621E-05	8.5664E-05	0.000192087	9.97986E-05	0.000103818	1.47276E-05	8.5664E-05	0.000192118
6399	0.000104476	0.00010916	2.30079E-05	9.09611E-05	0.00019988	0.000105605	0.000109868	1.53744E-05	9.09611E-05	0.000198503
6400	0.00011299	0.000118065	2.47091E-05	9.77461E-05	0.000192711	0.000114048	0.000118648	1.66662E-05	9.77461E-05	0.000190989
6401	0.000120398	0.0001258	2.64177E-05	0.000104783	0.000187662	0.000121716	0.000126632	1.76603E-05	0.000104783	0.00018568
6402	0.000125084	0.000130685	2.76567E-05	0.00010652	0.000183953	0.000125563	0.000130594	1.90923E-05	0.00010652	0.000181767
6403	0.000131064	0.000136927	2.9071E-05	0.000105747	0.000152449	0.000129478	0.000134577	2.15662E-05	0.000105747	0.000152291
6404	0.000127361	0.000133042	2.85241E-05	0.000100042	0.000121698	0.000124778	0.000129641	2.18418E-05	0.000100042	0.000124254
6405	0.000120203	0.00012559	2.64925E-05	9.07787E-05	0.000102561	0.000116577	0.000121105	2.07262E-05	9.07787E-05	0.000105965
6406	0.000108326	0.000113213	2.32974E-05	7.93057E-05	8.56337E-05	0.000104312	0.000108373	1.83447E-05	7.93057E-05	9.06366E-05
6407	9.36025E-05	9.78333E-05	2.00032E-05	6.93542E-05	8.32533E-05	9.04522E-05	9.39975E-05	1.54103E-05	6.93542E-05	8.81249E-05
6408	8.21329E-05	8.58604E-05	1.7289E-05	6.30119E-05	8.20603E-05	8.01981E-05	8.33889E-05	1.26611E-05	6.30119E-05	8.68562E-05
6409	7.26231E-05	7.59364E-05	1.4987E-05	5.81104E-05	8.21827E-05	7.18384E-05	7.47479E-05	1.02546E-05	5.81104E-05	8.69901E-05
6410	6.71594E-05	7.02289E-05	1.37625E-05	5.52277E-05	8.47737E-05	6.69798E-05	6.9721E-05	8.95743E-06	5.52277E-05	8.96791E-05
6411	6.62574E-05	6.92851E-05	1.35868E-05	5.55164E-05	8.99099E-05	6.64371E-05	6.91712E-05	8.56661E-06	5.55164E-05	9.50438E-05
6412	6.91835E-05	7.23375E-05	1.43172E-05	5.92176E-05	9.7201E-05	6.97711E-05	7.26534E-05	8.76287E-06	5.92176E-05	0.000102677
6413	7.64758E-05	7.99565E-05	1.59267E-05	6.55005E-05	0.000106474	7.71178E-05	8.02956E-05	9.85528E-06	6.55005E-05	0.000112401
6414	8.32691E-05	8.70534E-05	1.74383E-05	7.05132E-05	0.000111796	8.36632E-05	8.70916E-05	1.1096E-05	7.05132E-05	0.000117345
6415	8.63637E-05	9.02699E-05	1.84123E-05	7.22625E-05	0.000207069	8.63869E-05	8.98906E-05	1.22248E-05	7.22625E-05	0.000206567
6416	8.2096E-05	8.57583E-05	1.83885E-05	7.13957E-05	0.000210153	8.28529E-05	8.61853E-05	1.23173E-05	7.13957E-05	0.000209207
6417	8.28722E-05	8.65674E-05	1.85919E-05	7.1605E-05	0.000211828	8.34633E-05	8.68124E-05	1.25732E-05	7.1605E-05	0.000211007
6418	8.80002E-05	9.19271E-05	1.96889E-05	7.55302E-05	0.000211981	8.84681E-05	9.20126E-05	1.3443E-05	7.55302E-05	0.000211194
6419	9.24116E-05	9.65382E-05	2.06257E-05	7.89214E-05	0.000212795	9.27809E-05	9.64942E-05	1.41827E-05	7.89214E-05	0.000212058
6420	9.36306E-05	9.78181E-05	2.07856E-05	8.00296E-05	0.000198975	9.40652E-05	9.78348E-05	1.42743E-05	8.00296E-05	0.000199355
6421	9.71565E-05	0.000101506	2.15004E-05	8.32321E-05	0.000197372	9.76958E-05	0.000101616	1.47163E-05	8.32321E-05	0.000197678
6422	0.000101392	0.000105934	2.23714E-05	8.7891E-05	0.000194069	0.000102338	0.000106462	1.50484E-05	8.7891E-05	0.000194211
6423	0.000107498	0.000112319	2.36279E-05	9.36696E-05	0.000201746	0.000108701	0.000113092	1.57674E-05	9.36696E-05	0.000200474
6424	0.000117112	0.000122376	2.5537E-05	0.000101332	0.000194615	0.000118239	0.000123011	1.72177E-05	0.000101332	0.000192999
6425	0.000124878	0.000130482	2.73887E-05	0.000109115	0.000189652	0.000126401	0.000131513	1.81984E-05	0.000109115	0.000187781
6426	0.00012891	0.000134682	2.8502E-05	0.000110318	0.000185995	0.000129593	0.000134793	1.95381E-05	0.000110318	0.000183914
6427	0.000134392	0.000140406	2.97822E-05	0.000108903	0.000154506	0.000132941	0.000138183	2.1975E-05	0.000108903	0.000154455
6428	0.000130134	0.000135942	2.9094E-05	0.000102534	0.000123672	0.000127621	0.000132602	2.22018E-05	0.000102534	0.00012633
6429	0.000120963	0.000126371	2.69015E-05	9.26742E-05	0.000104115	0.000117728	0.000122299	2.09819E-05	9.26742E-05	0.000107602
6430	0.000109991	0.000114955	2.36309E-05	8.07484E-05	8.67853E-05	0.000106004	0.000110134	1.85684E-05	8.07484E-05	9.1853E-05
6431	9.49748E-05	9.92675E-05	2.02995E-05	7.06738E-05	8.42911E-05	9.18851E-05	9.54903E-05	1.55762E-05	7.06738E-05	8.92219E-05
6432	8.31226E-05	8.68948E-05	1.75032E-05	6.3967E-05	8.28046E-05	8.12326E-05	8.44666E-05	1.27803E-05	6.3967E-05	8.76435E-05
6433	7.26231E-05	7.59364E-05	1.4987E-05	5.81104E-05	8.21827E-05	7.18384E-05	7.47479E-05	1.02546E-05	5.81104E-05	8.69901E-05
6434	6.71594E-05	7.02289E-05	1.37625E-05	5.52277E-05	8.47737E-05	6.69798E-05	6.9721E-05	8.95743E-06	5.52277E-05	8.96791E-05
6435	6.62574E-05	6.92851E-05	1.35868E-05	5.55164E-05	8.99099E-05	6.64371E-05	6.91712E-05	8.56661E-06	5.55164E-05	9.50438E-05
6436	6.91835E-05	7.23375E-05	1.43172E-05	5.92176E-05	9.7201E-05	6.97711E-05	7.26534E-05	8.76287E-06	5.92176E-05	0.000102677
6437	7.64758E-05	7.99565E-05	1.59267E-05	6.55005E-05	0.000106474	7.71178E-05	8.02956E-05	9.85528E-06	6.55005E-05	0.000112401
6438	8.32691E-05	8.70534E-05	1.74383E-05	7.05132E-05	0.000111796	8.36632E-05	8.70916E-05	1.1096E-05	7.05132E-05	0.000117345
6439	8.63637E-05	9.02699E-05	1.84123E-05	7.22625E-05	0.000207069	8.63869E-05	8.98906E-05	1.22248E-05	7.22625E-05	0.000206567
6440	8.2096E-05	8.57583E-05	1.83885E-05	7.13957E-05	0.000210153	8.28529E-05	8.61853E-05	1.23173E-05	7.13957E-05	0.000209207
6441	8.28722E-05	8.65674E-05	1.85919E-05	7.1605E-05	0.000211828	8.34633E-05	8.68124E-05	1.25732E-05	7.1605E-05	0.000211007
6442	8.80002E-05	9.19271E-05	1.96889E-05	7.55302E-05	0.000211981	8.84681E-05	9.20126E-05	1.3443E-05	7.55302E-05	0.000211194
6443	9.24116E-05	9.65382E-05	2.06257E-05	7.89214E-05	0.000212795	9.27809E-05	9.64942E-05	1.41827E-05	7.89214E-05	0.000212058
6444	9.36306E-05	9.78181E-05	2.07856E-05	8.00296E-05	0.000198975	9.40652E-05	9.78348E-05	1.42743E-05	8.00296E-05	0.000199355
6445	9.71565E-05	0.000101506	2.15004E-05	8.32321E-05	0.000197372	9.76958E-05	0.000101616	1.47163E-05	8.32321E-05	0.000197678
6446	0.000101392	0.000105934	2.23714E-05	8.7891E-05	0.000194069	0.000102338	0.000106462	1.50484E-05	8.7891E-05	0.000194211
6447	0.000107498	0.000112319	2.36279E-05	9.36696E-05	0.000201746	0.000108701	0.000113092	1.57674E-05	9.36696E-05	0.000200474
6448	0.000117112	0.000122376	2.5537E-05	0.000101332	0.000194615	0.000118239	0.000123011	1.72177E-05	0.000101332	0.000192999
6449	0.000124878	0.000130482	2.73887E-05	0.000109115	0.000189652	0.000126401	0.000131513	1.81984E-05	0.000109115	0.000187781
6450	0.00012891	0.000134682	2.8502E-05	0.000110318	0.000185995	0.000129593	0.000134793	1.95381E-05	0.000110318	0.000183914
6451	0.000134392	0.000140406	2.97822E-05	0.000108903	0.000154506	0.000132941	0.000138183	2.1975E-05	0.000108903	0.000154455

6452	0.000130134	0.000135942	2.9094E-05	0.000102534	0.000123672	0.000127621	0.000132602	2.22018E-05	0.000102534	0.00012633
6453	0.000120963	0.000126371	2.69015E-05	9.26742E-05	0.000104115	0.000117728	0.000122299	2.09819E-05	9.26742E-05	0.000107602
6454	0.000109991	0.000114955	2.36309E-05	8.07484E-05	8.67853E-05	0.000106004	0.000110134	1.85684E-05	8.07484E-05	9.1853E-05
6455	9.49748E-05	9.92675E-05	2.02995E-05	7.06738E-05	8.42911E-05	9.18851E-05	9.54903E-05	1.55762E-05	7.06738E-05	8.92219E-05
6456	8.31226E-05	8.68948E-05	1.75032E-05	6.3967E-05	8.28046E-05	8.12326E-05	8.44666E-05	1.27803E-05	6.3967E-05	8.76435E-05
6457	7.13688E-05	7.46246E-05	1.47302E-05	5.69897E-05	8.26239E-05	7.0554E-05	7.34106E-05	1.00909E-05	5.69897E-05	8.74397E-05
6458	6.73406E-05	7.04181E-05	1.3804E-05	5.54163E-05	8.43214E-05	6.71733E-05	6.99227E-05	8.9773E-06	5.54163E-05	8.92096E-05
6459	6.6392E-05	6.94261E-05	1.36113E-05	5.56177E-05	8.94794E-05	6.65693E-05	6.93087E-05	8.58685E-06	5.56177E-05	9.45964E-05
6460	6.91666E-05	7.23201E-05	1.43082E-05	5.91686E-05	9.66098E-05	6.97437E-05	7.26246E-05	8.76544E-06	5.91686E-05	0.00010206
6461	7.62259E-05	7.96958E-05	1.58632E-05	6.5202E-05	0.000105607	7.68396E-05	8.00053E-05	9.83328E-06	6.5202E-05	0.000111495
6462	8.32474E-05	8.70315E-05	1.74188E-05	7.04018E-05	0.000110607	8.36136E-05	8.70392E-05	1.11061E-05	7.04018E-05	0.000116102
6463	8.50454E-05	8.88767E-05	1.83968E-05	7.23074E-05	0.000205691	8.54116E-05	8.887E-05	1.22083E-05	7.23074E-05	0.000205123
6464	8.27586E-05	8.64508E-05	1.85305E-05	7.20266E-05	0.000208412	8.35429E-05	8.69041E-05	1.23983E-05	7.20266E-05	0.000207379
6465	8.35928E-05	8.73206E-05	1.87433E-05	7.22724E-05	0.000209908	8.4208E-05	8.75881E-05	1.2664E-05	7.22724E-05	0.000208989
6466	8.80163E-05	9.1944E-05	1.96905E-05	7.55344E-05	0.000210098	8.84815E-05	9.20265E-05	1.34465E-05	7.55344E-05	0.00020921
6467	9.15013E-05	9.55867E-05	2.04321E-05	7.80635E-05	0.000210854	9.18356E-05	9.55096E-05	1.40701E-05	7.80635E-05	0.000210008
6468	9.21837E-05	9.63062E-05	2.04702E-05	7.86198E-05	0.00019698	9.25489E-05	9.62551E-05	1.4102E-05	7.86198E-05	0.00019725
6469	9.52202E-05	9.94819E-05	2.10848E-05	8.13844E-05	0.000195594	9.56784E-05	9.95146E-05	1.44802E-05	8.13844E-05	0.0001958
6470	9.89163E-05	0.000103346	2.18621E-05	8.5664E-05	0.000192087	9.97986E-05	0.000103818	1.47276E-05	8.5664E-05	0.000192118
6471	0.000104476	0.00010916	2.30079E-05	9.09611E-05	0.00019988	0.000105605	0.000109868	1.53744E-05	9.09611E-05	0.000198503
6472	0.00011299	0.000118065	2.47091E-05	9.77461E-05	0.000192711	0.000114048	0.000118648	1.66662E-05	9.77461E-05	0.000190989
6473	0.000120398	0.0001258	2.64177E-05	0.000104783	0.000187662	0.000121716	0.000126632	1.76603E-05	0.000104783	0.00018568
6474	0.000125084	0.000130685	2.76567E-05	0.00010652	0.000183953	0.000125563	0.000130594	1.90923E-05	0.00010652	0.000181767
6475	0.000131064	0.000136927	2.9071E-05	0.000105747	0.000152449	0.000129478	0.000134577	2.15662E-05	0.000105747	0.000152291
6476	0.000127361	0.000133042	2.85241E-05	0.000100042	0.000121698	0.000124778	0.000129641	2.18418E-05	0.000100042	0.000124254
6477	0.000120203	0.00012559	2.64925E-05	9.07787E-05	0.000102561	0.000116577	0.000121105	2.07262E-05	9.07787E-05	0.000105965
6478	0.000108326	0.000113213	2.32974E-05	7.93057E-05	8.56337E-05	0.000104312	0.000108373	1.83447E-05	7.93057E-05	9.06366E-05
6479	9.36025E-05	9.78333E-05	2.00032E-05	6.93542E-05	8.32533E-05	9.04522E-05	9.39975E-05	1.54103E-05	6.93542E-05	8.81249E-05
6480	8.21329E-05	8.58604E-05	1.7289E-05	6.30119E-05	8.20603E-05	8.01981E-05	8.33889E-05	1.26611E-05	6.30119E-05	8.68562E-05
6481	7.13688E-05	7.46246E-05	1.47302E-05	5.69897E-05	8.26239E-05	7.0554E-05	7.34106E-05	1.00909E-05	5.69897E-05	8.74397E-05
6482	6.73406E-05	7.04181E-05	1.3804E-05	5.54163E-05	8.43214E-05	6.71733E-05	6.99227E-05	8.9773E-06	5.54163E-05	8.92096E-05
6483	6.6392E-05	6.94261E-05	1.36113E-05	5.56177E-05	8.94794E-05	6.65693E-05	6.93087E-05	8.58685E-06	5.56177E-05	9.45964E-05
6484	6.91666E-05	7.23201E-05	1.43082E-05	5.91686E-05	9.66098E-05	6.97437E-05	7.26246E-05	8.76544E-06	5.91686E-05	0.00010206
6485	7.62259E-05	7.96958E-05	1.58632E-05	6.5202E-05	0.000105607	7.68396E-05	8.00053E-05	9.83328E-06	6.5202E-05	0.000111495
6486	8.32474E-05	8.70315E-05	1.74188E-05	7.04018E-05	0.000110607	8.36136E-05	8.70392E-05	1.11061E-05	7.04018E-05	0.000116102
6487	8.50454E-05	8.88767E-05	1.83968E-05	7.23074E-05	0.000205691	8.54116E-05	8.887E-05	1.22083E-05	7.23074E-05	0.000205123
6488	8.27586E-05	8.64508E-05	1.85305E-05	7.20266E-05	0.000208412	8.35429E-05	8.69041E-05	1.23983E-05	7.20266E-05	0.000207379
6489	8.35928E-05	8.73206E-05	1.87433E-05	7.22724E-05	0.000209908	8.4208E-05	8.75881E-05	1.2664E-05	7.22724E-05	0.000208989
6490	8.80163E-05	9.1944E-05	1.96905E-05	7.55344E-05	0.000210098	8.84815E-05	9.20265E-05	1.34465E-05	7.55344E-05	0.00020921
6491	9.15013E-05	9.55867E-05	2.04321E-05	7.80635E-05	0.000210854	9.18356E-05	9.55096E-05	1.40701E-05	7.80635E-05	0.000210008
6492	9.21837E-05	9.63062E-05	2.04702E-05	7.86198E-05	0.00019698	9.25489E-05	9.62551E-05	1.4102E-05	7.86198E-05	0.00019725
6493	9.52202E-05	9.94819E-05	2.10848E-05	8.13844E-05	0.000195594	9.56784E-05	9.95146E-05	1.44802E-05	8.13844E-05	0.0001958
6494	9.89163E-05	0.000103346	2.18621E-05	8.5664E-05	0.000192087	9.97986E-05	0.000103818	1.47276E-05	8.5664E-05	0.000192118
6495	0.000104476	0.00010916	2.30079E-05	9.09611E-05	0.00019988	0.000105605	0.000109868	1.53744E-05	9.09611E-05	0.000198503
6496	0.00011299	0.000118065	2.47091E-05	9.77461E-05	0.000192711	0.000114048	0.000118648	1.66662E-05	9.77461E-05	0.000190989
6497	0.000120398	0.0001258	2.64177E-05	0.000104783	0.000187662	0.000121716	0.000126632	1.76603E-05	0.000104783	0.00018568
6498	0.000125084	0.000130685	2.76567E-05	0.00010652	0.000183953	0.000125563	0.000130594	1.90923E-05	0.00010652	0.000181767
6499	0.000131064	0.000136927	2.9071E-05	0.000105747	0.000152449	0.000129478	0.000134577	2.15662E-05	0.000105747	0.000152291
6500	0.000127361	0.000133042	2.85241E-05	0.000100042	0.000121698	0.000124778	0.000129641	2.18418E-05	0.000100042	0.000124254
6501	0.000120203	0.00012559	2.64925E-05	9.07787E-05	0.000102561	0.000116577	0.000121105	2.07262E-05	9.07787E-05	0.000105965
6502	0.000108326	0.000113213	2.32974E-05	7.93057E-05	8.56337E-05	0.000104312	0.000108373	1.83447E-05	7.93057E-05	9.06366E-05
6503	9.36025E-05	9.78333E-05	2.00032E-05	6.93542E-05	8.32533E-05	9.04522E-05	9.39975E-05	1.54103E-05	6.93542E-05	8.81249E-05
6504	8.21329E-05	8.58604E-05	1.7289E-05	6.30119E-05	8.20603E-05	8.01981E-05	8.33889E-05	1.26611E-05	6.30119E-05	8.68562E-05
6505	7.13688E-05	7.46246E-05	1.47302E-05	5.69897E-05	8.26239E-05	7.0554E-05	7.34106E-05	1.00909E-05	5.69897E-05	8.74397E-05
6506	6.73406E-05	7.04181E-05	1.3804E-05	5.54163E-05	8.43214E-05	6.71733E-05	6.99227E-05	8.9773E-06	5.54163E-05	8.92096E-05
6507	6.6392E-05	6.94261E-05	1.36113E-05	5.56177E-05	8.94794E-05	6.65693E-05	6.93087E-05	8.58685E-06	5.56177E-05	9.45964E-05
6508	6.91666E-05	7.23201E-05	1.43082E-05	5.91686E-05	9.66098E-05	6.97437E-05	7.26246E-05	8.76544E-06	5.91686E-05	0.00010206
6509	7.62259E-05	7.96958E-05	1.58632E-05	6.5202E-05	0.000105607	7.68396E-05	8.00053E-05	9.83328E-06	6.5202E-05	0.000111495
6510	8.32474E-05	8.70315E-05	1.74188E-05	7.04018E-05	0.000110607	8.36136E-05	8.70392E-05	1.11061E-05	7.04018E-05	0.000116102
6511	8.50454E-05	8.88767E-05	1.83968E-05	7.23074E-05	0.000205691	8.54116E-05	8.887E-05	1.22083E-05	7.23074E-05	0.000205123
6512	8.27586E-05	8.64508E-05	1.85305E-05	7.20266E-05	0.000208412	8.35429E-05	8.69041E-05	1.23983E-05	7.20266E-05	0.000207379
6513	8.35928E-05	8.73206E-05	1.87433E-05	7.22724E-05	0.000209908	8.4208E-05	8.75881E-05	1.2664E-05	7.22724E-05	0.000208989
6514	8.80163E-05	9.1944E-05	1.96905E-05	7.55344E-05	0.000210098	8.84815E-05	9.20265E-05	1.34465E-05	7.55344E-05	0.00020921
6515	9.15013E-05	9.55867E-05	2.04321E-05	7.80635E-05	0.000210854	9.18356E-05	9.55096E-05	1.40701E-05	7.80635E-05	0.000210008
6516	9.21837E-05	9.63062E-05	2.04702E-05	7.86198E-05	0.00019698	9.25489E-05	9.62551E-05	1.4102E-05	7.86198E-05	0.00019725
6517	9.52202E-05	9.94819E-05	2.10848E-05	8.13844E-05	0.000195594	9.56784E-05	9.95146E-05	1.44802E-05	8.13844E-05	0.0001958
6518	9.89163E-05	0.000103346	2.18621E-05	8.5664E-05	0.000192087	9.97986E-05	0.000103818	1.47276E-05	8.5664E-05	0.000192118
6519	0.000104476	0.00010916	2.30079E-05	9.09611E-05	0.00019988	0.000105605	0.000109868	1.53744E-05	9.09611E-05	0.000198503
6520	0.00011299	0.000118065	2.47091E-05	9.77461E-05	0.000192711	0.000114048	0.000118648	1.66662E-05	9.77461E-05	0.000190989
6521	0.000120398	0.0001258	2.64177E-05	0.000104783	0.000187662	0.000121716	0.000126632	1.76603E-05	0.000104783	0.00018568
6522	0.000125084	0.000130685	2.76567E-05	0.00010652	0.000183953	0.000125563	0.000130594	1.90923E-05	0.00010652	0.000181767
6523	0.000131064	0.000136927	2.9071E-05	0.000105747	0.000152449	0.000129478	0.000134577	2.15662E-05	0.000105747	0.000152291
6524	0.000127361	0.000133042	2.85241E-05	0.000100042	0.000121698	0.000124778	0.000129641	2.18418E-05	0.000100042	0.000124254
6525	0.000120203	0.00012559	2.64925E-05	9.07787E-05	0.000102561	0.000116577	0.000121105	2.07262E-05	9.07787E-05	0.000105965
6526	0.000108326	0.000113213	2.32974E-05	7.93057E-05	8.56337E-05	0.000104312	0.000108373	1.83447E-05	7.93057E-05	9.06366E-05
6527	9.36025E-05	9.78333E-05	2.00032E-05	6.93542E-05	8.32533E-05	9.04522E-05	9.39975E-05	1.54103E-05	6.93542E-05	8.81249E-05

6528	8.21329E-05	8.58604E-05	1.7289E-05	6.30119E-05	8.20603E-05	8.01981E-05	8.33889E-05	1.26611E-05	6.30119E-05	8.68562E-05
6529	7.13688E-05	7.46246E-05	1.47302E-05	5.69897E-05	8.26239E-05	7.0554E-05	7.34106E-05	1.00909E-05	5.69897E-05	8.74397E-05
6530	6.73406E-05	7.04181E-05	1.3804E-05	5.54163E-05	8.43214E-05	6.71733E-05	6.99227E-05	8.9773E-06	5.54163E-05	8.92096E-05
6531	6.6392E-05	6.94261E-05	1.36113E-05	5.56177E-05	8.94794E-05	6.65693E-05	6.93087E-05	8.58685E-06	5.56177E-05	9.45964E-05
6532	6.91666E-05	7.23201E-05	1.43082E-05	5.91686E-05	9.66098E-05	6.97437E-05	7.26246E-05	8.76544E-06	5.91686E-05	0.00010206
6533	7.62259E-05	7.96958E-05	1.58632E-05	6.5202E-05	0.000105607	7.68396E-05	8.00053E-05	9.83328E-06	6.5202E-05	0.000111495
6534	8.32474E-05	8.70315E-05	1.74188E-05	7.04018E-05	0.000110607	8.36136E-05	8.70392E-05	1.11061E-05	7.04018E-05	0.000116102
6535	8.50454E-05	8.88767E-05	1.83968E-05	7.23074E-05	0.000205691	8.54116E-05	8.887E-05	1.22083E-05	7.23074E-05	0.000205123
6536	8.27586E-05	8.64508E-05	1.85305E-05	7.20266E-05	0.000208412	8.35429E-05	8.69041E-05	1.23983E-05	7.20266E-05	0.000207379
6537	8.35928E-05	8.73206E-05	1.87433E-05	7.22724E-05	0.000209908	8.4208E-05	8.75881E-05	1.2664E-05	7.22724E-05	0.000208989
6538	8.80163E-05	9.1944E-05	1.96905E-05	7.55344E-05	0.000210098	8.84815E-05	9.20265E-05	1.34465E-05	7.55344E-05	0.00020921
6539	9.15013E-05	9.55867E-05	2.04321E-05	7.80635E-05	0.000210854	9.18356E-05	9.55096E-05	1.40701E-05	7.80635E-05	0.000210008
6540	9.21837E-05	9.63062E-05	2.04702E-05	7.86198E-05	0.00019698	9.25489E-05	9.62551E-05	1.4102E-05	7.86198E-05	0.00019725
6541	9.52202E-05	9.94819E-05	2.10848E-05	8.13844E-05	0.000195594	9.56784E-05	9.95146E-05	1.44802E-05	8.13844E-05	0.0001958
6542	9.89163E-05	0.000103346	2.18621E-05	8.5664E-05	0.000192087	9.97986E-05	0.000103818	1.47276E-05	8.5664E-05	0.000192118
6543	0.000104476	0.00010916	2.30079E-05	9.09611E-05	0.00019988	0.000105605	0.000109868	1.53744E-05	9.09611E-05	0.000198503
6544	0.00011299	0.000118065	2.47091E-05	9.77461E-05	0.000192711	0.000114048	0.000118648	1.66662E-05	9.77461E-05	0.000190989
6545	0.000120398	0.0001258	2.64177E-05	0.000104783	0.000187662	0.000121716	0.000126632	1.76603E-05	0.000104783	0.00018568
6546	0.000125084	0.000130685	2.76567E-05	0.00010652	0.000183953	0.000125563	0.000130594	1.90923E-05	0.00010652	0.000181767
6547	0.000131064	0.000136927	2.9071E-05	0.000105747	0.000152449	0.000129478	0.000134577	2.15662E-05	0.000105747	0.000152291
6548	0.000127361	0.000133042	2.85241E-05	0.000100042	0.000121698	0.000124778	0.000129641	2.18418E-05	0.000100042	0.000124254
6549	0.000120203	0.00012559	2.64925E-05	9.07787E-05	0.000102561	0.000116577	0.000121105	2.07262E-05	9.07787E-05	0.000105965
6550	0.000108326	0.000113213	2.32974E-05	7.93057E-05	8.56337E-05	0.000104312	0.000108373	1.83447E-05	7.93057E-05	9.06366E-05
6551	9.36025E-05	9.78333E-05	2.00032E-05	6.93542E-05	8.32533E-05	9.04522E-05	9.39975E-05	1.54103E-05	6.93542E-05	8.81249E-05
6552	8.21329E-05	8.58604E-05	1.7289E-05	6.30119E-05	8.20603E-05	8.01981E-05	8.33889E-05	1.26611E-05	6.30119E-05	8.68562E-05
6553	7.13688E-05	7.46246E-05	1.47302E-05	5.69897E-05	8.26239E-05	7.0554E-05	7.34106E-05	1.00909E-05	5.69897E-05	8.74397E-05
6554	6.73406E-05	7.04181E-05	1.3804E-05	5.54163E-05	8.43214E-05	6.71733E-05	6.99227E-05	8.9773E-06	5.54163E-05	8.92096E-05
6555	6.6392E-05	6.94261E-05	1.36113E-05	5.56177E-05	8.94794E-05	6.65693E-05	6.93087E-05	8.58685E-06	5.56177E-05	9.45964E-05
6556	6.91666E-05	7.23201E-05	1.43082E-05	5.91686E-05	9.66098E-05	6.97437E-05	7.26246E-05	8.76544E-06	5.91686E-05	0.00010206
6557	7.62259E-05	7.96958E-05	1.58632E-05	6.5202E-05	0.000105607	7.68396E-05	8.00053E-05	9.83328E-06	6.5202E-05	0.000111495
6558	8.32474E-05	8.70315E-05	1.74188E-05	7.04018E-05	0.000110607	8.36136E-05	8.70392E-05	1.11061E-05	7.04018E-05	0.000116102
6559	8.50454E-05	8.88767E-05	1.83968E-05	7.23074E-05	0.000205691	8.54116E-05	8.887E-05	1.22083E-05	7.23074E-05	0.000205123
6560	8.27586E-05	8.64508E-05	1.85305E-05	7.20266E-05	0.000208412	8.35429E-05	8.69041E-05	1.23983E-05	7.20266E-05	0.000207379
6561	8.35928E-05	8.73206E-05	1.87433E-05	7.22724E-05	0.000209908	8.4208E-05	8.75881E-05	1.2664E-05	7.22724E-05	0.000208989
6562	8.80163E-05	9.1944E-05	1.96905E-05	7.55344E-05	0.000210098	8.84815E-05	9.20265E-05	1.34465E-05	7.55344E-05	0.00020921
6563	9.15013E-05	9.55867E-05	2.04321E-05	7.80635E-05	0.000210854	9.18356E-05	9.55096E-05	1.40701E-05	7.80635E-05	0.000210008
6564	9.21837E-05	9.63062E-05	2.04702E-05	7.86198E-05	0.00019698	9.25489E-05	9.62551E-05	1.4102E-05	7.86198E-05	0.00019725
6565	9.52202E-05	9.94819E-05	2.10848E-05	8.13844E-05	0.000195594	9.56784E-05	9.95146E-05	1.44802E-05	8.13844E-05	0.0001958
6566	9.89163E-05	0.000103346	2.18621E-05	8.5664E-05	0.000192087	9.97986E-05	0.000103818	1.47276E-05	8.5664E-05	0.000192118
6567	0.000104476	0.00010916	2.30079E-05	9.09611E-05	0.00019988	0.000105605	0.000109868	1.53744E-05	9.09611E-05	0.000198503
6568	0.00011299	0.000118065	2.47091E-05	9.77461E-05	0.000192711	0.000114048	0.000118648	1.66662E-05	9.77461E-05	0.000190989
6569	0.000120398	0.0001258	2.64177E-05	0.000104783	0.000187662	0.000121716	0.000126632	1.76603E-05	0.000104783	0.00018568
6570	0.000125084	0.000130685	2.76567E-05	0.00010652	0.000183953	0.000125563	0.000130594	1.90923E-05	0.00010652	0.000181767
6571	0.000131064	0.000136927	2.9071E-05	0.000105747	0.000152449	0.000129478	0.000134577	2.15662E-05	0.000105747	0.000152291
6572	0.000127361	0.000133042	2.85241E-05	0.000100042	0.000121698	0.000124778	0.000129641	2.18418E-05	0.000100042	0.000124254
6573	0.000120203	0.00012559	2.64925E-05	9.07787E-05	0.000102561	0.000116577	0.000121105	2.07262E-05	9.07787E-05	0.000105965
6574	0.000108326	0.000113213	2.32974E-05	7.93057E-05	8.56337E-05	0.000104312	0.000108373	1.83447E-05	7.93057E-05	9.06366E-05
6575	9.36025E-05	9.78333E-05	2.00032E-05	6.93542E-05	8.32533E-05	9.04522E-05	9.39975E-05	1.54103E-05	6.93542E-05	8.81249E-05
6576	8.21329E-05	8.58604E-05	1.7289E-05	6.30119E-05	8.20603E-05	8.01981E-05	8.33889E-05	1.26611E-05	6.30119E-05	8.68562E-05
6577	6.7519E-05	7.05817E-05	1.42408E-05	5.53766E-05	3.79734E-05	6.71543E-05	6.98861E-05	9.33106E-06	5.53766E-05	4.04219E-05
6578	6.4961E-05	6.79134E-05	1.36014E-05	5.50307E-05	3.84492E-05	6.52532E-05	6.79382E-05	8.42147E-06	5.50307E-05	4.09534E-05
6579	6.54874E-05	6.84607E-05	1.37649E-05	5.68816E-05	3.96212E-05	6.6258E-05	6.90021E-05	8.17679E-06	5.68816E-05	4.22603E-05
6580	6.92092E-05	7.23454E-05	1.46533E-05	6.12635E-05	4.14141E-05	7.03977E-05	7.33229E-05	8.48113E-06	6.12635E-05	4.42568E-05
6581	7.65672E-05	8.00304E-05	1.6322E-05	6.78856E-05	4.3713E-05	7.78949E-05	8.11242E-05	9.54259E-06	6.78856E-05	4.68131E-05
6582	8.39253E-05	8.77157E-05	1.79887E-05	7.36446E-05	4.41125E-05	8.50903E-05	8.8599E-05	1.08229E-05	7.36446E-05	4.67099E-05
6583	8.73956E-05	9.13191E-05	1.91432E-05	7.63628E-05	0.000134513	8.83867E-05	9.19997E-05	1.19115E-05	7.63628E-05	0.000130872
6584	8.09638E-05	8.45455E-05	1.86572E-05	7.34446E-05	0.000133779	8.26019E-05	8.59499E-05	1.17382E-05	7.34446E-05	0.000129505
6585	7.7417E-05	8.08386E-05	1.7895E-05	6.9299E-05	0.000133981	7.86398E-05	8.18118E-05	1.14994E-05	6.9299E-05	0.000129725
6586	7.6407E-05	7.97834E-05	1.76706E-05	6.73432E-05	0.000134137	7.72421E-05	8.03422E-05	1.1624E-05	6.73432E-05	0.000129894
6587	7.56158E-05	7.89593E-05	1.74514E-05	6.553E-05	0.000134556	7.60629E-05	7.91007E-05	1.17631E-05	6.553E-05	0.000130356
6588	7.4727E-05	7.80335E-05	1.72088E-05	6.49327E-05	0.00012009	7.52418E-05	7.82507E-05	1.15546E-05	6.49327E-05	0.000116994
6589	7.60216E-05	7.93893E-05	1.74372E-05	6.59595E-05	0.0001199	7.65338E-05	7.95954E-05	1.17311E-05	6.59595E-05	0.000116782
6590	7.70419E-05	8.04587E-05	1.76048E-05	6.74698E-05	0.00011887	7.7802E-05	8.09258E-05	1.16827E-05	6.74698E-05	0.000115637
6591	8.03809E-05	8.39481E-05	1.83262E-05	7.0968E-05	0.000132032	8.13889E-05	8.46665E-05	1.20135E-05	7.0968E-05	0.000127545
6592	8.67168E-05	9.05696E-05	1.96949E-05	7.65002E-05	0.000130151	8.78075E-05	9.13453E-05	1.29233E-05	7.65002E-05	0.000125452
6593	9.4633E-05	9.885E-05	2.12737E-05	8.25616E-05	0.000128675	9.55717E-05	9.94168E-05	1.41854E-05	8.25616E-05	0.000123813
6594	0.000103348	0.000107954	2.32194E-05	8.71767E-05	0.000127811	0.00010333	0.000107444	1.6245E-05	8.71767E-05	0.000122855
6595	0.000111641	0.000116605	2.52838E-05	8.95493E-05	9.76835E-05	0.000109935	0.000114237	1.88687E-05	8.95493E-05	9.48107E-05
6596	0.000111518	0.000116468	2.54093E-05	8.66737E-05	6.87993E-05	0.00010879	0.000113	1.96636E-05	8.66737E-05	6.86957E-05
6597	0.00010579	0.000110492	2.39926E-05	8.03247E-05	5.29518E-05	0.00010255	0.000106505	1.88316E-05	8.03247E-05	5.38025E-05
6598	9.97041E-05	0.000104182	2.18129E-05	7.33183E-05	3.86816E-05	9.59934E-05	9.97264E-05	1.69778E-05	7.33183E-05	4.12073E-05
6599	8.82731E-05	9.22445E-05	1.91869E-05	6.6273E-05	3.80321E-05	8.5494E-05	8.88491E-05	1.4478E-05	6.6273E-05	4.04869E-05
6600	7.89596E-05	8.25234E-05	1.69643E-05	6.21641E-05	3.76891E-05	7.75388E-05	8.06367E-05	1.19669E-05	6.21641E-05	4.01076E-05
6601	6.7519E-05	7.05817E-05	1.42408E-05	5.53766E-05	3.79734E-05	6.71543E-05	6.98861E-05	9.33106E-06	5.53766E-05	4.04219E-05
6602	6.4961E-05	6.79134E-05	1.36014E-05	5.50307E-05	3.84492E-05	6.52532E-05	6.79382E-05	8.42147E-06	5.50307E-05	4.09534E-05
6603	6.54874E-05	6.84607E-05	1.37649E-05	5.68816E-05	3.96212E-05	6.6258E-05	6.90021E-05	8.17679E-06	5.68816E-05	4.22603E-05

6604	6.92092E-05	7.23454E-05	1.46533E-05	6.12635E-05	4.14141E-05	7.03977E-05	7.33229E-05	8.48113E-06	6.12635E-05	4.42568E-05
6605	7.65672E-05	8.00304E-05	1.6322E-05	6.78856E-05	4.3713E-05	7.78949E-05	8.11242E-05	9.54259E-06	6.78856E-05	4.68131E-05
6606	8.39253E-05	8.77157E-05	1.79887E-05	7.36446E-05	4.41125E-05	8.50903E-05	8.8599E-05	1.08229E-05	7.36446E-05	4.67099E-05
6607	8.73956E-05	9.13191E-05	1.91432E-05	7.63628E-05	0.000134513	8.83867E-05	9.19997E-05	1.19115E-05	7.63628E-05	0.000130872
6608	8.09638E-05	8.45455E-05	1.86572E-05	7.34446E-05	0.000133779	8.26019E-05	8.59499E-05	1.17382E-05	7.34446E-05	0.000129505
6609	7.7417E-05	8.08386E-05	1.7895E-05	6.9299E-05	0.000133981	7.86398E-05	8.18118E-05	1.14994E-05	6.9299E-05	0.000129725
6610	7.6407E-05	7.97834E-05	1.76706E-05	6.73432E-05	0.000134137	7.72421E-05	8.03422E-05	1.1624E-05	6.73432E-05	0.000129894
6611	7.56158E-05	7.89593E-05	1.74514E-05	6.553E-05	0.000134556	7.60629E-05	7.91007E-05	1.17631E-05	6.553E-05	0.000130356
6612	7.4727E-05	7.80335E-05	1.72088E-05	6.49327E-05	0.00012009	7.52418E-05	7.82507E-05	1.15546E-05	6.49327E-05	0.000116994
6613	7.60216E-05	7.93893E-05	1.74372E-05	6.59595E-05	0.0001199	7.65338E-05	7.95954E-05	1.17311E-05	6.59595E-05	0.000116782
6614	7.70419E-05	8.04587E-05	1.76048E-05	6.74698E-05	0.00011887	7.7802E-05	8.09258E-05	1.16827E-05	6.74698E-05	0.000115637
6615	8.03809E-05	8.39481E-05	1.83262E-05	7.0968E-05	0.000132032	8.13889E-05	8.46665E-05	1.20135E-05	7.0968E-05	0.000127545
6616	8.67168E-05	9.05696E-05	1.96949E-05	7.65002E-05	0.000130151	8.78075E-05	9.13453E-05	1.29233E-05	7.65002E-05	0.000125452
6617	9.4633E-05	9.885E-05	2.12737E-05	8.25616E-05	0.000128675	9.55717E-05	9.94168E-05	1.41854E-05	8.25616E-05	0.000123813
6618	0.000103348	0.000107954	2.32194E-05	8.71767E-05	0.000127811	0.00010333	0.000107444	1.6245E-05	8.71767E-05	0.000122855
6619	0.000111641	0.000116605	2.52838E-05	8.95493E-05	9.76835E-05	0.000109935	0.000114237	1.88687E-05	8.95493E-05	9.48107E-05
6620	0.000111518	0.000116468	2.54093E-05	8.66737E-05	6.87993E-05	0.00010879	0.000113	1.96636E-05	8.66737E-05	6.86957E-05
6621	0.00010579	0.000110492	2.39926E-05	8.03247E-05	5.29518E-05	0.00010255	0.000106505	1.88316E-05	8.03247E-05	5.38025E-05
6622	9.97041E-05	0.000104182	2.18129E-05	7.33183E-05	3.86816E-05	9.59934E-05	9.97264E-05	1.69778E-05	7.33183E-05	4.12073E-05
6623	8.82731E-05	9.22445E-05	1.91869E-05	6.6273E-05	3.80321E-05	8.5494E-05	8.88491E-05	1.4478E-05	6.6273E-05	4.04869E-05
6624	7.89596E-05	8.25234E-05	1.69643E-05	6.21641E-05	3.76891E-05	7.75388E-05	8.06367E-05	1.19669E-05	6.21641E-05	4.01076E-05
6625	6.76419E-05	7.07105E-05	1.42622E-05	5.54638E-05	3.78147E-05	6.72734E-05	7.001E-05	9.3503E-06	5.54638E-05	4.0247E-05
6626	6.49577E-05	6.79102E-05	1.35975E-05	5.5008E-05	3.82634E-05	6.5244E-05	6.79285E-05	8.42384E-06	5.5008E-05	4.07484E-05
6627	6.5531E-05	6.8506E-05	1.3778E-05	5.69459E-05	3.94331E-05	6.63102E-05	6.90566E-05	8.17889E-06	5.69459E-05	4.20528E-05
6628	6.9222E-05	7.23584E-05	1.4661E-05	6.13066E-05	4.11899E-05	7.04202E-05	7.33466E-05	8.47832E-06	6.13066E-05	4.40088E-05
6629	7.66099E-05	8.00742E-05	1.63447E-05	6.80089E-05	4.34924E-05	7.7964E-05	8.11968E-05	9.53615E-06	6.80089E-05	4.65689E-05
6630	8.39595E-05	8.7751E-05	1.80034E-05	7.37221E-05	4.38876E-05	8.51393E-05	8.86505E-05	1.08208E-05	7.37221E-05	4.64608E-05
6631	8.56465E-05	8.94754E-05	1.90395E-05	7.60226E-05	0.000134347	8.69703E-05	9.05198E-05	1.18388E-05	7.60226E-05	0.000130688
6632	8.04397E-05	8.39986E-05	1.85302E-05	7.28558E-05	0.000133648	8.20295E-05	8.53528E-05	1.16868E-05	7.28558E-05	0.00012936
6633	7.63459E-05	7.97211E-05	1.76298E-05	6.80612E-05	0.00013394	7.74597E-05	8.05807E-05	1.13992E-05	6.80612E-05	0.000129679
6634	7.5276E-05	7.86035E-05	1.7391E-05	6.60385E-05	0.000134141	7.59967E-05	7.9043E-05	1.15179E-05	6.60385E-05	0.000129896
6635	7.45899E-05	7.7889E-05	1.71976E-05	6.43456E-05	0.000134604	7.4933E-05	7.79219E-05	1.1667E-05	6.43456E-05	0.000130408
6636	7.38251E-05	7.70916E-05	1.70024E-05	6.39938E-05	0.000120127	7.42788E-05	7.72469E-05	1.14557E-05	6.39938E-05	0.000117034
6637	7.52691E-05	7.86031E-05	1.72717E-05	6.52174E-05	0.000119938	7.57427E-05	7.8771E-05	1.16427E-05	6.52174E-05	0.000116822
6638	7.63876E-05	7.97751E-05	1.7459E-05	6.68126E-05	0.000118938	7.71104E-05	8.02051E-05	1.16075E-05	6.68126E-05	0.00011571
6639	7.95477E-05	8.30779E-05	1.81376E-05	7.01137E-05	0.000132128	8.05031E-05	8.37433E-05	1.19202E-05	7.01137E-05	0.000127649
6640	8.58656E-05	8.96806E-05	1.94999E-05	7.56131E-05	0.000130252	8.68983E-05	9.03976E-05	1.283E-05	7.56131E-05	0.000125563
6641	9.39697E-05	9.81572E-05	2.11234E-05	8.18806E-05	0.000128767	9.48664E-05	9.86816E-05	1.41113E-05	8.18806E-05	0.000123914
6642	0.00010279	0.000107372	2.30902E-05	8.65867E-05	0.000127893	0.000102731	0.00010682	1.6185E-05	8.65867E-05	0.000122945
6643	0.000111309	0.000116259	2.52025E-05	8.91716E-05	9.7737E-05	0.00010957	0.000113857	1.88367E-05	8.91716E-05	9.48693E-05
6644	0.000111008	0.000115935	2.5289E-05	8.6121E-05	6.88623E-05	0.000108238	0.000112425	1.96106E-05	8.6121E-05	6.87648E-05
6645	0.000106885	0.000111653	2.394E-05	7.99435E-05	5.30423E-05	0.000103256	0.000107244	1.88383E-05	7.99435E-05	5.39022E-05
6646	9.91733E-05	0.000103628	2.16825E-05	7.27112E-05	3.87692E-05	9.54105E-05	9.91184E-05	1.69273E-05	7.27112E-05	4.13035E-05
6647	8.76857E-05	9.16313E-05	1.90484E-05	6.56366E-05	3.81216E-05	8.48594E-05	8.81874E-05	1.4417E-05	6.56366E-05	4.05852E-05
6648	7.85086E-05	8.20527E-05	1.68565E-05	6.16667E-05	3.78238E-05	7.7049E-05	8.01259E-05	1.19213E-05	6.16667E-05	4.02559E-05
6649	6.76419E-05	7.07105E-05	1.42622E-05	5.54638E-05	3.78147E-05	6.72734E-05	7.001E-05	9.3503E-06	5.54638E-05	4.0247E-05
6650	6.49577E-05	6.79102E-05	1.35975E-05	5.5008E-05	3.82634E-05	6.5244E-05	6.79285E-05	8.42384E-06	5.5008E-05	4.07484E-05
6651	6.5531E-05	6.8506E-05	1.3778E-05	5.69459E-05	3.94331E-05	6.63102E-05	6.90566E-05	8.17889E-06	5.69459E-05	4.20528E-05
6652	6.9222E-05	7.23584E-05	1.4661E-05	6.13066E-05	4.11899E-05	7.04202E-05	7.33466E-05	8.47832E-06	6.13066E-05	4.40088E-05
6653	7.66099E-05	8.00742E-05	1.63447E-05	6.80089E-05	4.34924E-05	7.7964E-05	8.11968E-05	9.53615E-06	6.80089E-05	4.65689E-05
6654	8.39595E-05	8.7751E-05	1.80034E-05	7.37221E-05	4.38876E-05	8.51393E-05	8.86505E-05	1.08208E-05	7.37221E-05	4.64608E-05
6655	8.56465E-05	8.94754E-05	1.90395E-05	7.60226E-05	0.000134347	8.69703E-05	9.05198E-05	1.18388E-05	7.60226E-05	0.000130688
6656	8.04397E-05	8.39986E-05	1.85302E-05	7.28558E-05	0.000133648	8.20295E-05	8.53528E-05	1.16868E-05	7.28558E-05	0.00012936
6657	7.63459E-05	7.97211E-05	1.76298E-05	6.80612E-05	0.00013394	7.74597E-05	8.05807E-05	1.13992E-05	6.80612E-05	0.000129679
6658	7.5276E-05	7.86035E-05	1.7391E-05	6.60385E-05	0.000134141	7.59967E-05	7.9043E-05	1.15179E-05	6.60385E-05	0.000129896
6659	7.45899E-05	7.7889E-05	1.71976E-05	6.43456E-05	0.000134604	7.4933E-05	7.79219E-05	1.1667E-05	6.43456E-05	0.000130408
6660	7.38251E-05	7.70916E-05	1.70024E-05	6.39938E-05	0.000120127	7.42788E-05	7.72469E-05	1.14557E-05	6.39938E-05	0.000117034
6661	7.52691E-05	7.86031E-05	1.72717E-05	6.52174E-05	0.000119938	7.57427E-05	7.8771E-05	1.16427E-05	6.52174E-05	0.000116822
6662	7.63876E-05	7.97751E-05	1.7459E-05	6.68126E-05	0.000118938	7.71104E-05	8.02051E-05	1.16075E-05	6.68126E-05	0.00011571
6663	7.95477E-05	8.30779E-05	1.81376E-05	7.01137E-05	0.000132128	8.05031E-05	8.37433E-05	1.19202E-05	7.01137E-05	0.000127649
6664	8.58656E-05	8.96806E-05	1.94999E-05	7.56131E-05	0.000130252	8.68983E-05	9.03976E-05	1.283E-05	7.56131E-05	0.000125563
6665	9.39697E-05	9.81572E-05	2.11234E-05	8.18806E-05	0.000128767	9.48664E-05	9.86816E-05	1.41113E-05	8.18806E-05	0.000123914
6666	0.00010279	0.000107372	2.30902E-05	8.65867E-05	0.000127893	0.000102731	0.00010682	1.6185E-05	8.65867E-05	0.000122945
6667	0.000111309	0.000116259	2.52025E-05	8.91716E-05	9.7737E-05	0.00010957	0.000113857	1.88367E-05	8.91716E-05	9.48693E-05
6668	0.000111008	0.000115935	2.5289E-05	8.6121E-05	6.88623E-05	0.000108238	0.000112425	1.96106E-05	8.6121E-05	6.87648E-05
6669	0.000106885	0.000111653	2.394E-05	7.99435E-05	5.30423E-05	0.000103256	0.000107244	1.88383E-05	7.99435E-05	5.39022E-05
6670	9.91733E-05	0.000103628	2.16825E-05	7.27112E-05	3.87692E-05	9.54105E-05	9.91184E-05	1.69273E-05	7.27112E-05	4.13035E-05
6671	8.76857E-05	9.16313E-05	1.90484E-05	6.56366E-05	3.81216E-05	8.48594E-05	8.81874E-05	1.4417E-05	6.56366E-05	4.05852E-05
6672	7.85086E-05	8.20527E-05	1.68565E-05	6.16667E-05	3.78238E-05	7.7049E-05	8.01259E-05	1.19213E-05	6.16667E-05	4.02559E-05
6673	6.76419E-05	7.07105E-05	1.42622E-05	5.54638E-05	3.78147E-05	6.72734E-05	7.001E-05	9.3503E-06	5.54638E-05	4.0247E-05
6674	6.49577E-05	6.79102E-05	1.35975E-05	5.5008E-05	3.82634E-05	6.5244E-05	6.79285E-05	8.42384E-06	5.5008E-05	4.07484E-05
6675	6.5531E-05	6.8506E-05	1.3778E-05	5.69459E-05	3.94331E-05	6.63102E-05	6.90566E-05	8.17889E-06	5.69459E-05	4.20528E-05
6676	6.9222E-05	7.23584E-05	1.4661E-05	6.13066E-05	4.11899E-05	7.04202E-05	7.33466E-05	8.47832E-06	6.13066E-05	4.40088E-05
6677	7.66099E-05	8.00742E-05	1.63447E-05	6.80089E-05	4.34924E-05	7.7964E-05	8.11968E-05	9.53615E-06	6.80089E-05	4.65689E-05
6678	8.39595E-05	8.7751E-05	1.80034E-05	7.37221E-05	4.38876E-05	8.51393E-05	8.86505E-05	1.08208E-05	7.37221E-05	4.64608E-05
6679	8.56465E-05	8.94754E-05	1.90395E-05	7.60226E-05	0.000134347	8.69703E-05	9.05198E-05	1.18388E-05	7.60226E-05	0.000130688

6680	8.04397E-05	8.39986E-05	1.85302E-05	7.28558E-05	0.000133648	8.20295E-05	8.53528E-05	1.16868E-05	7.28558E-05	0.00012936
6681	7.63459E-05	7.97211E-05	1.76298E-05	6.80612E-05	0.00013394	7.74597E-05	8.05807E-05	1.13992E-05	6.80612E-05	0.000129679
6682	7.5276E-05	7.86035E-05	1.7391E-05	6.60385E-05	0.000134141	7.59967E-05	7.9043E-05	1.15179E-05	6.60385E-05	0.000129896
6683	7.45899E-05	7.7889E-05	1.71976E-05	6.43456E-05	0.000134604	7.4933E-05	7.79219E-05	1.1667E-05	6.43456E-05	0.000130408
6684	7.38251E-05	7.70916E-05	1.70024E-05	6.39938E-05	0.000120127	7.42788E-05	7.72469E-05	1.14557E-05	6.39938E-05	0.000117034
6685	7.52691E-05	7.86031E-05	1.72717E-05	6.52174E-05	0.000119938	7.57427E-05	7.8771E-05	1.16427E-05	6.52174E-05	0.000116822
6686	7.63876E-05	7.97751E-05	1.7459E-05	6.68126E-05	0.000118938	7.71104E-05	8.02051E-05	1.16075E-05	6.68126E-05	0.00011571
6687	7.95477E-05	8.30779E-05	1.81376E-05	7.01137E-05	0.000132128	8.05031E-05	8.37433E-05	1.19202E-05	7.01137E-05	0.000127649
6688	8.58656E-05	8.96806E-05	1.94999E-05	7.56131E-05	0.000130252	8.68983E-05	9.03976E-05	1.283E-05	7.56131E-05	0.000125563
6689	9.39697E-05	9.81572E-05	2.11234E-05	8.18806E-05	0.000128767	9.48664E-05	9.86816E-05	1.41113E-05	8.18806E-05	0.000123914
6690	0.00010279	0.000107372	2.30902E-05	8.65867E-05	0.000127893	0.000102731	0.00010682	1.6185E-05	8.65867E-05	0.000122945
6691	0.000111309	0.000116259	2.52025E-05	8.91716E-05	9.7737E-05	0.00010957	0.000113857	1.88367E-05	8.91716E-05	9.48693E-05
6692	0.000111008	0.000115935	2.5289E-05	8.6121E-05	6.88623E-05	0.000108238	0.000112425	1.96106E-05	8.6121E-05	6.87648E-05
6693	0.000106885	0.000111653	2.394E-05	7.99435E-05	5.30423E-05	0.000103256	0.000107244	1.88383E-05	7.99435E-05	5.39022E-05
6694	9.91733E-05	0.000103628	2.16825E-05	7.27112E-05	3.87692E-05	9.54105E-05	9.91184E-05	1.69273E-05	7.27112E-05	4.13035E-05
6695	8.76857E-05	9.16313E-05	1.90484E-05	6.56366E-05	3.81216E-05	8.48594E-05	8.81874E-05	1.4417E-05	6.56366E-05	4.05852E-05
6696	7.85086E-05	8.20527E-05	1.68565E-05	6.16667E-05	3.78238E-05	7.7049E-05	8.01259E-05	1.19213E-05	6.16667E-05	4.02559E-05
6697	6.76419E-05	7.07105E-05	1.42622E-05	5.54638E-05	3.78147E-05	6.72734E-05	7.001E-05	9.3503E-06	5.54638E-05	4.0247E-05
6698	6.49577E-05	6.79102E-05	1.35975E-05	5.5008E-05	3.82634E-05	6.5244E-05	6.79285E-05	8.42384E-06	5.5008E-05	4.07484E-05
6699	6.5531E-05	6.8506E-05	1.3778E-05	5.69459E-05	3.94331E-05	6.63102E-05	6.90566E-05	8.17889E-06	5.69459E-05	4.20528E-05
6700	6.9222E-05	7.23584E-05	1.4661E-05	6.13066E-05	4.11899E-05	7.04202E-05	7.33466E-05	8.47832E-06	6.13066E-05	4.40088E-05
6701	7.66099E-05	8.00742E-05	1.63447E-05	6.80089E-05	4.34924E-05	7.7964E-05	8.11968E-05	9.53615E-06	6.80089E-05	4.65689E-05
6702	8.39595E-05	8.7751E-05	1.80034E-05	7.37221E-05	4.38876E-05	8.51393E-05	8.86505E-05	1.08208E-05	7.37221E-05	4.64608E-05
6703	8.56465E-05	8.94754E-05	1.90395E-05	7.60226E-05	0.000134347	8.69703E-05	9.05198E-05	1.18388E-05	7.60226E-05	0.000130688
6704	8.04397E-05	8.39986E-05	1.85302E-05	7.28558E-05	0.000133648	8.20295E-05	8.53528E-05	1.16868E-05	7.28558E-05	0.00012936
6705	7.63459E-05	7.97211E-05	1.76298E-05	6.80612E-05	0.00013394	7.74597E-05	8.05807E-05	1.13992E-05	6.80612E-05	0.000129679
6706	7.5276E-05	7.86035E-05	1.7391E-05	6.60385E-05	0.000134141	7.59967E-05	7.9043E-05	1.15179E-05	6.60385E-05	0.000129896
6707	7.45899E-05	7.7889E-05	1.71976E-05	6.43456E-05	0.000134604	7.4933E-05	7.79219E-05	1.1667E-05	6.43456E-05	0.000130408
6708	7.38251E-05	7.70916E-05	1.70024E-05	6.39938E-05	0.000120127	7.42788E-05	7.72469E-05	1.14557E-05	6.39938E-05	0.000117034
6709	7.52691E-05	7.86031E-05	1.72717E-05	6.52174E-05	0.000119938	7.57427E-05	7.8771E-05	1.16427E-05	6.52174E-05	0.000116822
6710	7.63876E-05	7.97751E-05	1.7459E-05	6.68126E-05	0.000118938	7.71104E-05	8.02051E-05	1.16075E-05	6.68126E-05	0.00011571
6711	7.95477E-05	8.30779E-05	1.81376E-05	7.01137E-05	0.000132128	8.05031E-05	8.37433E-05	1.19202E-05	7.01137E-05	0.000127649
6712	8.58656E-05	8.96806E-05	1.94999E-05	7.56131E-05	0.000130252	8.68983E-05	9.03976E-05	1.283E-05	7.56131E-05	0.000125563
6713	9.39697E-05	9.81572E-05	2.11234E-05	8.18806E-05	0.000128767	9.48664E-05	9.86816E-05	1.41113E-05	8.18806E-05	0.000123914
6714	0.00010279	0.000107372	2.30902E-05	8.65867E-05	0.000127893	0.000102731	0.00010682	1.6185E-05	8.65867E-05	0.000122945
6715	0.000111309	0.000116259	2.52025E-05	8.91716E-05	9.7737E-05	0.00010957	0.000113857	1.88367E-05	8.91716E-05	9.48693E-05
6716	0.000111008	0.000115935	2.5289E-05	8.6121E-05	6.88623E-05	0.000108238	0.000112425	1.96106E-05	8.6121E-05	6.87648E-05
6717	0.000106885	0.000111653	2.394E-05	7.99435E-05	5.30423E-05	0.000103256	0.000107244	1.88383E-05	7.99435E-05	5.39022E-05
6718	9.91733E-05	0.000103628	2.16825E-05	7.27112E-05	3.87692E-05	9.54105E-05	9.91184E-05	1.69273E-05	7.27112E-05	4.13035E-05
6719	8.76857E-05	9.16313E-05	1.90484E-05	6.56366E-05	3.81216E-05	8.48594E-05	8.81874E-05	1.4417E-05	6.56366E-05	4.05852E-05
6720	7.85086E-05	8.20527E-05	1.68565E-05	6.16667E-05	3.78238E-05	7.7049E-05	8.01259E-05	1.19213E-05	6.16667E-05	4.02559E-05
6721	6.76419E-05	7.07105E-05	1.42622E-05	5.54638E-05	3.78147E-05	6.72734E-05	7.001E-05	9.3503E-06	5.54638E-05	4.0247E-05
6722	6.49577E-05	6.79102E-05	1.35975E-05	5.5008E-05	3.82634E-05	6.5244E-05	6.79285E-05	8.42384E-06	5.5008E-05	4.07484E-05
6723	6.5531E-05	6.8506E-05	1.3778E-05	5.69459E-05	3.94331E-05	6.63102E-05	6.90566E-05	8.17889E-06	5.69459E-05	4.20528E-05
6724	6.9222E-05	7.23584E-05	1.4661E-05	6.13066E-05	4.11899E-05	7.04202E-05	7.33466E-05	8.47832E-06	6.13066E-05	4.40088E-05
6725	7.66099E-05	8.00742E-05	1.63447E-05	6.80089E-05	4.34924E-05	7.7964E-05	8.11968E-05	9.53615E-06	6.80089E-05	4.65689E-05
6726	8.39595E-05	8.7751E-05	1.80034E-05	7.37221E-05	4.38876E-05	8.51393E-05	8.86505E-05	1.08208E-05	7.37221E-05	4.64608E-05
6727	8.56465E-05	8.94754E-05	1.90395E-05	7.60226E-05	0.000134347	8.69703E-05	9.05198E-05	1.18388E-05	7.60226E-05	0.000130688
6728	8.04397E-05	8.39986E-05	1.85302E-05	7.28558E-05	0.000133648	8.20295E-05	8.53528E-05	1.16868E-05	7.28558E-05	0.00012936
6729	7.63459E-05	7.97211E-05	1.76298E-05	6.80612E-05	0.00013394	7.74597E-05	8.05807E-05	1.13992E-05	6.80612E-05	0.000129679
6730	7.5276E-05	7.86035E-05	1.7391E-05	6.60385E-05	0.000134141	7.59967E-05	7.9043E-05	1.15179E-05	6.60385E-05	0.000129896
6731	7.45899E-05	7.7889E-05	1.71976E-05	6.43456E-05	0.000134604	7.4933E-05	7.79219E-05	1.1667E-05	6.43456E-05	0.000130408
6732	7.38251E-05	7.70916E-05	1.70024E-05	6.39938E-05	0.000120127	7.42788E-05	7.72469E-05	1.14557E-05	6.39938E-05	0.000117034
6733	7.52691E-05	7.86031E-05	1.72717E-05	6.52174E-05	0.000119938	7.57427E-05	7.8771E-05	1.16427E-05	6.52174E-05	0.000116822
6734	7.63876E-05	7.97751E-05	1.7459E-05	6.68126E-05	0.000118938	7.71104E-05	8.02051E-05	1.16075E-05	6.68126E-05	0.00011571
6735	7.95477E-05	8.30779E-05	1.81376E-05	7.01137E-05	0.000132128	8.05031E-05	8.37433E-05	1.19202E-05	7.01137E-05	0.000127649
6736	8.58656E-05	8.96806E-05	1.94999E-05	7.56131E-05	0.000130252	8.68983E-05	9.03976E-05	1.283E-05	7.56131E-05	0.000125563
6737	9.39697E-05	9.81572E-05	2.11234E-05	8.18806E-05	0.000128767	9.48664E-05	9.86816E-05	1.41113E-05	8.18806E-05	0.000123914
6738	0.00010279	0.000107372	2.30902E-05	8.65867E-05	0.000127893	0.000102731	0.00010682	1.6185E-05	8.65867E-05	0.000122945
6739	0.000111309	0.000116259	2.52025E-05	8.91716E-05	9.7737E-05	0.00010957	0.000113857	1.88367E-05	8.91716E-05	9.48693E-05
6740	0.000111008	0.000115935	2.5289E-05	8.6121E-05	6.88623E-05	0.000108238	0.000112425	1.96106E-05	8.6121E-05	6.87648E-05
6741	0.000106885	0.000111653	2.394E-05	7.99435E-05	5.30423E-05	0.000103256	0.000107244	1.88383E-05	7.99435E-05	5.39022E-05
6742	9.91733E-05	0.000103628	2.16825E-05	7.27112E-05	3.87692E-05	9.54105E-05	9.91184E-05	1.69273E-05	7.27112E-05	4.13035E-05
6743	8.76857E-05	9.16313E-05	1.90484E-05	6.56366E-05	3.81216E-05	8.48594E-05	8.81874E-05	1.4417E-05	6.56366E-05	4.05852E-05
6744	7.85086E-05	8.20527E-05	1.68565E-05	6.16667E-05	3.78238E-05	7.7049E-05	8.01259E-05	1.19213E-05	6.16667E-05	4.02559E-05
6745	6.7519E-05	7.05817E-05	1.42408E-05	5.53766E-05	3.79734E-05	6.71543E-05	6.98861E-05	9.33106E-06	5.53766E-05	4.04219E-05
6746	6.4961E-05	6.79134E-05	1.36014E-05	5.50307E-05	3.84492E-05	6.52532E-05	6.79382E-05	8.42147E-06	5.50307E-05	4.09534E-05
6747	6.54874E-05	6.84607E-05	1.37649E-05	5.68816E-05	3.96212E-05	6.6258E-05	6.90021E-05	8.17679E-06	5.68816E-05	4.22603E-05
6748	6.92092E-05	7.23454E-05	1.46533E-05	6.12635E-05	4.14141E-05	7.03977E-05	7.33229E-05	8.48113E-06	6.12635E-05	4.42568E-05
6749	7.65672E-05	8.00304E-05	1.6322E-05	6.78856E-05	4.3713E-05	7.78949E-05	8.11242E-05	9.54259E-06	6.78856E-05	4.68131E-05
6750	8.39253E-05	8.77157E-05	1.79887E-05	7.36446E-05	4.41125E-05	8.50903E-05	8.8599E-05	1.08229E-05	7.36446E-05	4.67099E-05
6751	8.73956E-05	9.13191E-05	1.91432E-05	7.63628E-05	0.000134513	8.83867E-05	9.19997E-05	1.19115E-05	7.63628E-05	0.000130872
6752	8.09638E-05	8.45455E-05	1.86572E-05	7.34446E-05	0.000133779	8.26019E-05	8.59499E-05	1.17382E-05	7.34446E-05	0.000129505
6753	7.7417E-05	8.08386E-05	1.7895E-05	6.9299E-05	0.000133981	7.86398E-05	8.18118E-05	1.14994E-05	6.9299E-05	0.000129725
6754	7.6407E-05	7.97834E-05	1.76706E-05	6.73432E-05	0.000134137	7.72421E-05	8.03422E-05	1.1624E-05	6.73432E-05	0.000129894
6755	7.56158E-05	7.89593E-05	1.74514E-05	6.553E-05	0.000134556	7.60629E-05	7.91007E-05	1.17631E-05	6.553E-05	0.000130356

6756	7.4727E-05	7.80335E-05	1.72088E-05	6.49327E-05	0.00012009	7.52418E-05	7.82507E-05	1.15546E-05	6.49327E-05	0.000116994
6757	7.60216E-05	7.93893E-05	1.74372E-05	6.59595E-05	0.0001199	7.65338E-05	7.95954E-05	1.17311E-05	6.59595E-05	0.000116782
6758	7.70419E-05	8.04587E-05	1.76048E-05	6.74698E-05	0.00011887	7.7802E-05	8.09258E-05	1.16827E-05	6.74698E-05	0.000115637
6759	8.03809E-05	8.39481E-05	1.83262E-05	7.0968E-05	0.000132032	8.13889E-05	8.46665E-05	1.20135E-05	7.0968E-05	0.000127545
6760	8.67168E-05	9.05696E-05	1.96949E-05	7.65002E-05	0.000130151	8.78075E-05	9.13453E-05	1.29233E-05	7.65002E-05	0.000125452
6761	9.4633E-05	9.885E-05	2.12737E-05	8.25616E-05	0.000128675	9.55717E-05	9.94168E-05	1.41854E-05	8.25616E-05	0.000123813
6762	0.000103348	0.000107954	2.32194E-05	8.71767E-05	0.000127811	0.00010333	0.000107444	1.6245E-05	8.71767E-05	0.000122855
6763	0.000111641	0.000116605	2.52838E-05	8.95493E-05	9.76835E-05	0.000109935	0.000114237	1.88687E-05	8.95493E-05	9.48107E-05
6764	0.000111518	0.000116468	2.54093E-05	8.66737E-05	6.87993E-05	0.00010879	0.000113	1.96636E-05	8.66737E-05	6.86957E-05
6765	0.00010579	0.000110492	2.39926E-05	8.03247E-05	5.29518E-05	0.00010255	0.000106505	1.88316E-05	8.03247E-05	5.38025E-05
6766	9.97041E-05	0.000104182	2.18129E-05	7.33183E-05	3.86816E-05	9.59934E-05	9.97264E-05	1.69778E-05	7.33183E-05	4.12073E-05
6767	8.82731E-05	9.22445E-05	1.91869E-05	6.6273E-05	3.80321E-05	8.5494E-05	8.88491E-05	1.4478E-05	6.6273E-05	4.04869E-05
6768	7.89596E-05	8.25234E-05	1.69643E-05	6.21641E-05	3.76891E-05	7.75388E-05	8.06367E-05	1.19669E-05	6.21641E-05	4.01076E-05
6769	6.7519E-05	7.05817E-05	1.42408E-05	5.53766E-05	3.79734E-05	6.71543E-05	6.98861E-05	9.33106E-06	5.53766E-05	4.04219E-05
6770	6.4961E-05	6.79134E-05	1.36014E-05	5.50307E-05	3.84492E-05	6.52532E-05	6.79382E-05	8.42147E-06	5.50307E-05	4.09534E-05
6771	6.54874E-05	6.84607E-05	1.37649E-05	5.68816E-05	3.96212E-05	6.6258E-05	6.90021E-05	8.17679E-06	5.68816E-05	4.22603E-05
6772	6.92092E-05	7.23454E-05	1.46533E-05	6.12635E-05	4.14141E-05	7.03977E-05	7.33229E-05	8.48113E-06	6.12635E-05	4.42568E-05
6773	7.65672E-05	8.00304E-05	1.6322E-05	6.78856E-05	4.3713E-05	7.78949E-05	8.11242E-05	9.54259E-06	6.78856E-05	4.68131E-05
6774	8.39253E-05	8.77157E-05	1.79887E-05	7.36446E-05	4.41125E-05	8.50903E-05	8.8599E-05	1.08229E-05	7.36446E-05	4.67099E-05
6775	8.73956E-05	9.13191E-05	1.91432E-05	7.63628E-05	0.000134513	8.83867E-05	9.19997E-05	1.19115E-05	7.63628E-05	0.000130872
6776	8.09638E-05	8.45455E-05	1.86572E-05	7.34446E-05	0.000133779	8.26019E-05	8.59499E-05	1.17382E-05	7.34446E-05	0.000129505
6777	7.7417E-05	8.08386E-05	1.7895E-05	6.9299E-05	0.000133981	7.86398E-05	8.18118E-05	1.14994E-05	6.9299E-05	0.000129725
6778	7.6407E-05	7.97834E-05	1.76706E-05	6.73432E-05	0.000134137	7.72421E-05	8.03422E-05	1.1624E-05	6.73432E-05	0.000129894
6779	7.56158E-05	7.89593E-05	1.74514E-05	6.553E-05	0.000134556	7.60629E-05	7.91007E-05	1.17631E-05	6.553E-05	0.000130356
6780	7.4727E-05	7.80335E-05	1.72088E-05	6.49327E-05	0.00012009	7.52418E-05	7.82507E-05	1.15546E-05	6.49327E-05	0.000116994
6781	7.60216E-05	7.93893E-05	1.74372E-05	6.59595E-05	0.0001199	7.65338E-05	7.95954E-05	1.17311E-05	6.59595E-05	0.000116782
6782	7.70419E-05	8.04587E-05	1.76048E-05	6.74698E-05	0.00011887	7.7802E-05	8.09258E-05	1.16827E-05	6.74698E-05	0.000115637
6783	8.03809E-05	8.39481E-05	1.83262E-05	7.0968E-05	0.000132032	8.13889E-05	8.46665E-05	1.20135E-05	7.0968E-05	0.000127545
6784	8.67168E-05	9.05696E-05	1.96949E-05	7.65002E-05	0.000130151	8.78075E-05	9.13453E-05	1.29233E-05	7.65002E-05	0.000125452
6785	9.4633E-05	9.885E-05	2.12737E-05	8.25616E-05	0.000128675	9.55717E-05	9.94168E-05	1.41854E-05	8.25616E-05	0.000123813
6786	0.000103348	0.000107954	2.32194E-05	8.71767E-05	0.000127811	0.00010333	0.000107444	1.6245E-05	8.71767E-05	0.000122855
6787	0.000111641	0.000116605	2.52838E-05	8.95493E-05	9.76835E-05	0.000109935	0.000114237	1.88687E-05	8.95493E-05	9.48107E-05
6788	0.000111518	0.000116468	2.54093E-05	8.66737E-05	6.87993E-05	0.00010879	0.000113	1.96636E-05	8.66737E-05	6.86957E-05
6789	0.00010579	0.000110492	2.39926E-05	8.03247E-05	5.29518E-05	0.00010255	0.000106505	1.88316E-05	8.03247E-05	5.38025E-05
6790	9.97041E-05	0.000104182	2.18129E-05	7.33183E-05	3.86816E-05	9.59934E-05	9.97264E-05	1.69778E-05	7.33183E-05	4.12073E-05
6791	8.82731E-05	9.22445E-05	1.91869E-05	6.6273E-05	3.80321E-05	8.5494E-05	8.88491E-05	1.4478E-05	6.6273E-05	4.04869E-05
6792	7.89596E-05	8.25234E-05	1.69643E-05	6.21641E-05	3.76891E-05	7.75388E-05	8.06367E-05	1.19669E-05	6.21641E-05	4.01076E-05
6793	6.76419E-05	7.07105E-05	1.42622E-05	5.54638E-05	3.78147E-05	6.72734E-05	7.001E-05	9.3503E-06	5.54638E-05	4.0247E-05
6794	6.49577E-05	6.79102E-05	1.35975E-05	5.5008E-05	3.82634E-05	6.5244E-05	6.79285E-05	8.42384E-06	5.5008E-05	4.07484E-05
6795	6.5531E-05	6.8506E-05	1.3778E-05	5.69459E-05	3.94331E-05	6.63102E-05	6.90566E-05	8.17889E-06	5.69459E-05	4.20528E-05
6796	6.9222E-05	7.23584E-05	1.4661E-05	6.13066E-05	4.11899E-05	7.04202E-05	7.33466E-05	8.47832E-06	6.13066E-05	4.40088E-05
6797	7.66099E-05	8.00742E-05	1.63447E-05	6.80089E-05	4.34924E-05	7.7964E-05	8.11968E-05	9.53615E-06	6.80089E-05	4.65689E-05
6798	8.39595E-05	8.7751E-05	1.80034E-05	7.37221E-05	4.38876E-05	8.51393E-05	8.86505E-05	1.08208E-05	7.37221E-05	4.64608E-05
6799	8.56465E-05	8.94754E-05	1.90395E-05	7.60226E-05	0.000134347	8.69703E-05	9.05198E-05	1.18388E-05	7.60226E-05	0.000130688
6800	8.04397E-05	8.39986E-05	1.85302E-05	7.28558E-05	0.000133648	8.20295E-05	8.53528E-05	1.16868E-05	7.28558E-05	0.00012936
6801	7.63459E-05	7.97211E-05	1.76298E-05	6.80612E-05	0.00013394	7.74597E-05	8.05807E-05	1.13992E-05	6.80612E-05	0.000129679
6802	7.5276E-05	7.86035E-05	1.7391E-05	6.60385E-05	0.000134141	7.59967E-05	7.9043E-05	1.15179E-05	6.60385E-05	0.000129896
6803	7.45899E-05	7.7889E-05	1.71976E-05	6.43456E-05	0.000134604	7.4933E-05	7.79219E-05	1.1667E-05	6.43456E-05	0.000130408
6804	7.38251E-05	7.70916E-05	1.70024E-05	6.39938E-05	0.000120127	7.42788E-05	7.72469E-05	1.14557E-05	6.39938E-05	0.000117034
6805	7.52691E-05	7.86031E-05	1.72717E-05	6.52174E-05	0.000119938	7.57427E-05	7.8771E-05	1.16427E-05	6.52174E-05	0.000116822
6806	7.63876E-05	7.97751E-05	1.7459E-05	6.68126E-05	0.000118938	7.71104E-05	8.02051E-05	1.16075E-05	6.68126E-05	0.00011571
6807	7.95477E-05	8.30779E-05	1.81376E-05	7.01137E-05	0.000132128	8.05031E-05	8.37433E-05	1.19202E-05	7.01137E-05	0.000127649
6808	8.58656E-05	8.96806E-05	1.94999E-05	7.56131E-05	0.000130252	8.68983E-05	9.03976E-05	1.283E-05	7.56131E-05	0.000125563
6809	9.39697E-05	9.81572E-05	2.11234E-05	8.18806E-05	0.000128767	9.48664E-05	9.86816E-05	1.41113E-05	8.18806E-05	0.000123914
6810	0.00010279	0.000107372	2.30902E-05	8.65867E-05	0.000127893	0.000102731	0.00010682	1.6185E-05	8.65867E-05	0.000122945
6811	0.000111309	0.000116259	2.52025E-05	8.91716E-05	9.7737E-05	0.00010957	0.000113857	1.88367E-05	8.91716E-05	9.48693E-05
6812	0.000111008	0.000115935	2.5289E-05	8.6121E-05	6.88623E-05	0.000108238	0.000112425	1.96106E-05	8.6121E-05	6.87648E-05
6813	0.000106885	0.000111653	2.394E-05	7.99435E-05	5.30423E-05	0.000103256	0.000107244	1.88383E-05	7.99435E-05	5.39022E-05
6814	9.91733E-05	0.000103628	2.16825E-05	7.27112E-05	3.87692E-05	9.54105E-05	9.91184E-05	1.69273E-05	7.27112E-05	4.13035E-05
6815	8.76857E-05	9.16313E-05	1.90484E-05	6.56366E-05	3.81216E-05	8.48594E-05	8.81874E-05	1.4417E-05	6.56366E-05	4.05852E-05
6816	7.85086E-05	8.20527E-05	1.68565E-05	6.16667E-05	3.78238E-05	7.7049E-05	8.01259E-05	1.19213E-05	6.16667E-05	4.02559E-05
6817	6.76419E-05	7.07105E-05	1.42622E-05	5.54638E-05	3.78147E-05	6.72734E-05	7.001E-05	9.3503E-06	5.54638E-05	4.0247E-05
6818	6.49577E-05	6.79102E-05	1.35975E-05	5.5008E-05	3.82634E-05	6.5244E-05	6.79285E-05	8.42384E-06	5.5008E-05	4.07484E-05
6819	6.5531E-05	6.8506E-05	1.3778E-05	5.69459E-05	3.94331E-05	6.63102E-05	6.90566E-05	8.17889E-06	5.69459E-05	4.20528E-05
6820	6.9222E-05	7.23584E-05	1.4661E-05	6.13066E-05	4.11899E-05	7.04202E-05	7.33466E-05	8.47832E-06	6.13066E-05	4.40088E-05
6821	7.66099E-05	8.00742E-05	1.63447E-05	6.80089E-05	4.34924E-05	7.7964E-05	8.11968E-05	9.53615E-06	6.80089E-05	4.65689E-05
6822	8.39595E-05	8.7751E-05	1.80034E-05	7.37221E-05	4.38876E-05	8.51393E-05	8.86505E-05	1.08208E-05	7.37221E-05	4.64608E-05
6823	8.56465E-05	8.94754E-05	1.90395E-05	7.60226E-05	0.000134347	8.69703E-05	9.05198E-05	1.18388E-05	7.60226E-05	0.000130688
6824	8.04397E-05	8.39986E-05	1.85302E-05	7.28558E-05	0.000133648	8.20295E-05	8.53528E-05	1.16868E-05	7.28558E-05	0.00012936
6825	7.63459E-05	7.97211E-05	1.76298E-05	6.80612E-05	0.00013394	7.74597E-05	8.05807E-05	1.13992E-05	6.80612E-05	0.000129679
6826	7.5276E-05	7.86035E-05	1.7391E-05	6.60385E-05	0.000134141	7.59967E-05	7.9043E-05	1.15179E-05	6.60385E-05	0.000129896
6827	7.45899E-05	7.7889E-05	1.71976E-05	6.43456E-05	0.000134604	7.4933E-05	7.79219E-05	1.1667E-05	6.43456E-05	0.000130408
6828	7.38251E-05	7.70916E-05	1.70024E-05	6.39938E-05	0.000120127	7.42788E-05	7.72469E-05	1.14557E-05	6.39938E-05	0.000117034
6829	7.52691E-05	7.86031E-05	1.72717E-05	6.52174E-05	0.000119938	7.57427E-05	7.8771E-05	1.16427E-05	6.52174E-05	0.000116822
6830	7.63876E-05	7.97751E-05	1.7459E-05	6.68126E-05	0.000118938	7.71104E-05	8.02051E-05	1.16075E-05	6.68126E-05	0.00011571
6831	7.95477E-05	8.30779E-05	1.81376E-05	7.01137E-05	0.000132128	8.05031E-05	8.37433E-05	1.19202E-05	7.01137E-05	0.000127649

6832	8.58656E-05	8.96806E-05	1.94999E-05	7.56131E-05	0.000130252	8.68983E-05	9.03976E-05	1.283E-05	7.56131E-05	0.000125563
6833	9.39697E-05	9.81572E-05	2.11234E-05	8.18806E-05	0.000128767	9.48664E-05	9.86816E-05	1.41113E-05	8.18806E-05	0.000123914
6834	0.00010279	0.000107372	2.30902E-05	8.65867E-05	0.000127893	0.000102731	0.00010682	1.6185E-05	8.65867E-05	0.000122945
6835	0.000111309	0.000116259	2.52025E-05	8.91716E-05	9.7737E-05	0.00010957	0.000113857	1.88367E-05	8.91716E-05	9.48693E-05
6836	0.000111008	0.000115935	2.5289E-05	8.6121E-05	6.88623E-05	0.000108238	0.000112425	1.96106E-05	8.6121E-05	6.87648E-05
6837	0.000106885	0.000111653	2.394E-05	7.99435E-05	5.30423E-05	0.000103256	0.000107244	1.88383E-05	7.99435E-05	5.39022E-05
6838	9.91733E-05	0.000103628	2.16825E-05	7.27112E-05	3.87692E-05	9.54105E-05	9.91184E-05	1.69273E-05	7.27112E-05	4.13035E-05
6839	8.76857E-05	9.16313E-05	1.90484E-05	6.56366E-05	3.81216E-05	8.48594E-05	8.81874E-05	1.4417E-05	6.56366E-05	4.05852E-05
6840	7.85086E-05	8.20527E-05	1.68565E-05	6.16667E-05	3.78238E-05	7.7049E-05	8.01259E-05	1.19213E-05	6.16667E-05	4.02559E-05
6841	6.76419E-05	7.07105E-05	1.42622E-05	5.54638E-05	3.78147E-05	6.72734E-05	7.001E-05	9.3503E-06	5.54638E-05	4.0247E-05
6842	6.49577E-05	6.79102E-05	1.35975E-05	5.5008E-05	3.82634E-05	6.5244E-05	6.79285E-05	8.42384E-06	5.5008E-05	4.07484E-05
6843	6.5531E-05	6.8506E-05	1.3778E-05	5.69459E-05	3.94331E-05	6.63102E-05	6.90566E-05	8.17889E-06	5.69459E-05	4.20528E-05
6844	6.9222E-05	7.23584E-05	1.4661E-05	6.13066E-05	4.11899E-05	7.04202E-05	7.33466E-05	8.47832E-06	6.13066E-05	4.40088E-05
6845	7.66099E-05	8.00742E-05	1.63447E-05	6.80089E-05	4.34924E-05	7.7964E-05	8.11968E-05	9.53615E-06	6.80089E-05	4.65689E-05
6846	8.39595E-05	8.7751E-05	1.80034E-05	7.37221E-05	4.38876E-05	8.51393E-05	8.86505E-05	1.08208E-05	7.37221E-05	4.64608E-05
6847	8.56465E-05	8.94754E-05	1.90395E-05	7.60226E-05	0.000134347	8.69703E-05	9.05198E-05	1.18388E-05	7.60226E-05	0.000130688
6848	8.04397E-05	8.39986E-05	1.85302E-05	7.28558E-05	0.000133648	8.20295E-05	8.53528E-05	1.16868E-05	7.28558E-05	0.00012936
6849	7.63459E-05	7.97211E-05	1.76298E-05	6.80612E-05	0.00013394	7.74597E-05	8.05807E-05	1.13992E-05	6.80612E-05	0.000129679
6850	7.5276E-05	7.86035E-05	1.7391E-05	6.60385E-05	0.000134141	7.59967E-05	7.9043E-05	1.15179E-05	6.60385E-05	0.000129896
6851	7.45899E-05	7.7889E-05	1.71976E-05	6.43456E-05	0.000134604	7.4933E-05	7.79219E-05	1.1667E-05	6.43456E-05	0.000130408
6852	7.38251E-05	7.70916E-05	1.70024E-05	6.39938E-05	0.000120127	7.42788E-05	7.72469E-05	1.14557E-05	6.39938E-05	0.000117034
6853	7.52691E-05	7.86031E-05	1.72717E-05	6.52174E-05	0.000119938	7.57427E-05	7.8771E-05	1.16427E-05	6.52174E-05	0.000116822
6854	7.63876E-05	7.97751E-05	1.7459E-05	6.68126E-05	0.000118938	7.71104E-05	8.02051E-05	1.16075E-05	6.68126E-05	0.00011571
6855	7.95477E-05	8.30779E-05	1.81376E-05	7.01137E-05	0.000132128	8.05031E-05	8.37433E-05	1.19202E-05	7.01137E-05	0.000127649
6856	8.58656E-05	8.96806E-05	1.94999E-05	7.56131E-05	0.000130252	8.68983E-05	9.03976E-05	1.283E-05	7.56131E-05	0.000125563
6857	9.39697E-05	9.81572E-05	2.11234E-05	8.18806E-05	0.000128767	9.48664E-05	9.86816E-05	1.41113E-05	8.18806E-05	0.000123914
6858	0.00010279	0.000107372	2.30902E-05	8.65867E-05	0.000127893	0.000102731	0.00010682	1.6185E-05	8.65867E-05	0.000122945
6859	0.000111309	0.000116259	2.52025E-05	8.91716E-05	9.7737E-05	0.00010957	0.000113857	1.88367E-05	8.91716E-05	9.48693E-05
6860	0.000111008	0.000115935	2.5289E-05	8.6121E-05	6.88623E-05	0.000108238	0.000112425	1.96106E-05	8.6121E-05	6.87648E-05
6861	0.000106885	0.000111653	2.394E-05	7.99435E-05	5.30423E-05	0.000103256	0.000107244	1.88383E-05	7.99435E-05	5.39022E-05
6862	9.91733E-05	0.000103628	2.16825E-05	7.27112E-05	3.87692E-05	9.54105E-05	9.91184E-05	1.69273E-05	7.27112E-05	4.13035E-05
6863	8.76857E-05	9.16313E-05	1.90484E-05	6.56366E-05	3.81216E-05	8.48594E-05	8.81874E-05	1.4417E-05	6.56366E-05	4.05852E-05
6864	7.85086E-05	8.20527E-05	1.68565E-05	6.16667E-05	3.78238E-05	7.7049E-05	8.01259E-05	1.19213E-05	6.16667E-05	4.02559E-05
6865	6.76419E-05	7.07105E-05	1.42622E-05	5.54638E-05	3.78147E-05	6.72734E-05	7.001E-05	9.3503E-06	5.54638E-05	4.0247E-05
6866	6.49577E-05	6.79102E-05	1.35975E-05	5.5008E-05	3.82634E-05	6.5244E-05	6.79285E-05	8.42384E-06	5.5008E-05	4.07484E-05
6867	6.5531E-05	6.8506E-05	1.3778E-05	5.69459E-05	3.94331E-05	6.63102E-05	6.90566E-05	8.17889E-06	5.69459E-05	4.20528E-05
6868	6.9222E-05	7.23584E-05	1.4661E-05	6.13066E-05	4.11899E-05	7.04202E-05	7.33466E-05	8.47832E-06	6.13066E-05	4.40088E-05
6869	7.66099E-05	8.00742E-05	1.63447E-05	6.80089E-05	4.34924E-05	7.7964E-05	8.11968E-05	9.53615E-06	6.80089E-05	4.65689E-05
6870	8.39595E-05	8.7751E-05	1.80034E-05	7.37221E-05	4.38876E-05	8.51393E-05	8.86505E-05	1.08208E-05	7.37221E-05	4.64608E-05
6871	8.56465E-05	8.94754E-05	1.90395E-05	7.60226E-05	0.000134347	8.69703E-05	9.05198E-05	1.18388E-05	7.60226E-05	0.000130688
6872	8.04397E-05	8.39986E-05	1.85302E-05	7.28558E-05	0.000133648	8.20295E-05	8.53528E-05	1.16868E-05	7.28558E-05	0.00012936
6873	7.63459E-05	7.97211E-05	1.76298E-05	6.80612E-05	0.00013394	7.74597E-05	8.05807E-05	1.13992E-05	6.80612E-05	0.000129679
6874	7.5276E-05	7.86035E-05	1.7391E-05	6.60385E-05	0.000134141	7.59967E-05	7.9043E-05	1.15179E-05	6.60385E-05	0.000129896
6875	7.45899E-05	7.7889E-05	1.71976E-05	6.43456E-05	0.000134604	7.4933E-05	7.79219E-05	1.1667E-05	6.43456E-05	0.000130408
6876	7.38251E-05	7.70916E-05	1.70024E-05	6.39938E-05	0.000120127	7.42788E-05	7.72469E-05	1.14557E-05	6.39938E-05	0.000117034
6877	7.52691E-05	7.86031E-05	1.72717E-05	6.52174E-05	0.000119938	7.57427E-05	7.8771E-05	1.16427E-05	6.52174E-05	0.000116822
6878	7.63876E-05	7.97751E-05	1.7459E-05	6.68126E-05	0.000118938	7.71104E-05	8.02051E-05	1.16075E-05	6.68126E-05	0.00011571
6879	7.95477E-05	8.30779E-05	1.81376E-05	7.01137E-05	0.000132128	8.05031E-05	8.37433E-05	1.19202E-05	7.01137E-05	0.000127649
6880	8.58656E-05	8.96806E-05	1.94999E-05	7.56131E-05	0.000130252	8.68983E-05	9.03976E-05	1.283E-05	7.56131E-05	0.000125563
6881	9.39697E-05	9.81572E-05	2.11234E-05	8.18806E-05	0.000128767	9.48664E-05	9.86816E-05	1.41113E-05	8.18806E-05	0.000123914
6882	0.00010279	0.000107372	2.30902E-05	8.65867E-05	0.000127893	0.000102731	0.00010682	1.6185E-05	8.65867E-05	0.000122945
6883	0.000111309	0.000116259	2.52025E-05	8.91716E-05	9.7737E-05	0.00010957	0.000113857	1.88367E-05	8.91716E-05	9.48693E-05
6884	0.000111008	0.000115935	2.5289E-05	8.6121E-05	6.88623E-05	0.000108238	0.000112425	1.96106E-05	8.6121E-05	6.87648E-05
6885	0.000106885	0.000111653	2.394E-05	7.99435E-05	5.30423E-05	0.000103256	0.000107244	1.88383E-05	7.99435E-05	5.39022E-05
6886	9.91733E-05	0.000103628	2.16825E-05	7.27112E-05	3.87692E-05	9.54105E-05	9.91184E-05	1.69273E-05	7.27112E-05	4.13035E-05
6887	8.76857E-05	9.16313E-05	1.90484E-05	6.56366E-05	3.81216E-05	8.48594E-05	8.81874E-05	1.4417E-05	6.56366E-05	4.05852E-05
6888	7.85086E-05	8.20527E-05	1.68565E-05	6.16667E-05	3.78238E-05	7.7049E-05	8.01259E-05	1.19213E-05	6.16667E-05	4.02559E-05
6889	6.76419E-05	7.07105E-05	1.42622E-05	5.54638E-05	3.78147E-05	6.72734E-05	7.001E-05	9.3503E-06	5.54638E-05	4.0247E-05
6890	6.49577E-05	6.79102E-05	1.35975E-05	5.5008E-05	3.82634E-05	6.5244E-05	6.79285E-05	8.42384E-06	5.5008E-05	4.07484E-05
6891	6.5531E-05	6.8506E-05	1.3778E-05	5.69459E-05	3.94331E-05	6.63102E-05	6.90566E-05	8.17889E-06	5.69459E-05	4.20528E-05
6892	6.9222E-05	7.23584E-05	1.4661E-05	6.13066E-05	4.11899E-05	7.04202E-05	7.33466E-05	8.47832E-06	6.13066E-05	4.40088E-05
6893	7.66099E-05	8.00742E-05	1.63447E-05	6.80089E-05	4.34924E-05	7.7964E-05	8.11968E-05	9.53615E-06	6.80089E-05	4.65689E-05
6894	8.39595E-05	8.7751E-05	1.80034E-05	7.37221E-05	4.38876E-05	8.51393E-05	8.86505E-05	1.08208E-05	7.37221E-05	4.64608E-05
6895	8.56465E-05	8.94754E-05	1.90395E-05	7.60226E-05	0.000134347	8.69703E-05	9.05198E-05	1.18388E-05	7.60226E-05	0.000130688
6896	8.04397E-05	8.39986E-05	1.85302E-05	7.28558E-05	0.000133648	8.20295E-05	8.53528E-05	1.16868E-05	7.28558E-05	0.00012936
6897	7.63459E-05	7.97211E-05	1.76298E-05	6.80612E-05	0.00013394	7.74597E-05	8.05807E-05	1.13992E-05	6.80612E-05	0.000129679
6898	7.5276E-05	7.86035E-05	1.7391E-05	6.60385E-05	0.000134141	7.59967E-05	7.9043E-05	1.15179E-05	6.60385E-05	0.000129896
6899	7.45899E-05	7.7889E-05	1.71976E-05	6.43456E-05	0.000134604	7.4933E-05	7.79219E-05	1.1667E-05	6.43456E-05	0.000130408
6900	7.38251E-05	7.70916E-05	1.70024E-05	6.39938E-05	0.000120127	7.42788E-05	7.72469E-05	1.14557E-05	6.39938E-05	0.000117034
6901	7.52691E-05	7.86031E-05	1.72717E-05	6.52174E-05	0.000119938	7.57427E-05	7.8771E-05	1.16427E-05	6.52174E-05	0.000116822
6902	7.63876E-05	7.97751E-05	1.7459E-05	6.68126E-05	0.000118938	7.71104E-05	8.02051E-05	1.16075E-05	6.68126E-05	0.00011571
6903	7.95477E-05	8.30779E-05	1.81376E-05	7.01137E-05	0.000132128	8.05031E-05	8.37433E-05	1.19202E-05	7.01137E-05	0.000127649
6904	8.58656E-05	8.96806E-05	1.94999E-05	7.56131E-05	0.000130252	8.68983E-05	9.03976E-05	1.283E-05	7.56131E-05	0.000125563
6905	9.39697E-05	9.81572E-05	2.11234E-05	8.18806E-05	0.000128767	9.48664E-05	9.86816E-05	1.41113E-05	8.18806E-05	0.000123914
6906	0.00010279	0.000107372	2.30902E-05	8.65867E-05	0.000127893	0.000102731	0.00010682	1.6185E-05	8.65867E-05	0.000122945
6907	0.000111309	0.000116259	2.52025E-05	8.91716E-05	9.7737E-05	0.00010957	0.000113857	1.88367E-05	8.91716E-05	9.48693E-05

6908	0.000111008	0.000115935	2.5289E-05	8.6121E-05	6.88623E-05	0.000108238	0.000112425	1.96106E-05	8.6121E-05	6.87648E-05
6909	0.000106885	0.000111653	2.394E-05	7.99435E-05	5.30423E-05	0.000103256	0.000107244	1.88383E-05	7.99435E-05	5.39022E-05
6910	9.91733E-05	0.000103628	2.16825E-05	7.27112E-05	3.87692E-05	9.54105E-05	9.91184E-05	1.69273E-05	7.27112E-05	4.13035E-05
6911	8.76857E-05	9.16313E-05	1.90484E-05	6.56366E-05	3.81216E-05	8.48594E-05	8.81874E-05	1.4417E-05	6.56366E-05	4.05852E-05
6912	7.85086E-05	8.20527E-05	1.68565E-05	6.16667E-05	3.78238E-05	7.7049E-05	8.01259E-05	1.19213E-05	6.16667E-05	4.02559E-05
6913	6.7519E-05	7.05817E-05	1.42408E-05	5.53766E-05	3.79734E-05	6.71543E-05	6.98861E-05	9.33106E-06	5.53766E-05	4.04219E-05
6914	6.4961E-05	6.79134E-05	1.36014E-05	5.50307E-05	3.84492E-05	6.52532E-05	6.79382E-05	8.42147E-06	5.50307E-05	4.09534E-05
6915	6.54874E-05	6.84607E-05	1.37649E-05	5.68816E-05	3.96212E-05	6.6258E-05	6.90021E-05	8.17679E-06	5.68816E-05	4.22603E-05
6916	6.92092E-05	7.23454E-05	1.46533E-05	6.12635E-05	4.14141E-05	7.03977E-05	7.33229E-05	8.48113E-06	6.12635E-05	4.42568E-05
6917	7.65672E-05	8.00304E-05	1.6322E-05	6.78856E-05	4.3713E-05	7.78949E-05	8.11242E-05	9.54259E-06	6.78856E-05	4.68131E-05
6918	8.39253E-05	8.77157E-05	1.79887E-05	7.36446E-05	4.41125E-05	8.50903E-05	8.8599E-05	1.08229E-05	7.36446E-05	4.67099E-05
6919	8.73956E-05	9.13191E-05	1.91432E-05	7.63628E-05	0.000134513	8.83867E-05	9.19997E-05	1.19115E-05	7.63628E-05	0.000130872
6920	8.09638E-05	8.45455E-05	1.86572E-05	7.34446E-05	0.000133779	8.26019E-05	8.59499E-05	1.17382E-05	7.34446E-05	0.000129505
6921	7.7417E-05	8.08386E-05	1.7895E-05	6.9299E-05	0.000133981	7.86398E-05	8.18118E-05	1.14994E-05	6.9299E-05	0.000129725
6922	7.6407E-05	7.97834E-05	1.76706E-05	6.73432E-05	0.000134137	7.72421E-05	8.03422E-05	1.1624E-05	6.73432E-05	0.000129894
6923	7.56158E-05	7.89593E-05	1.74514E-05	6.553E-05	0.000134556	7.60629E-05	7.91007E-05	1.17631E-05	6.553E-05	0.000130356
6924	7.4727E-05	7.80335E-05	1.72088E-05	6.49327E-05	0.00012009	7.52418E-05	7.82507E-05	1.15546E-05	6.49327E-05	0.000116994
6925	7.60216E-05	7.93893E-05	1.74372E-05	6.59595E-05	0.0001199	7.65338E-05	7.95954E-05	1.17311E-05	6.59595E-05	0.000116782
6926	7.70419E-05	8.04587E-05	1.76048E-05	6.74698E-05	0.00011887	7.7802E-05	8.09258E-05	1.16827E-05	6.74698E-05	0.000115637
6927	8.03809E-05	8.39481E-05	1.83262E-05	7.0968E-05	0.000132032	8.13889E-05	8.46665E-05	1.20135E-05	7.0968E-05	0.000127545
6928	8.67168E-05	9.05696E-05	1.96949E-05	7.65002E-05	0.000130151	8.78075E-05	9.13453E-05	1.29233E-05	7.65002E-05	0.000125452
6929	9.4633E-05	9.885E-05	2.12737E-05	8.25616E-05	0.000128675	9.55717E-05	9.94168E-05	1.41854E-05	8.25616E-05	0.000123813
6930	0.000103348	0.000107954	2.32194E-05	8.71767E-05	0.000127811	0.00010333	0.000107444	1.6245E-05	8.71767E-05	0.000122855
6931	0.000111641	0.000116605	2.52838E-05	8.95493E-05	9.76835E-05	0.000109935	0.000114237	1.88687E-05	8.95493E-05	9.48107E-05
6932	0.000111518	0.000116468	2.54093E-05	8.66737E-05	6.87993E-05	0.00010879	0.000113	1.96636E-05	8.66737E-05	6.86957E-05
6933	0.00010579	0.000110492	2.39926E-05	8.03247E-05	5.29518E-05	0.00010255	0.000106505	1.88316E-05	8.03247E-05	5.38025E-05
6934	9.97041E-05	0.000104182	2.18129E-05	7.33183E-05	3.86816E-05	9.59934E-05	9.97264E-05	1.69778E-05	7.33183E-05	4.12073E-05
6935	8.82731E-05	9.22445E-05	1.91869E-05	6.6273E-05	3.80321E-05	8.5494E-05	8.88491E-05	1.4478E-05	6.6273E-05	4.04869E-05
6936	7.89596E-05	8.25234E-05	1.69643E-05	6.21641E-05	3.76891E-05	7.75388E-05	8.06367E-05	1.19669E-05	6.21641E-05	4.01076E-05
6937	6.7519E-05	7.05817E-05	1.42408E-05	5.53766E-05	3.79734E-05	6.71543E-05	6.98861E-05	9.33106E-06	5.53766E-05	4.04219E-05
6938	6.4961E-05	6.79134E-05	1.36014E-05	5.50307E-05	3.84492E-05	6.52532E-05	6.79382E-05	8.42147E-06	5.50307E-05	4.09534E-05
6939	6.54874E-05	6.84607E-05	1.37649E-05	5.68816E-05	3.96212E-05	6.6258E-05	6.90021E-05	8.17679E-06	5.68816E-05	4.22603E-05
6940	6.92092E-05	7.23454E-05	1.46533E-05	6.12635E-05	4.14141E-05	7.03977E-05	7.33229E-05	8.48113E-06	6.12635E-05	4.42568E-05
6941	7.65672E-05	8.00304E-05	1.6322E-05	6.78856E-05	4.3713E-05	7.78949E-05	8.11242E-05	9.54259E-06	6.78856E-05	4.68131E-05
6942	8.39253E-05	8.77157E-05	1.79887E-05	7.36446E-05	4.41125E-05	8.50903E-05	8.8599E-05	1.08229E-05	7.36446E-05	4.67099E-05
6943	8.73956E-05	9.13191E-05	1.91432E-05	7.63628E-05	0.000134513	8.83867E-05	9.19997E-05	1.19115E-05	7.63628E-05	0.000130872
6944	8.09638E-05	8.45455E-05	1.86572E-05	7.34446E-05	0.000133779	8.26019E-05	8.59499E-05	1.17382E-05	7.34446E-05	0.000129505
6945	7.7417E-05	8.08386E-05	1.7895E-05	6.9299E-05	0.000133981	7.86398E-05	8.18118E-05	1.14994E-05	6.9299E-05	0.000129725
6946	7.6407E-05	7.97834E-05	1.76706E-05	6.73432E-05	0.000134137	7.72421E-05	8.03422E-05	1.1624E-05	6.73432E-05	0.000129894
6947	7.56158E-05	7.89593E-05	1.74514E-05	6.553E-05	0.000134556	7.60629E-05	7.91007E-05	1.17631E-05	6.553E-05	0.000130356
6948	7.4727E-05	7.80335E-05	1.72088E-05	6.49327E-05	0.00012009	7.52418E-05	7.82507E-05	1.15546E-05	6.49327E-05	0.000116994
6949	7.60216E-05	7.93893E-05	1.74372E-05	6.59595E-05	0.0001199	7.65338E-05	7.95954E-05	1.17311E-05	6.59595E-05	0.000116782
6950	7.70419E-05	8.04587E-05	1.76048E-05	6.74698E-05	0.00011887	7.7802E-05	8.09258E-05	1.16827E-05	6.74698E-05	0.000115637
6951	8.03809E-05	8.39481E-05	1.83262E-05	7.0968E-05	0.000132032	8.13889E-05	8.46665E-05	1.20135E-05	7.0968E-05	0.000127545
6952	8.67168E-05	9.05696E-05	1.96949E-05	7.65002E-05	0.000130151	8.78075E-05	9.13453E-05	1.29233E-05	7.65002E-05	0.000125452
6953	9.4633E-05	9.885E-05	2.12737E-05	8.25616E-05	0.000128675	9.55717E-05	9.94168E-05	1.41854E-05	8.25616E-05	0.000123813
6954	0.000103348	0.000107954	2.32194E-05	8.71767E-05	0.000127811	0.00010333	0.000107444	1.6245E-05	8.71767E-05	0.000122855
6955	0.000111641	0.000116605	2.52838E-05	8.95493E-05	9.76835E-05	0.000109935	0.000114237	1.88687E-05	8.95493E-05	9.48107E-05
6956	0.000111518	0.000116468	2.54093E-05	8.66737E-05	6.87993E-05	0.00010879	0.000113	1.96636E-05	8.66737E-05	6.86957E-05
6957	0.00010579	0.000110492	2.39926E-05	8.03247E-05	5.29518E-05	0.00010255	0.000106505	1.88316E-05	8.03247E-05	5.38025E-05
6958	9.97041E-05	0.000104182	2.18129E-05	7.33183E-05	3.86816E-05	9.59934E-05	9.97264E-05	1.69778E-05	7.33183E-05	4.12073E-05
6959	8.82731E-05	9.22445E-05	1.91869E-05	6.6273E-05	3.80321E-05	8.5494E-05	8.88491E-05	1.4478E-05	6.6273E-05	4.04869E-05
6960	7.89596E-05	8.25234E-05	1.69643E-05	6.21641E-05	3.76891E-05	7.75388E-05	8.06367E-05	1.19669E-05	6.21641E-05	4.01076E-05
6961	6.76419E-05	7.07105E-05	1.42622E-05	5.54638E-05	3.78147E-05	6.72734E-05	7.001E-05	9.3503E-06	5.54638E-05	4.0247E-05
6962	6.49577E-05	6.79102E-05	1.35975E-05	5.5008E-05	3.82634E-05	6.5244E-05	6.79285E-05	8.42384E-06	5.5008E-05	4.07484E-05
6963	6.5531E-05	6.8506E-05	1.3778E-05	5.69459E-05	3.94331E-05	6.63102E-05	6.90566E-05	8.17889E-06	5.69459E-05	4.20528E-05
6964	6.9222E-05	7.23584E-05	1.4661E-05	6.13066E-05	4.11899E-05	7.04202E-05	7.33466E-05	8.47832E-06	6.13066E-05	4.40088E-05
6965	7.66099E-05	8.00742E-05	1.63447E-05	6.80089E-05	4.34924E-05	7.7964E-05	8.11968E-05	9.53615E-06	6.80089E-05	4.65689E-05
6966	8.39595E-05	8.7751E-05	1.80034E-05	7.37221E-05	4.38876E-05	8.51393E-05	8.86505E-05	1.08208E-05	7.37221E-05	4.64608E-05
6967	8.56465E-05	8.94754E-05	1.90395E-05	7.60226E-05	0.000134347	8.69703E-05	9.05198E-05	1.18388E-05	7.60226E-05	0.000130688
6968	8.04397E-05	8.39986E-05	1.85302E-05	7.28558E-05	0.000133648	8.20295E-05	8.53528E-05	1.16868E-05	7.28558E-05	0.00012936
6969	7.63459E-05	7.97211E-05	1.76298E-05	6.80612E-05	0.00013394	7.74597E-05	8.05807E-05	1.13992E-05	6.80612E-05	0.000129679
6970	7.5276E-05	7.86035E-05	1.7391E-05	6.60385E-05	0.000134141	7.59967E-05	7.9043E-05	1.15179E-05	6.60385E-05	0.000129896
6971	7.45899E-05	7.7889E-05	1.71976E-05	6.43456E-05	0.000134604	7.4933E-05	7.79219E-05	1.1667E-05	6.43456E-05	0.000130408
6972	7.38251E-05	7.70916E-05	1.70024E-05	6.39938E-05	0.000120127	7.42788E-05	7.72469E-05	1.14557E-05	6.39938E-05	0.000117034
6973	7.52691E-05	7.86031E-05	1.72717E-05	6.52174E-05	0.000119938	7.57427E-05	7.8771E-05	1.16427E-05	6.52174E-05	0.000116822
6974	7.63876E-05	7.97751E-05	1.7459E-05	6.68126E-05	0.000118938	7.71104E-05	8.02051E-05	1.16075E-05	6.68126E-05	0.00011571
6975	7.95477E-05	8.30779E-05	1.81376E-05	7.01137E-05	0.000132128	8.05031E-05	8.37433E-05	1.19202E-05	7.01137E-05	0.000127649
6976	8.58656E-05	8.96806E-05	1.94999E-05	7.56131E-05	0.000130252	8.68983E-05	9.03976E-05	1.283E-05	7.56131E-05	0.000125563
6977	9.39697E-05	9.81572E-05	2.11234E-05	8.18806E-05	0.000128767	9.48664E-05	9.86816E-05	1.41113E-05	8.18806E-05	0.000123914
6978	0.00010279	0.000107372	2.30902E-05	8.65867E-05	0.000127893	0.000102731	0.00010682	1.6185E-05	8.65867E-05	0.000122945
6979	0.000111309	0.000116259	2.52025E-05	8.91716E-05	9.7737E-05	0.00010957	0.000113857	1.88367E-05	8.91716E-05	9.48693E-05
6980	0.000111008	0.000115935	2.5289E-05	8.6121E-05	6.88623E-05	0.000108238	0.000112425	1.96106E-05	8.6121E-05	6.87648E-05
6981	0.000106885	0.000111653	2.394E-05	7.99435E-05	5.30423E-05	0.000103256	0.000107244	1.88383E-05	7.99435E-05	5.39022E-05
6982	9.91733E-05	0.000103628	2.16825E-05	7.27112E-05	3.87692E-05	9.54105E-05	9.91184E-05	1.69273E-05	7.27112E-05	4.13035E-05
6983	8.76857E-05	9.16313E-05	1.90484E-05	6.56366E-05	3.81216E-05	8.48594E-05	8.81874E-05	1.4417E-05	6.56366E-05	4.05852E-05

6984	7.85086E-05	8.20527E-05	1.68565E-05	6.16667E-05	3.78238E-05	7.7049E-05	8.01259E-05	1.19213E-05	6.16667E-05	4.02559E-05
6985	6.76419E-05	7.07105E-05	1.42622E-05	5.54638E-05	3.78147E-05	6.72734E-05	7.001E-05	9.3503E-06	5.54638E-05	4.0247E-05
6986	6.49577E-05	6.79102E-05	1.35975E-05	5.5008E-05	3.82634E-05	6.5244E-05	6.79285E-05	8.42384E-06	5.5008E-05	4.07484E-05
6987	6.5531E-05	6.8506E-05	1.3778E-05	5.69459E-05	3.94331E-05	6.63102E-05	6.90566E-05	8.17889E-06	5.69459E-05	4.20528E-05
6988	6.9222E-05	7.23584E-05	1.4661E-05	6.13066E-05	4.11899E-05	7.04202E-05	7.33466E-05	8.47832E-06	6.13066E-05	4.40088E-05
6989	7.66099E-05	8.00742E-05	1.63447E-05	6.80089E-05	4.34924E-05	7.7964E-05	8.11968E-05	9.53615E-06	6.80089E-05	4.65689E-05
6990	8.39595E-05	8.7751E-05	1.80034E-05	7.37221E-05	4.38876E-05	8.51393E-05	8.86505E-05	1.08208E-05	7.37221E-05	4.64608E-05
6991	8.56465E-05	8.94754E-05	1.90395E-05	7.60226E-05	0.000134347	8.69703E-05	9.05198E-05	1.18388E-05	7.60226E-05	0.000130688
6992	8.04397E-05	8.39986E-05	1.85302E-05	7.28558E-05	0.000133648	8.20295E-05	8.53528E-05	1.16868E-05	7.28558E-05	0.00012936
6993	7.63459E-05	7.97211E-05	1.76298E-05	6.80612E-05	0.00013394	7.74597E-05	8.05807E-05	1.13992E-05	6.80612E-05	0.000129679
6994	7.5276E-05	7.86035E-05	1.7391E-05	6.60385E-05	0.000134141	7.59967E-05	7.9043E-05	1.15179E-05	6.60385E-05	0.000129896
6995	7.45899E-05	7.7889E-05	1.71976E-05	6.43456E-05	0.000134604	7.4933E-05	7.79219E-05	1.1667E-05	6.43456E-05	0.000130408
6996	7.38251E-05	7.70916E-05	1.70024E-05	6.39938E-05	0.000120127	7.42788E-05	7.72469E-05	1.14557E-05	6.39938E-05	0.000117034
6997	7.52691E-05	7.86031E-05	1.72717E-05	6.52174E-05	0.000119938	7.57427E-05	7.8771E-05	1.16427E-05	6.52174E-05	0.000116822
6998	7.63876E-05	7.97751E-05	1.7459E-05	6.68126E-05	0.000118938	7.71104E-05	8.02051E-05	1.16075E-05	6.68126E-05	0.00011571
6999	7.95477E-05	8.30779E-05	1.81376E-05	7.01137E-05	0.000132128	8.05031E-05	8.37433E-05	1.19202E-05	7.01137E-05	0.000127649
7000	8.58656E-05	8.96806E-05	1.94999E-05	7.56131E-05	0.000130252	8.68983E-05	9.03976E-05	1.283E-05	7.56131E-05	0.000125563
7001	9.39697E-05	9.81572E-05	2.11234E-05	8.18806E-05	0.000128767	9.48664E-05	9.86816E-05	1.41113E-05	8.18806E-05	0.000123914
7002	0.00010279	0.000107372	2.30902E-05	8.65867E-05	0.000127893	0.000102731	0.00010682	1.6185E-05	8.65867E-05	0.000122945
7003	0.000111309	0.000116259	2.52025E-05	8.91716E-05	9.7737E-05	0.00010957	0.000113857	1.88367E-05	8.91716E-05	9.48693E-05
7004	0.000111008	0.000115935	2.5289E-05	8.6121E-05	6.88623E-05	0.000108238	0.000112425	1.96106E-05	8.6121E-05	6.87648E-05
7005	0.000106885	0.000111653	2.394E-05	7.99435E-05	5.30423E-05	0.000103256	0.000107244	1.88383E-05	7.99435E-05	5.39022E-05
7006	9.91733E-05	0.000103628	2.16825E-05	7.27112E-05	3.87692E-05	9.54105E-05	9.91184E-05	1.69273E-05	7.27112E-05	4.13035E-05
7007	8.76857E-05	9.16313E-05	1.90484E-05	6.56366E-05	3.81216E-05	8.48594E-05	8.81874E-05	1.4417E-05	6.56366E-05	4.05852E-05
7008	7.85086E-05	8.20527E-05	1.68565E-05	6.16667E-05	3.78238E-05	7.7049E-05	8.01259E-05	1.19213E-05	6.16667E-05	4.02559E-05
7009	6.76419E-05	7.07105E-05	1.42622E-05	5.54638E-05	3.78147E-05	6.72734E-05	7.001E-05	9.3503E-06	5.54638E-05	4.0247E-05
7010	6.49577E-05	6.79102E-05	1.35975E-05	5.5008E-05	3.82634E-05	6.5244E-05	6.79285E-05	8.42384E-06	5.5008E-05	4.07484E-05
7011	6.5531E-05	6.8506E-05	1.3778E-05	5.69459E-05	3.94331E-05	6.63102E-05	6.90566E-05	8.17889E-06	5.69459E-05	4.20528E-05
7012	6.9222E-05	7.23584E-05	1.4661E-05	6.13066E-05	4.11899E-05	7.04202E-05	7.33466E-05	8.47832E-06	6.13066E-05	4.40088E-05
7013	7.66099E-05	8.00742E-05	1.63447E-05	6.80089E-05	4.34924E-05	7.7964E-05	8.11968E-05	9.53615E-06	6.80089E-05	4.65689E-05
7014	8.39595E-05	8.7751E-05	1.80034E-05	7.37221E-05	4.38876E-05	8.51393E-05	8.86505E-05	1.08208E-05	7.37221E-05	4.64608E-05
7015	8.56465E-05	8.94754E-05	1.90395E-05	7.60226E-05	0.000134347	8.69703E-05	9.05198E-05	1.18388E-05	7.60226E-05	0.000130688
7016	8.04397E-05	8.39986E-05	1.85302E-05	7.28558E-05	0.000133648	8.20295E-05	8.53528E-05	1.16868E-05	7.28558E-05	0.00012936
7017	7.63459E-05	7.97211E-05	1.76298E-05	6.80612E-05	0.00013394	7.74597E-05	8.05807E-05	1.13992E-05	6.80612E-05	0.000129679
7018	7.5276E-05	7.86035E-05	1.7391E-05	6.60385E-05	0.000134141	7.59967E-05	7.9043E-05	1.15179E-05	6.60385E-05	0.000129896
7019	7.45899E-05	7.7889E-05	1.71976E-05	6.43456E-05	0.000134604	7.4933E-05	7.79219E-05	1.1667E-05	6.43456E-05	0.000130408
7020	7.38251E-05	7.70916E-05	1.70024E-05	6.39938E-05	0.000120127	7.42788E-05	7.72469E-05	1.14557E-05	6.39938E-05	0.000117034
7021	7.52691E-05	7.86031E-05	1.72717E-05	6.52174E-05	0.000119938	7.57427E-05	7.8771E-05	1.16427E-05	6.52174E-05	0.000116822
7022	7.63876E-05	7.97751E-05	1.7459E-05	6.68126E-05	0.000118938	7.71104E-05	8.02051E-05	1.16075E-05	6.68126E-05	0.00011571
7023	7.95477E-05	8.30779E-05	1.81376E-05	7.01137E-05	0.000132128	8.05031E-05	8.37433E-05	1.19202E-05	7.01137E-05	0.000127649
7024	8.58656E-05	8.96806E-05	1.94999E-05	7.56131E-05	0.000130252	8.68983E-05	9.03976E-05	1.283E-05	7.56131E-05	0.000125563
7025	9.39697E-05	9.81572E-05	2.11234E-05	8.18806E-05	0.000128767	9.48664E-05	9.86816E-05	1.41113E-05	8.18806E-05	0.000123914
7026	0.00010279	0.000107372	2.30902E-05	8.65867E-05	0.000127893	0.000102731	0.00010682	1.6185E-05	8.65867E-05	0.000122945
7027	0.000111309	0.000116259	2.52025E-05	8.91716E-05	9.7737E-05	0.00010957	0.000113857	1.88367E-05	8.91716E-05	9.48693E-05
7028	0.000111008	0.000115935	2.5289E-05	8.6121E-05	6.88623E-05	0.000108238	0.000112425	1.96106E-05	8.6121E-05	6.87648E-05
7029	0.000106885	0.000111653	2.394E-05	7.99435E-05	5.30423E-05	0.000103256	0.000107244	1.88383E-05	7.99435E-05	5.39022E-05
7030	9.91733E-05	0.000103628	2.16825E-05	7.27112E-05	3.87692E-05	9.54105E-05	9.91184E-05	1.69273E-05	7.27112E-05	4.13035E-05
7031	8.76857E-05	9.16313E-05	1.90484E-05	6.56366E-05	3.81216E-05	8.48594E-05	8.81874E-05	1.4417E-05	6.56366E-05	4.05852E-05
7032	7.85086E-05	8.20527E-05	1.68565E-05	6.16667E-05	3.78238E-05	7.7049E-05	8.01259E-05	1.19213E-05	6.16667E-05	4.02559E-05
7033	6.76419E-05	7.07105E-05	1.42622E-05	5.54638E-05	3.78147E-05	6.72734E-05	7.001E-05	9.3503E-06	5.54638E-05	4.0247E-05
7034	6.49577E-05	6.79102E-05	1.35975E-05	5.5008E-05	3.82634E-05	6.5244E-05	6.79285E-05	8.42384E-06	5.5008E-05	4.07484E-05
7035	6.5531E-05	6.8506E-05	1.3778E-05	5.69459E-05	3.94331E-05	6.63102E-05	6.90566E-05	8.17889E-06	5.69459E-05	4.20528E-05
7036	6.9222E-05	7.23584E-05	1.4661E-05	6.13066E-05	4.11899E-05	7.04202E-05	7.33466E-05	8.47832E-06	6.13066E-05	4.40088E-05
7037	7.66099E-05	8.00742E-05	1.63447E-05	6.80089E-05	4.34924E-05	7.7964E-05	8.11968E-05	9.53615E-06	6.80089E-05	4.65689E-05
7038	8.39595E-05	8.7751E-05	1.80034E-05	7.37221E-05	4.38876E-05	8.51393E-05	8.86505E-05	1.08208E-05	7.37221E-05	4.64608E-05
7039	8.56465E-05	8.94754E-05	1.90395E-05	7.60226E-05	0.000134347	8.69703E-05	9.05198E-05	1.18388E-05	7.60226E-05	0.000130688
7040	8.04397E-05	8.39986E-05	1.85302E-05	7.28558E-05	0.000133648	8.20295E-05	8.53528E-05	1.16868E-05	7.28558E-05	0.00012936
7041	7.63459E-05	7.97211E-05	1.76298E-05	6.80612E-05	0.00013394	7.74597E-05	8.05807E-05	1.13992E-05	6.80612E-05	0.000129679
7042	7.5276E-05	7.86035E-05	1.7391E-05	6.60385E-05	0.000134141	7.59967E-05	7.9043E-05	1.15179E-05	6.60385E-05	0.000129896
7043	7.45899E-05	7.7889E-05	1.71976E-05	6.43456E-05	0.000134604	7.4933E-05	7.79219E-05	1.1667E-05	6.43456E-05	0.000130408
7044	7.38251E-05	7.70916E-05	1.70024E-05	6.39938E-05	0.000120127	7.42788E-05	7.72469E-05	1.14557E-05	6.39938E-05	0.000117034
7045	7.52691E-05	7.86031E-05	1.72717E-05	6.52174E-05	0.000119938	7.57427E-05	7.8771E-05	1.16427E-05	6.52174E-05	0.000116822
7046	7.63876E-05	7.97751E-05	1.7459E-05	6.68126E-05	0.000118938	7.71104E-05	8.02051E-05	1.16075E-05	6.68126E-05	0.00011571
7047	7.95477E-05	8.30779E-05	1.81376E-05	7.01137E-05	0.000132128	8.05031E-05	8.37433E-05	1.19202E-05	7.01137E-05	0.000127649
7048	8.58656E-05	8.96806E-05	1.94999E-05	7.56131E-05	0.000130252	8.68983E-05	9.03976E-05	1.283E-05	7.56131E-05	0.000125563
7049	9.39697E-05	9.81572E-05	2.11234E-05	8.18806E-05	0.000128767	9.48664E-05	9.86816E-05	1.41113E-05	8.18806E-05	0.000123914
7050	0.00010279	0.000107372	2.30902E-05	8.65867E-05	0.000127893	0.000102731	0.00010682	1.6185E-05	8.65867E-05	0.000122945
7051	0.000111309	0.000116259	2.52025E-05	8.91716E-05	9.7737E-05	0.00010957	0.000113857	1.88367E-05	8.91716E-05	9.48693E-05
7052	0.000111008	0.000115935	2.5289E-05	8.6121E-05	6.88623E-05	0.000108238	0.000112425	1.96106E-05	8.6121E-05	6.87648E-05
7053	0.000106885	0.000111653	2.394E-05	7.99435E-05	5.30423E-05	0.000103256	0.000107244	1.88383E-05	7.99435E-05	5.39022E-05
7054	9.91733E-05	0.000103628	2.16825E-05	7.27112E-05	3.87692E-05	9.54105E-05	9.91184E-05	1.69273E-05	7.27112E-05	4.13035E-05
7055	8.76857E-05	9.16313E-05	1.90484E-05	6.56366E-05	3.81216E-05	8.48594E-05	8.81874E-05	1.4417E-05	6.56366E-05	4.05852E-05
7056	7.85086E-05	8.20527E-05	1.68565E-05	6.16667E-05	3.78238E-05	7.7049E-05	8.01259E-05	1.19213E-05	6.16667E-05	4.02559E-05
7057	6.76419E-05	7.07105E-05	1.42622E-05	5.54638E-05	3.78147E-05	6.72734E-05	7.001E-05	9.3503E-06	5.54638E-05	4.0247E-05
7058	6.49577E-05	6.79102E-05	1.35975E-05	5.5008E-05	3.82634E-05	6.5244E-05	6.79285E-05	8.42384E-06	5.5008E-05	4.07484E-05
7059	6.5531E-05	6.8506E-05	1.3778E-05	5.69459E-05	3.94331E-05	6.63102E-05	6.90566E-05	8.17889E-06	5.69459E-05	4.20528E-05

7060	6.9222E-05	7.23584E-05	1.4661E-05	6.13066E-05	4.11899E-05	7.04202E-05	7.33466E-05	8.47832E-06	6.13066E-05	4.40088E-05
7061	7.66099E-05	8.00742E-05	1.63447E-05	6.80089E-05	4.34924E-05	7.7964E-05	8.11968E-05	9.53615E-06	6.80089E-05	4.65689E-05
7062	8.39595E-05	8.7751E-05	1.80034E-05	7.37221E-05	4.38876E-05	8.51393E-05	8.86505E-05	1.08208E-05	7.37221E-05	4.64608E-05
7063	8.56465E-05	8.94754E-05	1.90395E-05	7.60226E-05	0.000134347	8.69703E-05	9.05198E-05	1.18388E-05	7.60226E-05	0.000130688
7064	8.04397E-05	8.39986E-05	1.85302E-05	7.28558E-05	0.000133648	8.20295E-05	8.53528E-05	1.16868E-05	7.28558E-05	0.00012936
7065	7.63459E-05	7.97211E-05	1.76298E-05	6.80612E-05	0.00013394	7.74597E-05	8.05807E-05	1.13992E-05	6.80612E-05	0.000129679
7066	7.5276E-05	7.86035E-05	1.7391E-05	6.60385E-05	0.000134141	7.59967E-05	7.9043E-05	1.15179E-05	6.60385E-05	0.000129896
7067	7.45899E-05	7.7889E-05	1.71976E-05	6.43456E-05	0.000134604	7.4933E-05	7.79219E-05	1.1667E-05	6.43456E-05	0.000130408
7068	7.38251E-05	7.70916E-05	1.70024E-05	6.39938E-05	0.000120127	7.42788E-05	7.72469E-05	1.14557E-05	6.39938E-05	0.000117034
7069	7.52691E-05	7.86031E-05	1.72717E-05	6.52174E-05	0.000119938	7.57427E-05	7.8771E-05	1.16427E-05	6.52174E-05	0.000116822
7070	7.63876E-05	7.97751E-05	1.7459E-05	6.68126E-05	0.000118938	7.71104E-05	8.02051E-05	1.16075E-05	6.68126E-05	0.00011571
7071	7.95477E-05	8.30779E-05	1.81376E-05	7.01137E-05	0.000132128	8.05031E-05	8.37433E-05	1.19202E-05	7.01137E-05	0.000127649
7072	8.58656E-05	8.96806E-05	1.94999E-05	7.56131E-05	0.000130252	8.68983E-05	9.03976E-05	1.283E-05	7.56131E-05	0.000125563
7073	9.39697E-05	9.81572E-05	2.11234E-05	8.18806E-05	0.000128767	9.48664E-05	9.86816E-05	1.41113E-05	8.18806E-05	0.000123914
7074	0.00010279	0.000107372	2.30902E-05	8.65867E-05	0.000127893	0.000102731	0.00010682	1.6185E-05	8.65867E-05	0.000122945
7075	0.000111309	0.000116259	2.52025E-05	8.91716E-05	9.7737E-05	0.00010957	0.000113857	1.88367E-05	8.91716E-05	9.48693E-05
7076	0.000111008	0.000115935	2.5289E-05	8.6121E-05	6.88623E-05	0.000108238	0.000112425	1.96106E-05	8.6121E-05	6.87648E-05
7077	0.000106885	0.000111653	2.394E-05	7.99435E-05	5.30423E-05	0.000103256	0.000107244	1.88383E-05	7.99435E-05	5.39022E-05
7078	9.91733E-05	0.000103628	2.16825E-05	7.27112E-05	3.87692E-05	9.54105E-05	9.91184E-05	1.69273E-05	7.27112E-05	4.13035E-05
7079	8.76857E-05	9.16313E-05	1.90484E-05	6.56366E-05	3.81216E-05	8.48594E-05	8.81874E-05	1.4417E-05	6.56366E-05	4.05852E-05
7080	7.85086E-05	8.20527E-05	1.68565E-05	6.16667E-05	3.78238E-05	7.7049E-05	8.01259E-05	1.19213E-05	6.16667E-05	4.02559E-05
7081	6.7519E-05	7.05817E-05	1.42408E-05	5.53766E-05	3.79734E-05	6.71543E-05	6.98861E-05	9.33106E-06	5.53766E-05	4.04219E-05
7082	6.4961E-05	6.79134E-05	1.36014E-05	5.50307E-05	3.84492E-05	6.52532E-05	6.79382E-05	8.42147E-06	5.50307E-05	4.09534E-05
7083	6.54874E-05	6.84607E-05	1.37649E-05	5.68816E-05	3.96212E-05	6.6258E-05	6.90021E-05	8.17679E-06	5.68816E-05	4.22603E-05
7084	6.92092E-05	7.23454E-05	1.46533E-05	6.12635E-05	4.14141E-05	7.03977E-05	7.33229E-05	8.48113E-06	6.12635E-05	4.42568E-05
7085	7.65672E-05	8.00304E-05	1.6322E-05	6.78856E-05	4.3713E-05	7.78949E-05	8.11242E-05	9.54259E-06	6.78856E-05	4.68131E-05
7086	8.39253E-05	8.77157E-05	1.79887E-05	7.36446E-05	4.41125E-05	8.50903E-05	8.8599E-05	1.08229E-05	7.36446E-05	4.67099E-05
7087	8.73956E-05	9.13191E-05	1.91432E-05	7.63628E-05	0.000134513	8.83867E-05	9.19997E-05	1.19115E-05	7.63628E-05	0.000130872
7088	8.09638E-05	8.45455E-05	1.86572E-05	7.34446E-05	0.000133779	8.26019E-05	8.59499E-05	1.17382E-05	7.34446E-05	0.000129505
7089	7.7417E-05	8.08386E-05	1.7895E-05	6.9299E-05	0.000133981	7.86398E-05	8.18118E-05	1.14994E-05	6.9299E-05	0.000129725
7090	7.6407E-05	7.97834E-05	1.76706E-05	6.73432E-05	0.000134137	7.72421E-05	8.03422E-05	1.1624E-05	6.73432E-05	0.000129894
7091	7.56158E-05	7.89593E-05	1.74514E-05	6.553E-05	0.000134556	7.60629E-05	7.91007E-05	1.17631E-05	6.553E-05	0.000130356
7092	7.4727E-05	7.80335E-05	1.72088E-05	6.49327E-05	0.00012009	7.52418E-05	7.82507E-05	1.15546E-05	6.49327E-05	0.000116994
7093	7.60216E-05	7.93893E-05	1.74372E-05	6.59595E-05	0.0001199	7.65338E-05	7.95954E-05	1.17311E-05	6.59595E-05	0.000116782
7094	7.70419E-05	8.04587E-05	1.76048E-05	6.74698E-05	0.00011887	7.7802E-05	8.09258E-05	1.16827E-05	6.74698E-05	0.000115637
7095	8.03809E-05	8.39481E-05	1.83262E-05	7.0968E-05	0.000132032	8.13889E-05	8.46665E-05	1.20135E-05	7.0968E-05	0.000127545
7096	8.67168E-05	9.05696E-05	1.96949E-05	7.65002E-05	0.000130151	8.78075E-05	9.13453E-05	1.29233E-05	7.65002E-05	0.000125452
7097	9.4633E-05	9.885E-05	2.12737E-05	8.25616E-05	0.000128675	9.55717E-05	9.94168E-05	1.41854E-05	8.25616E-05	0.000123813
7098	0.000103348	0.000107954	2.32194E-05	8.71767E-05	0.000127811	0.00010333	0.000107444	1.6245E-05	8.71767E-05	0.000122855
7099	0.000111641	0.000116605	2.52838E-05	8.95493E-05	9.76835E-05	0.000109935	0.000114237	1.88687E-05	8.95493E-05	9.48107E-05
7100	0.000111518	0.000116468	2.54093E-05	8.66737E-05	6.87993E-05	0.00010879	0.000113	1.96636E-05	8.66737E-05	6.86957E-05
7101	0.00010579	0.000110492	2.39926E-05	8.03247E-05	5.29518E-05	0.00010255	0.000106505	1.88316E-05	8.03247E-05	5.38025E-05
7102	9.97041E-05	0.000104182	2.18129E-05	7.33183E-05	3.86816E-05	9.59934E-05	9.97264E-05	1.69778E-05	7.33183E-05	4.12073E-05
7103	8.82731E-05	9.22445E-05	1.91869E-05	6.6273E-05	3.80321E-05	8.5494E-05	8.88491E-05	1.4478E-05	6.6273E-05	4.04869E-05
7104	7.89596E-05	8.25234E-05	1.69643E-05	6.21641E-05	3.76891E-05	7.75388E-05	8.06367E-05	1.19669E-05	6.21641E-05	4.01076E-05
7105	6.7519E-05	7.05817E-05	1.42408E-05	5.53766E-05	3.79734E-05	6.71543E-05	6.98861E-05	9.33106E-06	5.53766E-05	4.04219E-05
7106	6.4961E-05	6.79134E-05	1.36014E-05	5.50307E-05	3.84492E-05	6.52532E-05	6.79382E-05	8.42147E-06	5.50307E-05	4.09534E-05
7107	6.54874E-05	6.84607E-05	1.37649E-05	5.68816E-05	3.96212E-05	6.6258E-05	6.90021E-05	8.17679E-06	5.68816E-05	4.22603E-05
7108	6.92092E-05	7.23454E-05	1.46533E-05	6.12635E-05	4.14141E-05	7.03977E-05	7.33229E-05	8.48113E-06	6.12635E-05	4.42568E-05
7109	7.65672E-05	8.00304E-05	1.6322E-05	6.78856E-05	4.3713E-05	7.78949E-05	8.11242E-05	9.54259E-06	6.78856E-05	4.68131E-05
7110	8.39253E-05	8.77157E-05	1.79887E-05	7.36446E-05	4.41125E-05	8.50903E-05	8.8599E-05	1.08229E-05	7.36446E-05	4.67099E-05
7111	8.73956E-05	9.13191E-05	1.91432E-05	7.63628E-05	0.000134513	8.83867E-05	9.19997E-05	1.19115E-05	7.63628E-05	0.000130872
7112	8.09638E-05	8.45455E-05	1.86572E-05	7.34446E-05	0.000133779	8.26019E-05	8.59499E-05	1.17382E-05	7.34446E-05	0.000129505
7113	7.7417E-05	8.08386E-05	1.7895E-05	6.9299E-05	0.000133981	7.86398E-05	8.18118E-05	1.14994E-05	6.9299E-05	0.000129725
7114	7.6407E-05	7.97834E-05	1.76706E-05	6.73432E-05	0.000134137	7.72421E-05	8.03422E-05	1.1624E-05	6.73432E-05	0.000129894
7115	7.56158E-05	7.89593E-05	1.74514E-05	6.553E-05	0.000134556	7.60629E-05	7.91007E-05	1.17631E-05	6.553E-05	0.000130356
7116	7.4727E-05	7.80335E-05	1.72088E-05	6.49327E-05	0.00012009	7.52418E-05	7.82507E-05	1.15546E-05	6.49327E-05	0.000116994
7117	7.60216E-05	7.93893E-05	1.74372E-05	6.59595E-05	0.0001199	7.65338E-05	7.95954E-05	1.17311E-05	6.59595E-05	0.000116782
7118	7.70419E-05	8.04587E-05	1.76048E-05	6.74698E-05	0.00011887	7.7802E-05	8.09258E-05	1.16827E-05	6.74698E-05	0.000115637
7119	8.03809E-05	8.39481E-05	1.83262E-05	7.0968E-05	0.000132032	8.13889E-05	8.46665E-05	1.20135E-05	7.0968E-05	0.000127545
7120	8.67168E-05	9.05696E-05	1.96949E-05	7.65002E-05	0.000130151	8.78075E-05	9.13453E-05	1.29233E-05	7.65002E-05	0.000125452
7121	9.4633E-05	9.885E-05	2.12737E-05	8.25616E-05	0.000128675	9.55717E-05	9.94168E-05	1.41854E-05	8.25616E-05	0.000123813
7122	0.000103348	0.000107954	2.32194E-05	8.71767E-05	0.000127811	0.00010333	0.000107444	1.6245E-05	8.71767E-05	0.000122855
7123	0.000111641	0.000116605	2.52838E-05	8.95493E-05	9.76835E-05	0.000109935	0.000114237	1.88687E-05	8.95493E-05	9.48107E-05
7124	0.000111518	0.000116468	2.54093E-05	8.66737E-05	6.87993E-05	0.00010879	0.000113	1.96636E-05	8.66737E-05	6.86957E-05
7125	0.00010579	0.000110492	2.39926E-05	8.03247E-05	5.29518E-05	0.00010255	0.000106505	1.88316E-05	8.03247E-05	5.38025E-05
7126	9.97041E-05	0.000104182	2.18129E-05	7.33183E-05	3.86816E-05	9.59934E-05	9.97264E-05	1.69778E-05	7.33183E-05	4.12073E-05
7127	8.82731E-05	9.22445E-05	1.91869E-05	6.6273E-05	3.80321E-05	8.5494E-05	8.88491E-05	1.4478E-05	6.6273E-05	4.04869E-05
7128	7.89596E-05	8.25234E-05	1.69643E-05	6.21641E-05	3.76891E-05	7.75388E-05	8.06367E-05	1.19669E-05	6.21641E-05	4.01076E-05
7129	6.76419E-05	7.07105E-05	1.42622E-05	5.54638E-05	3.78147E-05	6.72734E-05	7.001E-05	9.3503E-06	5.54638E-05	4.0247E-05
7130	6.49577E-05	6.79102E-05	1.35975E-05	5.5008E-05	3.82634E-05	6.5244E-05	6.79285E-05	8.42384E-06	5.5008E-05	4.07484E-05
7131	6.5531E-05	6.8506E-05	1.3778E-05	5.69459E-05	3.94331E-05	6.63102E-05	6.90566E-05	8.17889E-06	5.69459E-05	4.20528E-05
7132	6.9222E-05	7.23584E-05	1.4661E-05	6.13066E-05	4.11899E-05	7.04202E-05	7.33466E-05	8.47832E-06	6.13066E-05	4.40088E-05
7133	7.66099E-05	8.00742E-05	1.63447E-05	6.80089E-05	4.34924E-05	7.7964E-05	8.11968E-05	9.53615E-06	6.80089E-05	4.65689E-05
7134	8.39595E-05	8.7751E-05	1.80034E-05	7.37221E-05	4.38876E-05	8.51393E-05	8.86505E-05	1.08208E-05	7.37221E-05	4.64608E-05
7135	8.56465E-05	8.94754E-05	1.90395E-05	7.60226E-05	0.000134347	8.69703E-05	9.05198E-05	1.18388E-05	7.60226E-05	0.000130688

7136	8.04397E-05	8.39986E-05	1.85302E-05	7.28558E-05	0.000133648	8.20295E-05	8.53528E-05	1.16868E-05	7.28558E-05	0.00012936
7137	7.63459E-05	7.97211E-05	1.76298E-05	6.80612E-05	0.00013394	7.74597E-05	8.05807E-05	1.13992E-05	6.80612E-05	0.000129679
7138	7.5276E-05	7.86035E-05	1.7391E-05	6.60385E-05	0.000134141	7.59967E-05	7.9043E-05	1.15179E-05	6.60385E-05	0.000129896
7139	7.45899E-05	7.7889E-05	1.71976E-05	6.43456E-05	0.000134604	7.4933E-05	7.79219E-05	1.1667E-05	6.43456E-05	0.000130408
7140	7.38251E-05	7.70916E-05	1.70024E-05	6.39938E-05	0.000120127	7.42788E-05	7.72469E-05	1.14557E-05	6.39938E-05	0.000117034
7141	7.52691E-05	7.86031E-05	1.72717E-05	6.52174E-05	0.000119938	7.57427E-05	7.8771E-05	1.16427E-05	6.52174E-05	0.000116822
7142	7.63876E-05	7.97751E-05	1.7459E-05	6.68126E-05	0.000118938	7.71104E-05	8.02051E-05	1.16075E-05	6.68126E-05	0.00011571
7143	7.95477E-05	8.30779E-05	1.81376E-05	7.01137E-05	0.000132128	8.05031E-05	8.37433E-05	1.19202E-05	7.01137E-05	0.000127649
7144	8.58656E-05	8.96806E-05	1.94999E-05	7.56131E-05	0.000130252	8.68983E-05	9.03976E-05	1.283E-05	7.56131E-05	0.000125563
7145	9.39697E-05	9.81572E-05	2.11234E-05	8.18806E-05	0.000128767	9.48664E-05	9.86816E-05	1.41113E-05	8.18806E-05	0.000123914
7146	0.00010279	0.000107372	2.30902E-05	8.65867E-05	0.000127893	0.000102731	0.00010682	1.6185E-05	8.65867E-05	0.000122945
7147	0.000111309	0.000116259	2.52025E-05	8.91716E-05	9.7737E-05	0.00010957	0.000113857	1.88367E-05	8.91716E-05	9.48693E-05
7148	0.000111008	0.000115935	2.5289E-05	8.6121E-05	6.88623E-05	0.000108238	0.000112425	1.96106E-05	8.6121E-05	6.87648E-05
7149	0.000106885	0.000111653	2.394E-05	7.99435E-05	5.30423E-05	0.000103256	0.000107244	1.88383E-05	7.99435E-05	5.39022E-05
7150	9.91733E-05	0.000103628	2.16825E-05	7.27112E-05	3.87692E-05	9.54105E-05	9.91184E-05	1.69273E-05	7.27112E-05	4.13035E-05
7151	8.76857E-05	9.16313E-05	1.90484E-05	6.56366E-05	3.81216E-05	8.48594E-05	8.81874E-05	1.4417E-05	6.56366E-05	4.05852E-05
7152	7.85086E-05	8.20527E-05	1.68565E-05	6.16667E-05	3.78238E-05	7.7049E-05	8.01259E-05	1.19213E-05	6.16667E-05	4.02559E-05
7153	6.76419E-05	7.07105E-05	1.42622E-05	5.54638E-05	3.78147E-05	6.72734E-05	7.001E-05	9.3503E-06	5.54638E-05	4.0247E-05
7154	6.49577E-05	6.79102E-05	1.35975E-05	5.5008E-05	3.82634E-05	6.5244E-05	6.79285E-05	8.42384E-06	5.5008E-05	4.07484E-05
7155	6.5531E-05	6.8506E-05	1.3778E-05	5.69459E-05	3.94331E-05	6.63102E-05	6.90566E-05	8.17889E-06	5.69459E-05	4.20528E-05
7156	6.9222E-05	7.23584E-05	1.4661E-05	6.13066E-05	4.11899E-05	7.04202E-05	7.33466E-05	8.47832E-06	6.13066E-05	4.40088E-05
7157	7.66099E-05	8.00742E-05	1.63447E-05	6.80089E-05	4.34924E-05	7.7964E-05	8.11968E-05	9.53615E-06	6.80089E-05	4.65689E-05
7158	8.39595E-05	8.7751E-05	1.80034E-05	7.37221E-05	4.38876E-05	8.51393E-05	8.86505E-05	1.08208E-05	7.37221E-05	4.64608E-05
7159	8.56465E-05	8.94754E-05	1.90395E-05	7.60226E-05	0.000134347	8.69703E-05	9.05198E-05	1.18388E-05	7.60226E-05	0.000130688
7160	8.04397E-05	8.39986E-05	1.85302E-05	7.28558E-05	0.000133648	8.20295E-05	8.53528E-05	1.16868E-05	7.28558E-05	0.00012936
7161	7.63459E-05	7.97211E-05	1.76298E-05	6.80612E-05	0.00013394	7.74597E-05	8.05807E-05	1.13992E-05	6.80612E-05	0.000129679
7162	7.5276E-05	7.86035E-05	1.7391E-05	6.60385E-05	0.000134141	7.59967E-05	7.9043E-05	1.15179E-05	6.60385E-05	0.000129896
7163	7.45899E-05	7.7889E-05	1.71976E-05	6.43456E-05	0.000134604	7.4933E-05	7.79219E-05	1.1667E-05	6.43456E-05	0.000130408
7164	7.38251E-05	7.70916E-05	1.70024E-05	6.39938E-05	0.000120127	7.42788E-05	7.72469E-05	1.14557E-05	6.39938E-05	0.000117034
7165	7.52691E-05	7.86031E-05	1.72717E-05	6.52174E-05	0.000119938	7.57427E-05	7.8771E-05	1.16427E-05	6.52174E-05	0.000116822
7166	7.63876E-05	7.97751E-05	1.7459E-05	6.68126E-05	0.000118938	7.71104E-05	8.02051E-05	1.16075E-05	6.68126E-05	0.00011571
7167	7.95477E-05	8.30779E-05	1.81376E-05	7.01137E-05	0.000132128	8.05031E-05	8.37433E-05	1.19202E-05	7.01137E-05	0.000127649
7168	8.58656E-05	8.96806E-05	1.94999E-05	7.56131E-05	0.000130252	8.68983E-05	9.03976E-05	1.283E-05	7.56131E-05	0.000125563
7169	9.39697E-05	9.81572E-05	2.11234E-05	8.18806E-05	0.000128767	9.48664E-05	9.86816E-05	1.41113E-05	8.18806E-05	0.000123914
7170	0.00010279	0.000107372	2.30902E-05	8.65867E-05	0.000127893	0.000102731	0.00010682	1.6185E-05	8.65867E-05	0.000122945
7171	0.000111309	0.000116259	2.52025E-05	8.91716E-05	9.7737E-05	0.00010957	0.000113857	1.88367E-05	8.91716E-05	9.48693E-05
7172	0.000111008	0.000115935	2.5289E-05	8.6121E-05	6.88623E-05	0.000108238	0.000112425	1.96106E-05	8.6121E-05	6.87648E-05
7173	0.000106885	0.000111653	2.394E-05	7.99435E-05	5.30423E-05	0.000103256	0.000107244	1.88383E-05	7.99435E-05	5.39022E-05
7174	9.91733E-05	0.000103628	2.16825E-05	7.27112E-05	3.87692E-05	9.54105E-05	9.91184E-05	1.69273E-05	7.27112E-05	4.13035E-05
7175	8.76857E-05	9.16313E-05	1.90484E-05	6.56366E-05	3.81216E-05	8.48594E-05	8.81874E-05	1.4417E-05	6.56366E-05	4.05852E-05
7176	7.85086E-05	8.20527E-05	1.68565E-05	6.16667E-05	3.78238E-05	7.7049E-05	8.01259E-05	1.19213E-05	6.16667E-05	4.02559E-05
7177	6.76419E-05	7.07105E-05	1.42622E-05	5.54638E-05	3.78147E-05	6.72734E-05	7.001E-05	9.3503E-06	5.54638E-05	4.0247E-05
7178	6.49577E-05	6.79102E-05	1.35975E-05	5.5008E-05	3.82634E-05	6.5244E-05	6.79285E-05	8.42384E-06	5.5008E-05	4.07484E-05
7179	6.5531E-05	6.8506E-05	1.3778E-05	5.69459E-05	3.94331E-05	6.63102E-05	6.90566E-05	8.17889E-06	5.69459E-05	4.20528E-05
7180	6.9222E-05	7.23584E-05	1.4661E-05	6.13066E-05	4.11899E-05	7.04202E-05	7.33466E-05	8.47832E-06	6.13066E-05	4.40088E-05
7181	7.66099E-05	8.00742E-05	1.63447E-05	6.80089E-05	4.34924E-05	7.7964E-05	8.11968E-05	9.53615E-06	6.80089E-05	4.65689E-05
7182	8.39595E-05	8.7751E-05	1.80034E-05	7.37221E-05	4.38876E-05	8.51393E-05	8.86505E-05	1.08208E-05	7.37221E-05	4.64608E-05
7183	8.56465E-05	8.94754E-05	1.90395E-05	7.60226E-05	0.000134347	8.69703E-05	9.05198E-05	1.18388E-05	7.60226E-05	0.000130688
7184	8.04397E-05	8.39986E-05	1.85302E-05	7.28558E-05	0.000133648	8.20295E-05	8.53528E-05	1.16868E-05	7.28558E-05	0.00012936
7185	7.63459E-05	7.97211E-05	1.76298E-05	6.80612E-05	0.00013394	7.74597E-05	8.05807E-05	1.13992E-05	6.80612E-05	0.000129679
7186	7.5276E-05	7.86035E-05	1.7391E-05	6.60385E-05	0.000134141	7.59967E-05	7.9043E-05	1.15179E-05	6.60385E-05	0.000129896
7187	7.45899E-05	7.7889E-05	1.71976E-05	6.43456E-05	0.000134604	7.4933E-05	7.79219E-05	1.1667E-05	6.43456E-05	0.000130408
7188	7.38251E-05	7.70916E-05	1.70024E-05	6.39938E-05	0.000120127	7.42788E-05	7.72469E-05	1.14557E-05	6.39938E-05	0.000117034
7189	7.52691E-05	7.86031E-05	1.72717E-05	6.52174E-05	0.000119938	7.57427E-05	7.8771E-05	1.16427E-05	6.52174E-05	0.000116822
7190	7.63876E-05	7.97751E-05	1.7459E-05	6.68126E-05	0.000118938	7.71104E-05	8.02051E-05	1.16075E-05	6.68126E-05	0.00011571
7191	7.95477E-05	8.30779E-05	1.81376E-05	7.01137E-05	0.000132128	8.05031E-05	8.37433E-05	1.19202E-05	7.01137E-05	0.000127649
7192	8.58656E-05	8.96806E-05	1.94999E-05	7.56131E-05	0.000130252	8.68983E-05	9.03976E-05	1.283E-05	7.56131E-05	0.000125563
7193	9.39697E-05	9.81572E-05	2.11234E-05	8.18806E-05	0.000128767	9.48664E-05	9.86816E-05	1.41113E-05	8.18806E-05	0.000123914
7194	0.00010279	0.000107372	2.30902E-05	8.65867E-05	0.000127893	0.000102731	0.00010682	1.6185E-05	8.65867E-05	0.000122945
7195	0.000111309	0.000116259	2.52025E-05	8.91716E-05	9.7737E-05	0.00010957	0.000113857	1.88367E-05	8.91716E-05	9.48693E-05
7196	0.000111008	0.000115935	2.5289E-05	8.6121E-05	6.88623E-05	0.000108238	0.000112425	1.96106E-05	8.6121E-05	6.87648E-05
7197	0.000106885	0.000111653	2.394E-05	7.99435E-05	5.30423E-05	0.000103256	0.000107244	1.88383E-05	7.99435E-05	5.39022E-05
7198	9.91733E-05	0.000103628	2.16825E-05	7.27112E-05	3.87692E-05	9.54105E-05	9.91184E-05	1.69273E-05	7.27112E-05	4.13035E-05
7199	8.76857E-05	9.16313E-05	1.90484E-05	6.56366E-05	3.81216E-05	8.48594E-05	8.81874E-05	1.4417E-05	6.56366E-05	4.05852E-05
7200	7.85086E-05	8.20527E-05	1.68565E-05	6.16667E-05	3.78238E-05	7.7049E-05	8.01259E-05	1.19213E-05	6.16667E-05	4.02559E-05
7201	6.76419E-05	7.07105E-05	1.42622E-05	5.54638E-05	3.78147E-05	6.72734E-05	7.001E-05	9.3503E-06	5.54638E-05	4.0247E-05
7202	6.49577E-05	6.79102E-05	1.35975E-05	5.5008E-05	3.82634E-05	6.5244E-05	6.79285E-05	8.42384E-06	5.5008E-05	4.07484E-05
7203	6.5531E-05	6.8506E-05	1.3778E-05	5.69459E-05	3.94331E-05	6.63102E-05	6.90566E-05	8.17889E-06	5.69459E-05	4.20528E-05
7204	6.9222E-05	7.23584E-05	1.4661E-05	6.13066E-05	4.11899E-05	7.04202E-05	7.33466E-05	8.47832E-06	6.13066E-05	4.40088E-05
7205	7.66099E-05	8.00742E-05	1.63447E-05	6.80089E-05	4.34924E-05	7.7964E-05	8.11968E-05	9.53615E-06	6.80089E-05	4.65689E-05
7206	8.39595E-05	8.7751E-05	1.80034E-05	7.37221E-05	4.38876E-05	8.51393E-05	8.86505E-05	1.08208E-05	7.37221E-05	4.64608E-05
7207	8.56465E-05	8.94754E-05	1.90395E-05	7.60226E-05	0.000134347	8.69703E-05	9.05198E-05	1.18388E-05	7.60226E-05	0.000130688
7208	8.04397E-05	8.39986E-05	1.85302E-05	7.28558E-05	0.000133648	8.20295E-05	8.53528E-05	1.16868E-05	7.28558E-05	0.00012936
7209	7.63459E-05	7.97211E-05	1.76298E-05	6.80612E-05	0.00013394	7.74597E-05	8.05807E-05	1.13992E-05	6.80612E-05	0.000129679
7210	7.5276E-05	7.86035E-05	1.7391E-05	6.60385E-05	0.000134141	7.59967E-05	7.9043E-05	1.15179E-05	6.60385E-05	0.000129896
7211	7.45899E-05	7.7889E-05	1.71976E-05	6.43456E-05	0.000134604	7.4933E-05	7.79219E-05	1.1667E-05	6.43456E-05	0.000130408

7212	7.38251E-05	7.70916E-05	1.70024E-05	6.39938E-05	0.000120127	7.42788E-05	7.72469E-05	1.14557E-05	6.39938E-05	0.000117034
7213	7.52691E-05	7.86031E-05	1.72717E-05	6.52174E-05	0.000119938	7.57427E-05	7.8771E-05	1.16427E-05	6.52174E-05	0.000116822
7214	7.63876E-05	7.97751E-05	1.7459E-05	6.68126E-05	0.000118938	7.71104E-05	8.02051E-05	1.16075E-05	6.68126E-05	0.00011571
7215	7.95477E-05	8.30779E-05	1.81376E-05	7.01137E-05	0.000132128	8.05031E-05	8.37433E-05	1.19202E-05	7.01137E-05	0.000127649
7216	8.58656E-05	8.96806E-05	1.94999E-05	7.56131E-05	0.000130252	8.68983E-05	9.03976E-05	1.283E-05	7.56131E-05	0.000125563
7217	9.39697E-05	9.81572E-05	2.11234E-05	8.18806E-05	0.000128767	9.48664E-05	9.86816E-05	1.41113E-05	8.18806E-05	0.000123914
7218	0.00010279	0.000107372	2.30902E-05	8.65867E-05	0.000127893	0.000102731	0.00010682	1.6185E-05	8.65867E-05	0.000122945
7219	0.000111309	0.000116259	2.52025E-05	8.91716E-05	9.7737E-05	0.00010957	0.000113857	1.88367E-05	8.91716E-05	9.48693E-05
7220	0.000111008	0.000115935	2.5289E-05	8.6121E-05	6.88623E-05	0.000108238	0.000112425	1.96106E-05	8.6121E-05	6.87648E-05
7221	0.000106885	0.000111653	2.394E-05	7.99435E-05	5.30423E-05	0.000103256	0.000107244	1.88383E-05	7.99435E-05	5.39022E-05
7222	9.91733E-05	0.000103628	2.16825E-05	7.27112E-05	3.87692E-05	9.54105E-05	9.91184E-05	1.69273E-05	7.27112E-05	4.13035E-05
7223	8.76857E-05	9.16313E-05	1.90484E-05	6.56366E-05	3.81216E-05	8.48594E-05	8.81874E-05	1.4417E-05	6.56366E-05	4.05852E-05
7224	7.85086E-05	8.20527E-05	1.68565E-05	6.16667E-05	3.78238E-05	7.7049E-05	8.01259E-05	1.19213E-05	6.16667E-05	4.02559E-05
7225	6.76419E-05	7.07105E-05	1.42622E-05	5.54638E-05	3.78147E-05	6.72734E-05	7.001E-05	9.3503E-06	5.54638E-05	4.0247E-05
7226	6.49577E-05	6.79102E-05	1.35975E-05	5.5008E-05	3.82634E-05	6.5244E-05	6.79285E-05	8.42384E-06	5.5008E-05	4.07484E-05
7227	6.5531E-05	6.8506E-05	1.3778E-05	5.69459E-05	3.94331E-05	6.63102E-05	6.90566E-05	8.17889E-06	5.69459E-05	4.20528E-05
7228	6.9222E-05	7.23584E-05	1.4661E-05	6.13066E-05	4.11899E-05	7.04202E-05	7.33466E-05	8.47832E-06	6.13066E-05	4.40088E-05
7229	7.66099E-05	8.00742E-05	1.63447E-05	6.80089E-05	4.34924E-05	7.7964E-05	8.11968E-05	9.53615E-06	6.80089E-05	4.65689E-05
7230	8.39595E-05	8.7751E-05	1.80034E-05	7.37221E-05	4.38876E-05	8.51393E-05	8.86505E-05	1.08208E-05	7.37221E-05	4.64608E-05
7231	8.56465E-05	8.94754E-05	1.90395E-05	7.60226E-05	0.000134347	8.69703E-05	9.05198E-05	1.18388E-05	7.60226E-05	0.000130688
7232	8.04397E-05	8.39986E-05	1.85302E-05	7.28558E-05	0.000133648	8.20295E-05	8.53528E-05	1.16868E-05	7.28558E-05	0.00012936
7233	7.63459E-05	7.97211E-05	1.76298E-05	6.80612E-05	0.00013394	7.74597E-05	8.05807E-05	1.13992E-05	6.80612E-05	0.000129679
7234	7.5276E-05	7.86035E-05	1.7391E-05	6.60385E-05	0.000134141	7.59967E-05	7.9043E-05	1.15179E-05	6.60385E-05	0.000129896
7235	7.45899E-05	7.7889E-05	1.71976E-05	6.43456E-05	0.000134604	7.4933E-05	7.79219E-05	1.1667E-05	6.43456E-05	0.000130408
7236	7.38251E-05	7.70916E-05	1.70024E-05	6.39938E-05	0.000120127	7.42788E-05	7.72469E-05	1.14557E-05	6.39938E-05	0.000117034
7237	7.52691E-05	7.86031E-05	1.72717E-05	6.52174E-05	0.000119938	7.57427E-05	7.8771E-05	1.16427E-05	6.52174E-05	0.000116822
7238	7.63876E-05	7.97751E-05	1.7459E-05	6.68126E-05	0.000118938	7.71104E-05	8.02051E-05	1.16075E-05	6.68126E-05	0.00011571
7239	7.95477E-05	8.30779E-05	1.81376E-05	7.01137E-05	0.000132128	8.05031E-05	8.37433E-05	1.19202E-05	7.01137E-05	0.000127649
7240	8.58656E-05	8.96806E-05	1.94999E-05	7.56131E-05	0.000130252	8.68983E-05	9.03976E-05	1.283E-05	7.56131E-05	0.000125563
7241	9.39697E-05	9.81572E-05	2.11234E-05	8.18806E-05	0.000128767	9.48664E-05	9.86816E-05	1.41113E-05	8.18806E-05	0.000123914
7242	0.00010279	0.000107372	2.30902E-05	8.65867E-05	0.000127893	0.000102731	0.00010682	1.6185E-05	8.65867E-05	0.000122945
7243	0.000111309	0.000116259	2.52025E-05	8.91716E-05	9.7737E-05	0.00010957	0.000113857	1.88367E-05	8.91716E-05	9.48693E-05
7244	0.000111008	0.000115935	2.5289E-05	8.6121E-05	6.88623E-05	0.000108238	0.000112425	1.96106E-05	8.6121E-05	6.87648E-05
7245	0.000106885	0.000111653	2.394E-05	7.99435E-05	5.30423E-05	0.000103256	0.000107244	1.88383E-05	7.99435E-05	5.39022E-05
7246	9.91733E-05	0.000103628	2.16825E-05	7.27112E-05	3.87692E-05	9.54105E-05	9.91184E-05	1.69273E-05	7.27112E-05	4.13035E-05
7247	8.76857E-05	9.16313E-05	1.90484E-05	6.56366E-05	3.81216E-05	8.48594E-05	8.81874E-05	1.4417E-05	6.56366E-05	4.05852E-05
7248	7.85086E-05	8.20527E-05	1.68565E-05	6.16667E-05	3.78238E-05	7.7049E-05	8.01259E-05	1.19213E-05	6.16667E-05	4.02559E-05
7249	6.7519E-05	7.05817E-05	1.42408E-05	5.53766E-05	3.79734E-05	6.71543E-05	6.98861E-05	9.33106E-06	5.53766E-05	4.04219E-05
7250	6.4961E-05	6.79134E-05	1.36014E-05	5.50307E-05	3.84492E-05	6.52532E-05	6.79382E-05	8.42147E-06	5.50307E-05	4.09534E-05
7251	6.54874E-05	6.84607E-05	1.37649E-05	5.68816E-05	3.96212E-05	6.6258E-05	6.90021E-05	8.17679E-06	5.68816E-05	4.22603E-05
7252	6.92092E-05	7.23454E-05	1.46533E-05	6.12635E-05	4.14141E-05	7.03977E-05	7.33229E-05	8.48113E-06	6.12635E-05	4.42568E-05
7253	7.65672E-05	8.00304E-05	1.6322E-05	6.78856E-05	4.3713E-05	7.78949E-05	8.11242E-05	9.54259E-06	6.78856E-05	4.68131E-05
7254	8.39253E-05	8.77157E-05	1.79887E-05	7.36446E-05	4.41125E-05	8.50903E-05	8.8599E-05	1.08229E-05	7.36446E-05	4.67099E-05
7255	8.73956E-05	9.13191E-05	1.91432E-05	7.63628E-05	0.000134513	8.83867E-05	9.19997E-05	1.19115E-05	7.63628E-05	0.000130872
7256	8.09638E-05	8.45455E-05	1.86572E-05	7.34446E-05	0.000133779	8.26019E-05	8.59499E-05	1.17382E-05	7.34446E-05	0.000129505
7257	7.7417E-05	8.08386E-05	1.7895E-05	6.9299E-05	0.000133981	7.86398E-05	8.18118E-05	1.14994E-05	6.9299E-05	0.000129725
7258	7.6407E-05	7.97834E-05	1.76706E-05	6.73432E-05	0.000134137	7.72421E-05	8.03422E-05	1.1624E-05	6.73432E-05	0.000129894
7259	7.56158E-05	7.89593E-05	1.74514E-05	6.553E-05	0.000134556	7.60629E-05	7.91007E-05	1.17631E-05	6.553E-05	0.000130356
7260	7.4727E-05	7.80335E-05	1.72088E-05	6.49327E-05	0.00012009	7.52418E-05	7.82507E-05	1.15546E-05	6.49327E-05	0.000116994
7261	7.60216E-05	7.93893E-05	1.74372E-05	6.59595E-05	0.0001199	7.65338E-05	7.95954E-05	1.17311E-05	6.59595E-05	0.000116782
7262	7.70419E-05	8.04587E-05	1.76048E-05	6.74698E-05	0.00011887	7.7802E-05	8.09258E-05	1.16827E-05	6.74698E-05	0.000115637
7263	8.03809E-05	8.39481E-05	1.83262E-05	7.0968E-05	0.000132032	8.13889E-05	8.46665E-05	1.20135E-05	7.0968E-05	0.000127545
7264	8.67168E-05	9.05696E-05	1.96949E-05	7.65002E-05	0.000130151	8.78075E-05	9.13453E-05	1.29233E-05	7.65002E-05	0.000125452
7265	9.4633E-05	9.885E-05	2.12737E-05	8.25616E-05	0.000128675	9.55717E-05	9.94168E-05	1.41854E-05	8.25616E-05	0.000123813
7266	0.000103348	0.000107954	2.32194E-05	8.71767E-05	0.000127811	0.00010333	0.000107444	1.6245E-05	8.71767E-05	0.000122855
7267	0.000111641	0.000116605	2.52838E-05	8.95493E-05	9.76835E-05	0.000109935	0.000114237	1.88687E-05	8.95493E-05	9.48107E-05
7268	0.000111518	0.000116468	2.54093E-05	8.66737E-05	6.87993E-05	0.00010879	0.000113	1.96636E-05	8.66737E-05	6.86957E-05
7269	0.00010579	0.000110492	2.39926E-05	8.03247E-05	5.29518E-05	0.00010255	0.000106505	1.88316E-05	8.03247E-05	5.38025E-05
7270	9.97041E-05	0.000104182	2.18129E-05	7.33183E-05	3.86816E-05	9.59934E-05	9.97264E-05	1.69778E-05	7.33183E-05	4.12073E-05
7271	8.82731E-05	9.22445E-05	1.91869E-05	6.6273E-05	3.80321E-05	8.5494E-05	8.88491E-05	1.4478E-05	6.6273E-05	4.04869E-05
7272	7.89596E-05	8.25234E-05	1.69643E-05	6.21641E-05	3.76891E-05	7.75388E-05	8.06367E-05	1.19669E-05	6.21641E-05	4.01076E-05
7273	6.7519E-05	7.05817E-05	1.42408E-05	5.53766E-05	3.79734E-05	6.71543E-05	6.98861E-05	9.33106E-06	5.53766E-05	4.04219E-05
7274	6.4961E-05	6.79134E-05	1.36014E-05	5.50307E-05	3.84492E-05	6.52532E-05	6.79382E-05	8.42147E-06	5.50307E-05	4.09534E-05
7275	6.54874E-05	6.84607E-05	1.37649E-05	5.68816E-05	3.96212E-05	6.6258E-05	6.90021E-05	8.17679E-06	5.68816E-05	4.22603E-05
7276	6.92092E-05	7.23454E-05	1.46533E-05	6.12635E-05	4.14141E-05	7.03977E-05	7.33229E-05	8.48113E-06	6.12635E-05	4.42568E-05
7277	7.65672E-05	8.00304E-05	1.6322E-05	6.78856E-05	4.3713E-05	7.78949E-05	8.11242E-05	9.54259E-06	6.78856E-05	4.68131E-05
7278	8.39253E-05	8.77157E-05	1.79887E-05	7.36446E-05	4.41125E-05	8.50903E-05	8.8599E-05	1.08229E-05	7.36446E-05	4.67099E-05
7279	8.73956E-05	9.13191E-05	1.91432E-05	7.63628E-05	0.000134513	8.83867E-05	9.19997E-05	1.19115E-05	7.63628E-05	0.000130872
7280	8.09638E-05	8.45455E-05	1.86572E-05	7.34446E-05	0.000133779	8.26019E-05	8.59499E-05	1.17382E-05	7.34446E-05	0.000129505
7281	7.7417E-05	8.08386E-05	1.7895E-05	6.9299E-05	0.000133981	7.86398E-05	8.18118E-05	1.14994E-05	6.9299E-05	0.000129725
7282	7.6407E-05	7.97834E-05	1.76706E-05	6.73432E-05	0.000134137	7.72421E-05	8.03422E-05	1.1624E-05	6.73432E-05	0.000129894
7283	7.56158E-05	7.89593E-05	1.74514E-05	6.553E-05	0.000134556	7.60629E-05	7.91007E-05	1.17631E-05	6.553E-05	0.000130356
7284	7.4727E-05	7.80335E-05	1.72088E-05	6.49327E-05	0.00012009	7.52418E-05	7.82507E-05	1.15546E-05	6.49327E-05	0.000116994
7285	7.60216E-05	7.93893E-05	1.74372E-05	6.59595E-05	0.0001199	7.65338E-05	7.95954E-05	1.17311E-05	6.59595E-05	0.000116782
7286	7.70419E-05	8.04587E-05	1.76048E-05	6.74698E-05	0.00011887	7.7802E-05	8.09258E-05	1.16827E-05	6.74698E-05	0.000115637
7287	8.03809E-05	8.39481E-05	1.83262E-05	7.0968E-05	0.000132032	8.13889E-05	8.46665E-05	1.20135E-05	7.0968E-05	0.000127545

7288	8.67168E-05	9.05696E-05	1.96949E-05	7.65002E-05	0.000130151	8.78075E-05	9.13453E-05	1.29233E-05	7.65002E-05	0.000125452
7289	9.4633E-05	9.885E-05	2.12737E-05	8.25616E-05	0.000128675	9.55717E-05	9.94168E-05	1.41854E-05	8.25616E-05	0.000123813
7290	0.000103348	0.000107954	2.32194E-05	8.71767E-05	0.000127811	0.00010333	0.000107444	1.6245E-05	8.71767E-05	0.000122855
7291	0.000111641	0.000116605	2.52838E-05	8.95493E-05	9.76835E-05	0.000109935	0.000114237	1.88687E-05	8.95493E-05	9.48107E-05
7292	0.000111518	0.000116468	2.54093E-05	8.66737E-05	6.87993E-05	0.00010879	0.000113	1.96636E-05	8.66737E-05	6.86957E-05
7293	0.00010579	0.000110492	2.39926E-05	8.03247E-05	5.29518E-05	0.00010255	0.000106505	1.88316E-05	8.03247E-05	5.38025E-05
7294	9.97041E-05	0.000104182	2.18129E-05	7.33183E-05	3.86816E-05	9.59934E-05	9.97264E-05	1.69778E-05	7.33183E-05	4.12073E-05
7295	8.82731E-05	9.22445E-05	1.91869E-05	6.6273E-05	3.80321E-05	8.5494E-05	8.88491E-05	1.4478E-05	6.6273E-05	4.04869E-05
7296	7.89596E-05	8.25234E-05	1.69643E-05	6.21641E-05	3.76891E-05	7.75388E-05	8.06367E-05	1.19669E-05	6.21641E-05	4.01076E-05
7297	6.76419E-05	7.07105E-05	1.42622E-05	5.54638E-05	3.78147E-05	6.72734E-05	7.001E-05	9.3503E-06	5.54638E-05	4.0247E-05
7298	6.49577E-05	6.79102E-05	1.35975E-05	5.5008E-05	3.82634E-05	6.5244E-05	6.79285E-05	8.42384E-06	5.5008E-05	4.07484E-05
7299	6.5531E-05	6.8506E-05	1.3778E-05	5.69459E-05	3.94331E-05	6.63102E-05	6.90566E-05	8.17889E-06	5.69459E-05	4.20528E-05
7300	6.9222E-05	7.23584E-05	1.4661E-05	6.13066E-05	4.11899E-05	7.04202E-05	7.33466E-05	8.47832E-06	6.13066E-05	4.40088E-05
7301	7.66099E-05	8.00742E-05	1.63447E-05	6.80089E-05	4.34924E-05	7.7964E-05	8.11968E-05	9.53615E-06	6.80089E-05	4.65689E-05
7302	8.39595E-05	8.7751E-05	1.80034E-05	7.37221E-05	4.38876E-05	8.51393E-05	8.86505E-05	1.08208E-05	7.37221E-05	4.64608E-05
7303	8.56465E-05	8.94754E-05	1.90395E-05	7.60226E-05	0.000134347	8.69703E-05	9.05198E-05	1.18388E-05	7.60226E-05	0.000130688
7304	8.04397E-05	8.39986E-05	1.85302E-05	7.28558E-05	0.000133648	8.20295E-05	8.53528E-05	1.16868E-05	7.28558E-05	0.00012936
7305	7.63459E-05	7.97211E-05	1.76298E-05	6.80612E-05	0.00013394	7.74597E-05	8.05807E-05	1.13992E-05	6.80612E-05	0.000129679
7306	7.5276E-05	7.86035E-05	1.7391E-05	6.60385E-05	0.000134141	7.59967E-05	7.9043E-05	1.15179E-05	6.60385E-05	0.000129896
7307	7.45899E-05	7.7889E-05	1.71976E-05	6.43456E-05	0.000134604	7.4933E-05	7.79219E-05	1.1667E-05	6.43456E-05	0.000130408
7308	7.38251E-05	7.70916E-05	1.70024E-05	6.39938E-05	0.000120127	7.42788E-05	7.72469E-05	1.14557E-05	6.39938E-05	0.000117034
7309	7.52691E-05	7.86031E-05	1.72717E-05	6.52174E-05	0.000119938	7.57427E-05	7.8771E-05	1.16427E-05	6.52174E-05	0.000116822
7310	7.63876E-05	7.97751E-05	1.7459E-05	6.68126E-05	0.000118938	7.71104E-05	8.02051E-05	1.16075E-05	6.68126E-05	0.00011571
7311	7.95477E-05	8.30779E-05	1.81376E-05	7.01137E-05	0.000132128	8.05031E-05	8.37433E-05	1.19202E-05	7.01137E-05	0.000127649
7312	8.58656E-05	8.96806E-05	1.94999E-05	7.56131E-05	0.000130252	8.68983E-05	9.03976E-05	1.283E-05	7.56131E-05	0.000125563
7313	9.39697E-05	9.81572E-05	2.11234E-05	8.18806E-05	0.000128767	9.48664E-05	9.86816E-05	1.41113E-05	8.18806E-05	0.000123914
7314	0.00010279	0.000107372	2.30902E-05	8.65867E-05	0.000127893	0.000102731	0.00010682	1.6185E-05	8.65867E-05	0.000122945
7315	0.000111309	0.000116259	2.52025E-05	8.91716E-05	9.7737E-05	0.00010957	0.000113857	1.88367E-05	8.91716E-05	9.48693E-05
7316	0.000111008	0.000115935	2.5289E-05	8.6121E-05	6.88623E-05	0.000108238	0.000112425	1.96106E-05	8.6121E-05	6.87648E-05
7317	0.000106885	0.000111653	2.394E-05	7.99435E-05	5.30423E-05	0.000103256	0.000107244	1.88383E-05	7.99435E-05	5.39022E-05
7318	9.91733E-05	0.000103628	2.16825E-05	7.27112E-05	3.87692E-05	9.54105E-05	9.91184E-05	1.69273E-05	7.27112E-05	4.13035E-05
7319	8.76857E-05	9.16313E-05	1.90484E-05	6.56366E-05	3.81216E-05	8.48594E-05	8.81874E-05	1.4417E-05	6.56366E-05	4.05852E-05
7320	7.85086E-05	8.20527E-05	1.68565E-05	6.16667E-05	3.78238E-05	7.7049E-05	8.01259E-05	1.19213E-05	6.16667E-05	4.02559E-05
7321	7.759E-05	8.10834E-05	1.68193E-05	6.75345E-05	3.64571E-05	7.84041E-05	8.16264E-05	1.01999E-05	6.75345E-05	3.87552E-05
7322	7.44068E-05	7.77598E-05	1.60784E-05	6.67913E-05	3.66792E-05	7.59109E-05	7.90633E-05	9.18595E-06	6.67913E-05	3.90033E-05
7323	7.35031E-05	7.68139E-05	1.59086E-05	6.71166E-05	3.7251E-05	7.53777E-05	7.85237E-05	8.78953E-06	6.71166E-05	3.96415E-05
7324	7.62482E-05	7.96796E-05	1.65549E-05	7.03686E-05	3.84766E-05	7.8441E-05	8.17216E-05	9.00269E-06	7.03686E-05	4.10068E-05
7325	8.33171E-05	8.70621E-05	1.81689E-05	7.67596E-05	3.98876E-05	8.56503E-05	8.92233E-05	1.00226E-05	7.67596E-05	4.25779E-05
7326	9.24887E-05	9.6644E-05	2.02037E-05	8.41197E-05	3.99103E-05	9.46968E-05	9.86254E-05	1.15423E-05	8.41197E-05	4.20551E-05
7327	9.5665E-05	9.99237E-05	2.15807E-05	8.79712E-05	0.000129911	9.81181E-05	0.000102153	1.27236E-05	8.79712E-05	0.000125771
7328	9.35026E-05	9.76299E-05	2.17047E-05	8.75862E-05	0.000128893	9.63128E-05	0.000100251	1.29603E-05	8.75862E-05	0.000124089
7329	9.11879E-05	9.52101E-05	2.12173E-05	8.46791E-05	0.000129006	9.36531E-05	9.747E-05	1.28628E-05	8.46791E-05	0.000124212
7330	9.00897E-05	9.40757E-05	2.07495E-05	8.12668E-05	0.000129147	9.1756E-05	9.54688E-05	1.31702E-05	8.12668E-05	0.000124366
7331	8.95829E-05	9.35553E-05	2.04788E-05	7.90376E-05	0.000129648	9.0669E-05	9.43176E-05	1.34409E-05	7.90376E-05	0.000124921
7332	8.78198E-05	9.17216E-05	1.99452E-05	7.69739E-05	0.000115404	8.87493E-05	9.23179E-05	1.3215E-05	7.69739E-05	0.000111806
7333	8.71793E-05	9.10493E-05	1.98587E-05	7.67688E-05	0.000115706	8.82076E-05	9.17575E-05	1.30688E-05	7.67688E-05	0.000112141
7334	8.71374E-05	9.10043E-05	1.98684E-05	7.76935E-05	0.000115331	8.8496E-05	9.20708E-05	1.28305E-05	7.76935E-05	0.000111723
7335	8.91781E-05	9.31392E-05	2.02725E-05	7.97174E-05	0.000129127	9.06603E-05	9.43276E-05	1.30362E-05	7.97174E-05	0.000124338
7336	9.57744E-05	0.000100034	2.1674E-05	8.53567E-05	0.000127637	9.73082E-05	0.000101244	1.39976E-05	8.53567E-05	0.00012268
7337	0.000105649	0.000110356	2.3766E-05	9.38541E-05	0.000126603	0.000107281	0.000111621	1.54185E-05	9.38541E-05	0.000121529
7338	0.000116128	0.000121303	2.611E-05	0.000100273	0.000125776	0.000116913	0.000121602	1.76762E-05	0.000100273	0.000120609
7339	0.000124793	0.000130343	2.82468E-05	0.000102955	9.56088E-05	0.000123892	0.000128783	2.03517E-05	0.000102955	9.25188E-05
7340	0.000125199	0.000130758	2.85096E-05	0.000100729	6.70745E-05	0.000123341	0.000128167	2.11908E-05	0.000100729	6.67909E-05
7341	0.000122864	0.000128341	2.75921E-05	9.65496E-05	5.1631E-05	0.000120309	0.000125019	2.05954E-05	9.65496E-05	5.23466E-05
7342	0.000115767	0.000120957	2.54897E-05	9.00451E-05	3.76779E-05	0.000113146	0.000117606	1.87394E-05	9.00451E-05	4.01042E-05
7343	0.000103203	0.000107833	2.26605E-05	8.21633E-05	3.69111E-05	0.000101538	0.000105576	1.60667E-05	8.21633E-05	3.92519E-05
7344	9.24458E-05	9.65993E-05	2.01905E-05	7.70587E-05	3.63595E-05	9.21919E-05	9.59179E-05	1.33257E-05	7.70587E-05	3.86389E-05
7345	7.759E-05	8.10834E-05	1.68193E-05	6.75345E-05	3.64571E-05	7.84041E-05	8.16264E-05	1.01999E-05	6.75345E-05	3.87552E-05
7346	7.44068E-05	7.77598E-05	1.60784E-05	6.67913E-05	3.66792E-05	7.59109E-05	7.90633E-05	9.18595E-06	6.67913E-05	3.90033E-05
7347	7.35031E-05	7.68139E-05	1.59086E-05	6.71166E-05	3.7251E-05	7.53777E-05	7.85237E-05	8.78953E-06	6.71166E-05	3.96415E-05
7348	7.62482E-05	7.96796E-05	1.65549E-05	7.03686E-05	3.84766E-05	7.8441E-05	8.17216E-05	9.00269E-06	7.03686E-05	4.10068E-05
7349	8.33171E-05	8.70621E-05	1.81689E-05	7.67596E-05	3.98876E-05	8.56503E-05	8.92233E-05	1.00226E-05	7.67596E-05	4.25779E-05
7350	9.24887E-05	9.6644E-05	2.02037E-05	8.41197E-05	3.99103E-05	9.46968E-05	9.86254E-05	1.15423E-05	8.41197E-05	4.20551E-05
7351	9.5665E-05	9.99237E-05	2.15807E-05	8.79712E-05	0.000129911	9.81181E-05	0.000102153	1.27236E-05	8.79712E-05	0.000125771
7352	9.35026E-05	9.76299E-05	2.17047E-05	8.75862E-05	0.000128893	9.63128E-05	0.000100251	1.29603E-05	8.75862E-05	0.000124089
7353	9.11879E-05	9.52101E-05	2.12173E-05	8.46791E-05	0.000129006	9.36531E-05	9.747E-05	1.28628E-05	8.46791E-05	0.000124212
7354	9.00897E-05	9.40757E-05	2.07495E-05	8.12668E-05	0.000129147	9.1756E-05	9.54688E-05	1.31702E-05	8.12668E-05	0.000124366
7355	8.95829E-05	9.35553E-05	2.04788E-05	7.90376E-05	0.000129648	9.0669E-05	9.43176E-05	1.34409E-05	7.90376E-05	0.000124921
7356	8.78198E-05	9.17216E-05	1.99452E-05	7.69739E-05	0.000115404	8.87493E-05	9.23179E-05	1.3215E-05	7.69739E-05	0.000111806
7357	8.71793E-05	9.10493E-05	1.98587E-05	7.67688E-05	0.000115706	8.82076E-05	9.17575E-05	1.30688E-05	7.67688E-05	0.000112141
7358	8.71374E-05	9.10043E-05	1.98684E-05	7.76935E-05	0.000115331	8.8496E-05	9.20708E-05	1.28305E-05	7.76935E-05	0.000111723
7359	8.91781E-05	9.31392E-05	2.02725E-05	7.97174E-05	0.000129127	9.06603E-05	9.43276E-05	1.30362E-05	7.97174E-05	0.000124338
7360	9.57744E-05	0.000100034	2.1674E-05	8.53567E-05	0.000127637	9.73082E-05	0.000101244	1.39976E-05	8.53567E-05	0.00012268
7361	0.000105649	0.000110356	2.3766E-05	9.38541E-05	0.000126603	0.000107281	0.000111621	1.54185E-05	9.38541E-05	0.000121529
7362	0.000116128	0.000121303	2.611E-05	0.000100273	0.000125776	0.000116913	0.000121602	1.76762E-05	0.000100273	0.000120609
7363	0.000124793	0.000130343	2.82468E-05	0.000102955	9.56088E-05	0.000123892	0.000128783	2.03517E-05	0.000102955	9.25188E-05

7364	0.000125199	0.000130758	2.85096E-05	0.000100729	6.70745E-05	0.000123341	0.000128167	2.11908E-05	0.000100729	6.67909E-05
7365	0.000122864	0.000128341	2.75921E-05	9.65496E-05	5.1631E-05	0.000120309	0.000125019	2.05954E-05	9.65496E-05	5.23466E-05
7366	0.000115767	0.000120957	2.54897E-05	9.00451E-05	3.76779E-05	0.000113146	0.000117606	1.87394E-05	9.00451E-05	4.01042E-05
7367	0.000103203	0.000107833	2.26605E-05	8.21633E-05	3.69111E-05	0.000101538	0.000105576	1.60667E-05	8.21633E-05	3.92519E-05
7368	9.24458E-05	9.65993E-05	2.01905E-05	7.70587E-05	3.63595E-05	9.21919E-05	9.59179E-05	1.33257E-05	7.70587E-05	3.86389E-05
7369	7.759E-05	8.10834E-05	1.68193E-05	6.75345E-05	3.64571E-05	7.84041E-05	8.16264E-05	1.01999E-05	6.75345E-05	3.87552E-05
7370	7.44068E-05	7.77598E-05	1.60784E-05	6.67913E-05	3.66792E-05	7.59109E-05	7.90633E-05	9.18595E-06	6.67913E-05	3.90033E-05
7371	7.35031E-05	7.68139E-05	1.59086E-05	6.71166E-05	3.7251E-05	7.53777E-05	7.85237E-05	8.78953E-06	6.71166E-05	3.96415E-05
7372	7.62482E-05	7.96796E-05	1.65549E-05	7.03686E-05	3.84766E-05	7.8441E-05	8.17216E-05	9.00269E-06	7.03686E-05	4.10068E-05
7373	8.33171E-05	8.70621E-05	1.81689E-05	7.67596E-05	3.98876E-05	8.56503E-05	8.92233E-05	1.00226E-05	7.67596E-05	4.25779E-05
7374	9.24887E-05	9.6644E-05	2.02037E-05	8.41197E-05	3.99103E-05	9.46968E-05	9.86254E-05	1.15423E-05	8.41197E-05	4.20551E-05
7375	9.5665E-05	9.99237E-05	2.15807E-05	8.79712E-05	0.000129911	9.81181E-05	0.000102153	1.27236E-05	8.79712E-05	0.000125771
7376	9.35026E-05	9.76299E-05	2.17047E-05	8.75862E-05	0.000128893	9.63128E-05	0.000100251	1.29603E-05	8.75862E-05	0.000124089
7377	9.11879E-05	9.52101E-05	2.12173E-05	8.46791E-05	0.000129006	9.36531E-05	9.747E-05	1.28628E-05	8.46791E-05	0.000124212
7378	9.00897E-05	9.40757E-05	2.07495E-05	8.12668E-05	0.000129147	9.1756E-05	9.54688E-05	1.31702E-05	8.12668E-05	0.000124366
7379	8.95829E-05	9.35553E-05	2.04788E-05	7.90376E-05	0.000129648	9.0669E-05	9.43176E-05	1.34409E-05	7.90376E-05	0.000124921
7380	8.78198E-05	9.17216E-05	1.99452E-05	7.69739E-05	0.000115404	8.87493E-05	9.23179E-05	1.3215E-05	7.69739E-05	0.000111806
7381	8.71793E-05	9.10493E-05	1.98587E-05	7.67688E-05	0.000115706	8.82076E-05	9.17575E-05	1.30688E-05	7.67688E-05	0.000112141
7382	8.71374E-05	9.10043E-05	1.98684E-05	7.76935E-05	0.000115331	8.8496E-05	9.20708E-05	1.28305E-05	7.76935E-05	0.000111723
7383	8.91781E-05	9.31392E-05	2.02725E-05	7.97174E-05	0.000129127	9.06603E-05	9.43276E-05	1.30362E-05	7.97174E-05	0.000124338
7384	9.57744E-05	0.000100034	2.1674E-05	8.53567E-05	0.000127637	9.73082E-05	0.000101244	1.39976E-05	8.53567E-05	0.00012268
7385	0.000105649	0.000110356	2.3766E-05	9.38541E-05	0.000126603	0.000107281	0.000111621	1.54185E-05	9.38541E-05	0.000121529
7386	0.000116128	0.000121303	2.611E-05	0.000100273	0.000125776	0.000116913	0.000121602	1.76762E-05	0.000100273	0.000120609
7387	0.000124793	0.000130343	2.82468E-05	0.000102955	9.56088E-05	0.000123892	0.000128783	2.03517E-05	0.000102955	9.25188E-05
7388	0.000125199	0.000130758	2.85096E-05	0.000100729	6.70745E-05	0.000123341	0.000128167	2.11908E-05	0.000100729	6.67909E-05
7389	0.000122864	0.000128341	2.75921E-05	9.65496E-05	5.1631E-05	0.000120309	0.000125019	2.05954E-05	9.65496E-05	5.23466E-05
7390	0.000115767	0.000120957	2.54897E-05	9.00451E-05	3.76779E-05	0.000113146	0.000117606	1.87394E-05	9.00451E-05	4.01042E-05
7391	0.000103203	0.000107833	2.26605E-05	8.21633E-05	3.69111E-05	0.000101538	0.000105576	1.60667E-05	8.21633E-05	3.92519E-05
7392	9.24458E-05	9.65993E-05	2.01905E-05	7.70587E-05	3.63595E-05	9.21919E-05	9.59179E-05	1.33257E-05	7.70587E-05	3.86389E-05
7393	7.759E-05	8.10834E-05	1.68193E-05	6.75345E-05	3.64571E-05	7.84041E-05	8.16264E-05	1.01999E-05	6.75345E-05	3.87552E-05
7394	7.44068E-05	7.77598E-05	1.60784E-05	6.67913E-05	3.66792E-05	7.59109E-05	7.90633E-05	9.18595E-06	6.67913E-05	3.90033E-05
7395	7.35031E-05	7.68139E-05	1.59086E-05	6.71166E-05	3.7251E-05	7.53777E-05	7.85237E-05	8.78953E-06	6.71166E-05	3.96415E-05
7396	7.62482E-05	7.96796E-05	1.65549E-05	7.03686E-05	3.84766E-05	7.8441E-05	8.17216E-05	9.00269E-06	7.03686E-05	4.10068E-05
7397	8.33171E-05	8.70621E-05	1.81689E-05	7.67596E-05	3.98876E-05	8.56503E-05	8.92233E-05	1.00226E-05	7.67596E-05	4.25779E-05
7398	9.24887E-05	9.6644E-05	2.02037E-05	8.41197E-05	3.99103E-05	9.46968E-05	9.86254E-05	1.15423E-05	8.41197E-05	4.20551E-05
7399	9.5665E-05	9.99237E-05	2.15807E-05	8.79712E-05	0.000129911	9.81181E-05	0.000102153	1.27236E-05	8.79712E-05	0.000125771
7400	9.35026E-05	9.76299E-05	2.17047E-05	8.75862E-05	0.000128893	9.63128E-05	0.000100251	1.29603E-05	8.75862E-05	0.000124089
7401	9.11879E-05	9.52101E-05	2.12173E-05	8.46791E-05	0.000129006	9.36531E-05	9.747E-05	1.28628E-05	8.46791E-05	0.000124212
7402	9.00897E-05	9.40757E-05	2.07495E-05	8.12668E-05	0.000129147	9.1756E-05	9.54688E-05	1.31702E-05	8.12668E-05	0.000124366
7403	8.95829E-05	9.35553E-05	2.04788E-05	7.90376E-05	0.000129648	9.0669E-05	9.43176E-05	1.34409E-05	7.90376E-05	0.000124921
7404	8.78198E-05	9.17216E-05	1.99452E-05	7.69739E-05	0.000115404	8.87493E-05	9.23179E-05	1.3215E-05	7.69739E-05	0.000111806
7405	8.71793E-05	9.10493E-05	1.98587E-05	7.67688E-05	0.000115706	8.82076E-05	9.17575E-05	1.30688E-05	7.67688E-05	0.000112141
7406	8.71374E-05	9.10043E-05	1.98684E-05	7.76935E-05	0.000115331	8.8496E-05	9.20708E-05	1.28305E-05	7.76935E-05	0.000111723
7407	8.91781E-05	9.31392E-05	2.02725E-05	7.97174E-05	0.000129127	9.06603E-05	9.43276E-05	1.30362E-05	7.97174E-05	0.000124338
7408	9.57744E-05	0.000100034	2.1674E-05	8.53567E-05	0.000127637	9.73082E-05	0.000101244	1.39976E-05	8.53567E-05	0.00012268
7409	0.000105649	0.000110356	2.3766E-05	9.38541E-05	0.000126603	0.000107281	0.000111621	1.54185E-05	9.38541E-05	0.000121529
7410	0.000116128	0.000121303	2.611E-05	0.000100273	0.000125776	0.000116913	0.000121602	1.76762E-05	0.000100273	0.000120609
7411	0.000124793	0.000130343	2.82468E-05	0.000102955	9.56088E-05	0.000123892	0.000128783	2.03517E-05	0.000102955	9.25188E-05
7412	0.000125199	0.000130758	2.85096E-05	0.000100729	6.70745E-05	0.000123341	0.000128167	2.11908E-05	0.000100729	6.67909E-05
7413	0.000122864	0.000128341	2.75921E-05	9.65496E-05	5.1631E-05	0.000120309	0.000125019	2.05954E-05	9.65496E-05	5.23466E-05
7414	0.000115767	0.000120957	2.54897E-05	9.00451E-05	3.76779E-05	0.000113146	0.000117606	1.87394E-05	9.00451E-05	4.01042E-05
7415	0.000103203	0.000107833	2.26605E-05	8.21633E-05	3.69111E-05	0.000101538	0.000105576	1.60667E-05	8.21633E-05	3.92519E-05
7416	9.24458E-05	9.65993E-05	2.01905E-05	7.70587E-05	3.63595E-05	9.21919E-05	9.59179E-05	1.33257E-05	7.70587E-05	3.86389E-05
7417	7.84725E-05	8.20065E-05	1.69959E-05	6.82981E-05	3.62314E-05	7.93003E-05	8.25593E-05	1.03185E-05	6.82981E-05	3.85032E-05
7418	7.42615E-05	7.76072E-05	1.60601E-05	6.67319E-05	3.67196E-05	7.5783E-05	7.89307E-05	9.15705E-06	6.67319E-05	3.90487E-05
7419	7.33899E-05	7.66948E-05	1.58978E-05	6.70916E-05	3.73109E-05	7.52844E-05	7.84272E-05	8.76403E-06	6.70916E-05	3.97087E-05
7420	7.61524E-05	7.95781E-05	1.65581E-05	7.04224E-05	3.85639E-05	7.83843E-05	8.16637E-05	8.97053E-06	7.04224E-05	4.11044E-05
7421	8.32544E-05	8.69958E-05	1.81698E-05	7.67875E-05	4.00051E-05	8.56111E-05	8.91831E-05	1.00026E-05	7.67875E-05	4.2709E-05
7422	9.23536E-05	9.65025E-05	2.01803E-05	8.40251E-05	4.00942E-05	9.45662E-05	9.84897E-05	1.1521E-05	8.40251E-05	4.22601E-05
7423	9.70761E-05	0.000101415	2.16052E-05	8.79478E-05	0.000130243	9.91702E-05	0.000103253	1.27609E-05	8.79478E-05	0.000126141
7424	9.30714E-05	9.71792E-05	2.16131E-05	8.71808E-05	0.000129373	9.58654E-05	9.97847E-05	1.29068E-05	8.71808E-05	0.000124624
7425	9.03965E-05	9.43813E-05	2.10779E-05	8.41101E-05	0.000129485	9.28838E-05	9.66702E-05	1.27401E-05	8.41101E-05	0.000124746
7426	8.90044E-05	9.2941E-05	2.05238E-05	8.02759E-05	0.000129601	9.06385E-05	9.4305E-05	1.30316E-05	8.02759E-05	0.000124871
7427	8.81964E-05	9.21053E-05	2.01968E-05	7.78096E-05	0.000130088	8.92526E-05	9.28429E-05	1.32585E-05	7.78096E-05	0.00012541
7428	8.63683E-05	9.02031E-05	1.96572E-05	7.57325E-05	0.00011585	8.72795E-05	9.0788E-05	1.30177E-05	7.57325E-05	0.000112302
7429	8.58561E-05	8.96658E-05	1.95838E-05	7.55618E-05	0.000116154	8.68454E-05	9.03389E-05	1.28996E-05	7.55618E-05	0.000112639
7430	8.55295E-05	8.93228E-05	1.95414E-05	7.62704E-05	0.000115687	8.68538E-05	9.0361E-05	1.26188E-05	7.62704E-05	0.000112119
7431	8.81864E-05	9.2102E-05	2.00707E-05	7.88389E-05	0.000129421	8.96471E-05	9.32727E-05	1.29057E-05	7.88389E-05	0.000124664
7432	9.49116E-05	9.91334E-05	2.14699E-05	8.44178E-05	0.000127878	9.63749E-05	0.000100271	1.39087E-05	8.44178E-05	0.000122947
7433	0.000105087	0.000109769	2.36284E-05	9.32146E-05	0.000126801	0.000106665	0.000110978	1.53645E-05	9.32146E-05	0.000121748
7434	0.000115365	0.000120506	2.59261E-05	9.94219E-05	0.000125931	0.000116082	0.000120734	1.76005E-05	9.94219E-05	0.000120781
7435	0.00012408	0.000129598	2.8086E-05	0.000102227	9.57547E-05	0.000123135	0.000127995	2.02716E-05	0.000102227	9.2681E-05
7436	0.000124538	0.000130067	2.83503E-05	9.99917E-05	6.72092E-05	0.000122621	0.000127416	2.11251E-05	9.99917E-05	6.69409E-05
7437	0.000120582	0.00012594	2.73636E-05	9.56374E-05	5.17465E-05	0.000118318	0.000122941	2.04665E-05	9.56374E-05	5.24753E-05
7438	0.000115118	0.000120279	2.53362E-05	8.93392E-05	3.77733E-05	0.000112443	0.000116874	1.86724E-05	8.93392E-05	4.02104E-05
7439	0.000102754	0.000107365	2.25431E-05	8.16059E-05	3.69366E-05	0.000101032	0.000105048	1.60303E-05	8.16059E-05	3.92802E-05

7440	9.21243E-05	9.62641E-05	2.01083E-05	7.66712E-05	3.62904E-05	9.1833E-05	9.55433E-05	1.32979E-05	7.66712E-05	3.85619E-05
7441	7.84725E-05	8.20065E-05	1.69959E-05	6.82981E-05	3.62314E-05	7.93003E-05	8.25593E-05	1.03185E-05	6.82981E-05	3.85032E-05
7442	7.42615E-05	7.76072E-05	1.60601E-05	6.67319E-05	3.67196E-05	7.5783E-05	7.89307E-05	9.15705E-06	6.67319E-05	3.90487E-05
7443	7.33899E-05	7.66948E-05	1.58978E-05	6.70916E-05	3.73109E-05	7.52844E-05	7.84272E-05	8.76403E-06	6.70916E-05	3.97087E-05
7444	7.61524E-05	7.95781E-05	1.65581E-05	7.04224E-05	3.85639E-05	7.83843E-05	8.16637E-05	8.97053E-06	7.04224E-05	4.11044E-05
7445	8.32544E-05	8.69958E-05	1.81698E-05	7.67875E-05	4.00051E-05	8.56111E-05	8.91831E-05	1.00026E-05	7.67875E-05	4.2709E-05
7446	9.23536E-05	9.65025E-05	2.01803E-05	8.40251E-05	4.00942E-05	9.45662E-05	9.84897E-05	1.1521E-05	8.40251E-05	4.22601E-05
7447	9.70761E-05	0.000101415	2.16052E-05	8.79478E-05	0.000130243	9.91702E-05	0.000103253	1.27609E-05	8.79478E-05	0.000126141
7448	9.30714E-05	9.71792E-05	2.16131E-05	8.71808E-05	0.000129373	9.58654E-05	9.97847E-05	1.29068E-05	8.71808E-05	0.000124624
7449	9.03965E-05	9.43813E-05	2.10779E-05	8.41101E-05	0.000129485	9.28838E-05	9.66702E-05	1.27401E-05	8.41101E-05	0.000124746
7450	8.90044E-05	9.2941E-05	2.05238E-05	8.02759E-05	0.000129601	9.06385E-05	9.4305E-05	1.30316E-05	8.02759E-05	0.000124871
7451	8.81964E-05	9.21053E-05	2.01968E-05	7.78096E-05	0.000130088	8.92526E-05	9.28429E-05	1.32585E-05	7.78096E-05	0.00012541
7452	8.63683E-05	9.02031E-05	1.96572E-05	7.57325E-05	0.00011585	8.72795E-05	9.0788E-05	1.30177E-05	7.57325E-05	0.000112302
7453	8.58561E-05	8.96658E-05	1.95838E-05	7.55618E-05	0.000116154	8.68454E-05	9.03389E-05	1.28996E-05	7.55618E-05	0.000112639
7454	8.55295E-05	8.93228E-05	1.95414E-05	7.62704E-05	0.000115687	8.68538E-05	9.0361E-05	1.26188E-05	7.62704E-05	0.000112119
7455	8.81864E-05	9.2102E-05	2.00707E-05	7.88389E-05	0.000129421	8.96471E-05	9.32727E-05	1.29057E-05	7.88389E-05	0.000124664
7456	9.49116E-05	9.91334E-05	2.14699E-05	8.44178E-05	0.000127878	9.63749E-05	0.000100271	1.39087E-05	8.44178E-05	0.000122947
7457	0.000105087	0.000109769	2.36284E-05	9.32146E-05	0.000126801	0.000106665	0.000110978	1.53645E-05	9.32146E-05	0.000121748
7458	0.000115365	0.000120506	2.59261E-05	9.94219E-05	0.000125931	0.000116082	0.000120734	1.76005E-05	9.94219E-05	0.000120781
7459	0.00012408	0.000129598	2.8086E-05	0.000102227	9.57547E-05	0.000123135	0.000127995	2.02716E-05	0.000102227	9.2681E-05
7460	0.000124538	0.000130067	2.83503E-05	9.99917E-05	6.72092E-05	0.000122621	0.000127416	2.11251E-05	9.99917E-05	6.69409E-05
7461	0.000120582	0.00012594	2.73636E-05	9.56374E-05	5.17465E-05	0.000118318	0.000122941	2.04665E-05	9.56374E-05	5.24753E-05
7462	0.000115118	0.000120279	2.53362E-05	8.93392E-05	3.77733E-05	0.000112443	0.000116874	1.86724E-05	8.93392E-05	4.02104E-05
7463	0.000102754	0.000107365	2.25431E-05	8.16059E-05	3.69366E-05	0.000101032	0.000105048	1.60303E-05	8.16059E-05	3.92802E-05
7464	9.21243E-05	9.62641E-05	2.01083E-05	7.66712E-05	3.62904E-05	9.1833E-05	9.55433E-05	1.32979E-05	7.66712E-05	3.85619E-05
7465	7.759E-05	8.10834E-05	1.68193E-05	6.75345E-05	3.64571E-05	7.84041E-05	8.16264E-05	1.01999E-05	6.75345E-05	3.87552E-05
7466	7.44068E-05	7.77598E-05	1.60784E-05	6.67913E-05	3.66792E-05	7.59109E-05	7.90633E-05	9.18595E-06	6.67913E-05	3.90033E-05
7467	7.35031E-05	7.68139E-05	1.59086E-05	6.71166E-05	3.7251E-05	7.53777E-05	7.85237E-05	8.78953E-06	6.71166E-05	3.96415E-05
7468	7.62482E-05	7.96796E-05	1.65549E-05	7.03686E-05	3.84766E-05	7.8441E-05	8.17216E-05	9.00269E-06	7.03686E-05	4.10068E-05
7469	8.33171E-05	8.70621E-05	1.81689E-05	7.67596E-05	3.98876E-05	8.56503E-05	8.92233E-05	1.00226E-05	7.67596E-05	4.25779E-05
7470	9.24887E-05	9.6644E-05	2.02037E-05	8.41197E-05	3.99103E-05	9.46968E-05	9.86254E-05	1.15423E-05	8.41197E-05	4.20551E-05
7471	9.5665E-05	9.99237E-05	2.15807E-05	8.79712E-05	0.000129911	9.81181E-05	0.000102153	1.27236E-05	8.79712E-05	0.000125771
7472	9.35026E-05	9.76299E-05	2.17047E-05	8.75862E-05	0.000128893	9.63128E-05	0.000100251	1.29603E-05	8.75862E-05	0.000124089
7473	9.11879E-05	9.52101E-05	2.12173E-05	8.46791E-05	0.000129006	9.36531E-05	9.747E-05	1.28628E-05	8.46791E-05	0.000124212
7474	9.00897E-05	9.40757E-05	2.07495E-05	8.12668E-05	0.000129147	9.1756E-05	9.54688E-05	1.31702E-05	8.12668E-05	0.000124366
7475	8.95829E-05	9.35553E-05	2.04788E-05	7.90376E-05	0.000129648	9.0669E-05	9.43176E-05	1.34409E-05	7.90376E-05	0.000124921
7476	8.78198E-05	9.17216E-05	1.99452E-05	7.69739E-05	0.000115404	8.87493E-05	9.23179E-05	1.3215E-05	7.69739E-05	0.000111806
7477	8.71793E-05	9.10493E-05	1.98587E-05	7.67688E-05	0.000115706	8.82076E-05	9.17575E-05	1.30688E-05	7.67688E-05	0.000112141
7478	8.71374E-05	9.10043E-05	1.98684E-05	7.76935E-05	0.000115331	8.8496E-05	9.20708E-05	1.28305E-05	7.76935E-05	0.000111723
7479	8.91781E-05	9.31392E-05	2.02725E-05	7.97174E-05	0.000129127	9.06603E-05	9.43276E-05	1.30362E-05	7.97174E-05	0.000124338
7480	9.57744E-05	0.000100034	2.1674E-05	8.53567E-05	0.000127637	9.73082E-05	0.000101244	1.39976E-05	8.53567E-05	0.00012268
7481	0.000105649	0.000110356	2.3766E-05	9.38541E-05	0.000126603	0.000107281	0.000111621	1.54185E-05	9.38541E-05	0.000121529
7482	0.000116128	0.000121303	2.611E-05	0.000100273	0.000125776	0.000116913	0.000121602	1.76762E-05	0.000100273	0.000120609
7483	0.000124793	0.000130343	2.82468E-05	0.000102955	9.56088E-05	0.000123892	0.000128783	2.03517E-05	0.000102955	9.25188E-05
7484	0.000125199	0.000130758	2.85096E-05	0.000100729	6.70745E-05	0.000123341	0.000128167	2.11908E-05	0.000100729	6.67909E-05
7485	0.000122864	0.000128341	2.75921E-05	9.65496E-05	5.1631E-05	0.000120309	0.000125019	2.05954E-05	9.65496E-05	5.23466E-05
7486	0.000115767	0.000120957	2.54897E-05	9.00451E-05	3.76779E-05	0.000113146	0.000117606	1.87394E-05	9.00451E-05	4.01042E-05
7487	0.000103203	0.000107833	2.26605E-05	8.21633E-05	3.69111E-05	0.000101538	0.000105576	1.60667E-05	8.21633E-05	3.92519E-05
7488	9.24458E-05	9.65993E-05	2.01905E-05	7.70587E-05	3.63595E-05	9.21919E-05	9.59179E-05	1.33257E-05	7.70587E-05	3.86389E-05
7489	7.759E-05	8.10834E-05	1.68193E-05	6.75345E-05	3.64571E-05	7.84041E-05	8.16264E-05	1.01999E-05	6.75345E-05	3.87552E-05
7490	7.44068E-05	7.77598E-05	1.60784E-05	6.67913E-05	3.66792E-05	7.59109E-05	7.90633E-05	9.18595E-06	6.67913E-05	3.90033E-05
7491	7.35031E-05	7.68139E-05	1.59086E-05	6.71166E-05	3.7251E-05	7.53777E-05	7.85237E-05	8.78953E-06	6.71166E-05	3.96415E-05
7492	7.62482E-05	7.96796E-05	1.65549E-05	7.03686E-05	3.84766E-05	7.8441E-05	8.17216E-05	9.00269E-06	7.03686E-05	4.10068E-05
7493	8.33171E-05	8.70621E-05	1.81689E-05	7.67596E-05	3.98876E-05	8.56503E-05	8.92233E-05	1.00226E-05	7.67596E-05	4.25779E-05
7494	9.24887E-05	9.6644E-05	2.02037E-05	8.41197E-05	3.99103E-05	9.46968E-05	9.86254E-05	1.15423E-05	8.41197E-05	4.20551E-05
7495	9.5665E-05	9.99237E-05	2.15807E-05	8.79712E-05	0.000129911	9.81181E-05	0.000102153	1.27236E-05	8.79712E-05	0.000125771
7496	9.35026E-05	9.76299E-05	2.17047E-05	8.75862E-05	0.000128893	9.63128E-05	0.000100251	1.29603E-05	8.75862E-05	0.000124089
7497	9.11879E-05	9.52101E-05	2.12173E-05	8.46791E-05	0.000129006	9.36531E-05	9.747E-05	1.28628E-05	8.46791E-05	0.000124212
7498	9.00897E-05	9.40757E-05	2.07495E-05	8.12668E-05	0.000129147	9.1756E-05	9.54688E-05	1.31702E-05	8.12668E-05	0.000124366
7499	8.95829E-05	9.35553E-05	2.04788E-05	7.90376E-05	0.000129648	9.0669E-05	9.43176E-05	1.34409E-05	7.90376E-05	0.000124921
7500	8.78198E-05	9.17216E-05	1.99452E-05	7.69739E-05	0.000115404	8.87493E-05	9.23179E-05	1.3215E-05	7.69739E-05	0.000111806
7501	8.71793E-05	9.10493E-05	1.98587E-05	7.67688E-05	0.000115706	8.82076E-05	9.17575E-05	1.30688E-05	7.67688E-05	0.000112141
7502	8.71374E-05	9.10043E-05	1.98684E-05	7.76935E-05	0.000115331	8.8496E-05	9.20708E-05	1.28305E-05	7.76935E-05	0.000111723
7503	8.91781E-05	9.31392E-05	2.02725E-05	7.97174E-05	0.000129127	9.06603E-05	9.43276E-05	1.30362E-05	7.97174E-05	0.000124338
7504	9.57744E-05	0.000100034	2.1674E-05	8.53567E-05	0.000127637	9.73082E-05	0.000101244	1.39976E-05	8.53567E-05	0.00012268
7505	0.000105649	0.000110356	2.3766E-05	9.38541E-05	0.000126603	0.000107281	0.000111621	1.54185E-05	9.38541E-05	0.000121529
7506	0.000116128	0.000121303	2.611E-05	0.000100273	0.000125776	0.000116913	0.000121602	1.76762E-05	0.000100273	0.000120609
7507	0.000124793	0.000130343	2.82468E-05	0.000102955	9.56088E-05	0.000123892	0.000128783	2.03517E-05	0.000102955	9.25188E-05
7508	0.000125199	0.000130758	2.85096E-05	0.000100729	6.70745E-05	0.000123341	0.000128167	2.11908E-05	0.000100729	6.67909E-05
7509	0.000122864	0.000128341	2.75921E-05	9.65496E-05	5.1631E-05	0.000120309	0.000125019	2.05954E-05	9.65496E-05	5.23466E-05
7510	0.000115767	0.000120957	2.54897E-05	9.00451E-05	3.76779E-05	0.000113146	0.000117606	1.87394E-05	9.00451E-05	4.01042E-05
7511	0.000103203	0.000107833	2.26605E-05	8.21633E-05	3.69111E-05	0.000101538	0.000105576	1.60667E-05	8.21633E-05	3.92519E-05
7512	9.24458E-05	9.65993E-05	2.01905E-05	7.70587E-05	3.63595E-05	9.21919E-05	9.59179E-05	1.33257E-05	7.70587E-05	3.86389E-05
7513	7.759E-05	8.10834E-05	1.68193E-05	6.75345E-05	3.64571E-05	7.84041E-05	8.16264E-05	1.01999E-05	6.75345E-05	3.87552E-05
7514	7.44068E-05	7.77598E-05	1.60784E-05	6.67913E-05	3.66792E-05	7.59109E-05	7.90633E-05	9.18595E-06	6.67913E-05	3.90033E-05
7515	7.35031E-05	7.68139E-05	1.59086E-05	6.71166E-05	3.7251E-05	7.53777E-05	7.85237E-05	8.78953E-06	6.71166E-05	3.96415E-05

7516	7.62482E-05	7.96796E-05	1.65549E-05	7.03686E-05	3.84766E-05	7.8441E-05	8.17216E-05	9.00269E-06	7.03686E-05	4.10068E-05
7517	8.33171E-05	8.70621E-05	1.81689E-05	7.67596E-05	3.98876E-05	8.56503E-05	8.92233E-05	1.00226E-05	7.67596E-05	4.25779E-05
7518	9.24887E-05	9.6644E-05	2.02037E-05	8.41197E-05	3.99103E-05	9.46968E-05	9.86254E-05	1.15423E-05	8.41197E-05	4.20551E-05
7519	9.5665E-05	9.99237E-05	2.15807E-05	8.79712E-05	0.000129911	9.81181E-05	0.000102153	1.27236E-05	8.79712E-05	0.000125771
7520	9.35026E-05	9.76299E-05	2.17047E-05	8.75862E-05	0.000128893	9.63128E-05	0.000100251	1.29603E-05	8.75862E-05	0.000124089
7521	9.11879E-05	9.52101E-05	2.12173E-05	8.46791E-05	0.000129006	9.36531E-05	9.747E-05	1.28628E-05	8.46791E-05	0.000124212
7522	9.00897E-05	9.40757E-05	2.07495E-05	8.12668E-05	0.000129147	9.1756E-05	9.54688E-05	1.31702E-05	8.12668E-05	0.000124366
7523	8.95829E-05	9.35553E-05	2.04788E-05	7.90376E-05	0.000129648	9.0669E-05	9.43176E-05	1.34409E-05	7.90376E-05	0.000124921
7524	8.78198E-05	9.17216E-05	1.99452E-05	7.69739E-05	0.000115404	8.87493E-05	9.23179E-05	1.3215E-05	7.69739E-05	0.000111806
7525	8.71793E-05	9.10493E-05	1.98587E-05	7.67688E-05	0.000115706	8.82076E-05	9.17575E-05	1.30688E-05	7.67688E-05	0.000112141
7526	8.71374E-05	9.10043E-05	1.98684E-05	7.76935E-05	0.000115331	8.8496E-05	9.20708E-05	1.28305E-05	7.76935E-05	0.000111723
7527	8.91781E-05	9.31392E-05	2.02725E-05	7.97174E-05	0.000129127	9.06603E-05	9.43276E-05	1.30362E-05	7.97174E-05	0.000124338
7528	9.57744E-05	0.000100034	2.1674E-05	8.53567E-05	0.000127637	9.73082E-05	0.000101244	1.39976E-05	8.53567E-05	0.00012268
7529	0.000105649	0.000110356	2.3766E-05	9.38541E-05	0.000126603	0.000107281	0.000111621	1.54185E-05	9.38541E-05	0.000121529
7530	0.000116128	0.000121303	2.611E-05	0.000100273	0.000125776	0.000116913	0.000121602	1.76762E-05	0.000100273	0.000120609
7531	0.000124793	0.000130343	2.82468E-05	0.000102955	9.56088E-05	0.000123892	0.000128783	2.03517E-05	0.000102955	9.25188E-05
7532	0.000125199	0.000130758	2.85096E-05	0.000100729	6.70745E-05	0.000123341	0.000128167	2.11908E-05	0.000100729	6.67909E-05
7533	0.000122864	0.000128341	2.75921E-05	9.65496E-05	5.1631E-05	0.000120309	0.000125019	2.05954E-05	9.65496E-05	5.23466E-05
7534	0.000115767	0.000120957	2.54897E-05	9.00451E-05	3.76779E-05	0.000113146	0.000117606	1.87394E-05	9.00451E-05	4.01042E-05
7535	0.000103203	0.000107833	2.26605E-05	8.21633E-05	3.69111E-05	0.000101538	0.000105576	1.60667E-05	8.21633E-05	3.92519E-05
7536	9.24458E-05	9.65993E-05	2.01905E-05	7.70587E-05	3.63595E-05	9.21919E-05	9.59179E-05	1.33257E-05	7.70587E-05	3.86389E-05
7537	7.759E-05	8.10834E-05	1.68193E-05	6.75345E-05	3.64571E-05	7.84041E-05	8.16264E-05	1.01999E-05	6.75345E-05	3.87552E-05
7538	7.44068E-05	7.77598E-05	1.60784E-05	6.67913E-05	3.66792E-05	7.59109E-05	7.90633E-05	9.18595E-06	6.67913E-05	3.90033E-05
7539	7.35031E-05	7.68139E-05	1.59086E-05	6.71166E-05	3.7251E-05	7.53777E-05	7.85237E-05	8.78953E-06	6.71166E-05	3.96415E-05
7540	7.62482E-05	7.96796E-05	1.65549E-05	7.03686E-05	3.84766E-05	7.8441E-05	8.17216E-05	9.00269E-06	7.03686E-05	4.10068E-05
7541	8.33171E-05	8.70621E-05	1.81689E-05	7.67596E-05	3.98876E-05	8.56503E-05	8.92233E-05	1.00226E-05	7.67596E-05	4.25779E-05
7542	9.24887E-05	9.6644E-05	2.02037E-05	8.41197E-05	3.99103E-05	9.46968E-05	9.86254E-05	1.15423E-05	8.41197E-05	4.20551E-05
7543	9.5665E-05	9.99237E-05	2.15807E-05	8.79712E-05	0.000129911	9.81181E-05	0.000102153	1.27236E-05	8.79712E-05	0.000125771
7544	9.35026E-05	9.76299E-05	2.17047E-05	8.75862E-05	0.000128893	9.63128E-05	0.000100251	1.29603E-05	8.75862E-05	0.000124089
7545	9.11879E-05	9.52101E-05	2.12173E-05	8.46791E-05	0.000129006	9.36531E-05	9.747E-05	1.28628E-05	8.46791E-05	0.000124212
7546	9.00897E-05	9.40757E-05	2.07495E-05	8.12668E-05	0.000129147	9.1756E-05	9.54688E-05	1.31702E-05	8.12668E-05	0.000124366
7547	8.95829E-05	9.35553E-05	2.04788E-05	7.90376E-05	0.000129648	9.0669E-05	9.43176E-05	1.34409E-05	7.90376E-05	0.000124921
7548	8.78198E-05	9.17216E-05	1.99452E-05	7.69739E-05	0.000115404	8.87493E-05	9.23179E-05	1.3215E-05	7.69739E-05	0.000111806
7549	8.71793E-05	9.10493E-05	1.98587E-05	7.67688E-05	0.000115706	8.82076E-05	9.17575E-05	1.30688E-05	7.67688E-05	0.000112141
7550	8.71374E-05	9.10043E-05	1.98684E-05	7.76935E-05	0.000115331	8.8496E-05	9.20708E-05	1.28305E-05	7.76935E-05	0.000111723
7551	8.91781E-05	9.31392E-05	2.02725E-05	7.97174E-05	0.000129127	9.06603E-05	9.43276E-05	1.30362E-05	7.97174E-05	0.000124338
7552	9.57744E-05	0.000100034	2.1674E-05	8.53567E-05	0.000127637	9.73082E-05	0.000101244	1.39976E-05	8.53567E-05	0.00012268
7553	0.000105649	0.000110356	2.3766E-05	9.38541E-05	0.000126603	0.000107281	0.000111621	1.54185E-05	9.38541E-05	0.000121529
7554	0.000116128	0.000121303	2.611E-05	0.000100273	0.000125776	0.000116913	0.000121602	1.76762E-05	0.000100273	0.000120609
7555	0.000124793	0.000130343	2.82468E-05	0.000102955	9.56088E-05	0.000123892	0.000128783	2.03517E-05	0.000102955	9.25188E-05
7556	0.000125199	0.000130758	2.85096E-05	0.000100729	6.70745E-05	0.000123341	0.000128167	2.11908E-05	0.000100729	6.67909E-05
7557	0.000122864	0.000128341	2.75921E-05	9.65496E-05	5.1631E-05	0.000120309	0.000125019	2.05954E-05	9.65496E-05	5.23466E-05
7558	0.000115767	0.000120957	2.54897E-05	9.00451E-05	3.76779E-05	0.000113146	0.000117606	1.87394E-05	9.00451E-05	4.01042E-05
7559	0.000103203	0.000107833	2.26605E-05	8.21633E-05	3.69111E-05	0.000101538	0.000105576	1.60667E-05	8.21633E-05	3.92519E-05
7560	9.24458E-05	9.65993E-05	2.01905E-05	7.70587E-05	3.63595E-05	9.21919E-05	9.59179E-05	1.33257E-05	7.70587E-05	3.86389E-05
7561	7.84725E-05	8.20065E-05	1.69959E-05	6.82981E-05	3.62314E-05	7.93003E-05	8.25593E-05	1.03185E-05	6.82981E-05	3.85032E-05
7562	7.42615E-05	7.76072E-05	1.60601E-05	6.67319E-05	3.67196E-05	7.5783E-05	7.89307E-05	9.15705E-06	6.67319E-05	3.90487E-05
7563	7.33899E-05	7.66948E-05	1.58978E-05	6.70916E-05	3.73109E-05	7.52844E-05	7.84272E-05	8.76403E-06	6.70916E-05	3.97087E-05
7564	7.61524E-05	7.95781E-05	1.65581E-05	7.04224E-05	3.85639E-05	7.83843E-05	8.16637E-05	8.97053E-06	7.04224E-05	4.11044E-05
7565	8.32544E-05	8.69958E-05	1.81698E-05	7.67875E-05	4.00051E-05	8.56111E-05	8.91831E-05	1.00026E-05	7.67875E-05	4.2709E-05
7566	9.23536E-05	9.65025E-05	2.01803E-05	8.40251E-05	4.00942E-05	9.45662E-05	9.84897E-05	1.1521E-05	8.40251E-05	4.22601E-05
7567	9.70761E-05	0.000101415	2.16052E-05	8.79478E-05	0.000130243	9.91702E-05	0.000103253	1.27609E-05	8.79478E-05	0.000126141
7568	9.30714E-05	9.71792E-05	2.16131E-05	8.71808E-05	0.000129373	9.58654E-05	9.97847E-05	1.29068E-05	8.71808E-05	0.000124624
7569	9.03965E-05	9.43813E-05	2.10779E-05	8.41101E-05	0.000129485	9.28838E-05	9.66702E-05	1.27401E-05	8.41101E-05	0.000124746
7570	8.90044E-05	9.2941E-05	2.05238E-05	8.02759E-05	0.000129601	9.06385E-05	9.4305E-05	1.30316E-05	8.02759E-05	0.000124871
7571	8.81964E-05	9.21053E-05	2.01968E-05	7.78096E-05	0.000130088	8.92526E-05	9.28429E-05	1.32585E-05	7.78096E-05	0.00012541
7572	8.63683E-05	9.02031E-05	1.96572E-05	7.57325E-05	0.00011585	8.72795E-05	9.0788E-05	1.30177E-05	7.57325E-05	0.000112302
7573	8.58561E-05	8.96658E-05	1.95838E-05	7.55618E-05	0.000116154	8.68454E-05	9.03389E-05	1.28996E-05	7.55618E-05	0.000112639
7574	8.55295E-05	8.93228E-05	1.95414E-05	7.62704E-05	0.000115687	8.68538E-05	9.0361E-05	1.26188E-05	7.62704E-05	0.000112119
7575	8.81864E-05	9.2102E-05	2.00707E-05	7.88389E-05	0.000129421	8.96471E-05	9.32727E-05	1.29057E-05	7.88389E-05	0.000124664
7576	9.49116E-05	9.91334E-05	2.14699E-05	8.44178E-05	0.000127878	9.63749E-05	0.000100271	1.39087E-05	8.44178E-05	0.000122947
7577	0.000105087	0.000109769	2.36284E-05	9.32146E-05	0.000126801	0.000106665	0.000110978	1.53645E-05	9.32146E-05	0.000121748
7578	0.000115365	0.000120506	2.59261E-05	9.94219E-05	0.000125931	0.000116082	0.000120734	1.76005E-05	9.94219E-05	0.000120781
7579	0.00012408	0.000129598	2.8086E-05	0.000102227	9.57547E-05	0.000123135	0.000127995	2.02716E-05	0.000102227	9.2681E-05
7580	0.000124538	0.000130067	2.83503E-05	9.99917E-05	6.72092E-05	0.000122621	0.000127416	2.11251E-05	9.99917E-05	6.69409E-05
7581	0.000120582	0.00012594	2.73636E-05	9.56374E-05	5.17465E-05	0.000118318	0.000122941	2.04665E-05	9.56374E-05	5.24753E-05
7582	0.000115118	0.000120279	2.53362E-05	8.93392E-05	3.77733E-05	0.000112443	0.000116874	1.86724E-05	8.93392E-05	4.02104E-05
7583	0.000102754	0.000107365	2.25431E-05	8.16059E-05	3.69366E-05	0.000101032	0.000105048	1.60303E-05	8.16059E-05	3.92802E-05
7584	9.21243E-05	9.62641E-05	2.01083E-05	7.66712E-05	3.62904E-05	9.1833E-05	9.55433E-05	1.32979E-05	7.66712E-05	3.85619E-05
7585	7.84725E-05	8.20065E-05	1.69959E-05	6.82981E-05	3.62314E-05	7.93003E-05	8.25593E-05	1.03185E-05	6.82981E-05	3.85032E-05
7586	7.42615E-05	7.76072E-05	1.60601E-05	6.67319E-05	3.67196E-05	7.5783E-05	7.89307E-05	9.15705E-06	6.67319E-05	3.90487E-05
7587	7.33899E-05	7.66948E-05	1.58978E-05	6.70916E-05	3.73109E-05	7.52844E-05	7.84272E-05	8.76403E-06	6.70916E-05	3.97087E-05
7588	7.61524E-05	7.95781E-05	1.65581E-05	7.04224E-05	3.85639E-05	7.83843E-05	8.16637E-05	8.97053E-06	7.04224E-05	4.11044E-05
7589	8.32544E-05	8.69958E-05	1.81698E-05	7.67875E-05	4.00051E-05	8.56111E-05	8.91831E-05	1.00026E-05	7.67875E-05	4.2709E-05
7590	9.23536E-05	9.65025E-05	2.01803E-05	8.40251E-05	4.00942E-05	9.45662E-05	9.84897E-05	1.1521E-05	8.40251E-05	4.22601E-05
7591	9.70761E-05	0.000101415	2.16052E-05	8.79478E-05	0.000130243	9.91702E-05	0.000103253	1.27609E-05	8.79478E-05	0.000126141

7592	9.30714E-05	9.71792E-05	2.16131E-05	8.71808E-05	0.000129373	9.58654E-05	9.97847E-05	1.29068E-05	8.71808E-05	0.000124624
7593	9.03965E-05	9.43813E-05	2.10779E-05	8.41101E-05	0.000129485	9.28838E-05	9.66702E-05	1.27401E-05	8.41101E-05	0.000124746
7594	8.90044E-05	9.2941E-05	2.05238E-05	8.02759E-05	0.000129601	9.06385E-05	9.4305E-05	1.30316E-05	8.02759E-05	0.000124871
7595	8.81964E-05	9.21053E-05	2.01968E-05	7.78096E-05	0.000130088	8.92526E-05	9.28429E-05	1.32585E-05	7.78096E-05	0.00012541
7596	8.63683E-05	9.02031E-05	1.96572E-05	7.57325E-05	0.00011585	8.72795E-05	9.0788E-05	1.30177E-05	7.57325E-05	0.000112302
7597	8.58561E-05	8.96658E-05	1.95838E-05	7.55618E-05	0.000116154	8.68454E-05	9.03389E-05	1.28996E-05	7.55618E-05	0.000112639
7598	8.55295E-05	8.93228E-05	1.95414E-05	7.62704E-05	0.000115687	8.68538E-05	9.0361E-05	1.26188E-05	7.62704E-05	0.000112119
7599	8.81864E-05	9.2102E-05	2.00707E-05	7.88389E-05	0.000129421	8.96471E-05	9.32727E-05	1.29057E-05	7.88389E-05	0.000124664
7600	9.49116E-05	9.91334E-05	2.14699E-05	8.44178E-05	0.000127878	9.63749E-05	0.000100271	1.39087E-05	8.44178E-05	0.000122947
7601	0.000105087	0.000109769	2.36284E-05	9.32146E-05	0.000126801	0.000106665	0.000110978	1.53645E-05	9.32146E-05	0.000121748
7602	0.000115365	0.000120506	2.59261E-05	9.94219E-05	0.000125931	0.000116082	0.000120734	1.76005E-05	9.94219E-05	0.000120781
7603	0.00012408	0.000129598	2.8086E-05	0.000102227	9.57547E-05	0.000123135	0.000127995	2.02716E-05	0.000102227	9.2681E-05
7604	0.000124538	0.000130067	2.83503E-05	9.99917E-05	6.72092E-05	0.000122621	0.000127416	2.11251E-05	9.99917E-05	6.69409E-05
7605	0.000120582	0.00012594	2.73636E-05	9.56374E-05	5.17465E-05	0.000118318	0.000122941	2.04665E-05	9.56374E-05	5.24753E-05
7606	0.000115118	0.000120279	2.53362E-05	8.93392E-05	3.77733E-05	0.000112443	0.000116874	1.86724E-05	8.93392E-05	4.02104E-05
7607	0.000102754	0.000107365	2.25431E-05	8.16059E-05	3.69366E-05	0.000101032	0.000105048	1.60303E-05	8.16059E-05	3.92802E-05
7608	9.21243E-05	9.62641E-05	2.01083E-05	7.66712E-05	3.62904E-05	9.1833E-05	9.55433E-05	1.32979E-05	7.66712E-05	3.85619E-05
7609	7.84725E-05	8.20065E-05	1.69959E-05	6.82981E-05	3.62314E-05	7.93003E-05	8.25593E-05	1.03185E-05	6.82981E-05	3.85032E-05
7610	7.42615E-05	7.76072E-05	1.60601E-05	6.67319E-05	3.67196E-05	7.5783E-05	7.89307E-05	9.15705E-06	6.67319E-05	3.90487E-05
7611	7.33899E-05	7.66948E-05	1.58978E-05	6.70916E-05	3.73109E-05	7.52844E-05	7.84272E-05	8.76403E-06	6.70916E-05	3.97087E-05
7612	7.61524E-05	7.95781E-05	1.65581E-05	7.04224E-05	3.85639E-05	7.83843E-05	8.16637E-05	8.97053E-06	7.04224E-05	4.11044E-05
7613	8.32544E-05	8.69958E-05	1.81698E-05	7.67875E-05	4.00051E-05	8.56111E-05	8.91831E-05	1.00026E-05	7.67875E-05	4.2709E-05
7614	9.23536E-05	9.65025E-05	2.01803E-05	8.40251E-05	4.00942E-05	9.45662E-05	9.84897E-05	1.1521E-05	8.40251E-05	4.22601E-05
7615	9.70761E-05	0.000101415	2.16052E-05	8.79478E-05	0.000130243	9.91702E-05	0.000103253	1.27609E-05	8.79478E-05	0.000126141
7616	9.30714E-05	9.71792E-05	2.16131E-05	8.71808E-05	0.000129373	9.58654E-05	9.97847E-05	1.29068E-05	8.71808E-05	0.000124624
7617	9.03965E-05	9.43813E-05	2.10779E-05	8.41101E-05	0.000129485	9.28838E-05	9.66702E-05	1.27401E-05	8.41101E-05	0.000124746
7618	8.90044E-05	9.2941E-05	2.05238E-05	8.02759E-05	0.000129601	9.06385E-05	9.4305E-05	1.30316E-05	8.02759E-05	0.000124871
7619	8.81964E-05	9.21053E-05	2.01968E-05	7.78096E-05	0.000130088	8.92526E-05	9.28429E-05	1.32585E-05	7.78096E-05	0.00012541
7620	8.63683E-05	9.02031E-05	1.96572E-05	7.57325E-05	0.00011585	8.72795E-05	9.0788E-05	1.30177E-05	7.57325E-05	0.000112302
7621	8.58561E-05	8.96658E-05	1.95838E-05	7.55618E-05	0.000116154	8.68454E-05	9.03389E-05	1.28996E-05	7.55618E-05	0.000112639
7622	8.55295E-05	8.93228E-05	1.95414E-05	7.62704E-05	0.000115687	8.68538E-05	9.0361E-05	1.26188E-05	7.62704E-05	0.000112119
7623	8.81864E-05	9.2102E-05	2.00707E-05	7.88389E-05	0.000129421	8.96471E-05	9.32727E-05	1.29057E-05	7.88389E-05	0.000124664
7624	9.49116E-05	9.91334E-05	2.14699E-05	8.44178E-05	0.000127878	9.63749E-05	0.000100271	1.39087E-05	8.44178E-05	0.000122947
7625	0.000105087	0.000109769	2.36284E-05	9.32146E-05	0.000126801	0.000106665	0.000110978	1.53645E-05	9.32146E-05	0.000121748
7626	0.000115365	0.000120506	2.59261E-05	9.94219E-05	0.000125931	0.000116082	0.000120734	1.76005E-05	9.94219E-05	0.000120781
7627	0.00012408	0.000129598	2.8086E-05	0.000102227	9.57547E-05	0.000123135	0.000127995	2.02716E-05	0.000102227	9.2681E-05
7628	0.000124538	0.000130067	2.83503E-05	9.99917E-05	6.72092E-05	0.000122621	0.000127416	2.11251E-05	9.99917E-05	6.69409E-05
7629	0.000120582	0.00012594	2.73636E-05	9.56374E-05	5.17465E-05	0.000118318	0.000122941	2.04665E-05	9.56374E-05	5.24753E-05
7630	0.000115118	0.000120279	2.53362E-05	8.93392E-05	3.77733E-05	0.000112443	0.000116874	1.86724E-05	8.93392E-05	4.02104E-05
7631	0.000102754	0.000107365	2.25431E-05	8.16059E-05	3.69366E-05	0.000101032	0.000105048	1.60303E-05	8.16059E-05	3.92802E-05
7632	9.21243E-05	9.62641E-05	2.01083E-05	7.66712E-05	3.62904E-05	9.1833E-05	9.55433E-05	1.32979E-05	7.66712E-05	3.85619E-05
7633	7.759E-05	8.10834E-05	1.68193E-05	6.75345E-05	3.64571E-05	7.84041E-05	8.16264E-05	1.01999E-05	6.75345E-05	3.87552E-05
7634	7.44068E-05	7.77598E-05	1.60784E-05	6.67913E-05	3.66792E-05	7.59109E-05	7.90633E-05	9.18595E-06	6.67913E-05	3.90033E-05
7635	7.35031E-05	7.68139E-05	1.59086E-05	6.71166E-05	3.7251E-05	7.53777E-05	7.85237E-05	8.78953E-06	6.71166E-05	3.96415E-05
7636	7.62482E-05	7.96796E-05	1.65549E-05	7.03686E-05	3.84766E-05	7.8441E-05	8.17216E-05	9.00269E-06	7.03686E-05	4.10068E-05
7637	8.33171E-05	8.70621E-05	1.81689E-05	7.67596E-05	3.98876E-05	8.56503E-05	8.92233E-05	1.00226E-05	7.67596E-05	4.25779E-05
7638	9.24887E-05	9.6644E-05	2.02037E-05	8.41197E-05	3.99103E-05	9.46968E-05	9.86254E-05	1.15423E-05	8.41197E-05	4.20551E-05
7639	9.5665E-05	9.99237E-05	2.15807E-05	8.79712E-05	0.000129911	9.81181E-05	0.000102153	1.27236E-05	8.79712E-05	0.000125771
7640	9.35026E-05	9.76299E-05	2.17047E-05	8.75862E-05	0.000128893	9.63128E-05	0.000100251	1.29603E-05	8.75862E-05	0.000124089
7641	9.11879E-05	9.52101E-05	2.12173E-05	8.46791E-05	0.000129006	9.36531E-05	9.747E-05	1.28628E-05	8.46791E-05	0.000124212
7642	9.00897E-05	9.40757E-05	2.07495E-05	8.12668E-05	0.000129147	9.1756E-05	9.54688E-05	1.31702E-05	8.12668E-05	0.000124366
7643	8.95829E-05	9.35553E-05	2.04788E-05	7.90376E-05	0.000129648	9.0669E-05	9.43176E-05	1.34409E-05	7.90376E-05	0.000124921
7644	8.78198E-05	9.17216E-05	1.99452E-05	7.69739E-05	0.000115404	8.87493E-05	9.23179E-05	1.3215E-05	7.69739E-05	0.000111806
7645	8.71793E-05	9.10493E-05	1.98587E-05	7.67688E-05	0.000115706	8.82076E-05	9.17575E-05	1.30688E-05	7.67688E-05	0.000112141
7646	8.71374E-05	9.10043E-05	1.98684E-05	7.76935E-05	0.000115331	8.8496E-05	9.20708E-05	1.28305E-05	7.76935E-05	0.000111723
7647	8.91781E-05	9.31392E-05	2.02725E-05	7.97174E-05	0.000129127	9.06603E-05	9.43276E-05	1.30362E-05	7.97174E-05	0.000124338
7648	9.57744E-05	0.000100034	2.1674E-05	8.53567E-05	0.000127637	9.73082E-05	0.000101244	1.39976E-05	8.53567E-05	0.00012268
7649	0.000105649	0.000110356	2.3766E-05	9.38541E-05	0.000126603	0.000107281	0.000111621	1.54185E-05	9.38541E-05	0.000121529
7650	0.000116128	0.000121303	2.611E-05	0.000100273	0.000125776	0.000116913	0.000121602	1.76762E-05	0.000100273	0.000120609
7651	0.000124793	0.000130343	2.82468E-05	0.000102955	9.56088E-05	0.000123892	0.000128783	2.03517E-05	0.000102955	9.25188E-05
7652	0.000125199	0.000130758	2.85096E-05	0.000100729	6.70745E-05	0.000123341	0.000128167	2.11908E-05	0.000100729	6.67909E-05
7653	0.000122864	0.000128341	2.75921E-05	9.65496E-05	5.1631E-05	0.000120309	0.000125019	2.05954E-05	9.65496E-05	5.23466E-05
7654	0.000115767	0.000120957	2.54897E-05	9.00451E-05	3.76779E-05	0.000113146	0.000117606	1.87394E-05	9.00451E-05	4.01042E-05
7655	0.000103203	0.000107833	2.26605E-05	8.21633E-05	3.69111E-05	0.000101538	0.000105576	1.60667E-05	8.21633E-05	3.92519E-05
7656	9.24458E-05	9.65993E-05	2.01905E-05	7.70587E-05	3.63595E-05	9.21919E-05	9.59179E-05	1.33257E-05	7.70587E-05	3.86389E-05
7657	7.759E-05	8.10834E-05	1.68193E-05	6.75345E-05	3.64571E-05	7.84041E-05	8.16264E-05	1.01999E-05	6.75345E-05	3.87552E-05
7658	7.44068E-05	7.77598E-05	1.60784E-05	6.67913E-05	3.66792E-05	7.59109E-05	7.90633E-05	9.18595E-06	6.67913E-05	3.90033E-05
7659	7.35031E-05	7.68139E-05	1.59086E-05	6.71166E-05	3.7251E-05	7.53777E-05	7.85237E-05	8.78953E-06	6.71166E-05	3.96415E-05
7660	7.62482E-05	7.96796E-05	1.65549E-05	7.03686E-05	3.84766E-05	7.8441E-05	8.17216E-05	9.00269E-06	7.03686E-05	4.10068E-05
7661	8.33171E-05	8.70621E-05	1.81689E-05	7.67596E-05	3.98876E-05	8.56503E-05	8.92233E-05	1.00226E-05	7.67596E-05	4.25779E-05
7662	9.24887E-05	9.6644E-05	2.02037E-05	8.41197E-05	3.99103E-05	9.46968E-05	9.86254E-05	1.15423E-05	8.41197E-05	4.20551E-05
7663	9.5665E-05	9.99237E-05	2.15807E-05	8.79712E-05	0.000129911	9.81181E-05	0.000102153	1.27236E-05	8.79712E-05	0.000125771
7664	9.35026E-05	9.76299E-05	2.17047E-05	8.75862E-05	0.000128893	9.63128E-05	0.000100251	1.29603E-05	8.75862E-05	0.000124089
7665	9.11879E-05	9.52101E-05	2.12173E-05	8.46791E-05	0.000129006	9.36531E-05	9.747E-05	1.28628E-05	8.46791E-05	0.000124212
7666	9.00897E-05	9.40757E-05	2.07495E-05	8.12668E-05	0.000129147	9.1756E-05	9.54688E-05	1.31702E-05	8.12668E-05	0.000124366
7667	8.95829E-05	9.35553E-05	2.04788E-05	7.90376E-05	0.000129648	9.0669E-05	9.43176E-05	1.34409E-05	7.90376E-05	0.000124921

7668	8.78198E-05	9.17216E-05	1.99452E-05	7.69739E-05	0.000115404	8.87493E-05	9.23179E-05	1.3215E-05	7.69739E-05	0.000111806
7669	8.71793E-05	9.10493E-05	1.98587E-05	7.67688E-05	0.000115706	8.82076E-05	9.17575E-05	1.30688E-05	7.67688E-05	0.000112141
7670	8.71374E-05	9.10043E-05	1.98684E-05	7.76935E-05	0.000115331	8.8496E-05	9.20708E-05	1.28305E-05	7.76935E-05	0.000111723
7671	8.91781E-05	9.31392E-05	2.02725E-05	7.97174E-05	0.000129127	9.06603E-05	9.43276E-05	1.30362E-05	7.97174E-05	0.000124338
7672	9.57744E-05	0.000100034	2.1674E-05	8.53567E-05	0.000127637	9.73082E-05	0.000101244	1.39976E-05	8.53567E-05	0.00012268
7673	0.000105649	0.000110356	2.3766E-05	9.38541E-05	0.000126603	0.000107281	0.000111621	1.54185E-05	9.38541E-05	0.000121529
7674	0.000116128	0.000121303	2.611E-05	0.000100273	0.000125776	0.000116913	0.000121602	1.76762E-05	0.000100273	0.000120609
7675	0.000124793	0.000130343	2.82468E-05	0.000102955	9.56088E-05	0.000123892	0.000128783	2.03517E-05	0.000102955	9.25188E-05
7676	0.000125199	0.000130758	2.85096E-05	0.000100729	6.70745E-05	0.000123341	0.000128167	2.11908E-05	0.000100729	6.67909E-05
7677	0.000122864	0.000128341	2.75921E-05	9.65496E-05	5.1631E-05	0.000120309	0.000125019	2.05954E-05	9.65496E-05	5.23466E-05
7678	0.000115767	0.000120957	2.54897E-05	9.00451E-05	3.76779E-05	0.000113146	0.000117606	1.87394E-05	9.00451E-05	4.01042E-05
7679	0.000103203	0.000107833	2.26605E-05	8.21633E-05	3.69111E-05	0.000101538	0.000105576	1.60667E-05	8.21633E-05	3.92519E-05
7680	9.24458E-05	9.65993E-05	2.01905E-05	7.70587E-05	3.63595E-05	9.21919E-05	9.59179E-05	1.33257E-05	7.70587E-05	3.86389E-05
7681	7.759E-05	8.10834E-05	1.68193E-05	6.75345E-05	3.64571E-05	7.84041E-05	8.16264E-05	1.01999E-05	6.75345E-05	3.87552E-05
7682	7.44068E-05	7.77598E-05	1.60784E-05	6.67913E-05	3.66792E-05	7.59109E-05	7.90633E-05	9.18595E-06	6.67913E-05	3.90033E-05
7683	7.35031E-05	7.68139E-05	1.59086E-05	6.71166E-05	3.7251E-05	7.53777E-05	7.85237E-05	8.78953E-06	6.71166E-05	3.96415E-05
7684	7.62482E-05	7.96796E-05	1.65549E-05	7.03686E-05	3.84766E-05	7.8441E-05	8.17216E-05	9.00269E-06	7.03686E-05	4.10068E-05
7685	8.33171E-05	8.70621E-05	1.81689E-05	7.67596E-05	3.98876E-05	8.56503E-05	8.92233E-05	1.00226E-05	7.67596E-05	4.25779E-05
7686	9.24887E-05	9.6644E-05	2.02037E-05	8.41197E-05	3.99103E-05	9.46968E-05	9.86254E-05	1.15423E-05	8.41197E-05	4.20551E-05
7687	9.5665E-05	9.99237E-05	2.15807E-05	8.79712E-05	0.000129911	9.81181E-05	0.000102153	1.27236E-05	8.79712E-05	0.000125771
7688	9.35026E-05	9.76299E-05	2.17047E-05	8.75862E-05	0.000128893	9.63128E-05	0.000100251	1.29603E-05	8.75862E-05	0.000124089
7689	9.11879E-05	9.52101E-05	2.12173E-05	8.46791E-05	0.000129006	9.36531E-05	9.747E-05	1.28628E-05	8.46791E-05	0.000124212
7690	9.00897E-05	9.40757E-05	2.07495E-05	8.12668E-05	0.000129147	9.1756E-05	9.54688E-05	1.31702E-05	8.12668E-05	0.000124366
7691	8.95829E-05	9.35553E-05	2.04788E-05	7.90376E-05	0.000129648	9.0669E-05	9.43176E-05	1.34409E-05	7.90376E-05	0.000124921
7692	8.78198E-05	9.17216E-05	1.99452E-05	7.69739E-05	0.000115404	8.87493E-05	9.23179E-05	1.3215E-05	7.69739E-05	0.000111806
7693	8.71793E-05	9.10493E-05	1.98587E-05	7.67688E-05	0.000115706	8.82076E-05	9.17575E-05	1.30688E-05	7.67688E-05	0.000112141
7694	8.71374E-05	9.10043E-05	1.98684E-05	7.76935E-05	0.000115331	8.8496E-05	9.20708E-05	1.28305E-05	7.76935E-05	0.000111723
7695	8.91781E-05	9.31392E-05	2.02725E-05	7.97174E-05	0.000129127	9.06603E-05	9.43276E-05	1.30362E-05	7.97174E-05	0.000124338
7696	9.57744E-05	0.000100034	2.1674E-05	8.53567E-05	0.000127637	9.73082E-05	0.000101244	1.39976E-05	8.53567E-05	0.00012268
7697	0.000105649	0.000110356	2.3766E-05	9.38541E-05	0.000126603	0.000107281	0.000111621	1.54185E-05	9.38541E-05	0.000121529
7698	0.000116128	0.000121303	2.611E-05	0.000100273	0.000125776	0.000116913	0.000121602	1.76762E-05	0.000100273	0.000120609
7699	0.000124793	0.000130343	2.82468E-05	0.000102955	9.56088E-05	0.000123892	0.000128783	2.03517E-05	0.000102955	9.25188E-05
7700	0.000125199	0.000130758	2.85096E-05	0.000100729	6.70745E-05	0.000123341	0.000128167	2.11908E-05	0.000100729	6.67909E-05
7701	0.000122864	0.000128341	2.75921E-05	9.65496E-05	5.1631E-05	0.000120309	0.000125019	2.05954E-05	9.65496E-05	5.23466E-05
7702	0.000115767	0.000120957	2.54897E-05	9.00451E-05	3.76779E-05	0.000113146	0.000117606	1.87394E-05	9.00451E-05	4.01042E-05
7703	0.000103203	0.000107833	2.26605E-05	8.21633E-05	3.69111E-05	0.000101538	0.000105576	1.60667E-05	8.21633E-05	3.92519E-05
7704	9.24458E-05	9.65993E-05	2.01905E-05	7.70587E-05	3.63595E-05	9.21919E-05	9.59179E-05	1.33257E-05	7.70587E-05	3.86389E-05
7705	7.759E-05	8.10834E-05	1.68193E-05	6.75345E-05	3.64571E-05	7.84041E-05	8.16264E-05	1.01999E-05	6.75345E-05	3.87552E-05
7706	7.44068E-05	7.77598E-05	1.60784E-05	6.67913E-05	3.66792E-05	7.59109E-05	7.90633E-05	9.18595E-06	6.67913E-05	3.90033E-05
7707	7.35031E-05	7.68139E-05	1.59086E-05	6.71166E-05	3.7251E-05	7.53777E-05	7.85237E-05	8.78953E-06	6.71166E-05	3.96415E-05
7708	7.62482E-05	7.96796E-05	1.65549E-05	7.03686E-05	3.84766E-05	7.8441E-05	8.17216E-05	9.00269E-06	7.03686E-05	4.10068E-05
7709	8.33171E-05	8.70621E-05	1.81689E-05	7.67596E-05	3.98876E-05	8.56503E-05	8.92233E-05	1.00226E-05	7.67596E-05	4.25779E-05
7710	9.24887E-05	9.6644E-05	2.02037E-05	8.41197E-05	3.99103E-05	9.46968E-05	9.86254E-05	1.15423E-05	8.41197E-05	4.20551E-05
7711	9.5665E-05	9.99237E-05	2.15807E-05	8.79712E-05	0.000129911	9.81181E-05	0.000102153	1.27236E-05	8.79712E-05	0.000125771
7712	9.35026E-05	9.76299E-05	2.17047E-05	8.75862E-05	0.000128893	9.63128E-05	0.000100251	1.29603E-05	8.75862E-05	0.000124089
7713	9.11879E-05	9.52101E-05	2.12173E-05	8.46791E-05	0.000129006	9.36531E-05	9.747E-05	1.28628E-05	8.46791E-05	0.000124212
7714	9.00897E-05	9.40757E-05	2.07495E-05	8.12668E-05	0.000129147	9.1756E-05	9.54688E-05	1.31702E-05	8.12668E-05	0.000124366
7715	8.95829E-05	9.35553E-05	2.04788E-05	7.90376E-05	0.000129648	9.0669E-05	9.43176E-05	1.34409E-05	7.90376E-05	0.000124921
7716	8.78198E-05	9.17216E-05	1.99452E-05	7.69739E-05	0.000115404	8.87493E-05	9.23179E-05	1.3215E-05	7.69739E-05	0.000111806
7717	8.71793E-05	9.10493E-05	1.98587E-05	7.67688E-05	0.000115706	8.82076E-05	9.17575E-05	1.30688E-05	7.67688E-05	0.000112141
7718	8.71374E-05	9.10043E-05	1.98684E-05	7.76935E-05	0.000115331	8.8496E-05	9.20708E-05	1.28305E-05	7.76935E-05	0.000111723
7719	8.91781E-05	9.31392E-05	2.02725E-05	7.97174E-05	0.000129127	9.06603E-05	9.43276E-05	1.30362E-05	7.97174E-05	0.000124338
7720	9.57744E-05	0.000100034	2.1674E-05	8.53567E-05	0.000127637	9.73082E-05	0.000101244	1.39976E-05	8.53567E-05	0.00012268
7721	0.000105649	0.000110356	2.3766E-05	9.38541E-05	0.000126603	0.000107281	0.000111621	1.54185E-05	9.38541E-05	0.000121529
7722	0.000116128	0.000121303	2.611E-05	0.000100273	0.000125776	0.000116913	0.000121602	1.76762E-05	0.000100273	0.000120609
7723	0.000124793	0.000130343	2.82468E-05	0.000102955	9.56088E-05	0.000123892	0.000128783	2.03517E-05	0.000102955	9.25188E-05
7724	0.000125199	0.000130758	2.85096E-05	0.000100729	6.70745E-05	0.000123341	0.000128167	2.11908E-05	0.000100729	6.67909E-05
7725	0.000122864	0.000128341	2.75921E-05	9.65496E-05	5.1631E-05	0.000120309	0.000125019	2.05954E-05	9.65496E-05	5.23466E-05
7726	0.000115767	0.000120957	2.54897E-05	9.00451E-05	3.76779E-05	0.000113146	0.000117606	1.87394E-05	9.00451E-05	4.01042E-05
7727	0.000103203	0.000107833	2.26605E-05	8.21633E-05	3.69111E-05	0.000101538	0.000105576	1.60667E-05	8.21633E-05	3.92519E-05
7728	9.24458E-05	9.65993E-05	2.01905E-05	7.70587E-05	3.63595E-05	9.21919E-05	9.59179E-05	1.33257E-05	7.70587E-05	3.86389E-05
7729	7.759E-05	8.10834E-05	1.68193E-05	6.75345E-05	3.64571E-05	7.84041E-05	8.16264E-05	1.01999E-05	6.75345E-05	3.87552E-05
7730	7.44068E-05	7.77598E-05	1.60784E-05	6.67913E-05	3.66792E-05	7.59109E-05	7.90633E-05	9.18595E-06	6.67913E-05	3.90033E-05
7731	7.35031E-05	7.68139E-05	1.59086E-05	6.71166E-05	3.7251E-05	7.53777E-05	7.85237E-05	8.78953E-06	6.71166E-05	3.96415E-05
7732	7.62482E-05	7.96796E-05	1.65549E-05	7.03686E-05	3.84766E-05	7.8441E-05	8.17216E-05	9.00269E-06	7.03686E-05	4.10068E-05
7733	8.33171E-05	8.70621E-05	1.81689E-05	7.67596E-05	3.98876E-05	8.56503E-05	8.92233E-05	1.00226E-05	7.67596E-05	4.25779E-05
7734	9.24887E-05	9.6644E-05	2.02037E-05	8.41197E-05	3.99103E-05	9.46968E-05	9.86254E-05	1.15423E-05	8.41197E-05	4.20551E-05
7735	9.5665E-05	9.99237E-05	2.15807E-05	8.79712E-05	0.000129911	9.81181E-05	0.000102153	1.27236E-05	8.79712E-05	0.000125771
7736	9.35026E-05	9.76299E-05	2.17047E-05	8.75862E-05	0.000128893	9.63128E-05	0.000100251	1.29603E-05	8.75862E-05	0.000124089
7737	9.11879E-05	9.52101E-05	2.12173E-05	8.46791E-05	0.000129006	9.36531E-05	9.747E-05	1.28628E-05	8.46791E-05	0.000124212
7738	9.00897E-05	9.40757E-05	2.07495E-05	8.12668E-05	0.000129147	9.1756E-05	9.54688E-05	1.31702E-05	8.12668E-05	0.000124366
7739	8.95829E-05	9.35553E-05	2.04788E-05	7.90376E-05	0.000129648	9.0669E-05	9.43176E-05	1.34409E-05	7.90376E-05	0.000124921
7740	8.78198E-05	9.17216E-05	1.99452E-05	7.69739E-05	0.000115404	8.87493E-05	9.23179E-05	1.3215E-05	7.69739E-05	0.000111806
7741	8.71793E-05	9.10493E-05	1.98587E-05	7.67688E-05	0.000115706	8.82076E-05	9.17575E-05	1.30688E-05	7.67688E-05	0.000112141
7742	8.71374E-05	9.10043E-05	1.98684E-05	7.76935E-05	0.000115331	8.8496E-05	9.20708E-05	1.28305E-05	7.76935E-05	0.000111723
7743	8.91781E-05	9.31392E-05	2.02725E-05	7.97174E-05	0.000129127	9.06603E-05	9.43276E-05	1.30362E-05	7.97174E-05	0.000124338

7744	9.57744E-05	0.000100034	2.1674E-05	8.53567E-05	0.000127637	9.73082E-05	0.000101244	1.39976E-05	8.53567E-05	0.00012268
7745	0.000105649	0.000110356	2.3766E-05	9.38541E-05	0.000126603	0.000107281	0.000111621	1.54185E-05	9.38541E-05	0.000121529
7746	0.000116128	0.000121303	2.611E-05	0.000100273	0.000125776	0.000116913	0.000121602	1.76762E-05	0.000100273	0.000120609
7747	0.000124793	0.000130343	2.82468E-05	0.000102955	9.56088E-05	0.000123892	0.000128783	2.03517E-05	0.000102955	9.25188E-05
7748	0.000125199	0.000130758	2.85096E-05	0.000100729	6.70745E-05	0.000123341	0.000128167	2.11908E-05	0.000100729	6.67909E-05
7749	0.000122864	0.000128341	2.75921E-05	9.65496E-05	5.1631E-05	0.000120309	0.000125019	2.05954E-05	9.65496E-05	5.23466E-05
7750	0.000115767	0.000120957	2.54897E-05	9.00451E-05	3.76779E-05	0.000113146	0.000117606	1.87394E-05	9.00451E-05	4.01042E-05
7751	0.000103203	0.000107833	2.26605E-05	8.21633E-05	3.69111E-05	0.000101538	0.000105576	1.60667E-05	8.21633E-05	3.92519E-05
7752	9.24458E-05	9.65993E-05	2.01905E-05	7.70587E-05	3.63595E-05	9.21919E-05	9.59179E-05	1.33257E-05	7.70587E-05	3.86389E-05
7753	7.84725E-05	8.20065E-05	1.69959E-05	6.82981E-05	3.62314E-05	7.93003E-05	8.25593E-05	1.03185E-05	6.82981E-05	3.85032E-05
7754	7.42615E-05	7.76072E-05	1.60601E-05	6.67319E-05	3.67196E-05	7.5783E-05	7.89307E-05	9.15705E-06	6.67319E-05	3.90487E-05
7755	7.33899E-05	7.66948E-05	1.58978E-05	6.70916E-05	3.73109E-05	7.52844E-05	7.84272E-05	8.76403E-06	6.70916E-05	3.97087E-05
7756	7.61524E-05	7.95781E-05	1.65581E-05	7.04224E-05	3.85639E-05	7.83843E-05	8.16637E-05	8.97053E-06	7.04224E-05	4.11044E-05
7757	8.32544E-05	8.69958E-05	1.81698E-05	7.67875E-05	4.00051E-05	8.56111E-05	8.91831E-05	1.00026E-05	7.67875E-05	4.2709E-05
7758	9.23536E-05	9.65025E-05	2.01803E-05	8.40251E-05	4.00942E-05	9.45662E-05	9.84897E-05	1.1521E-05	8.40251E-05	4.22601E-05
7759	9.70761E-05	0.000101415	2.16052E-05	8.79478E-05	0.000130243	9.91702E-05	0.000103253	1.27609E-05	8.79478E-05	0.000126141
7760	9.30714E-05	9.71792E-05	2.16131E-05	8.71808E-05	0.000129373	9.58654E-05	9.97847E-05	1.29068E-05	8.71808E-05	0.000124624
7761	9.03965E-05	9.43813E-05	2.10779E-05	8.41101E-05	0.000129485	9.28838E-05	9.66702E-05	1.27401E-05	8.41101E-05	0.000124746
7762	8.90044E-05	9.2941E-05	2.05238E-05	8.02759E-05	0.000129601	9.06385E-05	9.4305E-05	1.30316E-05	8.02759E-05	0.000124871
7763	8.81964E-05	9.21053E-05	2.01968E-05	7.78096E-05	0.000130088	8.92526E-05	9.28429E-05	1.32585E-05	7.78096E-05	0.00012541
7764	8.63683E-05	9.02031E-05	1.96572E-05	7.57325E-05	0.00011585	8.72795E-05	9.0788E-05	1.30177E-05	7.57325E-05	0.000112302
7765	8.58561E-05	8.96658E-05	1.95838E-05	7.55618E-05	0.000116154	8.68454E-05	9.03389E-05	1.28996E-05	7.55618E-05	0.000112639
7766	8.55295E-05	8.93228E-05	1.95414E-05	7.62704E-05	0.000115687	8.68538E-05	9.0361E-05	1.26188E-05	7.62704E-05	0.000112119
7767	8.81864E-05	9.2102E-05	2.00707E-05	7.88389E-05	0.000129421	8.96471E-05	9.32727E-05	1.29057E-05	7.88389E-05	0.000124664
7768	9.49116E-05	9.91334E-05	2.14699E-05	8.44178E-05	0.000127878	9.63749E-05	0.000100271	1.39087E-05	8.44178E-05	0.000122947
7769	0.000105087	0.000109769	2.36284E-05	9.32146E-05	0.000126801	0.000106665	0.000110978	1.53645E-05	9.32146E-05	0.000121748
7770	0.000115365	0.000120506	2.59261E-05	9.94219E-05	0.000125931	0.000116082	0.000120734	1.76005E-05	9.94219E-05	0.000120781
7771	0.00012408	0.000129598	2.8086E-05	0.000102227	9.57547E-05	0.000123135	0.000127995	2.02716E-05	0.000102227	9.2681E-05
7772	0.000124538	0.000130067	2.83503E-05	9.99917E-05	6.72092E-05	0.000122621	0.000127416	2.11251E-05	9.99917E-05	6.69409E-05
7773	0.000120582	0.00012594	2.73636E-05	9.56374E-05	5.17465E-05	0.000118318	0.000122941	2.04665E-05	9.56374E-05	5.24753E-05
7774	0.000115118	0.000120279	2.53362E-05	8.93392E-05	3.77733E-05	0.000112443	0.000116874	1.86724E-05	8.93392E-05	4.02104E-05
7775	0.000102754	0.000107365	2.25431E-05	8.16059E-05	3.69366E-05	0.000101032	0.000105048	1.60303E-05	8.16059E-05	3.92802E-05
7776	9.21243E-05	9.62641E-05	2.01083E-05	7.66712E-05	3.62904E-05	9.1833E-05	9.55433E-05	1.32979E-05	7.66712E-05	3.85619E-05
7777	7.84725E-05	8.20065E-05	1.69959E-05	6.82981E-05	3.62314E-05	7.93003E-05	8.25593E-05	1.03185E-05	6.82981E-05	3.85032E-05
7778	7.42615E-05	7.76072E-05	1.60601E-05	6.67319E-05	3.67196E-05	7.5783E-05	7.89307E-05	9.15705E-06	6.67319E-05	3.90487E-05
7779	7.33899E-05	7.66948E-05	1.58978E-05	6.70916E-05	3.73109E-05	7.52844E-05	7.84272E-05	8.76403E-06	6.70916E-05	3.97087E-05
7780	7.61524E-05	7.95781E-05	1.65581E-05	7.04224E-05	3.85639E-05	7.83843E-05	8.16637E-05	8.97053E-06	7.04224E-05	4.11044E-05
7781	8.32544E-05	8.69958E-05	1.81698E-05	7.67875E-05	4.00051E-05	8.56111E-05	8.91831E-05	1.00026E-05	7.67875E-05	4.2709E-05
7782	9.23536E-05	9.65025E-05	2.01803E-05	8.40251E-05	4.00942E-05	9.45662E-05	9.84897E-05	1.1521E-05	8.40251E-05	4.22601E-05
7783	9.70761E-05	0.000101415	2.16052E-05	8.79478E-05	0.000130243	9.91702E-05	0.000103253	1.27609E-05	8.79478E-05	0.000126141
7784	9.30714E-05	9.71792E-05	2.16131E-05	8.71808E-05	0.000129373	9.58654E-05	9.97847E-05	1.29068E-05	8.71808E-05	0.000124624
7785	9.03965E-05	9.43813E-05	2.10779E-05	8.41101E-05	0.000129485	9.28838E-05	9.66702E-05	1.27401E-05	8.41101E-05	0.000124746
7786	8.90044E-05	9.2941E-05	2.05238E-05	8.02759E-05	0.000129601	9.06385E-05	9.4305E-05	1.30316E-05	8.02759E-05	0.000124871
7787	8.81964E-05	9.21053E-05	2.01968E-05	7.78096E-05	0.000130088	8.92526E-05	9.28429E-05	1.32585E-05	7.78096E-05	0.00012541
7788	8.63683E-05	9.02031E-05	1.96572E-05	7.57325E-05	0.00011585	8.72795E-05	9.0788E-05	1.30177E-05	7.57325E-05	0.000112302
7789	8.58561E-05	8.96658E-05	1.95838E-05	7.55618E-05	0.000116154	8.68454E-05	9.03389E-05	1.28996E-05	7.55618E-05	0.000112639
7790	8.55295E-05	8.93228E-05	1.95414E-05	7.62704E-05	0.000115687	8.68538E-05	9.0361E-05	1.26188E-05	7.62704E-05	0.000112119
7791	8.81864E-05	9.2102E-05	2.00707E-05	7.88389E-05	0.000129421	8.96471E-05	9.32727E-05	1.29057E-05	7.88389E-05	0.000124664
7792	9.49116E-05	9.91334E-05	2.14699E-05	8.44178E-05	0.000127878	9.63749E-05	0.000100271	1.39087E-05	8.44178E-05	0.000122947
7793	0.000105087	0.000109769	2.36284E-05	9.32146E-05	0.000126801	0.000106665	0.000110978	1.53645E-05	9.32146E-05	0.000121748
7794	0.000115365	0.000120506	2.59261E-05	9.94219E-05	0.000125931	0.000116082	0.000120734	1.76005E-05	9.94219E-05	0.000120781
7795	0.00012408	0.000129598	2.8086E-05	0.000102227	9.57547E-05	0.000123135	0.000127995	2.02716E-05	0.000102227	9.2681E-05
7796	0.000124538	0.000130067	2.83503E-05	9.99917E-05	6.72092E-05	0.000122621	0.000127416	2.11251E-05	9.99917E-05	6.69409E-05
7797	0.000120582	0.00012594	2.73636E-05	9.56374E-05	5.17465E-05	0.000118318	0.000122941	2.04665E-05	9.56374E-05	5.24753E-05
7798	0.000115118	0.000120279	2.53362E-05	8.93392E-05	3.77733E-05	0.000112443	0.000116874	1.86724E-05	8.93392E-05	4.02104E-05
7799	0.000102754	0.000107365	2.25431E-05	8.16059E-05	3.69366E-05	0.000101032	0.000105048	1.60303E-05	8.16059E-05	3.92802E-05
7800	9.21243E-05	9.62641E-05	2.01083E-05	7.66712E-05	3.62904E-05	9.1833E-05	9.55433E-05	1.32979E-05	7.66712E-05	3.85619E-05
7801	7.759E-05	8.10834E-05	1.68193E-05	6.75345E-05	3.64571E-05	7.84041E-05	8.16264E-05	1.01999E-05	6.75345E-05	3.87552E-05
7802	7.44068E-05	7.77598E-05	1.60784E-05	6.67913E-05	3.66792E-05	7.59109E-05	7.90633E-05	9.18595E-06	6.67913E-05	3.90033E-05
7803	7.35031E-05	7.68139E-05	1.59086E-05	6.71166E-05	3.7251E-05	7.53777E-05	7.85237E-05	8.78953E-06	6.71166E-05	3.96415E-05
7804	7.62482E-05	7.96796E-05	1.65549E-05	7.03686E-05	3.84766E-05	7.8441E-05	8.17216E-05	9.00269E-06	7.03686E-05	4.10068E-05
7805	8.33171E-05	8.70621E-05	1.81689E-05	7.67596E-05	3.98876E-05	8.56503E-05	8.92233E-05	1.00226E-05	7.67596E-05	4.25779E-05
7806	9.24887E-05	9.6644E-05	2.02037E-05	8.41197E-05	3.99103E-05	9.46968E-05	9.86254E-05	1.15423E-05	8.41197E-05	4.20551E-05
7807	9.5665E-05	9.99237E-05	2.15807E-05	8.79712E-05	0.000129911	9.81181E-05	0.000102153	1.27236E-05	8.79712E-05	0.000125771
7808	9.35026E-05	9.76299E-05	2.17047E-05	8.75862E-05	0.000128893	9.63128E-05	0.000100251	1.29603E-05	8.75862E-05	0.000124089
7809	9.11879E-05	9.52101E-05	2.12173E-05	8.46791E-05	0.000129006	9.36531E-05	9.747E-05	1.28628E-05	8.46791E-05	0.000124212
7810	9.00897E-05	9.40757E-05	2.07495E-05	8.12668E-05	0.000129147	9.1756E-05	9.54688E-05	1.31702E-05	8.12668E-05	0.000124366
7811	8.95829E-05	9.35553E-05	2.04788E-05	7.90376E-05	0.000129648	9.0669E-05	9.43176E-05	1.34409E-05	7.90376E-05	0.000124921
7812	8.78198E-05	9.17216E-05	1.99452E-05	7.69739E-05	0.000115404	8.87493E-05	9.23179E-05	1.3215E-05	7.69739E-05	0.000111806
7813	8.71793E-05	9.10493E-05	1.98587E-05	7.67688E-05	0.000115706	8.82076E-05	9.17575E-05	1.30688E-05	7.67688E-05	0.000112141
7814	8.71374E-05	9.10043E-05	1.98684E-05	7.76935E-05	0.000115331	8.8496E-05	9.20708E-05	1.28305E-05	7.76935E-05	0.000111723
7815	8.91781E-05	9.31392E-05	2.02725E-05	7.97174E-05	0.000129127	9.06603E-05	9.43276E-05	1.30362E-05	7.97174E-05	0.000124338
7816	9.57744E-05	0.000100034	2.1674E-05	8.53567E-05	0.000127637	9.73082E-05	0.000101244	1.39976E-05	8.53567E-05	0.00012268
7817	0.000105649	0.000110356	2.3766E-05	9.38541E-05	0.000126603	0.000107281	0.000111621	1.54185E-05	9.38541E-05	0.000121529
7818	0.000116128	0.000121303	2.611E-05	0.000100273	0.000125776	0.000116913	0.000121602	1.76762E-05	0.000100273	0.000120609
7819	0.000124793	0.000130343	2.82468E-05	0.000102955	9.56088E-05	0.000123892	0.000128783	2.03517E-05	0.000102955	9.25188E-05

7820	0.000125199	0.000130758	2.85096E-05	0.000100729	6.70745E-05	0.000123341	0.000128167	2.11908E-05	0.000100729	6.67909E-05
7821	0.000122864	0.000128341	2.75921E-05	9.65496E-05	5.1631E-05	0.000120309	0.000125019	2.05954E-05	9.65496E-05	5.23466E-05
7822	0.000115767	0.000120957	2.54897E-05	9.00451E-05	3.76779E-05	0.000113146	0.000117606	1.87394E-05	9.00451E-05	4.01042E-05
7823	0.000103203	0.000107833	2.26605E-05	8.21633E-05	3.69111E-05	0.000101538	0.000105576	1.60667E-05	8.21633E-05	3.92519E-05
7824	9.24458E-05	9.65993E-05	2.01905E-05	7.70587E-05	3.63595E-05	9.21919E-05	9.59179E-05	1.33257E-05	7.70587E-05	3.86389E-05
7825	7.759E-05	8.10834E-05	1.68193E-05	6.75345E-05	3.64571E-05	7.84041E-05	8.16264E-05	1.01999E-05	6.75345E-05	3.87552E-05
7826	7.44068E-05	7.77598E-05	1.60784E-05	6.67913E-05	3.66792E-05	7.59109E-05	7.90633E-05	9.18595E-06	6.67913E-05	3.90033E-05
7827	7.35031E-05	7.68139E-05	1.59086E-05	6.71166E-05	3.7251E-05	7.53777E-05	7.85237E-05	8.78953E-06	6.71166E-05	3.96415E-05
7828	7.62482E-05	7.96796E-05	1.65549E-05	7.03686E-05	3.84766E-05	7.8441E-05	8.17216E-05	9.00269E-06	7.03686E-05	4.10068E-05
7829	8.33171E-05	8.70621E-05	1.81689E-05	7.67596E-05	3.98876E-05	8.56503E-05	8.92233E-05	1.00226E-05	7.67596E-05	4.25779E-05
7830	9.24887E-05	9.6644E-05	2.02037E-05	8.41197E-05	3.99103E-05	9.46968E-05	9.86254E-05	1.15423E-05	8.41197E-05	4.20551E-05
7831	9.5665E-05	9.99237E-05	2.15807E-05	8.79712E-05	0.000129911	9.81181E-05	0.000102153	1.27236E-05	8.79712E-05	0.000125771
7832	9.35026E-05	9.76299E-05	2.17047E-05	8.75862E-05	0.000128893	9.63128E-05	0.000100251	1.29603E-05	8.75862E-05	0.000124089
7833	9.11879E-05	9.52101E-05	2.12173E-05	8.46791E-05	0.000129006	9.36531E-05	9.747E-05	1.28628E-05	8.46791E-05	0.000124212
7834	9.00897E-05	9.40757E-05	2.07495E-05	8.12668E-05	0.000129147	9.1756E-05	9.54688E-05	1.31702E-05	8.12668E-05	0.000124366
7835	8.95829E-05	9.35553E-05	2.04788E-05	7.90376E-05	0.000129648	9.0669E-05	9.43176E-05	1.34409E-05	7.90376E-05	0.000124921
7836	8.78198E-05	9.17216E-05	1.99452E-05	7.69739E-05	0.000115404	8.87493E-05	9.23179E-05	1.3215E-05	7.69739E-05	0.000111806
7837	8.71793E-05	9.10493E-05	1.98587E-05	7.67688E-05	0.000115706	8.82076E-05	9.17575E-05	1.30688E-05	7.67688E-05	0.000112141
7838	8.71374E-05	9.10043E-05	1.98684E-05	7.76935E-05	0.000115331	8.8496E-05	9.20708E-05	1.28305E-05	7.76935E-05	0.000111723
7839	8.91781E-05	9.31392E-05	2.02725E-05	7.97174E-05	0.000129127	9.06603E-05	9.43276E-05	1.30362E-05	7.97174E-05	0.000124338
7840	9.57744E-05	0.000100034	2.1674E-05	8.53567E-05	0.000127637	9.73082E-05	0.000101244	1.39976E-05	8.53567E-05	0.00012268
7841	0.000105649	0.000110356	2.3766E-05	9.38541E-05	0.000126603	0.000107281	0.000111621	1.54185E-05	9.38541E-05	0.000121529
7842	0.000116128	0.000121303	2.611E-05	0.000100273	0.000125776	0.000116913	0.000121602	1.76762E-05	0.000100273	0.000120609
7843	0.000124793	0.000130343	2.82468E-05	0.000102955	9.56088E-05	0.000123892	0.000128783	2.03517E-05	0.000102955	9.25188E-05
7844	0.000125199	0.000130758	2.85096E-05	0.000100729	6.70745E-05	0.000123341	0.000128167	2.11908E-05	0.000100729	6.67909E-05
7845	0.000122864	0.000128341	2.75921E-05	9.65496E-05	5.1631E-05	0.000120309	0.000125019	2.05954E-05	9.65496E-05	5.23466E-05
7846	0.000115767	0.000120957	2.54897E-05	9.00451E-05	3.76779E-05	0.000113146	0.000117606	1.87394E-05	9.00451E-05	4.01042E-05
7847	0.000103203	0.000107833	2.26605E-05	8.21633E-05	3.69111E-05	0.000101538	0.000105576	1.60667E-05	8.21633E-05	3.92519E-05
7848	9.24458E-05	9.65993E-05	2.01905E-05	7.70587E-05	3.63595E-05	9.21919E-05	9.59179E-05	1.33257E-05	7.70587E-05	3.86389E-05
7849	7.759E-05	8.10834E-05	1.68193E-05	6.75345E-05	3.64571E-05	7.84041E-05	8.16264E-05	1.01999E-05	6.75345E-05	3.87552E-05
7850	7.44068E-05	7.77598E-05	1.60784E-05	6.67913E-05	3.66792E-05	7.59109E-05	7.90633E-05	9.18595E-06	6.67913E-05	3.90033E-05
7851	7.35031E-05	7.68139E-05	1.59086E-05	6.71166E-05	3.7251E-05	7.53777E-05	7.85237E-05	8.78953E-06	6.71166E-05	3.96415E-05
7852	7.62482E-05	7.96796E-05	1.65549E-05	7.03686E-05	3.84766E-05	7.8441E-05	8.17216E-05	9.00269E-06	7.03686E-05	4.10068E-05
7853	8.33171E-05	8.70621E-05	1.81689E-05	7.67596E-05	3.98876E-05	8.56503E-05	8.92233E-05	1.00226E-05	7.67596E-05	4.25779E-05
7854	9.24887E-05	9.6644E-05	2.02037E-05	8.41197E-05	3.99103E-05	9.46968E-05	9.86254E-05	1.15423E-05	8.41197E-05	4.20551E-05
7855	9.5665E-05	9.99237E-05	2.15807E-05	8.79712E-05	0.000129911	9.81181E-05	0.000102153	1.27236E-05	8.79712E-05	0.000125771
7856	9.35026E-05	9.76299E-05	2.17047E-05	8.75862E-05	0.000128893	9.63128E-05	0.000100251	1.29603E-05	8.75862E-05	0.000124089
7857	9.11879E-05	9.52101E-05	2.12173E-05	8.46791E-05	0.000129006	9.36531E-05	9.747E-05	1.28628E-05	8.46791E-05	0.000124212
7858	9.00897E-05	9.40757E-05	2.07495E-05	8.12668E-05	0.000129147	9.1756E-05	9.54688E-05	1.31702E-05	8.12668E-05	0.000124366
7859	8.95829E-05	9.35553E-05	2.04788E-05	7.90376E-05	0.000129648	9.0669E-05	9.43176E-05	1.34409E-05	7.90376E-05	0.000124921
7860	8.78198E-05	9.17216E-05	1.99452E-05	7.69739E-05	0.000115404	8.87493E-05	9.23179E-05	1.3215E-05	7.69739E-05	0.000111806
7861	8.71793E-05	9.10493E-05	1.98587E-05	7.67688E-05	0.000115706	8.82076E-05	9.17575E-05	1.30688E-05	7.67688E-05	0.000112141
7862	8.71374E-05	9.10043E-05	1.98684E-05	7.76935E-05	0.000115331	8.8496E-05	9.20708E-05	1.28305E-05	7.76935E-05	0.000111723
7863	8.91781E-05	9.31392E-05	2.02725E-05	7.97174E-05	0.000129127	9.06603E-05	9.43276E-05	1.30362E-05	7.97174E-05	0.000124338
7864	9.57744E-05	0.000100034	2.1674E-05	8.53567E-05	0.000127637	9.73082E-05	0.000101244	1.39976E-05	8.53567E-05	0.00012268
7865	0.000105649	0.000110356	2.3766E-05	9.38541E-05	0.000126603	0.000107281	0.000111621	1.54185E-05	9.38541E-05	0.000121529
7866	0.000116128	0.000121303	2.611E-05	0.000100273	0.000125776	0.000116913	0.000121602	1.76762E-05	0.000100273	0.000120609
7867	0.000124793	0.000130343	2.82468E-05	0.000102955	9.56088E-05	0.000123892	0.000128783	2.03517E-05	0.000102955	9.25188E-05
7868	0.000125199	0.000130758	2.85096E-05	0.000100729	6.70745E-05	0.000123341	0.000128167	2.11908E-05	0.000100729	6.67909E-05
7869	0.000122864	0.000128341	2.75921E-05	9.65496E-05	5.1631E-05	0.000120309	0.000125019	2.05954E-05	9.65496E-05	5.23466E-05
7870	0.000115767	0.000120957	2.54897E-05	9.00451E-05	3.76779E-05	0.000113146	0.000117606	1.87394E-05	9.00451E-05	4.01042E-05
7871	0.000103203	0.000107833	2.26605E-05	8.21633E-05	3.69111E-05	0.000101538	0.000105576	1.60667E-05	8.21633E-05	3.92519E-05
7872	9.24458E-05	9.65993E-05	2.01905E-05	7.70587E-05	3.63595E-05	9.21919E-05	9.59179E-05	1.33257E-05	7.70587E-05	3.86389E-05
7873	7.84725E-05	8.20065E-05	1.69959E-05	6.82981E-05	3.62314E-05	7.93003E-05	8.25593E-05	1.03185E-05	6.82981E-05	3.85032E-05
7874	7.42615E-05	7.76072E-05	1.60601E-05	6.67319E-05	3.67196E-05	7.5783E-05	7.89307E-05	9.15705E-06	6.67319E-05	3.90487E-05
7875	7.33899E-05	7.66948E-05	1.58978E-05	6.70916E-05	3.73109E-05	7.52844E-05	7.84272E-05	8.76403E-06	6.70916E-05	3.97087E-05
7876	7.61524E-05	7.95781E-05	1.65581E-05	7.04224E-05	3.85639E-05	7.83843E-05	8.16637E-05	8.97053E-06	7.04224E-05	4.11044E-05
7877	8.32544E-05	8.69958E-05	1.81698E-05	7.67875E-05	4.00051E-05	8.56111E-05	8.91831E-05	1.00026E-05	7.67875E-05	4.2709E-05
7878	9.23536E-05	9.65025E-05	2.01803E-05	8.40251E-05	4.00942E-05	9.45662E-05	9.84897E-05	1.1521E-05	8.40251E-05	4.22601E-05
7879	9.70761E-05	0.000101415	2.16052E-05	8.79478E-05	0.000130243	9.91702E-05	0.000103253	1.27609E-05	8.79478E-05	0.000126141
7880	9.30714E-05	9.71792E-05	2.16131E-05	8.71808E-05	0.000129373	9.58654E-05	9.97847E-05	1.29068E-05	8.71808E-05	0.000124624
7881	9.03965E-05	9.43813E-05	2.10779E-05	8.41101E-05	0.000129485	9.28838E-05	9.66702E-05	1.27401E-05	8.41101E-05	0.000124746
7882	8.90044E-05	9.2941E-05	2.05238E-05	8.02759E-05	0.000129601	9.06385E-05	9.4305E-05	1.30316E-05	8.02759E-05	0.000124871
7883	8.81964E-05	9.21053E-05	2.01968E-05	7.78096E-05	0.000130088	8.92526E-05	9.28429E-05	1.32585E-05	7.78096E-05	0.00012541
7884	8.63683E-05	9.02031E-05	1.96572E-05	7.57325E-05	0.00011585	8.72795E-05	9.0788E-05	1.30177E-05	7.57325E-05	0.000112302
7885	8.58561E-05	8.96658E-05	1.95838E-05	7.55618E-05	0.000116154	8.68454E-05	9.03389E-05	1.28996E-05	7.55618E-05	0.000112639
7886	8.55295E-05	8.93228E-05	1.95414E-05	7.62704E-05	0.000115687	8.68538E-05	9.0361E-05	1.26188E-05	7.62704E-05	0.000112119
7887	8.81864E-05	9.2102E-05	2.00707E-05	7.88389E-05	0.000129421	8.96471E-05	9.32727E-05	1.29057E-05	7.88389E-05	0.000124664
7888	9.49116E-05	9.91334E-05	2.14699E-05	8.44178E-05	0.000127878	9.63749E-05	0.000100271	1.39087E-05	8.44178E-05	0.000122947
7889	0.000105087	0.000109769	2.36284E-05	9.32146E-05	0.000126801	0.000106665	0.000110978	1.53645E-05	9.32146E-05	0.000121748
7890	0.000115365	0.000120506	2.59261E-05	9.94219E-05	0.000125931	0.000116082	0.000120734	1.76005E-05	9.94219E-05	0.000120781
7891	0.00012408	0.000129598	2.8086E-05	0.000102227	9.57547E-05	0.000123135	0.000127995	2.02716E-05	0.000102227	9.2681E-05
7892	0.000124538	0.000130067	2.83503E-05	9.99917E-05	6.72092E-05	0.000122621	0.000127416	2.11251E-05	9.99917E-05	6.69409E-05
7893	0.000120582	0.00012594	2.73636E-05	9.56374E-05	5.17465E-05	0.000118318	0.000122941	2.04665E-05	9.56374E-05	5.24753E-05
7894	0.000115118	0.000120279	2.53362E-05	8.93392E-05	3.77733E-05	0.000112443	0.000116874	1.86724E-05	8.93392E-05	4.02104E-05
7895	0.000102754	0.000107365	2.25431E-05	8.16059E-05	3.69366E-05	0.000101032	0.000105048	1.60303E-05	8.16059E-05	3.92802E-05

7896	9.21243E-05	9.62641E-05	2.01083E-05	7.66712E-05	3.62904E-05	9.1833E-05	9.55433E-05	1.32979E-05	7.66712E-05	3.85619E-05
7897	7.759E-05	8.10834E-05	1.68193E-05	6.75345E-05	3.64571E-05	7.84041E-05	8.16264E-05	1.01999E-05	6.75345E-05	3.87552E-05
7898	7.44068E-05	7.77598E-05	1.60784E-05	6.67913E-05	3.66792E-05	7.59109E-05	7.90633E-05	9.18595E-06	6.67913E-05	3.90033E-05
7899	7.35031E-05	7.68139E-05	1.59086E-05	6.71166E-05	3.7251E-05	7.53777E-05	7.85237E-05	8.78953E-06	6.71166E-05	3.96415E-05
7900	7.62482E-05	7.96796E-05	1.65549E-05	7.03686E-05	3.84766E-05	7.8441E-05	8.17216E-05	9.00269E-06	7.03686E-05	4.10068E-05
7901	8.33171E-05	8.70621E-05	1.81689E-05	7.67596E-05	3.98876E-05	8.56503E-05	8.92233E-05	1.00226E-05	7.67596E-05	4.25779E-05
7902	9.24887E-05	9.6644E-05	2.02037E-05	8.41197E-05	3.99103E-05	9.46968E-05	9.86254E-05	1.15423E-05	8.41197E-05	4.20551E-05
7903	9.5665E-05	9.99237E-05	2.15807E-05	8.79712E-05	0.000129911	9.81181E-05	0.000102153	1.27236E-05	8.79712E-05	0.000125771
7904	9.35026E-05	9.76299E-05	2.17047E-05	8.75862E-05	0.000128893	9.63128E-05	0.000100251	1.29603E-05	8.75862E-05	0.000124089
7905	9.11879E-05	9.52101E-05	2.12173E-05	8.46791E-05	0.000129006	9.36531E-05	9.747E-05	1.28628E-05	8.46791E-05	0.000124212
7906	9.00897E-05	9.40757E-05	2.07495E-05	8.12668E-05	0.000129147	9.1756E-05	9.54688E-05	1.31702E-05	8.12668E-05	0.000124366
7907	8.95829E-05	9.35553E-05	2.04788E-05	7.90376E-05	0.000129648	9.0669E-05	9.43176E-05	1.34409E-05	7.90376E-05	0.000124921
7908	8.78198E-05	9.17216E-05	1.99452E-05	7.69739E-05	0.000115404	8.87493E-05	9.23179E-05	1.3215E-05	7.69739E-05	0.000111806
7909	8.71793E-05	9.10493E-05	1.98587E-05	7.67688E-05	0.000115706	8.82076E-05	9.17575E-05	1.30688E-05	7.67688E-05	0.000112141
7910	8.71374E-05	9.10043E-05	1.98684E-05	7.76935E-05	0.000115331	8.8496E-05	9.20708E-05	1.28305E-05	7.76935E-05	0.000111723
7911	8.91781E-05	9.31392E-05	2.02725E-05	7.97174E-05	0.000129127	9.06603E-05	9.43276E-05	1.30362E-05	7.97174E-05	0.000124338
7912	9.57744E-05	0.000100034	2.1674E-05	8.53567E-05	0.000127637	9.73082E-05	0.000101244	1.39976E-05	8.53567E-05	0.00012268
7913	0.000105649	0.000110356	2.3766E-05	9.38541E-05	0.000126603	0.000107281	0.000111621	1.54185E-05	9.38541E-05	0.000121529
7914	0.000116128	0.000121303	2.611E-05	0.000100273	0.000125776	0.000116913	0.000121602	1.76762E-05	0.000100273	0.000120609
7915	0.000124793	0.000130343	2.82468E-05	0.000102955	9.56088E-05	0.000123892	0.000128783	2.03517E-05	0.000102955	9.25188E-05
7916	0.000125199	0.000130758	2.85096E-05	0.000100729	6.70745E-05	0.000123341	0.000128167	2.11908E-05	0.000100729	6.67909E-05
7917	0.000122864	0.000128341	2.75921E-05	9.65496E-05	5.1631E-05	0.000120309	0.000125019	2.05954E-05	9.65496E-05	5.23466E-05
7918	0.000115767	0.000120957	2.54897E-05	9.00451E-05	3.76779E-05	0.000113146	0.000117606	1.87394E-05	9.00451E-05	4.01042E-05
7919	0.000103203	0.000107833	2.26605E-05	8.21633E-05	3.69111E-05	0.000101538	0.000105576	1.60667E-05	8.21633E-05	3.92519E-05
7920	9.24458E-05	9.65993E-05	2.01905E-05	7.70587E-05	3.63595E-05	9.21919E-05	9.59179E-05	1.33257E-05	7.70587E-05	3.86389E-05
7921	7.84725E-05	8.20065E-05	1.69959E-05	6.82981E-05	3.62314E-05	7.93003E-05	8.25593E-05	1.03185E-05	6.82981E-05	3.85032E-05
7922	7.42615E-05	7.76072E-05	1.60601E-05	6.67319E-05	3.67196E-05	7.5783E-05	7.89307E-05	9.15705E-06	6.67319E-05	3.90487E-05
7923	7.33899E-05	7.66948E-05	1.58978E-05	6.70916E-05	3.73109E-05	7.52844E-05	7.84272E-05	8.76403E-06	6.70916E-05	3.97087E-05
7924	7.61524E-05	7.95781E-05	1.65581E-05	7.04224E-05	3.85639E-05	7.83843E-05	8.16637E-05	8.97053E-06	7.04224E-05	4.11044E-05
7925	8.32544E-05	8.69958E-05	1.81698E-05	7.67875E-05	4.00051E-05	8.56111E-05	8.91831E-05	1.00026E-05	7.67875E-05	4.2709E-05
7926	9.23536E-05	9.65025E-05	2.01803E-05	8.40251E-05	4.00942E-05	9.45662E-05	9.84897E-05	1.1521E-05	8.40251E-05	4.22601E-05
7927	9.70761E-05	0.000101415	2.16052E-05	8.79478E-05	0.000130243	9.91702E-05	0.000103253	1.27609E-05	8.79478E-05	0.000126141
7928	9.30714E-05	9.71792E-05	2.16131E-05	8.71808E-05	0.000129373	9.58654E-05	9.97847E-05	1.29068E-05	8.71808E-05	0.000124624
7929	9.03965E-05	9.43813E-05	2.10779E-05	8.41101E-05	0.000129485	9.28838E-05	9.66702E-05	1.27401E-05	8.41101E-05	0.000124746
7930	8.90044E-05	9.2941E-05	2.05238E-05	8.02759E-05	0.000129601	9.06385E-05	9.4305E-05	1.30316E-05	8.02759E-05	0.000124871
7931	8.81964E-05	9.21053E-05	2.01968E-05	7.78096E-05	0.000130088	8.92526E-05	9.28429E-05	1.32585E-05	7.78096E-05	0.00012541
7932	8.63683E-05	9.02031E-05	1.96572E-05	7.57325E-05	0.00011585	8.72795E-05	9.0788E-05	1.30177E-05	7.57325E-05	0.000112302
7933	8.58561E-05	8.96658E-05	1.95838E-05	7.55618E-05	0.000116154	8.68454E-05	9.03389E-05	1.28996E-05	7.55618E-05	0.000112639
7934	8.55295E-05	8.93228E-05	1.95414E-05	7.62704E-05	0.000115687	8.68538E-05	9.0361E-05	1.26188E-05	7.62704E-05	0.000112119
7935	8.81864E-05	9.2102E-05	2.00707E-05	7.88389E-05	0.000129421	8.96471E-05	9.32727E-05	1.29057E-05	7.88389E-05	0.000124664
7936	9.49116E-05	9.91334E-05	2.14699E-05	8.44178E-05	0.000127878	9.63749E-05	0.000100271	1.39087E-05	8.44178E-05	0.000122947
7937	0.000105087	0.000109769	2.36284E-05	9.32146E-05	0.000126801	0.000106665	0.000110978	1.53645E-05	9.32146E-05	0.000121748
7938	0.000115365	0.000120506	2.59261E-05	9.94219E-05	0.000125931	0.000116082	0.000120734	1.76005E-05	9.94219E-05	0.000120781
7939	0.00012408	0.000129598	2.8086E-05	0.000102227	9.57547E-05	0.000123135	0.000127995	2.02716E-05	0.000102227	9.2681E-05
7940	0.000124538	0.000130067	2.83503E-05	9.99917E-05	6.72092E-05	0.000122621	0.000127416	2.11251E-05	9.99917E-05	6.69409E-05
7941	0.000120582	0.00012594	2.73636E-05	9.56374E-05	5.17465E-05	0.000118318	0.000122941	2.04665E-05	9.56374E-05	5.24753E-05
7942	0.000115118	0.000120279	2.53362E-05	8.93392E-05	3.77733E-05	0.000112443	0.000116874	1.86724E-05	8.93392E-05	4.02104E-05
7943	0.000102754	0.000107365	2.25431E-05	8.16059E-05	3.69366E-05	0.000101032	0.000105048	1.60303E-05	8.16059E-05	3.92802E-05
7944	9.21243E-05	9.62641E-05	2.01083E-05	7.66712E-05	3.62904E-05	9.1833E-05	9.55433E-05	1.32979E-05	7.66712E-05	3.85619E-05
7945	7.84725E-05	8.20065E-05	1.69959E-05	6.82981E-05	3.62314E-05	7.93003E-05	8.25593E-05	1.03185E-05	6.82981E-05	3.85032E-05
7946	7.42615E-05	7.76072E-05	1.60601E-05	6.67319E-05	3.67196E-05	7.5783E-05	7.89307E-05	9.15705E-06	6.67319E-05	3.90487E-05
7947	7.33899E-05	7.66948E-05	1.58978E-05	6.70916E-05	3.73109E-05	7.52844E-05	7.84272E-05	8.76403E-06	6.70916E-05	3.97087E-05
7948	7.61524E-05	7.95781E-05	1.65581E-05	7.04224E-05	3.85639E-05	7.83843E-05	8.16637E-05	8.97053E-06	7.04224E-05	4.11044E-05
7949	8.32544E-05	8.69958E-05	1.81698E-05	7.67875E-05	4.00051E-05	8.56111E-05	8.91831E-05	1.00026E-05	7.67875E-05	4.2709E-05
7950	9.23536E-05	9.65025E-05	2.01803E-05	8.40251E-05	4.00942E-05	9.45662E-05	9.84897E-05	1.1521E-05	8.40251E-05	4.22601E-05
7951	9.70761E-05	0.000101415	2.16052E-05	8.79478E-05	0.000130243	9.91702E-05	0.000103253	1.27609E-05	8.79478E-05	0.000126141
7952	9.30714E-05	9.71792E-05	2.16131E-05	8.71808E-05	0.000129373	9.58654E-05	9.97847E-05	1.29068E-05	8.71808E-05	0.000124624
7953	9.03965E-05	9.43813E-05	2.10779E-05	8.41101E-05	0.000129485	9.28838E-05	9.66702E-05	1.27401E-05	8.41101E-05	0.000124746
7954	8.90044E-05	9.2941E-05	2.05238E-05	8.02759E-05	0.000129601	9.06385E-05	9.4305E-05	1.30316E-05	8.02759E-05	0.000124871
7955	8.81964E-05	9.21053E-05	2.01968E-05	7.78096E-05	0.000130088	8.92526E-05	9.28429E-05	1.32585E-05	7.78096E-05	0.00012541
7956	8.63683E-05	9.02031E-05	1.96572E-05	7.57325E-05	0.00011585	8.72795E-05	9.0788E-05	1.30177E-05	7.57325E-05	0.000112302
7957	8.58561E-05	8.96658E-05	1.95838E-05	7.55618E-05	0.000116154	8.68454E-05	9.03389E-05	1.28996E-05	7.55618E-05	0.000112639
7958	8.55295E-05	8.93228E-05	1.95414E-05	7.62704E-05	0.000115687	8.68538E-05	9.0361E-05	1.26188E-05	7.62704E-05	0.000112119
7959	8.81864E-05	9.2102E-05	2.00707E-05	7.88389E-05	0.000129421	8.96471E-05	9.32727E-05	1.29057E-05	7.88389E-05	0.000124664
7960	9.49116E-05	9.91334E-05	2.14699E-05	8.44178E-05	0.000127878	9.63749E-05	0.000100271	1.39087E-05	8.44178E-05	0.000122947
7961	0.000105087	0.000109769	2.36284E-05	9.32146E-05	0.000126801	0.000106665	0.000110978	1.53645E-05	9.32146E-05	0.000121748
7962	0.000115365	0.000120506	2.59261E-05	9.94219E-05	0.000125931	0.000116082	0.000120734	1.76005E-05	9.94219E-05	0.000120781
7963	0.00012408	0.000129598	2.8086E-05	0.000102227	9.57547E-05	0.000123135	0.000127995	2.02716E-05	0.000102227	9.2681E-05
7964	0.000124538	0.000130067	2.83503E-05	9.99917E-05	6.72092E-05	0.000122621	0.000127416	2.11251E-05	9.99917E-05	6.69409E-05
7965	0.000120582	0.00012594	2.73636E-05	9.56374E-05	5.17465E-05	0.000118318	0.000122941	2.04665E-05	9.56374E-05	5.24753E-05
7966	0.000115118	0.000120279	2.53362E-05	8.93392E-05	3.77733E-05	0.000112443	0.000116874	1.86724E-05	8.93392E-05	4.02104E-05
7967	0.000102754	0.000107365	2.25431E-05	8.16059E-05	3.69366E-05	0.000101032	0.000105048	1.60303E-05	8.16059E-05	3.92802E-05
7968	9.21243E-05	9.62641E-05	2.01083E-05	7.66712E-05	3.62904E-05	9.1833E-05	9.55433E-05	1.32979E-05	7.66712E-05	3.85619E-05
7969	7.759E-05	8.10834E-05	1.68193E-05	6.75345E-05	3.64571E-05	7.84041E-05	8.16264E-05	1.01999E-05	6.75345E-05	3.87552E-05
7970	7.44068E-05	7.77598E-05	1.60784E-05	6.67913E-05	3.66792E-05	7.59109E-05	7.90633E-05	9.18595E-06	6.67913E-05	3.90033E-05
7971	7.35031E-05	7.68139E-05	1.59086E-05	6.71166E-05	3.7251E-05	7.53777E-05	7.85237E-05	8.78953E-06	6.71166E-05	3.96415E-05

7972	7.62482E-05	7.96796E-05	1.65549E-05	7.03686E-05	3.84766E-05	7.8441E-05	8.17216E-05	9.00269E-06	7.03686E-05	4.10068E-05
7973	8.33171E-05	8.70621E-05	1.81689E-05	7.67596E-05	3.98876E-05	8.56503E-05	8.92233E-05	1.00226E-05	7.67596E-05	4.25779E-05
7974	9.24887E-05	9.6644E-05	2.02037E-05	8.41197E-05	3.99103E-05	9.46968E-05	9.86254E-05	1.15423E-05	8.41197E-05	4.20551E-05
7975	9.5665E-05	9.99237E-05	2.15807E-05	8.79712E-05	0.000129911	9.81181E-05	0.000102153	1.27236E-05	8.79712E-05	0.000125771
7976	9.35026E-05	9.76299E-05	2.17047E-05	8.75862E-05	0.000128893	9.63128E-05	0.000100251	1.29603E-05	8.75862E-05	0.000124089
7977	9.11879E-05	9.52101E-05	2.12173E-05	8.46791E-05	0.000129006	9.36531E-05	9.747E-05	1.28628E-05	8.46791E-05	0.000124212
7978	9.00897E-05	9.40757E-05	2.07495E-05	8.12668E-05	0.000129147	9.1756E-05	9.54688E-05	1.31702E-05	8.12668E-05	0.000124366
7979	8.95829E-05	9.35553E-05	2.04788E-05	7.90376E-05	0.000129648	9.0669E-05	9.43176E-05	1.34409E-05	7.90376E-05	0.000124921
7980	8.78198E-05	9.17216E-05	1.99452E-05	7.69739E-05	0.000115404	8.87493E-05	9.23179E-05	1.3215E-05	7.69739E-05	0.000111806
7981	8.71793E-05	9.10493E-05	1.98587E-05	7.67688E-05	0.000115706	8.82076E-05	9.17575E-05	1.30688E-05	7.67688E-05	0.000112141
7982	8.71374E-05	9.10043E-05	1.98684E-05	7.76935E-05	0.000115331	8.8496E-05	9.20708E-05	1.28305E-05	7.76935E-05	0.000111723
7983	8.91781E-05	9.31392E-05	2.02725E-05	7.97174E-05	0.000129127	9.06603E-05	9.43276E-05	1.30362E-05	7.97174E-05	0.000124338
7984	9.57744E-05	0.000100034	2.1674E-05	8.53567E-05	0.000127637	9.73082E-05	0.000101244	1.39976E-05	8.53567E-05	0.00012268
7985	0.000105649	0.000110356	2.3766E-05	9.38541E-05	0.000126603	0.000107281	0.000111621	1.54185E-05	9.38541E-05	0.000121529
7986	0.000116128	0.000121303	2.611E-05	0.000100273	0.000125776	0.000116913	0.000121602	1.76762E-05	0.000100273	0.000120609
7987	0.000124793	0.000130343	2.82468E-05	0.000102955	9.56088E-05	0.000123892	0.000128783	2.03517E-05	0.000102955	9.25188E-05
7988	0.000125199	0.000130758	2.85096E-05	0.000100729	6.70745E-05	0.000123341	0.000128167	2.11908E-05	0.000100729	6.67909E-05
7989	0.000122864	0.000128341	2.75921E-05	9.65496E-05	5.1631E-05	0.000120309	0.000125019	2.05954E-05	9.65496E-05	5.23466E-05
7990	0.000115767	0.000120957	2.54897E-05	9.00451E-05	3.76779E-05	0.000113146	0.000117606	1.87394E-05	9.00451E-05	4.01042E-05
7991	0.000103203	0.000107833	2.26605E-05	8.21633E-05	3.69111E-05	0.000101538	0.000105576	1.60667E-05	8.21633E-05	3.92519E-05
7992	9.24458E-05	9.65993E-05	2.01905E-05	7.70587E-05	3.63595E-05	9.21919E-05	9.59179E-05	1.33257E-05	7.70587E-05	3.86389E-05
7993	7.759E-05	8.10834E-05	1.68193E-05	6.75345E-05	3.64571E-05	7.84041E-05	8.16264E-05	1.01999E-05	6.75345E-05	3.87552E-05
7994	7.44068E-05	7.77598E-05	1.60784E-05	6.67913E-05	3.66792E-05	7.59109E-05	7.90633E-05	9.18595E-06	6.67913E-05	3.90033E-05
7995	7.35031E-05	7.68139E-05	1.59086E-05	6.71166E-05	3.7251E-05	7.53777E-05	7.85237E-05	8.78953E-06	6.71166E-05	3.96415E-05
7996	7.62482E-05	7.96796E-05	1.65549E-05	7.03686E-05	3.84766E-05	7.8441E-05	8.17216E-05	9.00269E-06	7.03686E-05	4.10068E-05
7997	8.33171E-05	8.70621E-05	1.81689E-05	7.67596E-05	3.98876E-05	8.56503E-05	8.92233E-05	1.00226E-05	7.67596E-05	4.25779E-05
7998	9.24887E-05	9.6644E-05	2.02037E-05	8.41197E-05	3.99103E-05	9.46968E-05	9.86254E-05	1.15423E-05	8.41197E-05	4.20551E-05
7999	9.5665E-05	9.99237E-05	2.15807E-05	8.79712E-05	0.000129911	9.81181E-05	0.000102153	1.27236E-05	8.79712E-05	0.000125771
8000	9.35026E-05	9.76299E-05	2.17047E-05	8.75862E-05	0.000128893	9.63128E-05	0.000100251	1.29603E-05	8.75862E-05	0.000124089
8001	9.11879E-05	9.52101E-05	2.12173E-05	8.46791E-05	0.000129006	9.36531E-05	9.747E-05	1.28628E-05	8.46791E-05	0.000124212
8002	9.00897E-05	9.40757E-05	2.07495E-05	8.12668E-05	0.000129147	9.1756E-05	9.54688E-05	1.31702E-05	8.12668E-05	0.000124366
8003	8.95829E-05	9.35553E-05	2.04788E-05	7.90376E-05	0.000129648	9.0669E-05	9.43176E-05	1.34409E-05	7.90376E-05	0.000124921
8004	8.78198E-05	9.17216E-05	1.99452E-05	7.69739E-05	0.000115404	8.87493E-05	9.23179E-05	1.3215E-05	7.69739E-05	0.000111806
8005	8.71793E-05	9.10493E-05	1.98587E-05	7.67688E-05	0.000115706	8.82076E-05	9.17575E-05	1.30688E-05	7.67688E-05	0.000112141
8006	8.71374E-05	9.10043E-05	1.98684E-05	7.76935E-05	0.000115331	8.8496E-05	9.20708E-05	1.28305E-05	7.76935E-05	0.000111723
8007	8.91781E-05	9.31392E-05	2.02725E-05	7.97174E-05	0.000129127	9.06603E-05	9.43276E-05	1.30362E-05	7.97174E-05	0.000124338
8008	9.57744E-05	0.000100034	2.1674E-05	8.53567E-05	0.000127637	9.73082E-05	0.000101244	1.39976E-05	8.53567E-05	0.00012268
8009	0.000105649	0.000110356	2.3766E-05	9.38541E-05	0.000126603	0.000107281	0.000111621	1.54185E-05	9.38541E-05	0.000121529
8010	0.000116128	0.000121303	2.611E-05	0.000100273	0.000125776	0.000116913	0.000121602	1.76762E-05	0.000100273	0.000120609
8011	0.000124793	0.000130343	2.82468E-05	0.000102955	9.56088E-05	0.000123892	0.000128783	2.03517E-05	0.000102955	9.25188E-05
8012	0.000125199	0.000130758	2.85096E-05	0.000100729	6.70745E-05	0.000123341	0.000128167	2.11908E-05	0.000100729	6.67909E-05
8013	0.000122864	0.000128341	2.75921E-05	9.65496E-05	5.1631E-05	0.000120309	0.000125019	2.05954E-05	9.65496E-05	5.23466E-05
8014	0.000115767	0.000120957	2.54897E-05	9.00451E-05	3.76779E-05	0.000113146	0.000117606	1.87394E-05	9.00451E-05	4.01042E-05
8015	0.000103203	0.000107833	2.26605E-05	8.21633E-05	3.69111E-05	0.000101538	0.000105576	1.60667E-05	8.21633E-05	3.92519E-05
8016	9.24458E-05	9.65993E-05	2.01905E-05	7.70587E-05	3.63595E-05	9.21919E-05	9.59179E-05	1.33257E-05	7.70587E-05	3.86389E-05
8017	7.759E-05	8.10834E-05	1.68193E-05	6.75345E-05	3.64571E-05	7.84041E-05	8.16264E-05	1.01999E-05	6.75345E-05	3.87552E-05
8018	7.44068E-05	7.77598E-05	1.60784E-05	6.67913E-05	3.66792E-05	7.59109E-05	7.90633E-05	9.18595E-06	6.67913E-05	3.90033E-05
8019	7.35031E-05	7.68139E-05	1.59086E-05	6.71166E-05	3.7251E-05	7.53777E-05	7.85237E-05	8.78953E-06	6.71166E-05	3.96415E-05
8020	7.62482E-05	7.96796E-05	1.65549E-05	7.03686E-05	3.84766E-05	7.8441E-05	8.17216E-05	9.00269E-06	7.03686E-05	4.10068E-05
8021	8.33171E-05	8.70621E-05	1.81689E-05	7.67596E-05	3.98876E-05	8.56503E-05	8.92233E-05	1.00226E-05	7.67596E-05	4.25779E-05
8022	9.24887E-05	9.6644E-05	2.02037E-05	8.41197E-05	3.99103E-05	9.46968E-05	9.86254E-05	1.15423E-05	8.41197E-05	4.20551E-05
8023	9.5665E-05	9.99237E-05	2.15807E-05	8.79712E-05	0.000129911	9.81181E-05	0.000102153	1.27236E-05	8.79712E-05	0.000125771
8024	9.35026E-05	9.76299E-05	2.17047E-05	8.75862E-05	0.000128893	9.63128E-05	0.000100251	1.29603E-05	8.75862E-05	0.000124089
8025	9.11879E-05	9.52101E-05	2.12173E-05	8.46791E-05	0.000129006	9.36531E-05	9.747E-05	1.28628E-05	8.46791E-05	0.000124212
8026	9.00897E-05	9.40757E-05	2.07495E-05	8.12668E-05	0.000129147	9.1756E-05	9.54688E-05	1.31702E-05	8.12668E-05	0.000124366
8027	8.95829E-05	9.35553E-05	2.04788E-05	7.90376E-05	0.000129648	9.0669E-05	9.43176E-05	1.34409E-05	7.90376E-05	0.000124921
8028	8.78198E-05	9.17216E-05	1.99452E-05	7.69739E-05	0.000115404	8.87493E-05	9.23179E-05	1.3215E-05	7.69739E-05	0.000111806
8029	8.71793E-05	9.10493E-05	1.98587E-05	7.67688E-05	0.000115706	8.82076E-05	9.17575E-05	1.30688E-05	7.67688E-05	0.000112141
8030	8.71374E-05	9.10043E-05	1.98684E-05	7.76935E-05	0.000115331	8.8496E-05	9.20708E-05	1.28305E-05	7.76935E-05	0.000111723
8031	8.91781E-05	9.31392E-05	2.02725E-05	7.97174E-05	0.000129127	9.06603E-05	9.43276E-05	1.30362E-05	7.97174E-05	0.000124338
8032	9.57744E-05	0.000100034	2.1674E-05	8.53567E-05	0.000127637	9.73082E-05	0.000101244	1.39976E-05	8.53567E-05	0.00012268
8033	0.000105649	0.000110356	2.3766E-05	9.38541E-05	0.000126603	0.000107281	0.000111621	1.54185E-05	9.38541E-05	0.000121529
8034	0.000116128	0.000121303	2.611E-05	0.000100273	0.000125776	0.000116913	0.000121602	1.76762E-05	0.000100273	0.000120609
8035	0.000124793	0.000130343	2.82468E-05	0.000102955	9.56088E-05	0.000123892	0.000128783	2.03517E-05	0.000102955	9.25188E-05
8036	0.000125199	0.000130758	2.85096E-05	0.000100729	6.70745E-05	0.000123341	0.000128167	2.11908E-05	0.000100729	6.67909E-05
8037	0.000122864	0.000128341	2.75921E-05	9.65496E-05	5.1631E-05	0.000120309	0.000125019	2.05954E-05	9.65496E-05	5.23466E-05
8038	0.000115767	0.000120957	2.54897E-05	9.00451E-05	3.76779E-05	0.000113146	0.000117606	1.87394E-05	9.00451E-05	4.01042E-05
8039	0.000103203	0.000107833	2.26605E-05	8.21633E-05	3.69111E-05	0.000101538	0.000105576	1.60667E-05	8.21633E-05	3.92519E-05
8040	9.24458E-05	9.65993E-05	2.01905E-05	7.70587E-05	3.63595E-05	9.21919E-05	9.59179E-05	1.33257E-05	7.70587E-05	3.86389E-05
8041	9.1662E-05	9.5751E-05	2.0531E-05	8.51873E-05	3.58421E-05	9.43207E-05	9.8242E-05	1.13201E-05	8.51873E-05	3.8071E-05
8042	8.75996E-05	9.15103E-05	1.95699E-05	8.34133E-05	3.60944E-05	9.08544E-05	9.46637E-05	1.0226E-05	8.34133E-05	3.83534E-05
8043	8.48996E-05	8.86871E-05	1.90135E-05	8.20183E-05	3.67148E-05	8.84478E-05	9.21724E-05	9.61143E-06	8.20183E-05	3.90465E-05
8044	8.63239E-05	9.01701E-05	1.94169E-05	8.42577E-05	3.78239E-05	9.02084E-05	9.40154E-05	9.6286E-06	8.42577E-05	4.02827E-05
8045	9.2593E-05	9.67134E-05	2.09165E-05	9.02355E-05	3.92869E-05	9.66884E-05	0.00010076	1.05016E-05	9.02355E-05	4.19105E-05
8046	0.000103058	0.000107653	2.31191E-05	9.81585E-05	3.96464E-05	0.000106883	0.000111353	1.22737E-05	9.81585E-05	4.17631E-05
8047	0.000108269	0.000113073	2.47111E-05	0.000102596	0.000130434	0.000112022	0.000116658	1.38944E-05	0.000102596	0.000126354

8048	0.000107673	0.000112421	2.50699E-05	0.000103086	0.00013026	0.000111664	0.000116259	1.44092E-05	0.000103086	0.000125611
8049	0.000107454	0.000112186	2.51404E-05	0.000102839	0.00013079	0.000111385	0.000115963	1.44744E-05	0.000102839	0.000126199
8050	0.000105938	0.000110598	2.48722E-05	0.000100796	0.000131025	0.000109578	0.00011407	1.44815E-05	0.000100796	0.000126458
8051	0.000104498	0.000109093	2.45668E-05	9.86887E-05	0.000131303	0.000107819	0.000112228	1.44957E-05	9.86887E-05	0.000126766
8052	0.000102944	0.000107473	2.41587E-05	9.73173E-05	0.000116556	0.000106263	0.000110611	1.42257E-05	9.73173E-05	0.000113095
8053	0.000102008	0.000106499	2.38709E-05	9.59878E-05	0.000116446	0.000105163	0.000109462	1.41622E-05	9.59878E-05	0.000112974
8054	0.000100788	0.00010523	2.3528E-05	9.51788E-05	0.000115856	0.000104043	0.000108304	1.38663E-05	9.51788E-05	0.000112317
8055	0.000102052	0.00010655	2.3799E-05	9.66667E-05	0.000129597	0.000105459	0.000109782	1.39482E-05	9.66667E-05	0.00012487
8056	0.000110871	0.000115763	2.57777E-05	0.000105039	0.000128166	0.000114605	0.000119306	1.50946E-05	0.000105039	0.000123277
8057	0.000124233	0.000129731	2.85887E-05	0.000116684	0.000126829	0.000128158	0.000133411	1.69661E-05	0.000116684	0.000121788
8058	0.000138176	0.000144306	3.15414E-05	0.000125583	0.000125735	0.000141154	0.000146889	1.97624E-05	0.000125583	0.00012057
8059	0.000147223	0.000153751	3.36738E-05	0.000128102	9.54106E-05	0.000148374	0.000154318	2.25591E-05	0.000128102	9.23044E-05
8060	0.000146309	0.000152786	3.364E-05	0.000124535	6.6669E-05	0.000146424	0.000152243	2.32485E-05	0.000124535	6.63456E-05
8061	0.000143213	0.000149579	3.24573E-05	0.000119007	5.10945E-05	0.000142413	0.000148071	2.26478E-05	0.000119007	5.1755E-05
8062	0.000134669	0.00014068	3.00968E-05	0.000111443	3.69576E-05	0.000133838	0.000139189	2.05702E-05	0.000111443	3.93073E-05
8063	0.000119136	0.00012445	2.67094E-05	0.000101211	3.61964E-05	0.000119281	0.000124091	1.74677E-05	0.000101211	3.84611E-05
8064	0.000106916	0.000111688	2.39089E-05	9.46101E-05	3.57405E-05	0.00010838	0.000112813	1.45624E-05	9.46101E-05	3.79543E-05
8065	9.1662E-05	9.5751E-05	2.0531E-05	8.51873E-05	3.58421E-05	9.43207E-05	9.8242E-05	1.13201E-05	8.51873E-05	3.8071E-05
8066	8.75996E-05	9.15103E-05	1.95699E-05	8.34133E-05	3.60944E-05	9.08544E-05	9.46637E-05	1.0226E-05	8.34133E-05	3.83534E-05
8067	8.48996E-05	8.86871E-05	1.90135E-05	8.20183E-05	3.67148E-05	8.84478E-05	9.21724E-05	9.61143E-06	8.20183E-05	3.90465E-05
8068	8.63239E-05	9.01701E-05	1.94169E-05	8.42577E-05	3.78239E-05	9.02084E-05	9.40154E-05	9.6286E-06	8.42577E-05	4.02827E-05
8069	9.2593E-05	9.67134E-05	2.09165E-05	9.02355E-05	3.92869E-05	9.66884E-05	0.00010076	1.05016E-05	9.02355E-05	4.19105E-05
8070	0.000103058	0.000107653	2.31191E-05	9.81585E-05	3.96464E-05	0.000106883	0.000111353	1.22737E-05	9.81585E-05	4.17631E-05
8071	0.000108269	0.000113073	2.47111E-05	0.000102596	0.000130434	0.000112022	0.000116658	1.38944E-05	0.000102596	0.000126354
8072	0.000107673	0.000112421	2.50699E-05	0.000103086	0.00013026	0.000111664	0.000116259	1.44092E-05	0.000103086	0.000125611
8073	0.000107454	0.000112186	2.51404E-05	0.000102839	0.00013079	0.000111385	0.000115963	1.44744E-05	0.000102839	0.000126199
8074	0.000105938	0.000110598	2.48722E-05	0.000100796	0.000131025	0.000109578	0.00011407	1.44815E-05	0.000100796	0.000126458
8075	0.000104498	0.000109093	2.45668E-05	9.86887E-05	0.000131303	0.000107819	0.000112228	1.44957E-05	9.86887E-05	0.000126766
8076	0.000102944	0.000107473	2.41587E-05	9.73173E-05	0.000116556	0.000106263	0.000110611	1.42257E-05	9.73173E-05	0.000113095
8077	0.000102008	0.000106499	2.38709E-05	9.59878E-05	0.000116446	0.000105163	0.000109462	1.41622E-05	9.59878E-05	0.000112974
8078	0.000100788	0.00010523	2.3528E-05	9.51788E-05	0.000115856	0.000104043	0.000108304	1.38663E-05	9.51788E-05	0.000112317
8079	0.000102052	0.00010655	2.3799E-05	9.66667E-05	0.000129597	0.000105459	0.000109782	1.39482E-05	9.66667E-05	0.00012487
8080	0.000110871	0.000115763	2.57777E-05	0.000105039	0.000128166	0.000114605	0.000119306	1.50946E-05	0.000105039	0.000123277
8081	0.000124233	0.000129731	2.85887E-05	0.000116684	0.000126829	0.000128158	0.000133411	1.69661E-05	0.000116684	0.000121788
8082	0.000138176	0.000144306	3.15414E-05	0.000125583	0.000125735	0.000141154	0.000146889	1.97624E-05	0.000125583	0.00012057
8083	0.000147223	0.000153751	3.36738E-05	0.000128102	9.54106E-05	0.000148374	0.000154318	2.25591E-05	0.000128102	9.23044E-05
8084	0.000146309	0.000152786	3.364E-05	0.000124535	6.6669E-05	0.000146424	0.000152243	2.32485E-05	0.000124535	6.63456E-05
8085	0.000143213	0.000149579	3.24573E-05	0.000119007	5.10945E-05	0.000142413	0.000148071	2.26478E-05	0.000119007	5.1755E-05
8086	0.000134669	0.00014068	3.00968E-05	0.000111443	3.69576E-05	0.000133838	0.000139189	2.05702E-05	0.000111443	3.93073E-05
8087	0.000119136	0.00012445	2.67094E-05	0.000101211	3.61964E-05	0.000119281	0.000124091	1.74677E-05	0.000101211	3.84611E-05
8088	0.000106916	0.000111688	2.39089E-05	9.46101E-05	3.57405E-05	0.00010838	0.000112813	1.45624E-05	9.46101E-05	3.79543E-05
8089	9.14737E-05	9.55545E-05	2.04836E-05	8.49651E-05	3.57948E-05	9.41118E-05	9.80241E-05	1.13031E-05	8.49651E-05	3.80184E-05
8090	8.64063E-05	9.02657E-05	1.92687E-05	8.19992E-05	3.60812E-05	8.95292E-05	9.32809E-05	1.01193E-05	8.19992E-05	3.83389E-05
8091	8.3726E-05	8.7463E-05	1.87177E-05	8.063E-05	3.67243E-05	8.71453E-05	9.08133E-05	9.50618E-06	8.063E-05	3.90572E-05
8092	8.51842E-05	8.8981E-05	1.91354E-05	8.2945E-05	3.77996E-05	8.89541E-05	9.27068E-05	9.52138E-06	8.2945E-05	4.02558E-05
8093	9.14597E-05	9.55307E-05	2.06417E-05	8.89615E-05	3.92382E-05	9.54504E-05	9.9469E-05	1.03906E-05	8.89615E-05	4.18564E-05
8094	0.000101947	0.000106494	2.28481E-05	9.68991E-05	3.9555E-05	0.000105667	0.000110084	1.21664E-05	9.68991E-05	4.16614E-05
8095	0.000108702	0.000113542	2.44964E-05	0.000101461	0.000130332	0.000112002	0.000116639	1.38374E-05	0.000101461	0.00012624
8096	0.000106211	0.000110896	2.47243E-05	0.000101496	0.000130131	0.000110084	0.000114611	1.42585E-05	0.000101496	0.000125468
8097	0.000105575	0.000110224	2.46983E-05	0.000100809	0.000130632	0.000109356	0.000113848	1.42786E-05	0.000100809	0.000126022
8098	0.000103522	0.000108075	2.43069E-05	9.82055E-05	0.000130881	0.000106975	0.000111357	1.4227E-05	9.82055E-05	0.000126297
8099	0.000101794	0.00010627	2.39334E-05	9.57847E-05	0.000131205	0.000104905	0.00010919	1.42115E-05	9.57847E-05	0.000126657
8100	0.000100148	0.000104554	2.35004E-05	9.42943E-05	0.000116452	0.000103244	0.000107463	1.39346E-05	9.42943E-05	0.000112979
8101	9.9192E-05	0.00010356	2.32018E-05	9.29057E-05	0.00011632	0.000102112	0.000106281	1.38746E-05	9.29057E-05	0.000112833
8102	9.80981E-05	0.000102421	2.28998E-05	9.23015E-05	0.000115742	0.000101148	0.000105285	1.3582E-05	9.23015E-05	0.00011219
8103	9.96251E-05	0.000104017	2.32282E-05	9.40463E-05	0.000129498	0.00010284	0.000107052	1.36953E-05	9.40463E-05	0.00012476
8104	0.000108804	0.000113606	2.52794E-05	0.000102732	0.000128102	0.000112352	0.000116957	1.48897E-05	0.000102732	0.000123206
8105	0.000122368	0.000127785	2.81275E-05	0.000114532	0.000126742	0.000126104	0.000131269	1.67912E-05	0.000114532	0.000121691
8106	0.000136443	0.000142498	3.11178E-05	0.000123614	0.000125639	0.000139255	0.000144908	1.95957E-05	0.000123614	0.000120463
8107	0.000145594	0.000152051	3.32651E-05	0.000126186	9.52708E-05	0.00014657	0.000152436	2.24113E-05	0.000126186	9.21487E-05
8108	0.000144938	0.000151356	3.32823E-05	0.00012284	6.65629E-05	0.00014488	0.000150632	2.31359E-05	0.00012284	6.62275E-05
8109	0.000140432	0.000146661	3.20824E-05	0.000117379	5.10439E-05	0.000139832	0.000145375	2.24923E-05	0.000117379	5.16989E-05
8110	0.000133507	0.000139469	2.97987E-05	0.000110036	3.69494E-05	0.000132539	0.000137834	2.04707E-05	0.000110036	3.92986E-05
8111	0.000118123	0.000123392	2.64613E-05	0.000100057	3.6204E-05	0.000118169	0.000122931	1.73704E-05	0.000100057	3.84698E-05
8112	0.000106307	0.000111052	2.37668E-05	9.39591E-05	3.58291E-05	0.000107725	0.00011213	1.4498E-05	9.39591E-05	3.80533E-05
8113	9.14737E-05	9.55545E-05	2.04836E-05	8.49651E-05	3.57948E-05	9.41118E-05	9.80241E-05	1.13031E-05	8.49651E-05	3.80184E-05
8114	8.64063E-05	9.02657E-05	1.92687E-05	8.19992E-05	3.60812E-05	8.95292E-05	9.32809E-05	1.01193E-05	8.19992E-05	3.83389E-05
8115	8.3726E-05	8.7463E-05	1.87177E-05	8.063E-05	3.67243E-05	8.71453E-05	9.08133E-05	9.50618E-06	8.063E-05	3.90572E-05
8116	8.51842E-05	8.8981E-05	1.91354E-05	8.2945E-05	3.77996E-05	8.89541E-05	9.27068E-05	9.52138E-06	8.2945E-05	4.02558E-05
8117	9.14597E-05	9.55307E-05	2.06417E-05	8.89615E-05	3.92382E-05	9.54504E-05	9.9469E-05	1.03906E-05	8.89615E-05	4.18564E-05
8118	0.000101947	0.000106494	2.28481E-05	9.68991E-05	3.9555E-05	0.000105667	0.000110084	1.21664E-05	9.68991E-05	4.16614E-05
8119	0.000108702	0.000113542	2.44964E-05	0.000101461	0.000130332	0.000112002	0.000116639	1.38374E-05	0.000101461	0.00012624
8120	0.000106211	0.000110896	2.47243E-05	0.000101496	0.000130131	0.000110084	0.000114611	1.42585E-05	0.000101496	0.000125468
8121	0.000105575	0.000110224	2.46983E-05	0.000100809	0.000130632	0.000109356	0.000113848	1.42786E-05	0.000100809	0.000126022
8122	0.000103522	0.000108075	2.43069E-05	9.82055E-05	0.000130881	0.000106975	0.000111357	1.4227E-05	9.82055E-05	0.000126297
8123	0.000101794	0.00010627	2.39334E-05	9.57847E-05	0.000131205	0.000104905	0.00010919	1.42115E-05	9.57847E-05	0.000126657

8124	0.000100148	0.000104554	2.35004E-05	9.42943E-05	0.000116452	0.000103244	0.000107463	1.39346E-05	9.42943E-05	0.000112979
8125	9.9192E-05	0.00010356	2.32018E-05	9.29057E-05	0.00011632	0.000102112	0.000106281	1.38746E-05	9.29057E-05	0.000112833
8126	9.80981E-05	0.000102421	2.28998E-05	9.23015E-05	0.000115742	0.000101148	0.000105285	1.3582E-05	9.23015E-05	0.00011219
8127	9.96251E-05	0.000104017	2.32282E-05	9.40463E-05	0.000129498	0.00010284	0.000107052	1.36953E-05	9.40463E-05	0.00012476
8128	0.000108804	0.000113606	2.52794E-05	0.000102732	0.000128102	0.000112352	0.000116957	1.48897E-05	0.000102732	0.000123206
8129	0.000122368	0.000127785	2.81275E-05	0.000114532	0.000126742	0.000126104	0.000131269	1.67912E-05	0.000114532	0.000121691
8130	0.000136443	0.000142498	3.11178E-05	0.000123614	0.000125639	0.000139255	0.000144908	1.95957E-05	0.000123614	0.000120463
8131	0.000145594	0.000152051	3.32651E-05	0.000126186	9.52708E-05	0.00014657	0.000152436	2.24113E-05	0.000126186	9.21487E-05
8132	0.000144938	0.000151356	3.32823E-05	0.00012284	6.65629E-05	0.00014488	0.000150632	2.31359E-05	0.00012284	6.62275E-05
8133	0.000140432	0.000146661	3.20824E-05	0.000117379	5.10439E-05	0.000139832	0.000145375	2.24923E-05	0.000117379	5.16989E-05
8134	0.000133507	0.000139469	2.97987E-05	0.000110036	3.69494E-05	0.000132539	0.000137834	2.04707E-05	0.000110036	3.92986E-05
8135	0.000118123	0.000123392	2.64613E-05	0.000100057	3.6204E-05	0.000118169	0.000122931	1.73704E-05	0.000100057	3.84698E-05
8136	0.000106307	0.000111052	2.37668E-05	9.39591E-05	3.58291E-05	0.000107725	0.00011213	1.4498E-05	9.39591E-05	3.80533E-05
8137	9.1662E-05	9.5751E-05	2.0531E-05	8.51873E-05	3.58421E-05	9.43207E-05	9.8242E-05	1.13201E-05	8.51873E-05	3.8071E-05
8138	8.75996E-05	9.15103E-05	1.95699E-05	8.34133E-05	3.60944E-05	9.08544E-05	9.46637E-05	1.0226E-05	8.34133E-05	3.83534E-05
8139	8.48996E-05	8.86871E-05	1.90135E-05	8.20183E-05	3.67148E-05	8.84478E-05	9.21724E-05	9.61143E-06	8.20183E-05	3.90465E-05
8140	8.63239E-05	9.01701E-05	1.94169E-05	8.42577E-05	3.78239E-05	9.02084E-05	9.40154E-05	9.6286E-06	8.42577E-05	4.02827E-05
8141	9.2593E-05	9.67134E-05	2.09165E-05	9.02355E-05	3.92869E-05	9.66884E-05	0.00010076	1.05016E-05	9.02355E-05	4.19105E-05
8142	0.000103058	0.000107653	2.31191E-05	9.81585E-05	3.96464E-05	0.000106883	0.000111353	1.22737E-05	9.81585E-05	4.17631E-05
8143	0.000108269	0.000113073	2.47111E-05	0.000102596	0.000130434	0.000112022	0.000116658	1.38944E-05	0.000102596	0.000126354
8144	0.000107673	0.000112421	2.50699E-05	0.000103086	0.00013026	0.000111664	0.000116259	1.44092E-05	0.000103086	0.000125611
8145	0.000107454	0.000112186	2.51404E-05	0.000102839	0.00013079	0.000111385	0.000115963	1.44744E-05	0.000102839	0.000126199
8146	0.000105938	0.000110598	2.48722E-05	0.000100796	0.000131025	0.000109578	0.00011407	1.44815E-05	0.000100796	0.000126458
8147	0.000104498	0.000109093	2.45668E-05	9.86887E-05	0.000131303	0.000107819	0.000112228	1.44957E-05	9.86887E-05	0.000126766
8148	0.000102944	0.000107473	2.41587E-05	9.73173E-05	0.000116556	0.000106263	0.000110611	1.42257E-05	9.73173E-05	0.000113095
8149	0.000102008	0.000106499	2.38709E-05	9.59878E-05	0.000116446	0.000105163	0.000109462	1.41622E-05	9.59878E-05	0.000112974
8150	0.000100788	0.00010523	2.3528E-05	9.51788E-05	0.000115856	0.000104043	0.000108304	1.38663E-05	9.51788E-05	0.000112317
8151	0.000102052	0.00010655	2.3799E-05	9.66667E-05	0.000129597	0.000105459	0.000109782	1.39482E-05	9.66667E-05	0.00012487
8152	0.000110871	0.000115763	2.57777E-05	0.000105039	0.000128166	0.000114605	0.000119306	1.50946E-05	0.000105039	0.000123277
8153	0.000124233	0.000129731	2.85887E-05	0.000116684	0.000126829	0.000128158	0.000133411	1.69661E-05	0.000116684	0.000121788
8154	0.000138176	0.000144306	3.15414E-05	0.000125583	0.000125735	0.000141154	0.000146889	1.97624E-05	0.000125583	0.00012057
8155	0.000147223	0.000153751	3.36738E-05	0.000128102	9.54106E-05	0.000148374	0.000154318	2.25591E-05	0.000128102	9.23044E-05
8156	0.000146309	0.000152786	3.364E-05	0.000124535	6.6669E-05	0.000146424	0.000152243	2.32485E-05	0.000124535	6.63456E-05
8157	0.000143213	0.000149579	3.24573E-05	0.000119007	5.10945E-05	0.000142413	0.000148071	2.26478E-05	0.000119007	5.1755E-05
8158	0.000134669	0.00014068	3.00968E-05	0.000111443	3.69576E-05	0.000133838	0.000139189	2.05702E-05	0.000111443	3.93073E-05
8159	0.000119136	0.00012445	2.67094E-05	0.000101211	3.61964E-05	0.000119281	0.000124091	1.74677E-05	0.000101211	3.84611E-05
8160	0.000106916	0.000111688	2.39089E-05	9.46101E-05	3.57405E-05	0.00010838	0.000112813	1.45624E-05	9.46101E-05	3.79543E-05
8161	9.1662E-05	9.5751E-05	2.0531E-05	8.51873E-05	3.58421E-05	9.43207E-05	9.8242E-05	1.13201E-05	8.51873E-05	3.8071E-05
8162	8.75996E-05	9.15103E-05	1.95699E-05	8.34133E-05	3.60944E-05	9.08544E-05	9.46637E-05	1.0226E-05	8.34133E-05	3.83534E-05
8163	8.48996E-05	8.86871E-05	1.90135E-05	8.20183E-05	3.67148E-05	8.84478E-05	9.21724E-05	9.61143E-06	8.20183E-05	3.90465E-05
8164	8.63239E-05	9.01701E-05	1.94169E-05	8.42577E-05	3.78239E-05	9.02084E-05	9.40154E-05	9.6286E-06	8.42577E-05	4.02827E-05
8165	9.2593E-05	9.67134E-05	2.09165E-05	9.02355E-05	3.92869E-05	9.66884E-05	0.00010076	1.05016E-05	9.02355E-05	4.19105E-05
8166	0.000103058	0.000107653	2.31191E-05	9.81585E-05	3.96464E-05	0.000106883	0.000111353	1.22737E-05	9.81585E-05	4.17631E-05
8167	0.000108269	0.000113073	2.47111E-05	0.000102596	0.000130434	0.000112022	0.000116658	1.38944E-05	0.000102596	0.000126354
8168	0.000107673	0.000112421	2.50699E-05	0.000103086	0.00013026	0.000111664	0.000116259	1.44092E-05	0.000103086	0.000125611
8169	0.000107454	0.000112186	2.51404E-05	0.000102839	0.00013079	0.000111385	0.000115963	1.44744E-05	0.000102839	0.000126199
8170	0.000105938	0.000110598	2.48722E-05	0.000100796	0.000131025	0.000109578	0.00011407	1.44815E-05	0.000100796	0.000126458
8171	0.000104498	0.000109093	2.45668E-05	9.86887E-05	0.000131303	0.000107819	0.000112228	1.44957E-05	9.86887E-05	0.000126766
8172	0.000102944	0.000107473	2.41587E-05	9.73173E-05	0.000116556	0.000106263	0.000110611	1.42257E-05	9.73173E-05	0.000113095
8173	0.000102008	0.000106499	2.38709E-05	9.59878E-05	0.000116446	0.000105163	0.000109462	1.41622E-05	9.59878E-05	0.000112974
8174	0.000100788	0.00010523	2.3528E-05	9.51788E-05	0.000115856	0.000104043	0.000108304	1.38663E-05	9.51788E-05	0.000112317
8175	0.000102052	0.00010655	2.3799E-05	9.66667E-05	0.000129597	0.000105459	0.000109782	1.39482E-05	9.66667E-05	0.00012487
8176	0.000110871	0.000115763	2.57777E-05	0.000105039	0.000128166	0.000114605	0.000119306	1.50946E-05	0.000105039	0.000123277
8177	0.000124233	0.000129731	2.85887E-05	0.000116684	0.000126829	0.000128158	0.000133411	1.69661E-05	0.000116684	0.000121788
8178	0.000138176	0.000144306	3.15414E-05	0.000125583	0.000125735	0.000141154	0.000146889	1.97624E-05	0.000125583	0.00012057
8179	0.000147223	0.000153751	3.36738E-05	0.000128102	9.54106E-05	0.000148374	0.000154318	2.25591E-05	0.000128102	9.23044E-05
8180	0.000146309	0.000152786	3.364E-05	0.000124535	6.6669E-05	0.000146424	0.000152243	2.32485E-05	0.000124535	6.63456E-05
8181	0.000143213	0.000149579	3.24573E-05	0.000119007	5.10945E-05	0.000142413	0.000148071	2.26478E-05	0.000119007	5.1755E-05
8182	0.000134669	0.00014068	3.00968E-05	0.000111443	3.69576E-05	0.000133838	0.000139189	2.05702E-05	0.000111443	3.93073E-05
8183	0.000119136	0.00012445	2.67094E-05	0.000101211	3.61964E-05	0.000119281	0.000124091	1.74677E-05	0.000101211	3.84611E-05
8184	0.000106916	0.000111688	2.39089E-05	9.46101E-05	3.57405E-05	0.00010838	0.000112813	1.45624E-05	9.46101E-05	3.79543E-05
8185	9.1662E-05	9.5751E-05	2.0531E-05	8.51873E-05	3.58421E-05	9.43207E-05	9.8242E-05	1.13201E-05	8.51873E-05	3.8071E-05
8186	8.75996E-05	9.15103E-05	1.95699E-05	8.34133E-05	3.60944E-05	9.08544E-05	9.46637E-05	1.0226E-05	8.34133E-05	3.83534E-05
8187	8.48996E-05	8.86871E-05	1.90135E-05	8.20183E-05	3.67148E-05	8.84478E-05	9.21724E-05	9.61143E-06	8.20183E-05	3.90465E-05
8188	8.63239E-05	9.01701E-05	1.94169E-05	8.42577E-05	3.78239E-05	9.02084E-05	9.40154E-05	9.6286E-06	8.42577E-05	4.02827E-05
8189	9.2593E-05	9.67134E-05	2.09165E-05	9.02355E-05	3.92869E-05	9.66884E-05	0.00010076	1.05016E-05	9.02355E-05	4.19105E-05
8190	0.000103058	0.000107653	2.31191E-05	9.81585E-05	3.96464E-05	0.000106883	0.000111353	1.22737E-05	9.81585E-05	4.17631E-05
8191	0.000108269	0.000113073	2.47111E-05	0.000102596	0.000130434	0.000112022	0.000116658	1.38944E-05	0.000102596	0.000126354
8192	0.000107673	0.000112421	2.50699E-05	0.000103086	0.00013026	0.000111664	0.000116259	1.44092E-05	0.000103086	0.000125611
8193	0.000107454	0.000112186	2.51404E-05	0.000102839	0.00013079	0.000111385	0.000115963	1.44744E-05	0.000102839	0.000126199
8194	0.000105938	0.000110598	2.48722E-05	0.000100796	0.000131025	0.000109578	0.00011407	1.44815E-05	0.000100796	0.000126458
8195	0.000104498	0.000109093	2.45668E-05	9.86887E-05	0.000131303	0.000107819	0.000112228	1.44957E-05	9.86887E-05	0.000126766
8196	0.000102944	0.000107473	2.41587E-05	9.73173E-05	0.000116556	0.000106263	0.000110611	1.42257E-05	9.73173E-05	0.000113095
8197	0.000102008	0.000106499	2.38709E-05	9.59878E-05	0.000116446	0.000105163	0.000109462	1.41622E-05	9.59878E-05	0.000112974
8198	0.000100788	0.00010523	2.3528E-05	9.51788E-05	0.000115856	0.000104043	0.000108304	1.38663E-05	9.51788E-05	0.000112317
8199	0.000102052	0.00010655	2.3799E-05	9.66667E-05	0.000129597	0.000105459	0.000109782	1.39482E-05	9.66667E-05	0.00012487

8200	0.000110871	0.000115763	2.57777E-05	0.000105039	0.000128166	0.000114605	0.000119306	1.50946E-05	0.000105039	0.000123277
8201	0.000124233	0.000129731	2.85887E-05	0.000116684	0.000126829	0.000128158	0.000133411	1.69661E-05	0.000116684	0.000121788
8202	0.000138176	0.000144306	3.15414E-05	0.000125583	0.000125735	0.000141154	0.000146889	1.97624E-05	0.000125583	0.00012057
8203	0.000147223	0.000153751	3.36738E-05	0.000128102	9.54106E-05	0.000148374	0.000154318	2.25591E-05	0.000128102	9.23044E-05
8204	0.000146309	0.000152786	3.364E-05	0.000124535	6.6669E-05	0.000146424	0.000152243	2.32485E-05	0.000124535	6.63456E-05
8205	0.000143213	0.000149579	3.24573E-05	0.000119007	5.10945E-05	0.000142413	0.000148071	2.26478E-05	0.000119007	5.1755E-05
8206	0.000134669	0.00014068	3.00968E-05	0.000111443	3.69576E-05	0.000133838	0.000139189	2.05702E-05	0.000111443	3.93073E-05
8207	0.000119136	0.00012445	2.67094E-05	0.000101211	3.61964E-05	0.000119281	0.000124091	1.74677E-05	0.000101211	3.84611E-05
8208	0.000106916	0.000111688	2.39089E-05	9.46101E-05	3.57405E-05	0.00010838	0.000112813	1.45624E-05	9.46101E-05	3.79543E-05
8209	9.1662E-05	9.5751E-05	2.0531E-05	8.51873E-05	3.58421E-05	9.43207E-05	9.8242E-05	1.13201E-05	8.51873E-05	3.8071E-05
8210	8.75996E-05	9.15103E-05	1.95699E-05	8.34133E-05	3.60944E-05	9.08544E-05	9.46637E-05	1.0226E-05	8.34133E-05	3.83534E-05
8211	8.48996E-05	8.86871E-05	1.90135E-05	8.20183E-05	3.67148E-05	8.84478E-05	9.21724E-05	9.61143E-06	8.20183E-05	3.90465E-05
8212	8.63239E-05	9.01701E-05	1.94169E-05	8.42577E-05	3.78239E-05	9.02084E-05	9.40154E-05	9.6286E-06	8.42577E-05	4.02827E-05
8213	9.2593E-05	9.67134E-05	2.09165E-05	9.02355E-05	3.92869E-05	9.66884E-05	0.00010076	1.05016E-05	9.02355E-05	4.19105E-05
8214	0.000103058	0.000107653	2.31191E-05	9.81585E-05	3.96464E-05	0.000106883	0.000111353	1.22737E-05	9.81585E-05	4.17631E-05
8215	0.000108269	0.000113073	2.47111E-05	0.000102596	0.000130434	0.000112022	0.000116658	1.38944E-05	0.000102596	0.000126354
8216	0.000107673	0.000112421	2.50699E-05	0.000103086	0.00013026	0.000111664	0.000116259	1.44092E-05	0.000103086	0.000125611
8217	0.000107454	0.000112186	2.51404E-05	0.000102839	0.00013079	0.000111385	0.000115963	1.44744E-05	0.000102839	0.000126199
8218	0.000105938	0.000110598	2.48722E-05	0.000100796	0.000131025	0.000109578	0.00011407	1.44815E-05	0.000100796	0.000126458
8219	0.000104498	0.000109093	2.45668E-05	9.86887E-05	0.000131303	0.000107819	0.000112228	1.44957E-05	9.86887E-05	0.000126766
8220	0.000102944	0.000107473	2.41587E-05	9.73173E-05	0.000116556	0.000106263	0.000110611	1.42257E-05	9.73173E-05	0.000113095
8221	0.000102008	0.000106499	2.38709E-05	9.59878E-05	0.000116446	0.000105163	0.000109462	1.41622E-05	9.59878E-05	0.000112974
8222	0.000100788	0.00010523	2.3528E-05	9.51788E-05	0.000115856	0.000104043	0.000108304	1.38663E-05	9.51788E-05	0.000112317
8223	0.000102052	0.00010655	2.3799E-05	9.66667E-05	0.000129597	0.000105459	0.000109782	1.39482E-05	9.66667E-05	0.00012487
8224	0.000110871	0.000115763	2.57777E-05	0.000105039	0.000128166	0.000114605	0.000119306	1.50946E-05	0.000105039	0.000123277
8225	0.000124233	0.000129731	2.85887E-05	0.000116684	0.000126829	0.000128158	0.000133411	1.69661E-05	0.000116684	0.000121788
8226	0.000138176	0.000144306	3.15414E-05	0.000125583	0.000125735	0.000141154	0.000146889	1.97624E-05	0.000125583	0.00012057
8227	0.000147223	0.000153751	3.36738E-05	0.000128102	9.54106E-05	0.000148374	0.000154318	2.25591E-05	0.000128102	9.23044E-05
8228	0.000146309	0.000152786	3.364E-05	0.000124535	6.6669E-05	0.000146424	0.000152243	2.32485E-05	0.000124535	6.63456E-05
8229	0.000143213	0.000149579	3.24573E-05	0.000119007	5.10945E-05	0.000142413	0.000148071	2.26478E-05	0.000119007	5.1755E-05
8230	0.000134669	0.00014068	3.00968E-05	0.000111443	3.69576E-05	0.000133838	0.000139189	2.05702E-05	0.000111443	3.93073E-05
8231	0.000119136	0.00012445	2.67094E-05	0.000101211	3.61964E-05	0.000119281	0.000124091	1.74677E-05	0.000101211	3.84611E-05
8232	0.000106916	0.000111688	2.39089E-05	9.46101E-05	3.57405E-05	0.00010838	0.000112813	1.45624E-05	9.46101E-05	3.79543E-05
8233	9.1662E-05	9.5751E-05	2.0531E-05	8.51873E-05	3.58421E-05	9.43207E-05	9.8242E-05	1.13201E-05	8.51873E-05	3.8071E-05
8234	8.75996E-05	9.15103E-05	1.95699E-05	8.34133E-05	3.60944E-05	9.08544E-05	9.46637E-05	1.0226E-05	8.34133E-05	3.83534E-05
8235	8.48996E-05	8.86871E-05	1.90135E-05	8.20183E-05	3.67148E-05	8.84478E-05	9.21724E-05	9.61143E-06	8.20183E-05	3.90465E-05
8236	8.63239E-05	9.01701E-05	1.94169E-05	8.42577E-05	3.78239E-05	9.02084E-05	9.40154E-05	9.6286E-06	8.42577E-05	4.02827E-05
8237	9.2593E-05	9.67134E-05	2.09165E-05	9.02355E-05	3.92869E-05	9.66884E-05	0.00010076	1.05016E-05	9.02355E-05	4.19105E-05
8238	0.000103058	0.000107653	2.31191E-05	9.81585E-05	3.96464E-05	0.000106883	0.000111353	1.22737E-05	9.81585E-05	4.17631E-05
8239	0.000108269	0.000113073	2.47111E-05	0.000102596	0.000130434	0.000112022	0.000116658	1.38944E-05	0.000102596	0.000126354
8240	0.000107673	0.000112421	2.50699E-05	0.000103086	0.00013026	0.000111664	0.000116259	1.44092E-05	0.000103086	0.000125611
8241	0.000107454	0.000112186	2.51404E-05	0.000102839	0.00013079	0.000111385	0.000115963	1.44744E-05	0.000102839	0.000126199
8242	0.000105938	0.000110598	2.48722E-05	0.000100796	0.000131025	0.000109578	0.00011407	1.44815E-05	0.000100796	0.000126458
8243	0.000104498	0.000109093	2.45668E-05	9.86887E-05	0.000131303	0.000107819	0.000112228	1.44957E-05	9.86887E-05	0.000126766
8244	0.000102944	0.000107473	2.41587E-05	9.73173E-05	0.000116556	0.000106263	0.000110611	1.42257E-05	9.73173E-05	0.000113095
8245	0.000102008	0.000106499	2.38709E-05	9.59878E-05	0.000116446	0.000105163	0.000109462	1.41622E-05	9.59878E-05	0.000112974
8246	0.000100788	0.00010523	2.3528E-05	9.51788E-05	0.000115856	0.000104043	0.000108304	1.38663E-05	9.51788E-05	0.000112317
8247	0.000102052	0.00010655	2.3799E-05	9.66667E-05	0.000129597	0.000105459	0.000109782	1.39482E-05	9.66667E-05	0.00012487
8248	0.000110871	0.000115763	2.57777E-05	0.000105039	0.000128166	0.000114605	0.000119306	1.50946E-05	0.000105039	0.000123277
8249	0.000124233	0.000129731	2.85887E-05	0.000116684	0.000126829	0.000128158	0.000133411	1.69661E-05	0.000116684	0.000121788
8250	0.000138176	0.000144306	3.15414E-05	0.000125583	0.000125735	0.000141154	0.000146889	1.97624E-05	0.000125583	0.00012057
8251	0.000147223	0.000153751	3.36738E-05	0.000128102	9.54106E-05	0.000148374	0.000154318	2.25591E-05	0.000128102	9.23044E-05
8252	0.000146309	0.000152786	3.364E-05	0.000124535	6.6669E-05	0.000146424	0.000152243	2.32485E-05	0.000124535	6.63456E-05
8253	0.000143213	0.000149579	3.24573E-05	0.000119007	5.10945E-05	0.000142413	0.000148071	2.26478E-05	0.000119007	5.1755E-05
8254	0.000134669	0.00014068	3.00968E-05	0.000111443	3.69576E-05	0.000133838	0.000139189	2.05702E-05	0.000111443	3.93073E-05
8255	0.000119136	0.00012445	2.67094E-05	0.000101211	3.61964E-05	0.000119281	0.000124091	1.74677E-05	0.000101211	3.84611E-05
8256	0.000106916	0.000111688	2.39089E-05	9.46101E-05	3.57405E-05	0.00010838	0.000112813	1.45624E-05	9.46101E-05	3.79543E-05
8257	9.14737E-05	9.55545E-05	2.04836E-05	8.49651E-05	3.57948E-05	9.41118E-05	9.80241E-05	1.13031E-05	8.49651E-05	3.80184E-05
8258	8.64063E-05	9.02657E-05	1.92687E-05	8.19992E-05	3.60812E-05	8.95292E-05	9.32809E-05	1.01193E-05	8.19992E-05	3.83389E-05
8259	8.3726E-05	8.7463E-05	1.87177E-05	8.063E-05	3.67243E-05	8.71453E-05	9.08133E-05	9.50618E-06	8.063E-05	3.90572E-05
8260	8.51842E-05	8.8981E-05	1.91354E-05	8.2945E-05	3.77996E-05	8.89541E-05	9.27068E-05	9.52138E-06	8.2945E-05	4.02558E-05
8261	9.14597E-05	9.55307E-05	2.06417E-05	8.89615E-05	3.92382E-05	9.54504E-05	9.9469E-05	1.03906E-05	8.89615E-05	4.18564E-05
8262	0.000101947	0.000106494	2.28481E-05	9.68991E-05	3.9555E-05	0.000105667	0.000110084	1.21664E-05	9.68991E-05	4.16614E-05
8263	0.000108702	0.000113542	2.44964E-05	0.000101461	0.000130332	0.000112002	0.000116639	1.38374E-05	0.000101461	0.00012624
8264	0.000106211	0.000110896	2.47243E-05	0.000101496	0.000130131	0.000110084	0.000114611	1.42585E-05	0.000101496	0.000125468
8265	0.000105575	0.000110224	2.46983E-05	0.000100809	0.000130632	0.000109356	0.000113848	1.42786E-05	0.000100809	0.000126022
8266	0.000103522	0.000108075	2.43069E-05	9.82055E-05	0.000130881	0.000106975	0.000111357	1.4227E-05	9.82055E-05	0.000126297
8267	0.000101794	0.00010627	2.39334E-05	9.57847E-05	0.000131205	0.000104905	0.00010919	1.42115E-05	9.57847E-05	0.000126657
8268	0.000100148	0.000104554	2.35004E-05	9.42943E-05	0.000116452	0.000103244	0.000107463	1.39346E-05	9.42943E-05	0.000112979
8269	9.9192E-05	0.00010356	2.32018E-05	9.29057E-05	0.00011632	0.000102112	0.000106281	1.38746E-05	9.29057E-05	0.000112833
8270	9.80981E-05	0.000102421	2.28998E-05	9.23015E-05	0.000115742	0.000101148	0.000105285	1.3582E-05	9.23015E-05	0.00011219
8271	9.96251E-05	0.000104017	2.32282E-05	9.40463E-05	0.000129498	0.00010284	0.000107052	1.36953E-05	9.40463E-05	0.00012476
8272	0.000108804	0.000113606	2.52794E-05	0.000102732	0.000128102	0.000112352	0.000116957	1.48897E-05	0.000102732	0.000123206
8273	0.000122368	0.000127785	2.81275E-05	0.000114532	0.000126742	0.000126104	0.000131269	1.67912E-05	0.000114532	0.000121691
8274	0.000136443	0.000142498	3.11178E-05	0.000123614	0.000125639	0.000139255	0.000144908	1.95957E-05	0.000123614	0.000120463
8275	0.000145594	0.000152051	3.32651E-05	0.000126186	9.52708E-05	0.00014657	0.000152436	2.24113E-05	0.000126186	9.21487E-05

8276	0.000144938	0.000151356	3.32823E-05	0.00012284	6.65629E-05	0.00014488	0.000150632	2.31359E-05	0.00012284	6.62275E-05
8277	0.000140432	0.000146661	3.20824E-05	0.000117379	5.10439E-05	0.000139832	0.000145375	2.24923E-05	0.000117379	5.16989E-05
8278	0.000133507	0.000139469	2.97987E-05	0.000110036	3.69494E-05	0.000132539	0.000137834	2.04707E-05	0.000110036	3.92986E-05
8279	0.000118123	0.000123392	2.64613E-05	0.000100057	3.6204E-05	0.000118169	0.000122931	1.73704E-05	0.000100057	3.84698E-05
8280	0.000106307	0.000111052	2.37668E-05	9.39591E-05	3.58291E-05	0.000107725	0.00011213	1.4498E-05	9.39591E-05	3.80533E-05
8281	9.14737E-05	9.55545E-05	2.04836E-05	8.49651E-05	3.57948E-05	9.41118E-05	9.80241E-05	1.13031E-05	8.49651E-05	3.80184E-05
8282	8.64063E-05	9.02657E-05	1.92687E-05	8.19992E-05	3.60812E-05	8.95292E-05	9.32809E-05	1.01193E-05	8.19992E-05	3.83389E-05
8283	8.3726E-05	8.7463E-05	1.87177E-05	8.063E-05	3.67243E-05	8.71453E-05	9.08133E-05	9.50618E-06	8.063E-05	3.90572E-05
8284	8.51842E-05	8.8981E-05	1.91354E-05	8.2945E-05	3.77996E-05	8.89541E-05	9.27068E-05	9.52138E-06	8.2945E-05	4.02558E-05
8285	9.14597E-05	9.55307E-05	2.06417E-05	8.89615E-05	3.92382E-05	9.54504E-05	9.9469E-05	1.03906E-05	8.89615E-05	4.18564E-05
8286	0.000101947	0.000106494	2.28481E-05	9.68991E-05	3.9555E-05	0.000105667	0.000110084	1.21664E-05	9.68991E-05	4.16614E-05
8287	0.000108702	0.000113542	2.44964E-05	0.000101461	0.000130332	0.000112002	0.000116639	1.38374E-05	0.000101461	0.00012624
8288	0.000106211	0.000110896	2.47243E-05	0.000101496	0.000130131	0.000110084	0.000114611	1.42585E-05	0.000101496	0.000125468
8289	0.000105575	0.000110224	2.46983E-05	0.000100809	0.000130632	0.000109356	0.000113848	1.42786E-05	0.000100809	0.000126022
8290	0.000103522	0.000108075	2.43069E-05	9.82055E-05	0.000130881	0.000106975	0.000111357	1.4227E-05	9.82055E-05	0.000126297
8291	0.000101794	0.00010627	2.39334E-05	9.57847E-05	0.000131205	0.000104905	0.00010919	1.42115E-05	9.57847E-05	0.000126657
8292	0.000100148	0.000104554	2.35004E-05	9.42943E-05	0.000116452	0.000103244	0.000107463	1.39346E-05	9.42943E-05	0.000112979
8293	9.9192E-05	0.00010356	2.32018E-05	9.29057E-05	0.00011632	0.000102112	0.000106281	1.38746E-05	9.29057E-05	0.000112833
8294	9.80981E-05	0.000102421	2.28998E-05	9.23015E-05	0.000115742	0.000101148	0.000105285	1.3582E-05	9.23015E-05	0.00011219
8295	9.96251E-05	0.000104017	2.32282E-05	9.40463E-05	0.000129498	0.00010284	0.000107052	1.36953E-05	9.40463E-05	0.00012476
8296	0.000108804	0.000113606	2.52794E-05	0.000102732	0.000128102	0.000112352	0.000116957	1.48897E-05	0.000102732	0.000123206
8297	0.000122368	0.000127785	2.81275E-05	0.000114532	0.000126742	0.000126104	0.000131269	1.67912E-05	0.000114532	0.000121691
8298	0.000136443	0.000142498	3.11178E-05	0.000123614	0.000125639	0.000139255	0.000144908	1.95957E-05	0.000123614	0.000120463
8299	0.000145594	0.000152051	3.32651E-05	0.000126186	9.52708E-05	0.00014657	0.000152436	2.24113E-05	0.000126186	9.21487E-05
8300	0.000144938	0.000151356	3.32823E-05	0.00012284	6.65629E-05	0.00014488	0.000150632	2.31359E-05	0.00012284	6.62275E-05
8301	0.000140432	0.000146661	3.20824E-05	0.000117379	5.10439E-05	0.000139832	0.000145375	2.24923E-05	0.000117379	5.16989E-05
8302	0.000133507	0.000139469	2.97987E-05	0.000110036	3.69494E-05	0.000132539	0.000137834	2.04707E-05	0.000110036	3.92986E-05
8303	0.000118123	0.000123392	2.64613E-05	0.000100057	3.6204E-05	0.000118169	0.000122931	1.73704E-05	0.000100057	3.84698E-05
8304	0.000106307	0.000111052	2.37668E-05	9.39591E-05	3.58291E-05	0.000107725	0.00011213	1.4498E-05	9.39591E-05	3.80533E-05
8305	9.1662E-05	9.5751E-05	2.0531E-05	8.51873E-05	3.58421E-05	9.43207E-05	9.8242E-05	1.13201E-05	8.51873E-05	3.8071E-05
8306	8.75996E-05	9.15103E-05	1.95699E-05	8.34133E-05	3.60944E-05	9.08544E-05	9.46637E-05	1.0226E-05	8.34133E-05	3.83534E-05
8307	8.48996E-05	8.86871E-05	1.90135E-05	8.20183E-05	3.67148E-05	8.84478E-05	9.21724E-05	9.61143E-06	8.20183E-05	3.90465E-05
8308	8.63239E-05	9.01701E-05	1.94169E-05	8.42577E-05	3.78239E-05	9.02084E-05	9.40154E-05	9.6286E-06	8.42577E-05	4.02827E-05
8309	9.2593E-05	9.67134E-05	2.09165E-05	9.02355E-05	3.92869E-05	9.66884E-05	0.00010076	1.05016E-05	9.02355E-05	4.19105E-05
8310	0.000103058	0.000107653	2.31191E-05	9.81585E-05	3.96464E-05	0.000106883	0.000111353	1.22737E-05	9.81585E-05	4.17631E-05
8311	0.000108269	0.000113073	2.47111E-05	0.000102596	0.000130434	0.000112022	0.000116658	1.38944E-05	0.000102596	0.000126354
8312	0.000107673	0.000112421	2.50699E-05	0.000103086	0.00013026	0.000111664	0.000116259	1.44092E-05	0.000103086	0.000125611
8313	0.000107454	0.000112186	2.51404E-05	0.000102839	0.00013079	0.000111385	0.000115963	1.44744E-05	0.000102839	0.000126199
8314	0.000105938	0.000110598	2.48722E-05	0.000100796	0.000131025	0.000109578	0.00011407	1.44815E-05	0.000100796	0.000126458
8315	0.000104498	0.000109093	2.45668E-05	9.86887E-05	0.000131303	0.000107819	0.000112228	1.44957E-05	9.86887E-05	0.000126766
8316	0.000102944	0.000107473	2.41587E-05	9.73173E-05	0.000116556	0.000106263	0.000110611	1.42257E-05	9.73173E-05	0.000113095
8317	0.000102008	0.000106499	2.38709E-05	9.59878E-05	0.000116446	0.000105163	0.000109462	1.41622E-05	9.59878E-05	0.000112974
8318	0.000100788	0.00010523	2.3528E-05	9.51788E-05	0.000115856	0.000104043	0.000108304	1.38663E-05	9.51788E-05	0.000112317
8319	0.000102052	0.00010655	2.3799E-05	9.66667E-05	0.000129597	0.000105459	0.000109782	1.39482E-05	9.66667E-05	0.00012487
8320	0.000110871	0.000115763	2.57777E-05	0.000105039	0.000128166	0.000114605	0.000119306	1.50946E-05	0.000105039	0.000123277
8321	0.000124233	0.000129731	2.85887E-05	0.000116684	0.000126829	0.000128158	0.000133411	1.69661E-05	0.000116684	0.000121788
8322	0.000138176	0.000144306	3.15414E-05	0.000125583	0.000125735	0.000141154	0.000146889	1.97624E-05	0.000125583	0.00012057
8323	0.000147223	0.000153751	3.36738E-05	0.000128102	9.54106E-05	0.000148374	0.000154318	2.25591E-05	0.000128102	9.23044E-05
8324	0.000146309	0.000152786	3.364E-05	0.000124535	6.6669E-05	0.000146424	0.000152243	2.32485E-05	0.000124535	6.63456E-05
8325	0.000143213	0.000149579	3.24573E-05	0.000119007	5.10945E-05	0.000142413	0.000148071	2.26478E-05	0.000119007	5.1755E-05
8326	0.000134669	0.00014068	3.00968E-05	0.000111443	3.69576E-05	0.000133838	0.000139189	2.05702E-05	0.000111443	3.93073E-05
8327	0.000119136	0.00012445	2.67094E-05	0.000101211	3.61964E-05	0.000119281	0.000124091	1.74677E-05	0.000101211	3.84611E-05
8328	0.000106916	0.000111688	2.39089E-05	9.46101E-05	3.57405E-05	0.00010838	0.000112813	1.45624E-05	9.46101E-05	3.79543E-05
8329	9.1662E-05	9.5751E-05	2.0531E-05	8.51873E-05	3.58421E-05	9.43207E-05	9.8242E-05	1.13201E-05	8.51873E-05	3.8071E-05
8330	8.75996E-05	9.15103E-05	1.95699E-05	8.34133E-05	3.60944E-05	9.08544E-05	9.46637E-05	1.0226E-05	8.34133E-05	3.83534E-05
8331	8.48996E-05	8.86871E-05	1.90135E-05	8.20183E-05	3.67148E-05	8.84478E-05	9.21724E-05	9.61143E-06	8.20183E-05	3.90465E-05
8332	8.63239E-05	9.01701E-05	1.94169E-05	8.42577E-05	3.78239E-05	9.02084E-05	9.40154E-05	9.6286E-06	8.42577E-05	4.02827E-05
8333	9.2593E-05	9.67134E-05	2.09165E-05	9.02355E-05	3.92869E-05	9.66884E-05	0.00010076	1.05016E-05	9.02355E-05	4.19105E-05
8334	0.000103058	0.000107653	2.31191E-05	9.81585E-05	3.96464E-05	0.000106883	0.000111353	1.22737E-05	9.81585E-05	4.17631E-05
8335	0.000108269	0.000113073	2.47111E-05	0.000102596	0.000130434	0.000112022	0.000116658	1.38944E-05	0.000102596	0.000126354
8336	0.000107673	0.000112421	2.50699E-05	0.000103086	0.00013026	0.000111664	0.000116259	1.44092E-05	0.000103086	0.000125611
8337	0.000107454	0.000112186	2.51404E-05	0.000102839	0.00013079	0.000111385	0.000115963	1.44744E-05	0.000102839	0.000126199
8338	0.000105938	0.000110598	2.48722E-05	0.000100796	0.000131025	0.000109578	0.00011407	1.44815E-05	0.000100796	0.000126458
8339	0.000104498	0.000109093	2.45668E-05	9.86887E-05	0.000131303	0.000107819	0.000112228	1.44957E-05	9.86887E-05	0.000126766
8340	0.000102944	0.000107473	2.41587E-05	9.73173E-05	0.000116556	0.000106263	0.000110611	1.42257E-05	9.73173E-05	0.000113095
8341	0.000102008	0.000106499	2.38709E-05	9.59878E-05	0.000116446	0.000105163	0.000109462	1.41622E-05	9.59878E-05	0.000112974
8342	0.000100788	0.00010523	2.3528E-05	9.51788E-05	0.000115856	0.000104043	0.000108304	1.38663E-05	9.51788E-05	0.000112317
8343	0.000102052	0.00010655	2.3799E-05	9.66667E-05	0.000129597	0.000105459	0.000109782	1.39482E-05	9.66667E-05	0.00012487
8344	0.000110871	0.000115763	2.57777E-05	0.000105039	0.000128166	0.000114605	0.000119306	1.50946E-05	0.000105039	0.000123277
8345	0.000124233	0.000129731	2.85887E-05	0.000116684	0.000126829	0.000128158	0.000133411	1.69661E-05	0.000116684	0.000121788
8346	0.000138176	0.000144306	3.15414E-05	0.000125583	0.000125735	0.000141154	0.000146889	1.97624E-05	0.000125583	0.00012057
8347	0.000147223	0.000153751	3.36738E-05	0.000128102	9.54106E-05	0.000148374	0.000154318	2.25591E-05	0.000128102	9.23044E-05
8348	0.000146309	0.000152786	3.364E-05	0.000124535	6.6669E-05	0.000146424	0.000152243	2.32485E-05	0.000124535	6.63456E-05
8349	0.000143213	0.000149579	3.24573E-05	0.000119007	5.10945E-05	0.000142413	0.000148071	2.26478E-05	0.000119007	5.1755E-05
8350	0.000134669	0.00014068	3.00968E-05	0.000111443	3.69576E-05	0.000133838	0.000139189	2.05702E-05	0.000111443	3.93073E-05
8351	0.000119136	0.00012445	2.67094E-05	0.000101211	3.61964E-05	0.000119281	0.000124091	1.74677E-05	0.000101211	3.84611E-05

8352	0.000106916	0.000111688	2.39089E-05	9.46101E-05	3.57405E-05	0.00010838	0.000112813	1.45624E-05	9.46101E-05	3.79543E-05
8353	9.1662E-05	9.5751E-05	2.0531E-05	8.51873E-05	3.58421E-05	9.43207E-05	9.8242E-05	1.13201E-05	8.51873E-05	3.8071E-05
8354	8.75996E-05	9.15103E-05	1.95699E-05	8.34133E-05	3.60944E-05	9.08544E-05	9.46637E-05	1.0226E-05	8.34133E-05	3.83534E-05
8355	8.48996E-05	8.86871E-05	1.90135E-05	8.20183E-05	3.67148E-05	8.84478E-05	9.21724E-05	9.61143E-06	8.20183E-05	3.90465E-05
8356	8.63239E-05	9.01701E-05	1.94169E-05	8.42577E-05	3.78239E-05	9.02084E-05	9.40154E-05	9.6286E-06	8.42577E-05	4.02827E-05
8357	9.2593E-05	9.67134E-05	2.09165E-05	9.02355E-05	3.92869E-05	9.66884E-05	0.00010076	1.05016E-05	9.02355E-05	4.19105E-05
8358	0.000103058	0.000107653	2.31191E-05	9.81585E-05	3.96464E-05	0.000106883	0.000111353	1.22737E-05	9.81585E-05	4.17631E-05
8359	0.000108269	0.000113073	2.47111E-05	0.000102596	0.000130434	0.000112022	0.000116658	1.38944E-05	0.000102596	0.000126354
8360	0.000107673	0.000112421	2.50699E-05	0.000103086	0.00013026	0.000111664	0.000116259	1.44092E-05	0.000103086	0.000125611
8361	0.000107454	0.000112186	2.51404E-05	0.000102839	0.00013079	0.000111385	0.000115963	1.44744E-05	0.000102839	0.000126199
8362	0.000105938	0.000110598	2.48722E-05	0.000100796	0.000131025	0.000109578	0.00011407	1.44815E-05	0.000100796	0.000126458
8363	0.000104498	0.000109093	2.45668E-05	9.86887E-05	0.000131303	0.000107819	0.000112228	1.44957E-05	9.86887E-05	0.000126766
8364	0.000102944	0.000107473	2.41587E-05	9.73173E-05	0.000116556	0.000106263	0.000110611	1.42257E-05	9.73173E-05	0.000113095
8365	0.000102008	0.000106499	2.38709E-05	9.59878E-05	0.000116446	0.000105163	0.000109462	1.41622E-05	9.59878E-05	0.000112974
8366	0.000100788	0.00010523	2.3528E-05	9.51788E-05	0.000115856	0.000104043	0.000108304	1.38663E-05	9.51788E-05	0.000112317
8367	0.000102052	0.00010655	2.3799E-05	9.66667E-05	0.000129597	0.000105459	0.000109782	1.39482E-05	9.66667E-05	0.00012487
8368	0.000110871	0.000115763	2.57777E-05	0.000105039	0.000128166	0.000114605	0.000119306	1.50946E-05	0.000105039	0.000123277
8369	0.000124233	0.000129731	2.85887E-05	0.000116684	0.000126829	0.000128158	0.000133411	1.69661E-05	0.000116684	0.000121788
8370	0.000138176	0.000144306	3.15414E-05	0.000125583	0.000125735	0.000141154	0.000146889	1.97624E-05	0.000125583	0.00012057
8371	0.000147223	0.000153751	3.36738E-05	0.000128102	9.54106E-05	0.000148374	0.000154318	2.25591E-05	0.000128102	9.23044E-05
8372	0.000146309	0.000152786	3.364E-05	0.000124535	6.6669E-05	0.000146424	0.000152243	2.32485E-05	0.000124535	6.63456E-05
8373	0.000143213	0.000149579	3.24573E-05	0.000119007	5.10945E-05	0.000142413	0.000148071	2.26478E-05	0.000119007	5.1755E-05
8374	0.000134669	0.00014068	3.00968E-05	0.000111443	3.69576E-05	0.000133838	0.000139189	2.05702E-05	0.000111443	3.93073E-05
8375	0.000119136	0.00012445	2.67094E-05	0.000101211	3.61964E-05	0.000119281	0.000124091	1.74677E-05	0.000101211	3.84611E-05
8376	0.000106916	0.000111688	2.39089E-05	9.46101E-05	3.57405E-05	0.00010838	0.000112813	1.45624E-05	9.46101E-05	3.79543E-05
8377	9.1662E-05	9.5751E-05	2.0531E-05	8.51873E-05	3.58421E-05	9.43207E-05	9.8242E-05	1.13201E-05	8.51873E-05	3.8071E-05
8378	8.75996E-05	9.15103E-05	1.95699E-05	8.34133E-05	3.60944E-05	9.08544E-05	9.46637E-05	1.0226E-05	8.34133E-05	3.83534E-05
8379	8.48996E-05	8.86871E-05	1.90135E-05	8.20183E-05	3.67148E-05	8.84478E-05	9.21724E-05	9.61143E-06	8.20183E-05	3.90465E-05
8380	8.63239E-05	9.01701E-05	1.94169E-05	8.42577E-05	3.78239E-05	9.02084E-05	9.40154E-05	9.6286E-06	8.42577E-05	4.02827E-05
8381	9.2593E-05	9.67134E-05	2.09165E-05	9.02355E-05	3.92869E-05	9.66884E-05	0.00010076	1.05016E-05	9.02355E-05	4.19105E-05
8382	0.000103058	0.000107653	2.31191E-05	9.81585E-05	3.96464E-05	0.000106883	0.000111353	1.22737E-05	9.81585E-05	4.17631E-05
8383	0.000108269	0.000113073	2.47111E-05	0.000102596	0.000130434	0.000112022	0.000116658	1.38944E-05	0.000102596	0.000126354
8384	0.000107673	0.000112421	2.50699E-05	0.000103086	0.00013026	0.000111664	0.000116259	1.44092E-05	0.000103086	0.000125611
8385	0.000107454	0.000112186	2.51404E-05	0.000102839	0.00013079	0.000111385	0.000115963	1.44744E-05	0.000102839	0.000126199
8386	0.000105938	0.000110598	2.48722E-05	0.000100796	0.000131025	0.000109578	0.00011407	1.44815E-05	0.000100796	0.000126458
8387	0.000104498	0.000109093	2.45668E-05	9.86887E-05	0.000131303	0.000107819	0.000112228	1.44957E-05	9.86887E-05	0.000126766
8388	0.000102944	0.000107473	2.41587E-05	9.73173E-05	0.000116556	0.000106263	0.000110611	1.42257E-05	9.73173E-05	0.000113095
8389	0.000102008	0.000106499	2.38709E-05	9.59878E-05	0.000116446	0.000105163	0.000109462	1.41622E-05	9.59878E-05	0.000112974
8390	0.000100788	0.00010523	2.3528E-05	9.51788E-05	0.000115856	0.000104043	0.000108304	1.38663E-05	9.51788E-05	0.000112317
8391	0.000102052	0.00010655	2.3799E-05	9.66667E-05	0.000129597	0.000105459	0.000109782	1.39482E-05	9.66667E-05	0.00012487
8392	0.000110871	0.000115763	2.57777E-05	0.000105039	0.000128166	0.000114605	0.000119306	1.50946E-05	0.000105039	0.000123277
8393	0.000124233	0.000129731	2.85887E-05	0.000116684	0.000126829	0.000128158	0.000133411	1.69661E-05	0.000116684	0.000121788
8394	0.000138176	0.000144306	3.15414E-05	0.000125583	0.000125735	0.000141154	0.000146889	1.97624E-05	0.000125583	0.00012057
8395	0.000147223	0.000153751	3.36738E-05	0.000128102	9.54106E-05	0.000148374	0.000154318	2.25591E-05	0.000128102	9.23044E-05
8396	0.000146309	0.000152786	3.364E-05	0.000124535	6.6669E-05	0.000146424	0.000152243	2.32485E-05	0.000124535	6.63456E-05
8397	0.000143213	0.000149579	3.24573E-05	0.000119007	5.10945E-05	0.000142413	0.000148071	2.26478E-05	0.000119007	5.1755E-05
8398	0.000134669	0.00014068	3.00968E-05	0.000111443	3.69576E-05	0.000133838	0.000139189	2.05702E-05	0.000111443	3.93073E-05
8399	0.000119136	0.00012445	2.67094E-05	0.000101211	3.61964E-05	0.000119281	0.000124091	1.74677E-05	0.000101211	3.84611E-05
8400	0.000106916	0.000111688	2.39089E-05	9.46101E-05	3.57405E-05	0.00010838	0.000112813	1.45624E-05	9.46101E-05	3.79543E-05
8401	9.1662E-05	9.5751E-05	2.0531E-05	8.51873E-05	3.58421E-05	9.43207E-05	9.8242E-05	1.13201E-05	8.51873E-05	3.8071E-05
8402	8.75996E-05	9.15103E-05	1.95699E-05	8.34133E-05	3.60944E-05	9.08544E-05	9.46637E-05	1.0226E-05	8.34133E-05	3.83534E-05
8403	8.48996E-05	8.86871E-05	1.90135E-05	8.20183E-05	3.67148E-05	8.84478E-05	9.21724E-05	9.61143E-06	8.20183E-05	3.90465E-05
8404	8.63239E-05	9.01701E-05	1.94169E-05	8.42577E-05	3.78239E-05	9.02084E-05	9.40154E-05	9.6286E-06	8.42577E-05	4.02827E-05
8405	9.2593E-05	9.67134E-05	2.09165E-05	9.02355E-05	3.92869E-05	9.66884E-05	0.00010076	1.05016E-05	9.02355E-05	4.19105E-05
8406	0.000103058	0.000107653	2.31191E-05	9.81585E-05	3.96464E-05	0.000106883	0.000111353	1.22737E-05	9.81585E-05	4.17631E-05
8407	0.000108269	0.000113073	2.47111E-05	0.000102596	0.000130434	0.000112022	0.000116658	1.38944E-05	0.000102596	0.000126354
8408	0.000107673	0.000112421	2.50699E-05	0.000103086	0.00013026	0.000111664	0.000116259	1.44092E-05	0.000103086	0.000125611
8409	0.000107454	0.000112186	2.51404E-05	0.000102839	0.00013079	0.000111385	0.000115963	1.44744E-05	0.000102839	0.000126199
8410	0.000105938	0.000110598	2.48722E-05	0.000100796	0.000131025	0.000109578	0.00011407	1.44815E-05	0.000100796	0.000126458
8411	0.000104498	0.000109093	2.45668E-05	9.86887E-05	0.000131303	0.000107819	0.000112228	1.44957E-05	9.86887E-05	0.000126766
8412	0.000102944	0.000107473	2.41587E-05	9.73173E-05	0.000116556	0.000106263	0.000110611	1.42257E-05	9.73173E-05	0.000113095
8413	0.000102008	0.000106499	2.38709E-05	9.59878E-05	0.000116446	0.000105163	0.000109462	1.41622E-05	9.59878E-05	0.000112974
8414	0.000100788	0.00010523	2.3528E-05	9.51788E-05	0.000115856	0.000104043	0.000108304	1.38663E-05	9.51788E-05	0.000112317
8415	0.000102052	0.00010655	2.3799E-05	9.66667E-05	0.000129597	0.000105459	0.000109782	1.39482E-05	9.66667E-05	0.00012487
8416	0.000110871	0.000115763	2.57777E-05	0.000105039	0.000128166	0.000114605	0.000119306	1.50946E-05	0.000105039	0.000123277
8417	0.000124233	0.000129731	2.85887E-05	0.000116684	0.000126829	0.000128158	0.000133411	1.69661E-05	0.000116684	0.000121788
8418	0.000138176	0.000144306	3.15414E-05	0.000125583	0.000125735	0.000141154	0.000146889	1.97624E-05	0.000125583	0.00012057
8419	0.000147223	0.000153751	3.36738E-05	0.000128102	9.54106E-05	0.000148374	0.000154318	2.25591E-05	0.000128102	9.23044E-05
8420	0.000146309	0.000152786	3.364E-05	0.000124535	6.6669E-05	0.000146424	0.000152243	2.32485E-05	0.000124535	6.63456E-05
8421	0.000143213	0.000149579	3.24573E-05	0.000119007	5.10945E-05	0.000142413	0.000148071	2.26478E-05	0.000119007	5.1755E-05
8422	0.000134669	0.00014068	3.00968E-05	0.000111443	3.69576E-05	0.000133838	0.000139189	2.05702E-05	0.000111443	3.93073E-05
8423	0.000119136	0.00012445	2.67094E-05	0.000101211	3.61964E-05	0.000119281	0.000124091	1.74677E-05	0.000101211	3.84611E-05
8424	0.000106916	0.000111688	2.39089E-05	9.46101E-05	3.57405E-05	0.00010838	0.000112813	1.45624E-05	9.46101E-05	3.79543E-05
8425	9.14737E-05	9.55545E-05	2.04836E-05	8.49651E-05	3.57948E-05	9.41118E-05	9.80241E-05	1.13031E-05	8.49651E-05	3.80184E-05
8426	8.64063E-05	9.02657E-05	1.92687E-05	8.19992E-05	3.60812E-05	8.95292E-05	9.32809E-05	1.01193E-05	8.19992E-05	3.83389E-05
8427	8.3726E-05	8.7463E-05	1.87177E-05	8.063E-05	3.67243E-05	8.71453E-05	9.08133E-05	9.50618E-06	8.063E-05	3.90572E-05

8428	8.51842E-05	8.8981E-05	1.91354E-05	8.2945E-05	3.77996E-05	8.89541E-05	9.27068E-05	9.52138E-06	8.2945E-05	4.02558E-05
8429	9.14597E-05	9.55307E-05	2.06417E-05	8.89615E-05	3.92382E-05	9.54504E-05	9.9469E-05	1.03906E-05	8.89615E-05	4.18564E-05
8430	0.000101947	0.000106494	2.28481E-05	9.68991E-05	3.9555E-05	0.000105667	0.000110084	1.21664E-05	9.68991E-05	4.16614E-05
8431	0.000108702	0.000113542	2.44964E-05	0.000101461	0.000130332	0.000112002	0.000116639	1.38374E-05	0.000101461	0.00012624
8432	0.000106211	0.000110896	2.47243E-05	0.000101496	0.000130131	0.000110084	0.000114611	1.42585E-05	0.000101496	0.000125468
8433	0.000105575	0.000110224	2.46983E-05	0.000100809	0.000130632	0.000109356	0.000113848	1.42786E-05	0.000100809	0.000126022
8434	0.000103522	0.000108075	2.43069E-05	9.82055E-05	0.000130881	0.000106975	0.000111357	1.4227E-05	9.82055E-05	0.000126297
8435	0.000101794	0.00010627	2.39334E-05	9.57847E-05	0.000131205	0.000104905	0.00010919	1.42115E-05	9.57847E-05	0.000126657
8436	0.000100148	0.000104554	2.35004E-05	9.42943E-05	0.000116452	0.000103244	0.000107463	1.39346E-05	9.42943E-05	0.000112979
8437	9.9192E-05	0.00010356	2.32018E-05	9.29057E-05	0.00011632	0.000102112	0.000106281	1.38746E-05	9.29057E-05	0.000112833
8438	9.80981E-05	0.000102421	2.28998E-05	9.23015E-05	0.000115742	0.000101148	0.000105285	1.3582E-05	9.23015E-05	0.00011219
8439	9.96251E-05	0.000104017	2.32282E-05	9.40463E-05	0.000129498	0.00010284	0.000107052	1.36953E-05	9.40463E-05	0.00012476
8440	0.000108804	0.000113606	2.52794E-05	0.000102732	0.000128102	0.000112352	0.000116957	1.48897E-05	0.000102732	0.000123206
8441	0.000122368	0.000127785	2.81275E-05	0.000114532	0.000126742	0.000126104	0.000131269	1.67912E-05	0.000114532	0.000121691
8442	0.000136443	0.000142498	3.11178E-05	0.000123614	0.000125639	0.000139255	0.000144908	1.95957E-05	0.000123614	0.000120463
8443	0.000145594	0.000152051	3.32651E-05	0.000126186	9.52708E-05	0.00014657	0.000152436	2.24113E-05	0.000126186	9.21487E-05
8444	0.000144938	0.000151356	3.32823E-05	0.00012284	6.65629E-05	0.00014488	0.000150632	2.31359E-05	0.00012284	6.62275E-05
8445	0.000140432	0.000146661	3.20824E-05	0.000117379	5.10439E-05	0.000139832	0.000145375	2.24923E-05	0.000117379	5.16989E-05
8446	0.000133507	0.000139469	2.97987E-05	0.000110036	3.69494E-05	0.000132539	0.000137834	2.04707E-05	0.000110036	3.92986E-05
8447	0.000118123	0.000123392	2.64613E-05	0.000100057	3.6204E-05	0.000118169	0.000122931	1.73704E-05	0.000100057	3.84698E-05
8448	0.000106307	0.000111052	2.37668E-05	9.39591E-05	3.58291E-05	0.000107725	0.00011213	1.4498E-05	9.39591E-05	3.80533E-05
8449	9.14737E-05	9.55545E-05	2.04836E-05	8.49651E-05	3.57948E-05	9.41118E-05	9.80241E-05	1.13031E-05	8.49651E-05	3.80184E-05
8450	8.64063E-05	9.02657E-05	1.92687E-05	8.19992E-05	3.60812E-05	8.95292E-05	9.32809E-05	1.01193E-05	8.19992E-05	3.83389E-05
8451	8.3726E-05	8.7463E-05	1.87177E-05	8.063E-05	3.67243E-05	8.71453E-05	9.08133E-05	9.50618E-06	8.063E-05	3.90572E-05
8452	8.51842E-05	8.8981E-05	1.91354E-05	8.2945E-05	3.77996E-05	8.89541E-05	9.27068E-05	9.52138E-06	8.2945E-05	4.02558E-05
8453	9.14597E-05	9.55307E-05	2.06417E-05	8.89615E-05	3.92382E-05	9.54504E-05	9.9469E-05	1.03906E-05	8.89615E-05	4.18564E-05
8454	0.000101947	0.000106494	2.28481E-05	9.68991E-05	3.9555E-05	0.000105667	0.000110084	1.21664E-05	9.68991E-05	4.16614E-05
8455	0.000108702	0.000113542	2.44964E-05	0.000101461	0.000130332	0.000112002	0.000116639	1.38374E-05	0.000101461	0.00012624
8456	0.000106211	0.000110896	2.47243E-05	0.000101496	0.000130131	0.000110084	0.000114611	1.42585E-05	0.000101496	0.000125468
8457	0.000105575	0.000110224	2.46983E-05	0.000100809	0.000130632	0.000109356	0.000113848	1.42786E-05	0.000100809	0.000126022
8458	0.000103522	0.000108075	2.43069E-05	9.82055E-05	0.000130881	0.000106975	0.000111357	1.4227E-05	9.82055E-05	0.000126297
8459	0.000101794	0.00010627	2.39334E-05	9.57847E-05	0.000131205	0.000104905	0.00010919	1.42115E-05	9.57847E-05	0.000126657
8460	0.000100148	0.000104554	2.35004E-05	9.42943E-05	0.000116452	0.000103244	0.000107463	1.39346E-05	9.42943E-05	0.000112979
8461	9.9192E-05	0.00010356	2.32018E-05	9.29057E-05	0.00011632	0.000102112	0.000106281	1.38746E-05	9.29057E-05	0.000112833
8462	9.80981E-05	0.000102421	2.28998E-05	9.23015E-05	0.000115742	0.000101148	0.000105285	1.3582E-05	9.23015E-05	0.00011219
8463	9.96251E-05	0.000104017	2.32282E-05	9.40463E-05	0.000129498	0.00010284	0.000107052	1.36953E-05	9.40463E-05	0.00012476
8464	0.000108804	0.000113606	2.52794E-05	0.000102732	0.000128102	0.000112352	0.000116957	1.48897E-05	0.000102732	0.000123206
8465	0.000122368	0.000127785	2.81275E-05	0.000114532	0.000126742	0.000126104	0.000131269	1.67912E-05	0.000114532	0.000121691
8466	0.000136443	0.000142498	3.11178E-05	0.000123614	0.000125639	0.000139255	0.000144908	1.95957E-05	0.000123614	0.000120463
8467	0.000145594	0.000152051	3.32651E-05	0.000126186	9.52708E-05	0.00014657	0.000152436	2.24113E-05	0.000126186	9.21487E-05
8468	0.000144938	0.000151356	3.32823E-05	0.00012284	6.65629E-05	0.00014488	0.000150632	2.31359E-05	0.00012284	6.62275E-05
8469	0.000140432	0.000146661	3.20824E-05	0.000117379	5.10439E-05	0.000139832	0.000145375	2.24923E-05	0.000117379	5.16989E-05
8470	0.000133507	0.000139469	2.97987E-05	0.000110036	3.69494E-05	0.000132539	0.000137834	2.04707E-05	0.000110036	3.92986E-05
8471	0.000118123	0.000123392	2.64613E-05	0.000100057	3.6204E-05	0.000118169	0.000122931	1.73704E-05	0.000100057	3.84698E-05
8472	0.000106307	0.000111052	2.37668E-05	9.39591E-05	3.58291E-05	0.000107725	0.00011213	1.4498E-05	9.39591E-05	3.80533E-05
8473	9.1662E-05	9.5751E-05	2.0531E-05	8.51873E-05	3.58421E-05	9.43207E-05	9.8242E-05	1.13201E-05	8.51873E-05	3.8071E-05
8474	8.75996E-05	9.15103E-05	1.95699E-05	8.34133E-05	3.60944E-05	9.08544E-05	9.46637E-05	1.0226E-05	8.34133E-05	3.83534E-05
8475	8.48996E-05	8.86871E-05	1.90135E-05	8.20183E-05	3.67148E-05	8.84478E-05	9.21724E-05	9.61143E-06	8.20183E-05	3.90465E-05
8476	8.63239E-05	9.01701E-05	1.94169E-05	8.42577E-05	3.78239E-05	9.02084E-05	9.40154E-05	9.6286E-06	8.42577E-05	4.02827E-05
8477	9.2593E-05	9.67134E-05	2.09165E-05	9.02355E-05	3.92869E-05	9.66884E-05	0.00010076	1.05016E-05	9.02355E-05	4.19105E-05
8478	0.000103058	0.000107653	2.31191E-05	9.81585E-05	3.96464E-05	0.000106883	0.000111353	1.22737E-05	9.81585E-05	4.17631E-05
8479	0.000108269	0.000113073	2.47111E-05	0.000102596	0.000130434	0.000112022	0.000116658	1.38944E-05	0.000102596	0.000126354
8480	0.000107673	0.000112421	2.50699E-05	0.000103086	0.00013026	0.000111664	0.000116259	1.44092E-05	0.000103086	0.000125611
8481	0.000107454	0.000112186	2.51404E-05	0.000102839	0.00013079	0.000111385	0.000115963	1.44744E-05	0.000102839	0.000126199
8482	0.000105938	0.000110598	2.48722E-05	0.000100796	0.000131025	0.000109578	0.00011407	1.44815E-05	0.000100796	0.000126458
8483	0.000104498	0.000109093	2.45668E-05	9.86887E-05	0.000131303	0.000107819	0.000112228	1.44957E-05	9.86887E-05	0.000126766
8484	0.000102944	0.000107473	2.41587E-05	9.73173E-05	0.000116556	0.000106263	0.000110611	1.42257E-05	9.73173E-05	0.000113095
8485	0.000102008	0.000106499	2.38709E-05	9.59878E-05	0.000116446	0.000105163	0.000109462	1.41622E-05	9.59878E-05	0.000112974
8486	0.000100788	0.00010523	2.3528E-05	9.51788E-05	0.000115856	0.000104043	0.000108304	1.38663E-05	9.51788E-05	0.000112317
8487	0.000102052	0.00010655	2.3799E-05	9.66667E-05	0.000129597	0.000105459	0.000109782	1.39482E-05	9.66667E-05	0.00012487
8488	0.000110871	0.000115763	2.57777E-05	0.000105039	0.000128166	0.000114605	0.000119306	1.50946E-05	0.000105039	0.000123277
8489	0.000124233	0.000129731	2.85887E-05	0.000116684	0.000126829	0.000128158	0.000133411	1.69661E-05	0.000116684	0.000121788
8490	0.000138176	0.000144306	3.15414E-05	0.000125583	0.000125735	0.000141154	0.000146889	1.97624E-05	0.000125583	0.00012057
8491	0.000147223	0.000153751	3.36738E-05	0.000128102	9.54106E-05	0.000148374	0.000154318	2.25591E-05	0.000128102	9.23044E-05
8492	0.000146309	0.000152786	3.364E-05	0.000124535	6.6669E-05	0.000146424	0.000152243	2.32485E-05	0.000124535	6.63456E-05
8493	0.000143213	0.000149579	3.24573E-05	0.000119007	5.10945E-05	0.000142413	0.000148071	2.26478E-05	0.000119007	5.1755E-05
8494	0.000134669	0.00014068	3.00968E-05	0.000111443	3.69576E-05	0.000133838	0.000139189	2.05702E-05	0.000111443	3.93073E-05
8495	0.000119136	0.00012445	2.67094E-05	0.000101211	3.61964E-05	0.000119281	0.000124091	1.74677E-05	0.000101211	3.84611E-05
8496	0.000106916	0.000111688	2.39089E-05	9.46101E-05	3.57405E-05	0.00010838	0.000112813	1.45624E-05	9.46101E-05	3.79543E-05
8497	9.1662E-05	9.5751E-05	2.0531E-05	8.51873E-05	3.58421E-05	9.43207E-05	9.8242E-05	1.13201E-05	8.51873E-05	3.8071E-05
8498	8.75996E-05	9.15103E-05	1.95699E-05	8.34133E-05	3.60944E-05	9.08544E-05	9.46637E-05	1.0226E-05	8.34133E-05	3.83534E-05
8499	8.48996E-05	8.86871E-05	1.90135E-05	8.20183E-05	3.67148E-05	8.84478E-05	9.21724E-05	9.61143E-06	8.20183E-05	3.90465E-05
8500	8.63239E-05	9.01701E-05	1.94169E-05	8.42577E-05	3.78239E-05	9.02084E-05	9.40154E-05	9.6286E-06	8.42577E-05	4.02827E-05
8501	9.2593E-05	9.67134E-05	2.09165E-05	9.02355E-05	3.92869E-05	9.66884E-05	0.00010076	1.05016E-05	9.02355E-05	4.19105E-05
8502	0.000103058	0.000107653	2.31191E-05	9.81585E-05	3.96464E-05	0.000106883	0.000111353	1.22737E-05	9.81585E-05	4.17631E-05
8503	0.000108269	0.000113073	2.47111E-05	0.000102596	0.000130434	0.000112022	0.000116658	1.38944E-05	0.000102596	0.000126354

8504	0.000107673	0.000112421	2.50699E-05	0.000103086	0.00013026	0.000111664	0.000116259	1.44092E-05	0.000103086	0.000125611
8505	0.000107454	0.000112186	2.51404E-05	0.000102839	0.00013079	0.000111385	0.000115963	1.44744E-05	0.000102839	0.000126199
8506	0.000105938	0.000110598	2.48722E-05	0.000100796	0.000131025	0.000109578	0.00011407	1.44815E-05	0.000100796	0.000126458
8507	0.000104498	0.000109093	2.45668E-05	9.86887E-05	0.000131303	0.000107819	0.000112228	1.44957E-05	9.86887E-05	0.000126766
8508	0.000102944	0.000107473	2.41587E-05	9.73173E-05	0.000116556	0.000106263	0.000110611	1.42257E-05	9.73173E-05	0.000113095
8509	0.000102008	0.000106499	2.38709E-05	9.59878E-05	0.000116446	0.000105163	0.000109462	1.41622E-05	9.59878E-05	0.000112974
8510	0.000100788	0.00010523	2.3528E-05	9.51788E-05	0.000115856	0.000104043	0.000108304	1.38663E-05	9.51788E-05	0.000112317
8511	0.000102052	0.00010655	2.3799E-05	9.66667E-05	0.000129597	0.000105459	0.000109782	1.39482E-05	9.66667E-05	0.00012487
8512	0.000110871	0.000115763	2.57777E-05	0.000105039	0.000128166	0.000114605	0.000119306	1.50946E-05	0.000105039	0.000123277
8513	0.000124233	0.000129731	2.85887E-05	0.000116684	0.000126829	0.000128158	0.000133411	1.69661E-05	0.000116684	0.000121788
8514	0.000138176	0.000144306	3.15414E-05	0.000125583	0.000125735	0.000141154	0.000146889	1.97624E-05	0.000125583	0.00012057
8515	0.000147223	0.000153751	3.36738E-05	0.000128102	9.54106E-05	0.000148374	0.000154318	2.25591E-05	0.000128102	9.23044E-05
8516	0.000146309	0.000152786	3.364E-05	0.000124535	6.6669E-05	0.000146424	0.000152243	2.32485E-05	0.000124535	6.63456E-05
8517	0.000143213	0.000149579	3.24573E-05	0.000119007	5.10945E-05	0.000142413	0.000148071	2.26478E-05	0.000119007	5.1755E-05
8518	0.000134669	0.00014068	3.00968E-05	0.000111443	3.69576E-05	0.000133838	0.000139189	2.05702E-05	0.000111443	3.93073E-05
8519	0.000119136	0.00012445	2.67094E-05	0.000101211	3.61964E-05	0.000119281	0.000124091	1.74677E-05	0.000101211	3.84611E-05
8520	0.000106916	0.000111688	2.39089E-05	9.46101E-05	3.57405E-05	0.00010838	0.000112813	1.45624E-05	9.46101E-05	3.79543E-05
8521	9.1662E-05	9.5751E-05	2.0531E-05	8.51873E-05	3.58421E-05	9.43207E-05	9.8242E-05	1.13201E-05	8.51873E-05	3.8071E-05
8522	8.75996E-05	9.15103E-05	1.95699E-05	8.34133E-05	3.60944E-05	9.08544E-05	9.46637E-05	1.0226E-05	8.34133E-05	3.83534E-05
8523	8.48996E-05	8.86871E-05	1.90135E-05	8.20183E-05	3.67148E-05	8.84478E-05	9.21724E-05	9.61143E-06	8.20183E-05	3.90465E-05
8524	8.63239E-05	9.01701E-05	1.94169E-05	8.42577E-05	3.78239E-05	9.02084E-05	9.40154E-05	9.6286E-06	8.42577E-05	4.02827E-05
8525	9.2593E-05	9.67134E-05	2.09165E-05	9.02355E-05	3.92869E-05	9.66884E-05	0.00010076	1.05016E-05	9.02355E-05	4.19105E-05
8526	0.000103058	0.000107653	2.31191E-05	9.81585E-05	3.96464E-05	0.000106883	0.000111353	1.22737E-05	9.81585E-05	4.17631E-05
8527	0.000108269	0.000113073	2.47111E-05	0.000102596	0.000130434	0.000112022	0.000116658	1.38944E-05	0.000102596	0.000126354
8528	0.000107673	0.000112421	2.50699E-05	0.000103086	0.00013026	0.000111664	0.000116259	1.44092E-05	0.000103086	0.000125611
8529	0.000107454	0.000112186	2.51404E-05	0.000102839	0.00013079	0.000111385	0.000115963	1.44744E-05	0.000102839	0.000126199
8530	0.000105938	0.000110598	2.48722E-05	0.000100796	0.000131025	0.000109578	0.00011407	1.44815E-05	0.000100796	0.000126458
8531	0.000104498	0.000109093	2.45668E-05	9.86887E-05	0.000131303	0.000107819	0.000112228	1.44957E-05	9.86887E-05	0.000126766
8532	0.000102944	0.000107473	2.41587E-05	9.73173E-05	0.000116556	0.000106263	0.000110611	1.42257E-05	9.73173E-05	0.000113095
8533	0.000102008	0.000106499	2.38709E-05	9.59878E-05	0.000116446	0.000105163	0.000109462	1.41622E-05	9.59878E-05	0.000112974
8534	0.000100788	0.00010523	2.3528E-05	9.51788E-05	0.000115856	0.000104043	0.000108304	1.38663E-05	9.51788E-05	0.000112317
8535	0.000102052	0.00010655	2.3799E-05	9.66667E-05	0.000129597	0.000105459	0.000109782	1.39482E-05	9.66667E-05	0.00012487
8536	0.000110871	0.000115763	2.57777E-05	0.000105039	0.000128166	0.000114605	0.000119306	1.50946E-05	0.000105039	0.000123277
8537	0.000124233	0.000129731	2.85887E-05	0.000116684	0.000126829	0.000128158	0.000133411	1.69661E-05	0.000116684	0.000121788
8538	0.000138176	0.000144306	3.15414E-05	0.000125583	0.000125735	0.000141154	0.000146889	1.97624E-05	0.000125583	0.00012057
8539	0.000147223	0.000153751	3.36738E-05	0.000128102	9.54106E-05	0.000148374	0.000154318	2.25591E-05	0.000128102	9.23044E-05
8540	0.000146309	0.000152786	3.364E-05	0.000124535	6.6669E-05	0.000146424	0.000152243	2.32485E-05	0.000124535	6.63456E-05
8541	0.000143213	0.000149579	3.24573E-05	0.000119007	5.10945E-05	0.000142413	0.000148071	2.26478E-05	0.000119007	5.1755E-05
8542	0.000134669	0.00014068	3.00968E-05	0.000111443	3.69576E-05	0.000133838	0.000139189	2.05702E-05	0.000111443	3.93073E-05
8543	0.000119136	0.00012445	2.67094E-05	0.000101211	3.61964E-05	0.000119281	0.000124091	1.74677E-05	0.000101211	3.84611E-05
8544	0.000106916	0.000111688	2.39089E-05	9.46101E-05	3.57405E-05	0.00010838	0.000112813	1.45624E-05	9.46101E-05	3.79543E-05
8545	9.1662E-05	9.5751E-05	2.0531E-05	8.51873E-05	3.58421E-05	9.43207E-05	9.8242E-05	1.13201E-05	8.51873E-05	3.8071E-05
8546	8.75996E-05	9.15103E-05	1.95699E-05	8.34133E-05	3.60944E-05	9.08544E-05	9.46637E-05	1.0226E-05	8.34133E-05	3.83534E-05
8547	8.48996E-05	8.86871E-05	1.90135E-05	8.20183E-05	3.67148E-05	8.84478E-05	9.21724E-05	9.61143E-06	8.20183E-05	3.90465E-05
8548	8.63239E-05	9.01701E-05	1.94169E-05	8.42577E-05	3.78239E-05	9.02084E-05	9.40154E-05	9.6286E-06	8.42577E-05	4.02827E-05
8549	9.2593E-05	9.67134E-05	2.09165E-05	9.02355E-05	3.92869E-05	9.66884E-05	0.00010076	1.05016E-05	9.02355E-05	4.19105E-05
8550	0.000103058	0.000107653	2.31191E-05	9.81585E-05	3.96464E-05	0.000106883	0.000111353	1.22737E-05	9.81585E-05	4.17631E-05
8551	0.000108269	0.000113073	2.47111E-05	0.000102596	0.000130434	0.000112022	0.000116658	1.38944E-05	0.000102596	0.000126354
8552	0.000107673	0.000112421	2.50699E-05	0.000103086	0.00013026	0.000111664	0.000116259	1.44092E-05	0.000103086	0.000125611
8553	0.000107454	0.000112186	2.51404E-05	0.000102839	0.00013079	0.000111385	0.000115963	1.44744E-05	0.000102839	0.000126199
8554	0.000105938	0.000110598	2.48722E-05	0.000100796	0.000131025	0.000109578	0.00011407	1.44815E-05	0.000100796	0.000126458
8555	0.000104498	0.000109093	2.45668E-05	9.86887E-05	0.000131303	0.000107819	0.000112228	1.44957E-05	9.86887E-05	0.000126766
8556	0.000102944	0.000107473	2.41587E-05	9.73173E-05	0.000116556	0.000106263	0.000110611	1.42257E-05	9.73173E-05	0.000113095
8557	0.000102008	0.000106499	2.38709E-05	9.59878E-05	0.000116446	0.000105163	0.000109462	1.41622E-05	9.59878E-05	0.000112974
8558	0.000100788	0.00010523	2.3528E-05	9.51788E-05	0.000115856	0.000104043	0.000108304	1.38663E-05	9.51788E-05	0.000112317
8559	0.000102052	0.00010655	2.3799E-05	9.66667E-05	0.000129597	0.000105459	0.000109782	1.39482E-05	9.66667E-05	0.00012487
8560	0.000110871	0.000115763	2.57777E-05	0.000105039	0.000128166	0.000114605	0.000119306	1.50946E-05	0.000105039	0.000123277
8561	0.000124233	0.000129731	2.85887E-05	0.000116684	0.000126829	0.000128158	0.000133411	1.69661E-05	0.000116684	0.000121788
8562	0.000138176	0.000144306	3.15414E-05	0.000125583	0.000125735	0.000141154	0.000146889	1.97624E-05	0.000125583	0.00012057
8563	0.000147223	0.000153751	3.36738E-05	0.000128102	9.54106E-05	0.000148374	0.000154318	2.25591E-05	0.000128102	9.23044E-05
8564	0.000146309	0.000152786	3.364E-05	0.000124535	6.6669E-05	0.000146424	0.000152243	2.32485E-05	0.000124535	6.63456E-05
8565	0.000143213	0.000149579	3.24573E-05	0.000119007	5.10945E-05	0.000142413	0.000148071	2.26478E-05	0.000119007	5.1755E-05
8566	0.000134669	0.00014068	3.00968E-05	0.000111443	3.69576E-05	0.000133838	0.000139189	2.05702E-05	0.000111443	3.93073E-05
8567	0.000119136	0.00012445	2.67094E-05	0.000101211	3.61964E-05	0.000119281	0.000124091	1.74677E-05	0.000101211	3.84611E-05
8568	0.000106916	0.000111688	2.39089E-05	9.46101E-05	3.57405E-05	0.00010838	0.000112813	1.45624E-05	9.46101E-05	3.79543E-05
8569	9.1662E-05	9.5751E-05	2.0531E-05	8.51873E-05	3.58421E-05	9.43207E-05	9.8242E-05	1.13201E-05	8.51873E-05	3.8071E-05
8570	8.75996E-05	9.15103E-05	1.95699E-05	8.34133E-05	3.60944E-05	9.08544E-05	9.46637E-05	1.0226E-05	8.34133E-05	3.83534E-05
8571	8.48996E-05	8.86871E-05	1.90135E-05	8.20183E-05	3.67148E-05	8.84478E-05	9.21724E-05	9.61143E-06	8.20183E-05	3.90465E-05
8572	8.63239E-05	9.01701E-05	1.94169E-05	8.42577E-05	3.78239E-05	9.02084E-05	9.40154E-05	9.6286E-06	8.42577E-05	4.02827E-05
8573	9.2593E-05	9.67134E-05	2.09165E-05	9.02355E-05	3.92869E-05	9.66884E-05	0.00010076	1.05016E-05	9.02355E-05	4.19105E-05
8574	0.000103058	0.000107653	2.31191E-05	9.81585E-05	3.96464E-05	0.000106883	0.000111353	1.22737E-05	9.81585E-05	4.17631E-05
8575	0.000108269	0.000113073	2.47111E-05	0.000102596	0.000130434	0.000112022	0.000116658	1.38944E-05	0.000102596	0.000126354
8576	0.000107673	0.000112421	2.50699E-05	0.000103086	0.00013026	0.000111664	0.000116259	1.44092E-05	0.000103086	0.000125611
8577	0.000107454	0.000112186	2.51404E-05	0.000102839	0.00013079	0.000111385	0.000115963	1.44744E-05	0.000102839	0.000126199
8578	0.000105938	0.000110598	2.48722E-05	0.000100796	0.000131025	0.000109578	0.00011407	1.44815E-05	0.000100796	0.000126458
8579	0.000104498	0.000109093	2.45668E-05	9.86887E-05	0.000131303	0.000107819	0.000112228	1.44957E-05	9.86887E-05	0.000126766

8580	0.000102944	0.000107473	2.41587E-05	9.73173E-05	0.000116556	0.000106263	0.000110611	1.42257E-05	9.73173E-05	0.000113095
8581	0.000102008	0.000106499	2.38709E-05	9.59878E-05	0.000116446	0.000105163	0.000109462	1.41622E-05	9.59878E-05	0.000112974
8582	0.000100788	0.00010523	2.3528E-05	9.51788E-05	0.000115856	0.000104043	0.000108304	1.38663E-05	9.51788E-05	0.000112317
8583	0.000102052	0.00010655	2.3799E-05	9.66667E-05	0.000129597	0.000105459	0.000109782	1.39482E-05	9.66667E-05	0.00012487
8584	0.000110871	0.000115763	2.57777E-05	0.000105039	0.000128166	0.000114605	0.000119306	1.50946E-05	0.000105039	0.000123277
8585	0.000124233	0.000129731	2.85887E-05	0.000116684	0.000126829	0.000128158	0.000133411	1.69661E-05	0.000116684	0.000121788
8586	0.000138176	0.000144306	3.15414E-05	0.000125583	0.000125735	0.000141154	0.000146889	1.97624E-05	0.000125583	0.00012057
8587	0.000147223	0.000153751	3.36738E-05	0.000128102	9.54106E-05	0.000148374	0.000154318	2.25591E-05	0.000128102	9.23044E-05
8588	0.000146309	0.000152786	3.364E-05	0.000124535	6.6669E-05	0.000146424	0.000152243	2.32485E-05	0.000124535	6.63456E-05
8589	0.000143213	0.000149579	3.24573E-05	0.000119007	5.10945E-05	0.000142413	0.000148071	2.26478E-05	0.000119007	5.1755E-05
8590	0.000134669	0.00014068	3.00968E-05	0.000111443	3.69576E-05	0.000133838	0.000139189	2.05702E-05	0.000111443	3.93073E-05
8591	0.000119136	0.00012445	2.67094E-05	0.000101211	3.61964E-05	0.000119281	0.000124091	1.74677E-05	0.000101211	3.84611E-05
8592	0.000106916	0.000111688	2.39089E-05	9.46101E-05	3.57405E-05	0.00010838	0.000112813	1.45624E-05	9.46101E-05	3.79543E-05
8593	9.14737E-05	9.55545E-05	2.04836E-05	8.49651E-05	3.57948E-05	9.41118E-05	9.80241E-05	1.13031E-05	8.49651E-05	3.80184E-05
8594	8.64063E-05	9.02657E-05	1.92687E-05	8.19992E-05	3.60812E-05	8.95292E-05	9.32809E-05	1.01193E-05	8.19992E-05	3.83389E-05
8595	8.3726E-05	8.7463E-05	1.87177E-05	8.063E-05	3.67243E-05	8.71453E-05	9.08133E-05	9.50618E-06	8.063E-05	3.90572E-05
8596	8.51842E-05	8.8981E-05	1.91354E-05	8.2945E-05	3.77996E-05	8.89541E-05	9.27068E-05	9.52138E-06	8.2945E-05	4.02558E-05
8597	9.14597E-05	9.55307E-05	2.06417E-05	8.89615E-05	3.92382E-05	9.54504E-05	9.9469E-05	1.03906E-05	8.89615E-05	4.18564E-05
8598	0.000101947	0.000106494	2.28481E-05	9.68991E-05	3.9555E-05	0.000105667	0.000110084	1.21664E-05	9.68991E-05	4.16614E-05
8599	0.000108702	0.000113542	2.44964E-05	0.000101461	0.000130332	0.000112002	0.000116639	1.38374E-05	0.000101461	0.00012624
8600	0.000106211	0.000110896	2.47243E-05	0.000101496	0.000130131	0.000110084	0.000114611	1.42585E-05	0.000101496	0.000125468
8601	0.000105575	0.000110224	2.46983E-05	0.000100809	0.000130632	0.000109356	0.000113848	1.42786E-05	0.000100809	0.000126022
8602	0.000103522	0.000108075	2.43069E-05	9.82055E-05	0.000130881	0.000106975	0.000111357	1.4227E-05	9.82055E-05	0.000126297
8603	0.000101794	0.00010627	2.39334E-05	9.57847E-05	0.000131205	0.000104905	0.00010919	1.42115E-05	9.57847E-05	0.000126657
8604	0.000100148	0.000104554	2.35004E-05	9.42943E-05	0.000116452	0.000103244	0.000107463	1.39346E-05	9.42943E-05	0.000112979
8605	9.9192E-05	0.00010356	2.32018E-05	9.29057E-05	0.00011632	0.000102112	0.000106281	1.38746E-05	9.29057E-05	0.000112833
8606	9.80981E-05	0.000102421	2.28998E-05	9.23015E-05	0.000115742	0.000101148	0.000105285	1.3582E-05	9.23015E-05	0.00011219
8607	9.96251E-05	0.000104017	2.32282E-05	9.40463E-05	0.000129498	0.00010284	0.000107052	1.36953E-05	9.40463E-05	0.00012476
8608	0.000108804	0.000113606	2.52794E-05	0.000102732	0.000128102	0.000112352	0.000116957	1.48897E-05	0.000102732	0.000123206
8609	0.000122368	0.000127785	2.81275E-05	0.000114532	0.000126742	0.000126104	0.000131269	1.67912E-05	0.000114532	0.000121691
8610	0.000136443	0.000142498	3.11178E-05	0.000123614	0.000125639	0.000139255	0.000144908	1.95957E-05	0.000123614	0.000120463
8611	0.000145594	0.000152051	3.32651E-05	0.000126186	9.52708E-05	0.00014657	0.000152436	2.24113E-05	0.000126186	9.21487E-05
8612	0.000144938	0.000151356	3.32823E-05	0.00012284	6.65629E-05	0.00014488	0.000150632	2.31359E-05	0.00012284	6.62275E-05
8613	0.000140432	0.000146661	3.20824E-05	0.000117379	5.10439E-05	0.000139832	0.000145375	2.24923E-05	0.000117379	5.16989E-05
8614	0.000133507	0.000139469	2.97987E-05	0.000110036	3.69494E-05	0.000132539	0.000137834	2.04707E-05	0.000110036	3.92986E-05
8615	0.000118123	0.000123392	2.64613E-05	0.000100057	3.6204E-05	0.000118169	0.000122931	1.73704E-05	0.000100057	3.84698E-05
8616	0.000106307	0.000111052	2.37668E-05	9.39591E-05	3.58291E-05	0.000107725	0.00011213	1.4498E-05	9.39591E-05	3.80533E-05
8617	9.14737E-05	9.55545E-05	2.04836E-05	8.49651E-05	3.57948E-05	9.41118E-05	9.80241E-05	1.13031E-05	8.49651E-05	3.80184E-05
8618	8.64063E-05	9.02657E-05	1.92687E-05	8.19992E-05	3.60812E-05	8.95292E-05	9.32809E-05	1.01193E-05	8.19992E-05	3.83389E-05
8619	8.3726E-05	8.7463E-05	1.87177E-05	8.063E-05	3.67243E-05	8.71453E-05	9.08133E-05	9.50618E-06	8.063E-05	3.90572E-05
8620	8.51842E-05	8.8981E-05	1.91354E-05	8.2945E-05	3.77996E-05	8.89541E-05	9.27068E-05	9.52138E-06	8.2945E-05	4.02558E-05
8621	9.14597E-05	9.55307E-05	2.06417E-05	8.89615E-05	3.92382E-05	9.54504E-05	9.9469E-05	1.03906E-05	8.89615E-05	4.18564E-05
8622	0.000101947	0.000106494	2.28481E-05	9.68991E-05	3.9555E-05	0.000105667	0.000110084	1.21664E-05	9.68991E-05	4.16614E-05
8623	0.000108702	0.000113542	2.44964E-05	0.000101461	0.000130332	0.000112002	0.000116639	1.38374E-05	0.000101461	0.00012624
8624	0.000106211	0.000110896	2.47243E-05	0.000101496	0.000130131	0.000110084	0.000114611	1.42585E-05	0.000101496	0.000125468
8625	0.000105575	0.000110224	2.46983E-05	0.000100809	0.000130632	0.000109356	0.000113848	1.42786E-05	0.000100809	0.000126022
8626	0.000103522	0.000108075	2.43069E-05	9.82055E-05	0.000130881	0.000106975	0.000111357	1.4227E-05	9.82055E-05	0.000126297
8627	0.000101794	0.00010627	2.39334E-05	9.57847E-05	0.000131205	0.000104905	0.00010919	1.42115E-05	9.57847E-05	0.000126657
8628	0.000100148	0.000104554	2.35004E-05	9.42943E-05	0.000116452	0.000103244	0.000107463	1.39346E-05	9.42943E-05	0.000112979
8629	9.9192E-05	0.00010356	2.32018E-05	9.29057E-05	0.00011632	0.000102112	0.000106281	1.38746E-05	9.29057E-05	0.000112833
8630	9.80981E-05	0.000102421	2.28998E-05	9.23015E-05	0.000115742	0.000101148	0.000105285	1.3582E-05	9.23015E-05	0.00011219
8631	9.96251E-05	0.000104017	2.32282E-05	9.40463E-05	0.000129498	0.00010284	0.000107052	1.36953E-05	9.40463E-05	0.00012476
8632	0.000108804	0.000113606	2.52794E-05	0.000102732	0.000128102	0.000112352	0.000116957	1.48897E-05	0.000102732	0.000123206
8633	0.000122368	0.000127785	2.81275E-05	0.000114532	0.000126742	0.000126104	0.000131269	1.67912E-05	0.000114532	0.000121691
8634	0.000136443	0.000142498	3.11178E-05	0.000123614	0.000125639	0.000139255	0.000144908	1.95957E-05	0.000123614	0.000120463
8635	0.000145594	0.000152051	3.32651E-05	0.000126186	9.52708E-05	0.00014657	0.000152436	2.24113E-05	0.000126186	9.21487E-05
8636	0.000144938	0.000151356	3.32823E-05	0.00012284	6.65629E-05	0.00014488	0.000150632	2.31359E-05	0.00012284	6.62275E-05
8637	0.000140432	0.000146661	3.20824E-05	0.000117379	5.10439E-05	0.000139832	0.000145375	2.24923E-05	0.000117379	5.16989E-05
8638	0.000133507	0.000139469	2.97987E-05	0.000110036	3.69494E-05	0.000132539	0.000137834	2.04707E-05	0.000110036	3.92986E-05
8639	0.000118123	0.000123392	2.64613E-05	0.000100057	3.6204E-05	0.000118169	0.000122931	1.73704E-05	0.000100057	3.84698E-05
8640	0.000106307	0.000111052	2.37668E-05	9.39591E-05	3.58291E-05	0.000107725	0.00011213	1.4498E-05	9.39591E-05	3.80533E-05
8641	9.1662E-05	9.5751E-05	2.0531E-05	8.51873E-05	3.58421E-05	9.43207E-05	9.8242E-05	1.13201E-05	8.51873E-05	3.8071E-05
8642	8.75996E-05	9.15103E-05	1.95699E-05	8.34133E-05	3.60944E-05	9.08544E-05	9.46637E-05	1.0226E-05	8.34133E-05	3.83534E-05
8643	8.48996E-05	8.86871E-05	1.90135E-05	8.20183E-05	3.67148E-05	8.84478E-05	9.21724E-05	9.61143E-06	8.20183E-05	3.90465E-05
8644	8.63239E-05	9.01701E-05	1.94169E-05	8.42577E-05	3.78239E-05	9.02084E-05	9.40154E-05	9.6286E-06	8.42577E-05	4.02827E-05
8645	9.2593E-05	9.67134E-05	2.09165E-05	9.02355E-05	3.92869E-05	9.66884E-05	0.00010076	1.05016E-05	9.02355E-05	4.19105E-05
8646	0.000103058	0.000107653	2.31191E-05	9.81585E-05	3.96464E-05	0.000106883	0.000111353	1.22737E-05	9.81585E-05	4.17631E-05
8647	0.000108269	0.000113073	2.47111E-05	0.000102596	0.000130434	0.000112022	0.000116658	1.38944E-05	0.000102596	0.000126354
8648	0.000107673	0.000112421	2.50699E-05	0.000103086	0.00013026	0.000111664	0.000116259	1.44092E-05	0.000103086	0.000125611
8649	0.000107454	0.000112186	2.51404E-05	0.000102839	0.00013079	0.000111385	0.000115963	1.44744E-05	0.000102839	0.000126199
8650	0.000105938	0.000110598	2.48722E-05	0.000100796	0.000131025	0.000109578	0.00011407	1.44815E-05	0.000100796	0.000126458
8651	0.000104498	0.000109093	2.45668E-05	9.86887E-05	0.000131303	0.000107819	0.000112228	1.44957E-05	9.86887E-05	0.000126766
8652	0.000102944	0.000107473	2.41587E-05	9.73173E-05	0.000116556	0.000106263	0.000110611	1.42257E-05	9.73173E-05	0.000113095
8653	0.000102008	0.000106499	2.38709E-05	9.59878E-05	0.000116446	0.000105163	0.000109462	1.41622E-05	9.59878E-05	0.000112974
8654	0.000100788	0.00010523	2.3528E-05	9.51788E-05	0.000115856	0.000104043	0.000108304	1.38663E-05	9.51788E-05	0.000112317
8655	0.000102052	0.00010655	2.3799E-05	9.66667E-05	0.000129597	0.000105459	0.000109782	1.39482E-05	9.66667E-05	0.00012487

8656	0.000110871	0.000115763	2.57777E-05	0.000105039	0.000128166	0.000114605	0.000119306	1.50946E-05	0.000105039	0.000123277
8657	0.000124233	0.000129731	2.85887E-05	0.000116684	0.000126829	0.000128158	0.000133411	1.69661E-05	0.000116684	0.000121788
8658	0.000138176	0.000144306	3.15414E-05	0.000125583	0.000125735	0.000141154	0.000146889	1.97624E-05	0.000125583	0.00012057
8659	0.000147223	0.000153751	3.36738E-05	0.000128102	9.54106E-05	0.000148374	0.000154318	2.25591E-05	0.000128102	9.23044E-05
8660	0.000146309	0.000152786	3.364E-05	0.000124535	6.6669E-05	0.000146424	0.000152243	2.32485E-05	0.000124535	6.63456E-05
8661	0.000143213	0.000149579	3.24573E-05	0.000119007	5.10945E-05	0.000142413	0.000148071	2.26478E-05	0.000119007	5.1755E-05
8662	0.000134669	0.00014068	3.00968E-05	0.000111443	3.69576E-05	0.000133838	0.000139189	2.05702E-05	0.000111443	3.93073E-05
8663	0.000119136	0.00012445	2.67094E-05	0.000101211	3.61964E-05	0.000119281	0.000124091	1.74677E-05	0.000101211	3.84611E-05
8664	0.000106916	0.000111688	2.39089E-05	9.46101E-05	3.57405E-05	0.00010838	0.000112813	1.45624E-05	9.46101E-05	3.79543E-05
8665	9.1662E-05	9.5751E-05	2.0531E-05	8.51873E-05	3.58421E-05	9.43207E-05	9.8242E-05	1.13201E-05	8.51873E-05	3.8071E-05
8666	8.75996E-05	9.15103E-05	1.95699E-05	8.34133E-05	3.60944E-05	9.08544E-05	9.46637E-05	1.0226E-05	8.34133E-05	3.83534E-05
8667	8.48996E-05	8.86871E-05	1.90135E-05	8.20183E-05	3.67148E-05	8.84478E-05	9.21724E-05	9.61143E-06	8.20183E-05	3.90465E-05
8668	8.63239E-05	9.01701E-05	1.94169E-05	8.42577E-05	3.78239E-05	9.02084E-05	9.40154E-05	9.6286E-06	8.42577E-05	4.02827E-05
8669	9.2593E-05	9.67134E-05	2.09165E-05	9.02355E-05	3.92869E-05	9.66884E-05	0.00010076	1.05016E-05	9.02355E-05	4.19105E-05
8670	0.000103058	0.000107653	2.31191E-05	9.81585E-05	3.96464E-05	0.000106883	0.000111353	1.22737E-05	9.81585E-05	4.17631E-05
8671	0.000108269	0.000113073	2.47111E-05	0.000102596	0.000130434	0.000112022	0.000116658	1.38944E-05	0.000102596	0.000126354
8672	0.000107673	0.000112421	2.50699E-05	0.000103086	0.00013026	0.000111664	0.000116259	1.44092E-05	0.000103086	0.000125611
8673	0.000107454	0.000112186	2.51404E-05	0.000102839	0.00013079	0.000111385	0.000115963	1.44744E-05	0.000102839	0.000126199
8674	0.000105938	0.000110598	2.48722E-05	0.000100796	0.000131025	0.000109578	0.00011407	1.44815E-05	0.000100796	0.000126458
8675	0.000104498	0.000109093	2.45668E-05	9.86887E-05	0.000131303	0.000107819	0.000112228	1.44957E-05	9.86887E-05	0.000126766
8676	0.000102944	0.000107473	2.41587E-05	9.73173E-05	0.000116556	0.000106263	0.000110611	1.42257E-05	9.73173E-05	0.000113095
8677	0.000102008	0.000106499	2.38709E-05	9.59878E-05	0.000116446	0.000105163	0.000109462	1.41622E-05	9.59878E-05	0.000112974
8678	0.000100788	0.00010523	2.3528E-05	9.51788E-05	0.000115856	0.000104043	0.000108304	1.38663E-05	9.51788E-05	0.000112317
8679	0.000102052	0.00010655	2.3799E-05	9.66667E-05	0.000129597	0.000105459	0.000109782	1.39482E-05	9.66667E-05	0.00012487
8680	0.000110871	0.000115763	2.57777E-05	0.000105039	0.000128166	0.000114605	0.000119306	1.50946E-05	0.000105039	0.000123277
8681	0.000124233	0.000129731	2.85887E-05	0.000116684	0.000126829	0.000128158	0.000133411	1.69661E-05	0.000116684	0.000121788
8682	0.000138176	0.000144306	3.15414E-05	0.000125583	0.000125735	0.000141154	0.000146889	1.97624E-05	0.000125583	0.00012057
8683	0.000147223	0.000153751	3.36738E-05	0.000128102	9.54106E-05	0.000148374	0.000154318	2.25591E-05	0.000128102	9.23044E-05
8684	0.000146309	0.000152786	3.364E-05	0.000124535	6.6669E-05	0.000146424	0.000152243	2.32485E-05	0.000124535	6.63456E-05
8685	0.000143213	0.000149579	3.24573E-05	0.000119007	5.10945E-05	0.000142413	0.000148071	2.26478E-05	0.000119007	5.1755E-05
8686	0.000134669	0.00014068	3.00968E-05	0.000111443	3.69576E-05	0.000133838	0.000139189	2.05702E-05	0.000111443	3.93073E-05
8687	0.000119136	0.00012445	2.67094E-05	0.000101211	3.61964E-05	0.000119281	0.000124091	1.74677E-05	0.000101211	3.84611E-05
8688	0.000106916	0.000111688	2.39089E-05	9.46101E-05	3.57405E-05	0.00010838	0.000112813	1.45624E-05	9.46101E-05	3.79543E-05
8689	9.1662E-05	9.5751E-05	2.0531E-05	8.51873E-05	3.58421E-05	9.43207E-05	9.8242E-05	1.13201E-05	8.51873E-05	3.8071E-05
8690	8.75996E-05	9.15103E-05	1.95699E-05	8.34133E-05	3.60944E-05	9.08544E-05	9.46637E-05	1.0226E-05	8.34133E-05	3.83534E-05
8691	8.48996E-05	8.86871E-05	1.90135E-05	8.20183E-05	3.67148E-05	8.84478E-05	9.21724E-05	9.61143E-06	8.20183E-05	3.90465E-05
8692	8.63239E-05	9.01701E-05	1.94169E-05	8.42577E-05	3.78239E-05	9.02084E-05	9.40154E-05	9.6286E-06	8.42577E-05	4.02827E-05
8693	9.2593E-05	9.67134E-05	2.09165E-05	9.02355E-05	3.92869E-05	9.66884E-05	0.00010076	1.05016E-05	9.02355E-05	4.19105E-05
8694	0.000103058	0.000107653	2.31191E-05	9.81585E-05	3.96464E-05	0.000106883	0.000111353	1.22737E-05	9.81585E-05	4.17631E-05
8695	0.000108269	0.000113073	2.47111E-05	0.000102596	0.000130434	0.000112022	0.000116658	1.38944E-05	0.000102596	0.000126354
8696	0.000107673	0.000112421	2.50699E-05	0.000103086	0.00013026	0.000111664	0.000116259	1.44092E-05	0.000103086	0.000125611
8697	0.000107454	0.000112186	2.51404E-05	0.000102839	0.00013079	0.000111385	0.000115963	1.44744E-05	0.000102839	0.000126199
8698	0.000105938	0.000110598	2.48722E-05	0.000100796	0.000131025	0.000109578	0.00011407	1.44815E-05	0.000100796	0.000126458
8699	0.000104498	0.000109093	2.45668E-05	9.86887E-05	0.000131303	0.000107819	0.000112228	1.44957E-05	9.86887E-05	0.000126766
8700	0.000102944	0.000107473	2.41587E-05	9.73173E-05	0.000116556	0.000106263	0.000110611	1.42257E-05	9.73173E-05	0.000113095
8701	0.000102008	0.000106499	2.38709E-05	9.59878E-05	0.000116446	0.000105163	0.000109462	1.41622E-05	9.59878E-05	0.000112974
8702	0.000100788	0.00010523	2.3528E-05	9.51788E-05	0.000115856	0.000104043	0.000108304	1.38663E-05	9.51788E-05	0.000112317
8703	0.000102052	0.00010655	2.3799E-05	9.66667E-05	0.000129597	0.000105459	0.000109782	1.39482E-05	9.66667E-05	0.00012487
8704	0.000110871	0.000115763	2.57777E-05	0.000105039	0.000128166	0.000114605	0.000119306	1.50946E-05	0.000105039	0.000123277
8705	0.000124233	0.000129731	2.85887E-05	0.000116684	0.000126829	0.000128158	0.000133411	1.69661E-05	0.000116684	0.000121788
8706	0.000138176	0.000144306	3.15414E-05	0.000125583	0.000125735	0.000141154	0.000146889	1.97624E-05	0.000125583	0.00012057
8707	0.000147223	0.000153751	3.36738E-05	0.000128102	9.54106E-05	0.000148374	0.000154318	2.25591E-05	0.000128102	9.23044E-05
8708	0.000146309	0.000152786	3.364E-05	0.000124535	6.6669E-05	0.000146424	0.000152243	2.32485E-05	0.000124535	6.63456E-05
8709	0.000143213	0.000149579	3.24573E-05	0.000119007	5.10945E-05	0.000142413	0.000148071	2.26478E-05	0.000119007	5.1755E-05
8710	0.000134669	0.00014068	3.00968E-05	0.000111443	3.69576E-05	0.000133838	0.000139189	2.05702E-05	0.000111443	3.93073E-05
8711	0.000119136	0.00012445	2.67094E-05	0.000101211	3.61964E-05	0.000119281	0.000124091	1.74677E-05	0.000101211	3.84611E-05
8712	0.000106916	0.000111688	2.39089E-05	9.46101E-05	3.57405E-05	0.00010838	0.000112813	1.45624E-05	9.46101E-05	3.79543E-05
8713	9.1662E-05	9.5751E-05	2.0531E-05	8.51873E-05	3.58421E-05	9.43207E-05	9.8242E-05	1.13201E-05	8.51873E-05	3.8071E-05
8714	8.75996E-05	9.15103E-05	1.95699E-05	8.34133E-05	3.60944E-05	9.08544E-05	9.46637E-05	1.0226E-05	8.34133E-05	3.83534E-05
8715	8.48996E-05	8.86871E-05	1.90135E-05	8.20183E-05	3.67148E-05	8.84478E-05	9.21724E-05	9.61143E-06	8.20183E-05	3.90465E-05
8716	8.63239E-05	9.01701E-05	1.94169E-05	8.42577E-05	3.78239E-05	9.02084E-05	9.40154E-05	9.6286E-06	8.42577E-05	4.02827E-05
8717	9.2593E-05	9.67134E-05	2.09165E-05	9.02355E-05	3.92869E-05	9.66884E-05	0.00010076	1.05016E-05	9.02355E-05	4.19105E-05
8718	0.000103058	0.000107653	2.31191E-05	9.81585E-05	3.96464E-05	0.000106883	0.000111353	1.22737E-05	9.81585E-05	4.17631E-05
8719	0.000108269	0.000113073	2.47111E-05	0.000102596	0.000130434	0.000112022	0.000116658	1.38944E-05	0.000102596	0.000126354
8720	0.000107673	0.000112421	2.50699E-05	0.000103086	0.00013026	0.000111664	0.000116259	1.44092E-05	0.000103086	0.000125611
8721	0.000107454	0.000112186	2.51404E-05	0.000102839	0.00013079	0.000111385	0.000115963	1.44744E-05	0.000102839	0.000126199
8722	0.000105938	0.000110598	2.48722E-05	0.000100796	0.000131025	0.000109578	0.00011407	1.44815E-05	0.000100796	0.000126458
8723	0.000104498	0.000109093	2.45668E-05	9.86887E-05	0.000131303	0.000107819	0.000112228	1.44957E-05	9.86887E-05	0.000126766
8724	0.000102944	0.000107473	2.41587E-05	9.73173E-05	0.000116556	0.000106263	0.000110611	1.42257E-05	9.73173E-05	0.000113095
8725	0.000102008	0.000106499	2.38709E-05	9.59878E-05	0.000116446	0.000105163	0.000109462	1.41622E-05	9.59878E-05	0.000112974
8726	0.000100788	0.00010523	2.3528E-05	9.51788E-05	0.000115856	0.000104043	0.000108304	1.38663E-05	9.51788E-05	0.000112317
8727	0.000102052	0.00010655	2.3799E-05	9.66667E-05	0.000129597	0.000105459	0.000109782	1.39482E-05	9.66667E-05	0.00012487
8728	0.000110871	0.000115763	2.57777E-05	0.000105039	0.000128166	0.000114605	0.000119306	1.50946E-05	0.000105039	0.000123277
8729	0.000124233	0.000129731	2.85887E-05	0.000116684	0.000126829	0.000128158	0.000133411	1.69661E-05	0.000116684	0.000121788
8730	0.000138176	0.000144306	3.15414E-05	0.000125583	0.000125735	0.000141154	0.000146889	1.97624E-05	0.000125583	0.00012057
8731	0.000147223	0.000153751	3.36738E-05	0.000128102	9.54106E-05	0.000148374	0.000154318	2.25591E-05	0.000128102	9.23044E-05

8732	0.000146309	0.000152786	3.364E-05	0.000124535	6.6669E-05	0.000146424	0.000152243	2.32485E-05	0.000124535	6.63456E-05
8733	0.000143213	0.000149579	3.24573E-05	0.000119007	5.10945E-05	0.000142413	0.000148071	2.26478E-05	0.000119007	5.1755E-05
8734	0.000134669	0.00014068	3.00968E-05	0.000111443	3.69576E-05	0.000133838	0.000139189	2.05702E-05	0.000111443	3.93073E-05
8735	0.000119136	0.00012445	2.67094E-05	0.000101211	3.61964E-05	0.000119281	0.000124091	1.74677E-05	0.000101211	3.84611E-05
8736	0.000106916	0.000111688	2.39089E-05	9.46101E-05	3.57405E-05	0.00010838	0.000112813	1.45624E-05	9.46101E-05	3.79543E-05
8737	9.1662E-05	9.5751E-05	2.0531E-05	8.51873E-05	3.58421E-05	9.43207E-05	9.8242E-05	1.13201E-05	8.51873E-05	3.8071E-05
8738	8.75996E-05	9.15103E-05	1.95699E-05	8.34133E-05	3.60944E-05	9.08544E-05	9.46637E-05	1.0226E-05	8.34133E-05	3.83534E-05
8739	8.48996E-05	8.86871E-05	1.90135E-05	8.20183E-05	3.67148E-05	8.84478E-05	9.21724E-05	9.61143E-06	8.20183E-05	3.90465E-05
8740	8.63239E-05	9.01701E-05	1.94169E-05	8.42577E-05	3.78239E-05	9.02084E-05	9.40154E-05	9.6286E-06	8.42577E-05	4.02827E-05
8741	9.2593E-05	9.67134E-05	2.09165E-05	9.02355E-05	3.92869E-05	9.66884E-05	0.00010076	1.05016E-05	9.02355E-05	4.19105E-05
8742	0.000103058	0.000107653	2.31191E-05	9.81585E-05	3.96464E-05	0.000106883	0.000111353	1.22737E-05	9.81585E-05	4.17631E-05
8743	0.000108269	0.000113073	2.47111E-05	0.000102596	0.000130434	0.000112022	0.000116658	1.38944E-05	0.000102596	0.000126354
8744	0.000107673	0.000112421	2.50699E-05	0.000103086	0.00013026	0.000111664	0.000116259	1.44092E-05	0.000103086	0.000125611
8745	0.000107454	0.000112186	2.51404E-05	0.000102839	0.00013079	0.000111385	0.000115963	1.44744E-05	0.000102839	0.000126199
8746	0.000105938	0.000110598	2.48722E-05	0.000100796	0.000131025	0.000109578	0.00011407	1.44815E-05	0.000100796	0.000126458
8747	0.000104498	0.000109093	2.45668E-05	9.86887E-05	0.000131303	0.000107819	0.000112228	1.44957E-05	9.86887E-05	0.000126766
8748	0.000102944	0.000107473	2.41587E-05	9.73173E-05	0.000116556	0.000106263	0.000110611	1.42257E-05	9.73173E-05	0.000113095
8749	0.000102008	0.000106499	2.38709E-05	9.59878E-05	0.000116446	0.000105163	0.000109462	1.41622E-05	9.59878E-05	0.000112974
8750	0.000100788	0.00010523	2.3528E-05	9.51788E-05	0.000115856	0.000104043	0.000108304	1.38663E-05	9.51788E-05	0.000112317
8751	0.000102052	0.00010655	2.3799E-05	9.66667E-05	0.000129597	0.000105459	0.000109782	1.39482E-05	9.66667E-05	0.00012487
8752	0.000110871	0.000115763	2.57777E-05	0.000105039	0.000128166	0.000114605	0.000119306	1.50946E-05	0.000105039	0.000123277
8753	0.000124233	0.000129731	2.85887E-05	0.000116684	0.000126829	0.000128158	0.000133411	1.69661E-05	0.000116684	0.000121788
8754	0.000138176	0.000144306	3.15414E-05	0.000125583	0.000125735	0.000141154	0.000146889	1.97624E-05	0.000125583	0.00012057
8755	0.000147223	0.000153751	3.36738E-05	0.000128102	9.54106E-05	0.000148374	0.000154318	2.25591E-05	0.000128102	9.23044E-05
8756	0.000146309	0.000152786	3.364E-05	0.000124535	6.6669E-05	0.000146424	0.000152243	2.32485E-05	0.000124535	6.63456E-05
8757	0.000143213	0.000149579	3.24573E-05	0.000119007	5.10945E-05	0.000142413	0.000148071	2.26478E-05	0.000119007	5.1755E-05
8758	0.000134669	0.00014068	3.00968E-05	0.000111443	3.69576E-05	0.000133838	0.000139189	2.05702E-05	0.000111443	3.93073E-05
8759	0.000119136	0.00012445	2.67094E-05	0.000101211	3.61964E-05	0.000119281	0.000124091	1.74677E-05	0.000101211	3.84611E-05
8760	0.000106916	0.000111688	2.39089E-05	9.46101E-05	3.57405E-05	0.00010838	0.000112813	1.45624E-05	9.46101E-05	3.79543E-05
8761	9.1662E-05	9.5751E-05	2.0531E-05	8.51873E-05	3.58421E-05	9.43207E-05	9.8242E-05	1.13201E-05	8.51873E-05	3.8071E-05
8762	8.75996E-05	9.15103E-05	1.95699E-05	8.34133E-05	3.60944E-05	9.08544E-05	9.46637E-05	1.0226E-05	8.34133E-05	3.83534E-05
8763	8.48996E-05	8.86871E-05	1.90135E-05	8.20183E-05	3.67148E-05	8.84478E-05	9.21724E-05	9.61143E-06	8.20183E-05	3.90465E-05
8764	8.63239E-05	9.01701E-05	1.94169E-05	8.42577E-05	3.78239E-05	9.02084E-05	9.40154E-05	9.6286E-06	8.42577E-05	4.02827E-05
8765	9.2593E-05	9.67134E-05	2.09165E-05	9.02355E-05	3.92869E-05	9.66884E-05	0.00010076	1.05016E-05	9.02355E-05	4.19105E-05
8766	0.000103058	0.000107653	2.31191E-05	9.81585E-05	3.96464E-05	0.000106883	0.000111353	1.22737E-05	9.81585E-05	4.17631E-05
8767	0.000108269	0.000113073	2.47111E-05	0.000102596	0.000130434	0.000112022	0.000116658	1.38944E-05	0.000102596	0.000126354
8768	0.000107673	0.000112421	2.50699E-05	0.000103086	0.00013026	0.000111664	0.000116259	1.44092E-05	0.000103086	0.000125611
8769	0.000107454	0.000112186	2.51404E-05	0.000102839	0.00013079	0.000111385	0.000115963	1.44744E-05	0.000102839	0.000126199
8770	0.000105938	0.000110598	2.48722E-05	0.000100796	0.000131025	0.000109578	0.00011407	1.44815E-05	0.000100796	0.000126458
8771	0.000104498	0.000109093	2.45668E-05	9.86887E-05	0.000131303	0.000107819	0.000112228	1.44957E-05	9.86887E-05	0.000126766
8772	0.000102944	0.000107473	2.41587E-05	9.73173E-05	0.000116556	0.000106263	0.000110611	1.42257E-05	9.73173E-05	0.000113095
8773	0.000102008	0.000106499	2.38709E-05	9.59878E-05	0.000116446	0.000105163	0.000109462	1.41622E-05	9.59878E-05	0.000112974
8774	0.000100788	0.00010523	2.3528E-05	9.51788E-05	0.000115856	0.000104043	0.000108304	1.38663E-05	9.51788E-05	0.000112317
8775	0.000102052	0.00010655	2.3799E-05	9.66667E-05	0.000129597	0.000105459	0.000109782	1.39482E-05	9.66667E-05	0.00012487
8776	0.000110871	0.000115763	2.57777E-05	0.000105039	0.000128166	0.000114605	0.000119306	1.50946E-05	0.000105039	0.000123277
8777	0.000124233	0.000129731	2.85887E-05	0.000116684	0.000126829	0.000128158	0.000133411	1.69661E-05	0.000116684	0.000121788
8778	0.000138176	0.000144306	3.15414E-05	0.000125583	0.000125735	0.000141154	0.000146889	1.97624E-05	0.000125583	0.00012057
8779	0.000147223	0.000153751	3.36738E-05	0.000128102	9.54106E-05	0.000148374	0.000154318	2.25591E-05	0.000128102	9.23044E-05
8780	0.000146309	0.000152786	3.364E-05	0.000124535	6.6669E-05	0.000146424	0.000152243	2.32485E-05	0.000124535	6.63456E-05
8781	0.000143213	0.000149579	3.24573E-05	0.000119007	5.10945E-05	0.000142413	0.000148071	2.26478E-05	0.000119007	5.1755E-05
8782	0.000134669	0.00014068	3.00968E-05	0.000111443	3.69576E-05	0.000133838	0.000139189	2.05702E-05	0.000111443	3.93073E-05
8783	0.000119136	0.00012445	2.67094E-05	0.000101211	3.61964E-05	0.000119281	0.000124091	1.74677E-05	0.000101211	3.84611E-05
8784	0.000106916	0.000111688	2.39089E-05	9.46101E-05	3.57405E-05	0.00010838	0.000112813	1.45624E-05	9.46101E-05	3.79543E-05

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2030-2035 Program Blc

CC Avoided Cost

	RAP					MAP					
	Residential	Residential	Residential	IQW	C&I	Residential	Residential	Residential	IQW	C&I	
Hour	Energy Savings (MWh)	Tier 1	Tier 2	Energy Savings (MWh)	Energy Savings (MWh)	Energy Savings (MWh)	Tier 1	Tier 2	Energy Savings (MWh)	Energy Savings (MWh)	Hour
1	9.5755E-05	0.000102768	2.59805E-05	9.3943E-05	4.44345E-05	9.91956E-05	0.000105983	2.69862E-05	9.3943E-05	4.32025E-05	1
2	9.37256E-05	0.000100812	2.32182E-05	9.35269E-05	4.49664E-05	9.79806E-05	0.000104831	2.51008E-05	9.35269E-05	4.37531E-05	2
3	9.27079E-05	9.97999E-05	2.21476E-05	9.35013E-05	4.50936E-05	9.74286E-05	0.000104291	2.4415E-05	9.35013E-05	4.38867E-05	3
4	9.46153E-05	0.000101877	2.23682E-05	9.63904E-05	4.65839E-05	9.98874E-05	0.000106935	2.49079E-05	9.63904E-05	4.54184E-05	4
5	9.99545E-05	0.000107553	2.43567E-05	0.000102133	4.89443E-05	0.000105603	0.000113003	2.68674E-05	0.000102133	4.78314E-05	5
6	0.000107074	0.000115092	2.73095E-05	0.000108286	4.97922E-05	0.000112522	0.000120332	2.94341E-05	0.000108286	4.8653E-05	6
7	0.000112907	0.000121131	3.10819E-05	0.000113206	9.60172E-05	0.000118027	0.000126076	3.23991E-05	0.000113206	8.73656E-05	7
8	0.000111167	0.000119069	3.25405E-05	0.000114166	9.57604E-05	0.000117275	0.000125154	3.34443E-05	0.000114166	8.70459E-05	8
9	0.000109842	0.000117575	3.29064E-05	0.000111912	9.63593E-05	0.000115414	0.000123119	3.34337E-05	0.000111912	8.76383E-05	9
10	0.000107075	0.000114506	3.31339E-05	0.000107821	9.60977E-05	0.000111848	0.000119247	3.31322E-05	0.000107821	8.73576E-05	10
11	0.000104491	0.000111657	3.31961E-05	0.000103845	9.56401E-05	0.000108461	0.000115581	3.27144E-05	0.000103845	8.68793E-05	11
12	0.000101895	0.000108914	3.20673E-05	0.000100698	8.78842E-05	0.000105535	0.000112486	3.15823E-05	0.000100698	8.03616E-05	12
13	9.98491E-05	0.000106715	3.15441E-05	9.83159E-05	8.7461E-05	0.000103244	0.000110037	3.09723E-05	9.83159E-05	7.99285E-05	13
14	9.90157E-05	0.000105892	3.06028E-05	9.78712E-05	8.65776E-05	0.000102606	0.000109403	3.02895E-05	9.78712E-05	7.90295E-05	14
15	0.000100617	0.000107647	3.06778E-05	9.98767E-05	9.24412E-05	0.000104489	0.000111439	3.055E-05	9.98767E-05	8.36118E-05	15
16	0.000107563	0.000115108	3.24999E-05	0.000106671	9.08457E-05	0.000111681	0.000119131	3.24276E-05	0.000106671	8.19824E-05	16
17	0.000118975	0.000127392	3.5231E-05	0.000117266	8.97153E-05	0.000123262	0.000131537	3.52229E-05	0.000117266	8.08282E-05	17
18	0.000131626	0.000140705	4.12984E-05	0.000127269	8.88309E-05	0.00013507	0.000143986	4.02134E-05	0.000127269	7.99313E-05	18
19	0.000141509	0.000150729	4.97796E-05	0.000133308	7.35526E-05	0.000143195	0.000152283	4.65055E-05	0.000133308	6.71665E-05	19
20	0.000142423	0.000151377	5.33386E-05	0.00013239	6.07868E-05	0.000143058	0.000151914	4.88342E-05	0.00013239	5.70098E-05	20
21	0.000137831	0.000146422	5.23613E-05	0.000127031	5.2403E-05	0.000137894	0.000146371	4.76999E-05	0.000127031	4.98752E-05	21
22	0.000132082	0.000140548	4.78473E-05	0.000119936	4.66541E-05	0.000131516	0.000139737	4.40507E-05	0.000119936	4.54619E-05	22
23	0.000120308	0.000128252	4.12671E-05	0.000111323	4.56843E-05	0.000120915	0.000128628	3.88536E-05	0.000111323	4.44774E-05	23
24	0.00010996	0.000117616	3.37896E-05	0.000104553	4.53682E-05	0.000112095	0.00011951	3.32012E-05	0.000104553	4.41592E-05	24
25	9.5755E-05	0.000102768	2.59805E-05	9.3943E-05	4.44345E-05	9.91956E-05	0.000105983	2.69862E-05	9.3943E-05	4.32025E-05	25
26	9.37256E-05	0.000100812	2.32182E-05	9.35269E-05	4.49664E-05	9.79806E-05	0.000104831	2.51008E-05	9.35269E-05	4.37531E-05	26
27	9.27079E-05	9.97999E-05	2.21476E-05	9.35013E-05	4.50936E-05	9.74286E-05	0.000104291	2.4415E-05	9.35013E-05	4.38867E-05	27
28	9.46153E-05	0.000101877	2.23682E-05	9.63904E-05	4.65839E-05	9.98874E-05	0.000106935	2.49079E-05	9.63904E-05	4.54184E-05	28
29	9.99545E-05	0.000107553	2.43567E-05	0.000102133	4.89443E-05	0.000105603	0.000113003	2.68674E-05	0.000102133	4.78314E-05	29
30	0.000107074	0.000115092	2.73095E-05	0.000108286	4.97922E-05	0.000112522	0.000120332	2.94341E-05	0.000108286	4.8653E-05	30
31	0.000112907	0.000121131	3.10819E-05	0.000113206	9.60172E-05	0.000118027	0.000126076	3.23991E-05	0.000113206	8.73656E-05	31
32	0.000111167	0.000119069	3.25405E-05	0.000114166	9.57604E-05	0.000117275	0.000125154	3.34443E-05	0.000114166	8.70459E-05	32
33	0.000109842	0.000117575	3.29064E-05	0.000111912	9.63593E-05	0.000115414	0.000123119	3.34337E-05	0.000111912	8.76383E-05	33
34	0.000107075	0.000114506	3.31339E-05	0.000107821	9.60977E-05	0.000111848	0.000119247	3.31322E-05	0.000107821	8.73576E-05	34
35	0.000104491	0.000111657	3.31961E-05	0.000103845	9.56401E-05	0.000108461	0.000115581	3.27144E-05	0.000103845	8.68793E-05	35
36	0.000101895	0.000108914	3.20673E-05	0.000100698	8.78842E-05	0.000105535	0.000112486	3.15823E-05	0.000100698	8.03616E-05	36
37	9.98491E-05	0.000106715	3.15441E-05	9.83159E-05	8.7461E-05	0.000103244	0.000110037	3.09723E-05	9.83159E-05	7.99285E-05	37
38	9.90157E-05	0.000105892	3.06028E-05	9.78712E-05	8.65776E-05	0.000102606	0.000109403	3.02895E-05	9.78712E-05	7.90295E-05	38
39	0.000100617	0.000107647	3.06778E-05	9.98767E-05	9.24412E-05	0.000104489	0.000111439	3.055E-05	9.98767E-05	8.36118E-05	39
40	0.000107563	0.000115108	3.24999E-05	0.000106671	9.08457E-05	0.000111681	0.000119131	3.24276E-05	0.000106671	8.19824E-05	40
41	0.000118975	0.000127392	3.5231E-05	0.000117266	8.97153E-05	0.000123262	0.000131537	3.52229E-05	0.000117266	8.08282E-05	41
42	0.000131626	0.000140705	4.12984E-05	0.000127269	8.88309E-05	0.00013507	0.000143986	4.02134E-05	0.000127269	7.99313E-05	42
43	0.000141509	0.000150729	4.97796E-05	0.000133308	7.35526E-05	0.000143195	0.000152283	4.65055E-05	0.000133308	6.71665E-05	43
44	0.000142423	0.000151377	5.33386E-05	0.00013239	6.07868E-05	0.000143058	0.000151914	4.88342E-05	0.00013239	5.70098E-05	44
45	0.000137831	0.000146422	5.23613E-05	0.000127031	5.2403E-05	0.000137894	0.000146371	4.76999E-05	0.000127031	4.98752E-05	45
46	0.000132082	0.000140548	4.78473E-05	0.000119936	4.66541E-05	0.000131516	0.000139737	4.40507E-05	0.000119936	4.54619E-05	46
47	0.000120308	0.000128252	4.12671E-05	0.000111323	4.56843E-05	0.000120915	0.000128628	3.88536E-05	0.000111323	4.44774E-05	47
48	0.00010996	0.000117616	3.37896E-05	0.000104553	4.53682E-05	0.000112095	0.00011951	3.32012E-05	0.000104553	4.41592E-05	48
49	9.5755E-05	0.000102768	2.59805E-05	9.3943E-05	4.44345E-05	9.91956E-05	0.000105983	2.69862E-05	9.3943E-05	4.32025E-05	49
50	9.37256E-05	0.000100812	2.32182E-05	9.35269E-05	4.49664E-05	9.79806E-05	0.000104831	2.51008E-05	9.35269E-05	4.37531E-05	50
51	9.27079E-05	9.97999E-05	2.21476E-05	9.35013E-05	4.50936E-05	9.74286E-05	0.000104291	2.4415E-05	9.35013E-05	4.38867E-05	51
52	9.46153E-05	0.000101877	2.23682E-05	9.63904E-05	4.65839E-05	9.98874E-05	0.000106935	2.49079E-05	9.63904E-05	4.54184E-05	52
53	9.99545E-05	0.000107553	2.43567E-05	0.000102133	4.89443E-05	0.000105603	0.000113003	2.68674E-05	0.000102133	4.78314E-05	53
54	0.000107074	0.000115092	2.73095E-05	0.000108286	4.97922E-05	0.000112522	0.000120332	2.94341E-05	0.000108286	4.8653E-05	54
55	0.000112907	0.000121131	3.10819E-05	0.000113206	9.60172E-05	0.000118027	0.000126076	3.23991E-05	0.000113206	8.73656E-05	55
56	0.000111167	0.000119069	3.25405E-05	0.000114166	9.57604E-05	0.000117275	0.000125154	3.34443E-05	0.000114166	8.70459E-05	56
57	0.000109842	0.000117575	3.29064E-05	0.000111912	9.63593E-05	0.000115414	0.000123119	3.34337E-05	0.000111912	8.76383E-05	57
58	0.000107075	0.000114506	3.31339E-05	0.000107821	9.60977E-05	0.000111848	0.000119247	3.31322E-05	0.000107821	8.73576E-05	58
59	0.000104491	0.000111657	3.31961E-05	0.000103845	9.56401E-05	0.000108461	0.000115581	3.27144E-05	0.000103845	8.68793E-05	59
60	0.000101895	0.000108914	3.20673E-05	0.000100698	8.78842E-05	0.000105535	0.000112486	3.15823E-05	0.000100698	8.03616E-05	60
61	9.98491E-05	0.000106715	3.15441E-05	9.83159E-05	8.7461E-05	0.000103244	0.000110037	3.09723E-05	9.83159E-05	7.99285E-05	61
62	9.90157E-05	0.000105892	3.06028E-05	9.78712E-05	8.65776E-05	0.000102606	0.000109403	3.02895E-05	9.78712E-05	7.90295E-05	62
63	0.000100617	0.000107647	3.06778E-05	9.98767E-05	9.24412E-05	0.000104489	0.000111439	3.055E-05	9.98767E-05	8.36118E-05	63
64	0.000107563	0.000115108	3.24999E-05	0.000106671	9.08457E-05	0.000111681	0.000119131	3.24276E-05	0.000106671	8.19824E-05	64
65	0.000118975	0.000127392	3.5231E-05	0.000117266	8.97153E-05	0.000123262	0.000131537	3.52229E-05	0.000117266	8.08282E-05	65
66	0.000131626	0.000140705	4.12984E-05	0.000127269	8.88309E-05	0.00013507	0.000143986	4.02134E-05	0.000127269	7.99313E-05	66
67	0.000141509	0.000150729	4.97796E-05	0.000133308	7.35526E-05	0.000143195	0.000152283	4.65055E-05	0.000133308	6.71665E-05	67

68	0.000142423	0.000151377	5.33386E-05	0.00013239	6.07868E-05	0.000143058	0.000151914	4.88342E-05	0.00013239	5.70098E-05	68
69	0.000137831	0.000146422	5.23613E-05	0.000127031	5.2403E-05	0.000137894	0.000146371	4.76999E-05	0.000127031	4.98752E-05	69
70	0.000132082	0.000140548	4.78473E-05	0.000119936	4.66541E-05	0.000131516	0.000139737	4.40507E-05	0.000119936	4.54619E-05	70
71	0.000120308	0.000128252	4.12671E-05	0.000111323	4.56843E-05	0.000120915	0.000128628	3.88536E-05	0.000111323	4.44774E-05	71
72	0.00010996	0.000117616	3.37896E-05	0.000104553	4.53682E-05	0.000112095	0.00011951	3.32012E-05	0.000104553	4.41592E-05	72
73	9.62604E-05	0.000103313	2.60951E-05	9.45872E-05	4.51106E-05	9.97878E-05	0.000106617	2.71361E-05	9.45872E-05	4.39002E-05	73
74	9.31922E-05	0.000100236	2.31092E-05	9.29244E-05	4.46817E-05	9.73895E-05	0.000104197	2.49649E-05	9.29244E-05	4.34604E-05	74
75	9.22406E-05	9.92945E-05	2.20601E-05	9.30249E-05	4.48773E-05	9.69333E-05	0.000103759	2.43106E-05	9.30249E-05	4.36645E-05	75
76	9.40061E-05	0.000101219	2.22466E-05	9.57204E-05	4.62775E-05	9.92202E-05	0.000106219	2.47578E-05	9.57204E-05	4.51035E-05	76
77	9.92413E-05	0.000106782	2.42161E-05	0.000101361	4.85316E-05	0.000104827	0.000112171	2.66953E-05	0.000101361	4.74078E-05	77
78	0.000106407	0.00011437	2.71772E-05	0.000107559	4.93295E-05	0.000111794	0.00011955	2.92716E-05	0.000107559	4.81784E-05	78
79	0.000110685	0.000118706	3.08812E-05	0.000112235	9.53999E-05	0.00011624	0.000124142	3.21652E-05	0.000112235	8.67329E-05	79
80	0.000110342	0.000118179	3.23677E-05	0.000113207	9.50098E-05	0.000116349	0.000124162	3.32261E-05	0.000113207	8.6278E-05	80
81	0.000108965	0.000116628	3.2727E-05	0.00011092	9.55526E-05	0.000114442	0.000122077	3.32099E-05	0.00011092	8.68135E-05	81
82	0.000106362	0.000113739	3.29744E-05	0.000106926	9.53602E-05	0.000111019	0.00011836	3.29247E-05	0.000106926	8.66049E-05	82
83	0.000103907	0.000111029	3.30546E-05	0.000103042	9.47887E-05	0.000107751	0.000114821	3.25243E-05	0.000103042	8.60107E-05	83
84	0.000101297	0.000108269	3.19255E-05	9.98955E-05	8.70993E-05	0.000104816	0.000111717	3.13935E-05	9.98955E-05	7.95622E-05	84
85	9.92351E-05	0.000106054	3.13942E-05	9.74641E-05	8.66877E-05	0.000102494	0.000109235	3.07703E-05	9.74641E-05	7.9142E-05	85
86	9.84628E-05	0.000105297	3.04686E-05	9.71093E-05	8.58213E-05	0.000101933	0.000108684	3.01091E-05	9.71093E-05	7.82596E-05	86
87	9.99997E-05	0.000106982	3.05299E-05	9.90382E-05	9.17315E-05	0.000103743	0.000110642	3.0352E-05	9.90382E-05	8.28891E-05	87
88	0.000106867	0.000114358	3.23439E-05	0.000105795	9.02717E-05	0.000110871	0.000118263	3.22244E-05	0.000105795	8.13984E-05	88
89	0.000118078	0.000126423	3.50518E-05	0.00011628	8.92344E-05	0.000122279	0.000130483	3.50017E-05	0.00011628	8.03389E-05	89
90	0.000130558	0.00013955	4.10896E-05	0.000126123	8.83749E-05	0.000133913	0.000142744	3.99587E-05	0.000126123	7.94664E-05	90
91	0.00014036	0.000149487	4.95558E-05	0.000132082	7.31148E-05	0.000141953	0.00015095	4.6233E-05	0.000132082	6.67194E-05	91
92	0.000141296	0.000150159	5.31224E-05	0.000131208	6.03623E-05	0.000141849	0.000150617	4.85731E-05	0.000131208	5.65755E-05	92
93	0.000138409	0.000147069	5.22448E-05	0.000126266	5.19877E-05	0.000137913	0.000146406	4.75495E-05	0.000126266	4.94501E-05	93
94	0.00013136	0.000139769	4.76984E-05	0.000119111	4.62748E-05	0.000130712	0.000138875	4.3864E-05	0.000119111	4.50723E-05	94
95	0.000119649	0.000127541	4.11302E-05	0.000110564	4.53921E-05	0.000120179	0.000127839	3.86813E-05	0.000110564	4.41761E-05	95
96	0.000109443	0.000117058	3.36858E-05	0.000103981	4.52124E-05	0.000111527	0.000118901	3.30728E-05	0.000103981	4.39981E-05	96
97	9.62604E-05	0.000103313	2.60951E-05	9.45872E-05	4.51106E-05	9.97878E-05	0.000106617	2.71361E-05	9.45872E-05	4.39002E-05	97
98	9.31922E-05	0.000100236	2.31092E-05	9.29244E-05	4.46817E-05	9.73895E-05	0.000104197	2.49649E-05	9.29244E-05	4.34604E-05	98
99	9.22406E-05	9.92945E-05	2.20601E-05	9.30249E-05	4.48773E-05	9.69333E-05	0.000103759	2.43106E-05	9.30249E-05	4.36645E-05	99
100	9.40061E-05	0.000101219	2.22466E-05	9.57204E-05	4.62775E-05	9.92202E-05	0.000106219	2.47578E-05	9.57204E-05	4.51035E-05	100
101	9.92413E-05	0.000106782	2.42161E-05	0.000101361	4.85316E-05	0.000104827	0.000112171	2.66953E-05	0.000101361	4.74078E-05	101
102	0.000106407	0.00011437	2.71772E-05	0.000107559	4.93295E-05	0.000111794	0.00011955	2.92716E-05	0.000107559	4.81784E-05	102
103	0.000110685	0.000118706	3.08812E-05	0.000112235	9.53999E-05	0.00011624	0.000124142	3.21652E-05	0.000112235	8.67329E-05	103
104	0.000110342	0.000118179	3.23677E-05	0.000113207	9.50098E-05	0.000116349	0.000124162	3.32261E-05	0.000113207	8.6278E-05	104
105	0.000108965	0.000116628	3.2727E-05	0.00011092	9.55526E-05	0.000114442	0.000122077	3.32099E-05	0.00011092	8.68135E-05	105
106	0.000106362	0.000113739	3.29744E-05	0.000106926	9.53602E-05	0.000111019	0.00011836	3.29247E-05	0.000106926	8.66049E-05	106
107	0.000103907	0.000111029	3.30546E-05	0.000103042	9.47887E-05	0.000107751	0.000114821	3.25243E-05	0.000103042	8.60107E-05	107
108	0.000101297	0.000108269	3.19255E-05	9.98955E-05	8.70993E-05	0.000104816	0.000111717	3.13935E-05	9.98955E-05	7.95622E-05	108
109	9.92351E-05	0.000106054	3.13942E-05	9.74641E-05	8.66877E-05	0.000102494	0.000109235	3.07703E-05	9.74641E-05	7.9142E-05	109
110	9.84628E-05	0.000105297	3.04686E-05	9.71093E-05	8.58213E-05	0.000101933	0.000108684	3.01091E-05	9.71093E-05	7.82596E-05	110
111	9.99997E-05	0.000106982	3.05299E-05	9.90382E-05	9.17315E-05	0.000103743	0.000110642	3.0352E-05	9.90382E-05	8.28891E-05	111
112	0.000106867	0.000114358	3.23439E-05	0.000105795	9.02717E-05	0.000110871	0.000118263	3.22244E-05	0.000105795	8.13984E-05	112
113	0.000118078	0.000126423	3.50518E-05	0.00011628	8.92344E-05	0.000122279	0.000130483	3.50017E-05	0.00011628	8.03389E-05	113
114	0.000130558	0.00013955	4.10896E-05	0.000126123	8.83749E-05	0.000133913	0.000142744	3.99587E-05	0.000126123	7.94664E-05	114
115	0.00014036	0.000149487	4.95558E-05	0.000132082	7.31148E-05	0.000141953	0.00015095	4.6233E-05	0.000132082	6.67194E-05	115
116	0.000141296	0.000150159	5.31224E-05	0.000131208	6.03623E-05	0.000141849	0.000150617	4.85731E-05	0.000131208	5.65755E-05	116
117	0.000138409	0.000147069	5.22448E-05	0.000126266	5.19877E-05	0.000137913	0.000146406	4.75495E-05	0.000126266	4.94501E-05	117
118	0.00013136	0.000139769	4.76984E-05	0.000119111	4.62748E-05	0.000130712	0.000138875	4.3864E-05	0.000119111	4.50723E-05	118
119	0.000119649	0.000127541	4.11302E-05	0.000110564	4.53921E-05	0.000120179	0.000127839	3.86813E-05	0.000110564	4.41761E-05	119
120	0.000109443	0.000117058	3.36858E-05	0.000103981	4.52124E-05	0.000111527	0.000118901	3.30728E-05	0.000103981	4.39981E-05	120
121	9.62604E-05	0.000103313	2.60951E-05	9.45872E-05	4.51106E-05	9.97878E-05	0.000106617	2.71361E-05	9.45872E-05	4.39002E-05	121
122	9.31922E-05	0.000100236	2.31092E-05	9.29244E-05	4.46817E-05	9.73895E-05	0.000104197	2.49649E-05	9.29244E-05	4.34604E-05	122
123	9.22406E-05	9.92945E-05	2.20601E-05	9.30249E-05	4.48773E-05	9.69333E-05	0.000103759	2.43106E-05	9.30249E-05	4.36645E-05	123
124	9.40061E-05	0.000101219	2.22466E-05	9.57204E-05	4.62775E-05	9.92202E-05	0.000106219	2.47578E-05	9.57204E-05	4.51035E-05	124
125	9.92413E-05	0.000106782	2.42161E-05	0.000101361	4.85316E-05	0.000104827	0.000112171	2.66953E-05	0.000101361	4.74078E-05	125
126	0.000106407	0.00011437	2.71772E-05	0.000107559	4.93295E-05	0.000111794	0.00011955	2.92716E-05	0.000107559	4.81784E-05	126
127	0.000110685	0.000118706	3.08812E-05	0.000112235	9.53999E-05	0.00011624	0.000124142	3.21652E-05	0.000112235	8.67329E-05	127
128	0.000110342	0.000118179	3.23677E-05	0.000113207	9.50098E-05	0.000116349	0.000124162	3.32261E-05	0.000113207	8.6278E-05	128
129	0.000108965	0.000116628	3.2727E-05	0.00011092	9.55526E-05	0.000114442	0.000122077	3.32099E-05	0.00011092	8.68135E-05	129
130	0.000106362	0.000113739	3.29744E-05	0.000106926	9.53602E-05	0.000111019	0.00011836	3.29247E-05	0.000106926	8.66049E-05	130
131	0.000103907	0.000111029	3.30546E-05	0.000103042	9.47887E-05	0.000107751	0.000114821	3.25243E-05	0.000103042	8.60107E-05	131
132	0.000101297	0.000108269	3.19255E-05	9.98955E-05	8.70993E-05	0.000104816	0.000111717	3.13935E-05	9.98955E-05	7.95622E-05	132
133	9.92351E-05	0.000106054	3.13942E-05	9.74641E-05	8.66877E-05	0.000102494	0.000109235	3.07703E-05	9.74641E-05	7.9142E-05	133
134	9.84628E-05	0.000105297	3.04686E-05	9.71093E-05	8.58213E-05	0.000101933	0.000108684	3.01091E-05	9.71093E-05	7.82596E-05	134
135	9.99997E-05	0.000106982	3.05299E-05	9.90382E-05	9.17315E-05	0.000103743	0.000110642	3.0352E-05	9.90382E-05	8.28891E-05	135
136	0.000106867	0.000114358	3.23439E-05	0.000105795	9.02717E-05	0.000110871	0.000118263	3.22244E-05	0.000105795	8.13984E-05	136
137	0.000118078	0.000126423	3.50518E-05	0.00011628	8.92344E-05	0.000122279	0.000130483	3.50017E-05	0.00011628	8.03389E-05	137
138	0.000130558	0.00013955	4.10896E-05	0.000126123	8.83749E-05	0.000133913	0.000142744	3.99587E-05	0.000126123	7.94664E-05	138
139	0.00014036	0.000149487	4.95558E-05	0.000132082	7.31148E-05	0.000141953	0.00015095	4.6233E-05	0.000132082	6.67194E-05	139
140	0.000141296	0.000150159	5.31224E-05	0.000131208	6.03623E-05	0.000141849	0.000150617	4.85731E-05	0.000131208	5.65755E-05	140
141	0.000138409	0.000147069	5.22448E-05	0.000126266	5.19877E-05	0.000137913	0.000146406	4.75495E-05	0.000126266	4.94501E-05	141
142	0.00013136	0.000139769	4.76984E-05	0.000119111	4.62748E-05	0.000130712	0.000138875	4.3864E-05	0.000119111	4.50723E-05	142
143	0.000119649	0.000127541	4.11302E-05	0.000110564	4.53921E-05	0.000120179	0.000127839	3.86813E-05	0.000110564	4.41761E-05	143

144	0.000109443	0.000117058	3.36858E-05	0.000103981	4.52124E-05	0.000111527	0.000118901	3.30728E-05	0.000103981	4.39981E-05	144
145	9.62604E-05	0.000103313	2.60951E-05	9.45872E-05	4.51106E-05	9.97878E-05	0.000106617	2.71361E-05	9.45872E-05	4.39002E-05	145
146	9.31922E-05	0.000100236	2.31092E-05	9.29244E-05	4.46817E-05	9.73895E-05	0.000104197	2.49649E-05	9.29244E-05	4.34604E-05	146
147	9.22406E-05	9.92945E-05	2.20601E-05	9.30249E-05	4.48773E-05	9.69333E-05	0.000103759	2.43106E-05	9.30249E-05	4.36645E-05	147
148	9.40061E-05	0.000101219	2.22466E-05	9.57204E-05	4.62775E-05	9.92202E-05	0.000106219	2.47578E-05	9.57204E-05	4.51035E-05	148
149	9.92413E-05	0.000106782	2.42161E-05	0.000101361	4.85316E-05	0.000104827	0.000112171	2.66953E-05	0.000101361	4.74078E-05	149
150	0.000106407	0.00011437	2.71772E-05	0.000107559	4.93295E-05	0.000111794	0.00011955	2.92716E-05	0.000107559	4.81784E-05	150
151	0.000110685	0.000118706	3.08812E-05	0.000112235	9.53999E-05	0.00011624	0.000124142	3.21652E-05	0.000112235	8.67329E-05	151
152	0.000110342	0.000118179	3.23677E-05	0.000113207	9.50098E-05	0.000116349	0.000124162	3.32261E-05	0.000113207	8.6278E-05	152
153	0.000108965	0.000116628	3.2727E-05	0.00011092	9.55526E-05	0.000114442	0.000122077	3.32099E-05	0.00011092	8.68135E-05	153
154	0.000106362	0.000113739	3.29744E-05	0.000106926	9.53602E-05	0.000111019	0.00011836	3.29247E-05	0.000106926	8.66049E-05	154
155	0.000103907	0.000111029	3.30546E-05	0.000103042	9.47887E-05	0.000107751	0.000114821	3.25243E-05	0.000103042	8.60107E-05	155
156	0.000101297	0.000108269	3.19255E-05	9.98955E-05	8.70993E-05	0.000104816	0.000111717	3.13935E-05	9.98955E-05	7.95622E-05	156
157	9.92351E-05	0.000106054	3.13942E-05	9.74641E-05	8.66877E-05	0.000102494	0.000109235	3.07703E-05	9.74641E-05	7.9142E-05	157
158	9.84628E-05	0.000105297	3.04686E-05	9.71093E-05	8.58213E-05	0.000101933	0.000108684	3.01091E-05	9.71093E-05	7.82596E-05	158
159	9.99997E-05	0.000106982	3.05299E-05	9.90382E-05	9.17315E-05	0.000103743	0.000110642	3.0352E-05	9.90382E-05	8.28891E-05	159
160	0.000106867	0.000114358	3.23439E-05	0.000105795	9.02717E-05	0.000110871	0.000118263	3.22244E-05	0.000105795	8.13984E-05	160
161	0.000118078	0.000126423	3.50518E-05	0.00011628	8.92344E-05	0.000122279	0.000130483	3.50017E-05	0.00011628	8.03389E-05	161
162	0.000130558	0.00013955	4.10896E-05	0.000126123	8.83749E-05	0.000133913	0.000142744	3.99587E-05	0.000126123	7.94664E-05	162
163	0.00014036	0.000149487	4.95558E-05	0.000132082	7.31148E-05	0.000141953	0.00015095	4.6233E-05	0.000132082	6.67194E-05	163
164	0.000141296	0.000150159	5.31224E-05	0.000131208	6.03623E-05	0.000141849	0.000150617	4.85731E-05	0.000131208	5.65755E-05	164
165	0.000138409	0.000147069	5.22448E-05	0.000126266	5.19877E-05	0.000137913	0.000146406	4.75495E-05	0.000126266	4.94501E-05	165
166	0.00013136	0.000139769	4.76984E-05	0.000119111	4.62748E-05	0.000130712	0.000138875	4.3864E-05	0.000119111	4.50723E-05	166
167	0.000119649	0.000127541	4.11302E-05	0.000110564	4.53921E-05	0.000120179	0.000127839	3.86813E-05	0.000110564	4.41761E-05	167
168	0.000109443	0.000117058	3.36858E-05	0.000103981	4.52124E-05	0.000111527	0.000118901	3.30728E-05	0.000103981	4.39981E-05	168
169	9.62604E-05	0.000103313	2.60951E-05	9.45872E-05	4.51106E-05	9.97878E-05	0.000106617	2.71361E-05	9.45872E-05	4.39002E-05	169
170	9.31922E-05	0.000100236	2.31092E-05	9.29244E-05	4.46817E-05	9.73895E-05	0.000104197	2.49649E-05	9.29244E-05	4.34604E-05	170
171	9.22406E-05	9.92945E-05	2.20601E-05	9.30249E-05	4.48773E-05	9.69333E-05	0.000103759	2.43106E-05	9.30249E-05	4.36645E-05	171
172	9.40061E-05	0.000101219	2.22466E-05	9.57204E-05	4.62775E-05	9.92202E-05	0.000106219	2.47578E-05	9.57204E-05	4.51035E-05	172
173	9.92413E-05	0.000106782	2.42161E-05	0.000101361	4.85316E-05	0.000104827	0.000112171	2.66953E-05	0.000101361	4.74078E-05	173
174	0.000106407	0.00011437	2.71772E-05	0.000107559	4.93295E-05	0.000111794	0.00011955	2.92716E-05	0.000107559	4.81784E-05	174
175	0.000110685	0.000118706	3.08812E-05	0.000112235	9.53999E-05	0.00011624	0.000124142	3.21652E-05	0.000112235	8.67329E-05	175
176	0.000110342	0.000118179	3.23677E-05	0.000113207	9.50098E-05	0.000116349	0.000124162	3.32261E-05	0.000113207	8.6278E-05	176
177	0.000108965	0.000116628	3.2727E-05	0.00011092	9.55526E-05	0.000114442	0.000122077	3.32099E-05	0.00011092	8.68135E-05	177
178	0.000106362	0.000113739	3.29744E-05	0.000106926	9.53602E-05	0.000111019	0.00011836	3.29247E-05	0.000106926	8.66049E-05	178
179	0.000103907	0.000111029	3.30546E-05	0.000103042	9.47887E-05	0.000107751	0.000114821	3.25243E-05	0.000103042	8.60107E-05	179
180	0.000101297	0.000108269	3.19255E-05	9.98955E-05	8.70993E-05	0.000104816	0.000111717	3.13935E-05	9.98955E-05	7.95622E-05	180
181	9.92351E-05	0.000106054	3.13942E-05	9.74641E-05	8.66877E-05	0.000102494	0.000109235	3.07703E-05	9.74641E-05	7.9142E-05	181
182	9.84628E-05	0.000105297	3.04686E-05	9.71093E-05	8.58213E-05	0.000101933	0.000108684	3.01091E-05	9.71093E-05	7.82596E-05	182
183	9.99997E-05	0.000106982	3.05299E-05	9.90382E-05	9.17315E-05	0.000103743	0.000110642	3.0352E-05	9.90382E-05	8.28891E-05	183
184	0.000106867	0.000114358	3.23439E-05	0.000105795	9.02717E-05	0.000110871	0.000118263	3.22244E-05	0.000105795	8.13984E-05	184
185	0.000118078	0.000126423	3.50518E-05	0.00011628	8.92344E-05	0.000122279	0.000130483	3.50017E-05	0.00011628	8.03389E-05	185
186	0.000130558	0.00013955	4.10896E-05	0.000126123	8.83749E-05	0.000133913	0.000142744	3.99587E-05	0.000126123	7.94664E-05	186
187	0.00014036	0.000149487	4.95558E-05	0.000132082	7.31148E-05	0.000141953	0.00015095	4.6233E-05	0.000132082	6.67194E-05	187
188	0.000141296	0.000150159	5.31224E-05	0.000131208	6.03623E-05	0.000141849	0.000150617	4.85731E-05	0.000131208	5.65755E-05	188
189	0.000138409	0.000147069	5.22448E-05	0.000126266	5.19877E-05	0.000137913	0.000146406	4.75495E-05	0.000126266	4.94501E-05	189
190	0.00013136	0.000139769	4.76984E-05	0.000119111	4.62748E-05	0.000130712	0.000138875	4.3864E-05	0.000119111	4.50723E-05	190
191	0.000119649	0.000127541	4.11302E-05	0.000110564	4.53921E-05	0.000120179	0.000127839	3.86813E-05	0.000110564	4.41761E-05	191
192	0.000109443	0.000117058	3.36858E-05	0.000103981	4.52124E-05	0.000111527	0.000118901	3.30728E-05	0.000103981	4.39981E-05	192
193	9.5755E-05	0.000102768	2.59805E-05	9.3943E-05	4.44345E-05	9.91956E-05	0.000105983	2.69862E-05	9.3943E-05	4.32025E-05	193
194	9.37256E-05	0.000100812	2.32182E-05	9.35269E-05	4.49664E-05	9.79806E-05	0.000104831	2.51008E-05	9.35269E-05	4.37531E-05	194
195	9.27079E-05	9.97999E-05	2.21476E-05	9.35013E-05	4.50936E-05	9.74286E-05	0.000104291	2.4415E-05	9.35013E-05	4.38867E-05	195
196	9.46153E-05	0.000101877	2.23682E-05	9.63904E-05	4.65839E-05	9.98874E-05	0.000106935	2.49079E-05	9.63904E-05	4.54184E-05	196
197	9.99545E-05	0.000107553	2.43567E-05	0.000102133	4.89443E-05	0.000105603	0.000113003	2.68674E-05	0.000102133	4.78314E-05	197
198	0.000107074	0.000115092	2.73095E-05	0.000108286	4.97922E-05	0.000112522	0.000120332	2.94341E-05	0.000108286	4.8653E-05	198
199	0.000112907	0.000121131	3.10819E-05	0.000113206	9.60172E-05	0.000118027	0.000126076	3.23991E-05	0.000113206	8.73656E-05	199
200	0.000111167	0.000119069	3.25405E-05	0.000114166	9.57604E-05	0.000117275	0.000125154	3.34443E-05	0.000114166	8.70459E-05	200
201	0.000109842	0.000117575	3.29064E-05	0.000111912	9.63593E-05	0.000115414	0.000123119	3.34337E-05	0.000111912	8.76383E-05	201
202	0.000107075	0.000114506	3.31339E-05	0.000107821	9.60977E-05	0.000111848	0.000119247	3.31322E-05	0.000107821	8.73576E-05	202
203	0.000104491	0.000111657	3.31961E-05	0.000103845	9.56401E-05	0.000108461	0.000115581	3.27144E-05	0.000103845	8.68793E-05	203
204	0.000101895	0.000108914	3.20673E-05	0.000100698	8.78842E-05	0.000105535	0.000112486	3.15823E-05	0.000100698	8.03616E-05	204
205	9.98491E-05	0.000106715	3.15441E-05	9.83159E-05	8.7461E-05	0.000103244	0.000110037	3.09723E-05	9.83159E-05	7.99285E-05	205
206	9.90157E-05	0.000105892	3.06028E-05	9.78712E-05	8.65776E-05	0.000102606	0.000109403	3.02895E-05	9.78712E-05	7.90295E-05	206
207	0.000100617	0.000107647	3.06778E-05	9.98767E-05	9.24412E-05	0.000104489	0.000111439	3.055E-05	9.98767E-05	8.36118E-05	207
208	0.000107563	0.000115108	3.24999E-05	0.000106671	9.08457E-05	0.000111681	0.000119131	3.24276E-05	0.000106671	8.19824E-05	208
209	0.000118975	0.000127392	3.5231E-05	0.000117266	8.97153E-05	0.000123262	0.000131537	3.52229E-05	0.000117266	8.08282E-05	209
210	0.000131626	0.000140705	4.12984E-05	0.000127269	8.88309E-05	0.00013507	0.000143986	4.02134E-05	0.000127269	7.99313E-05	210
211	0.000141509	0.000150729	4.97796E-05	0.000133308	7.35526E-05	0.000143195	0.000152283	4.65055E-05	0.000133308	6.71665E-05	211
212	0.000142423	0.000151377	5.33386E-05	0.00013239	6.07868E-05	0.000143058	0.000151914	4.88342E-05	0.00013239	5.70098E-05	212
213	0.000137831	0.000146422	5.23613E-05	0.000127031	5.2403E-05	0.000137894	0.000146371	4.76999E-05	0.000127031	4.98752E-05	213
214	0.000132082	0.000140548	4.78473E-05	0.000119936	4.66541E-05	0.000131516	0.000139737	4.40507E-05	0.000119936	4.54619E-05	214
215	0.000120308	0.000128252	4.12671E-05	0.000111323	4.56843E-05	0.000120915	0.000128628	3.88536E-05	0.000111323	4.44774E-05	215
216	0.00010996	0.000117616	3.37896E-05	0.000104553	4.53682E-05	0.000112095	0.00011951	3.32012E-05	0.000104553	4.41592E-05	216
217	9.5755E-05	0.000102768	2.59805E-05	9.3943E-05	4.44345E-05	9.91956E-05	0.000105983	2.69862E-05	9.3943E-05	4.32025E-05	217
218	9.37256E-05	0.000100812	2.32182E-05	9.35269E-05	4.49664E-05	9.79806E-05	0.000104831	2.51008E-05	9.35269E-05	4.37531E-05	218
219	9.27079E-05	9.97999E-05	2.21476E-05	9.35013E-05	4.50936E-05	9.74286E-05	0.000104291	2.4415E-05	9.35013E-05	4.38867E-05	219

220	9.46153E-05	0.000101877	2.23682E-05	9.63904E-05	4.65839E-05	9.98874E-05	0.000106935	2.49079E-05	9.63904E-05	4.54184E-05	220
221	9.99545E-05	0.000107553	2.43567E-05	0.000102133	4.89443E-05	0.000105603	0.000113003	2.68674E-05	0.000102133	4.78314E-05	221
222	0.000107074	0.000115092	2.73095E-05	0.000108286	4.97922E-05	0.000112522	0.000120332	2.94341E-05	0.000108286	4.8653E-05	222
223	0.000112907	0.000121131	3.10819E-05	0.000113206	9.60172E-05	0.000118027	0.000126076	3.23991E-05	0.000113206	8.73656E-05	223
224	0.000111167	0.000119069	3.25405E-05	0.000114166	9.57604E-05	0.000117275	0.000125154	3.34443E-05	0.000114166	8.70459E-05	224
225	0.000109842	0.000117575	3.29064E-05	0.000111912	9.63593E-05	0.000115414	0.000123119	3.34337E-05	0.000111912	8.76383E-05	225
226	0.000107075	0.000114506	3.31339E-05	0.000107821	9.60977E-05	0.000111848	0.000119247	3.31322E-05	0.000107821	8.73576E-05	226
227	0.000104491	0.000111657	3.31961E-05	0.000103845	9.56401E-05	0.000108461	0.000115581	3.27144E-05	0.000103845	8.68793E-05	227
228	0.000101895	0.000108914	3.20673E-05	0.000100698	8.78842E-05	0.000105535	0.000112486	3.15823E-05	0.000100698	8.03616E-05	228
229	9.98491E-05	0.000106715	3.15441E-05	9.83159E-05	8.7461E-05	0.000103244	0.000110037	3.09723E-05	9.83159E-05	7.99285E-05	229
230	9.90157E-05	0.000105892	3.06028E-05	9.78712E-05	8.65776E-05	0.000102606	0.000109403	3.02895E-05	9.78712E-05	7.90295E-05	230
231	0.000100617	0.000107647	3.06778E-05	9.98767E-05	9.24412E-05	0.000104489	0.000111439	3.055E-05	9.98767E-05	8.36118E-05	231
232	0.000107563	0.000115108	3.24999E-05	0.000106671	9.08457E-05	0.000111681	0.000119131	3.24276E-05	0.000106671	8.19824E-05	232
233	0.000118975	0.000127392	3.5231E-05	0.000117266	8.97153E-05	0.000123262	0.000131537	3.52229E-05	0.000117266	8.08282E-05	233
234	0.000131626	0.000140705	4.12984E-05	0.000127269	8.88309E-05	0.00013507	0.000143986	4.02134E-05	0.000127269	7.99313E-05	234
235	0.000141509	0.000150729	4.97796E-05	0.000133308	7.35526E-05	0.000143195	0.000152283	4.65055E-05	0.000133308	6.71665E-05	235
236	0.000142423	0.000151377	5.33386E-05	0.00013239	6.07868E-05	0.000143058	0.000151914	4.88342E-05	0.00013239	5.70098E-05	236
237	0.000137831	0.000146422	5.23613E-05	0.000127031	5.2403E-05	0.000137894	0.000146371	4.76999E-05	0.000127031	4.98752E-05	237
238	0.000132082	0.000140548	4.78473E-05	0.000119936	4.66541E-05	0.000131516	0.000139737	4.40507E-05	0.000119936	4.54619E-05	238
239	0.000120308	0.000128252	4.12671E-05	0.000111323	4.56843E-05	0.000120915	0.000128628	3.88536E-05	0.000111323	4.44774E-05	239
240	0.00010996	0.000117616	3.37896E-05	0.000104553	4.53682E-05	0.000112095	0.00011951	3.32012E-05	0.000104553	4.41592E-05	240
241	9.62604E-05	0.000103313	2.60951E-05	9.45872E-05	4.51106E-05	9.97878E-05	0.000106617	2.71361E-05	9.45872E-05	4.39002E-05	241
242	9.31922E-05	0.000100236	2.31092E-05	9.29244E-05	4.46817E-05	9.73895E-05	0.000104197	2.49649E-05	9.29244E-05	4.34604E-05	242
243	9.22406E-05	9.92945E-05	2.20601E-05	9.30249E-05	4.48773E-05	9.69333E-05	0.000103759	2.43106E-05	9.30249E-05	4.36645E-05	243
244	9.40061E-05	0.000101219	2.22466E-05	9.57204E-05	4.62775E-05	9.92202E-05	0.000106219	2.47578E-05	9.57204E-05	4.51035E-05	244
245	9.92413E-05	0.000106782	2.42161E-05	0.000101361	4.85316E-05	0.000104827	0.000112171	2.66953E-05	0.000101361	4.74078E-05	245
246	0.000106407	0.00011437	2.71772E-05	0.000107559	4.93295E-05	0.000111794	0.00011955	2.92716E-05	0.000107559	4.81784E-05	246
247	0.000110685	0.000118706	3.08812E-05	0.000112235	9.53999E-05	0.00011624	0.000124142	3.21652E-05	0.000112235	8.67329E-05	247
248	0.000110342	0.000118179	3.23677E-05	0.000113207	9.50098E-05	0.000116349	0.000124162	3.32261E-05	0.000113207	8.6278E-05	248
249	0.000108965	0.000116628	3.2727E-05	0.00011092	9.55526E-05	0.000114442	0.000122077	3.32099E-05	0.00011092	8.68135E-05	249
250	0.000106362	0.000113739	3.29744E-05	0.000106926	9.53602E-05	0.000111019	0.00011836	3.29247E-05	0.000106926	8.66049E-05	250
251	0.000103907	0.000111029	3.30546E-05	0.000103042	9.47887E-05	0.000107751	0.000114821	3.25243E-05	0.000103042	8.60107E-05	251
252	0.000101297	0.000108269	3.19255E-05	9.98955E-05	8.70993E-05	0.000104816	0.000111717	3.13935E-05	9.98955E-05	7.95622E-05	252
253	9.92351E-05	0.000106054	3.13942E-05	9.74641E-05	8.66877E-05	0.000102494	0.000109235	3.07703E-05	9.74641E-05	7.9142E-05	253
254	9.84628E-05	0.000105297	3.04686E-05	9.71093E-05	8.58213E-05	0.000101933	0.000108684	3.01091E-05	9.71093E-05	7.82596E-05	254
255	9.99997E-05	0.000106982	3.05299E-05	9.90382E-05	9.17315E-05	0.000103743	0.000110642	3.0352E-05	9.90382E-05	8.28891E-05	255
256	0.000106867	0.000114358	3.23439E-05	0.000105795	9.02717E-05	0.000110871	0.000118263	3.22244E-05	0.000105795	8.13984E-05	256
257	0.000118078	0.000126423	3.50518E-05	0.00011628	8.92344E-05	0.000122279	0.000130483	3.50017E-05	0.00011628	8.03389E-05	257
258	0.000130558	0.00013955	4.10896E-05	0.000126123	8.83749E-05	0.000133913	0.000142744	3.99587E-05	0.000126123	7.94664E-05	258
259	0.00014036	0.000149487	4.95558E-05	0.000132082	7.31148E-05	0.000141953	0.00015095	4.6233E-05	0.000132082	6.67194E-05	259
260	0.000141296	0.000150159	5.31224E-05	0.000131208	6.03623E-05	0.000141849	0.000150617	4.85731E-05	0.000131208	5.65755E-05	260
261	0.000138409	0.000147069	5.22448E-05	0.000126266	5.19877E-05	0.000137913	0.000146406	4.75495E-05	0.000126266	4.94501E-05	261
262	0.00013136	0.000139769	4.76984E-05	0.000119111	4.62748E-05	0.000130712	0.000138875	4.3864E-05	0.000119111	4.50723E-05	262
263	0.000119649	0.000127541	4.11302E-05	0.000110564	4.53921E-05	0.000120179	0.000127839	3.86813E-05	0.000110564	4.41761E-05	263
264	0.000109443	0.000117058	3.36858E-05	0.000103981	4.52124E-05	0.000111527	0.000118901	3.30728E-05	0.000103981	4.39981E-05	264
265	9.62604E-05	0.000103313	2.60951E-05	9.45872E-05	4.51106E-05	9.97878E-05	0.000106617	2.71361E-05	9.45872E-05	4.39002E-05	265
266	9.31922E-05	0.000100236	2.31092E-05	9.29244E-05	4.46817E-05	9.73895E-05	0.000104197	2.49649E-05	9.29244E-05	4.34604E-05	266
267	9.22406E-05	9.92945E-05	2.20601E-05	9.30249E-05	4.48773E-05	9.69333E-05	0.000103759	2.43106E-05	9.30249E-05	4.36645E-05	267
268	9.40061E-05	0.000101219	2.22466E-05	9.57204E-05	4.62775E-05	9.92202E-05	0.000106219	2.47578E-05	9.57204E-05	4.51035E-05	268
269	9.92413E-05	0.000106782	2.42161E-05	0.000101361	4.85316E-05	0.000104827	0.000112171	2.66953E-05	0.000101361	4.74078E-05	269
270	0.000106407	0.00011437	2.71772E-05	0.000107559	4.93295E-05	0.000111794	0.00011955	2.92716E-05	0.000107559	4.81784E-05	270
271	0.000110685	0.000118706	3.08812E-05	0.000112235	9.53999E-05	0.00011624	0.000124142	3.21652E-05	0.000112235	8.67329E-05	271
272	0.000110342	0.000118179	3.23677E-05	0.000113207	9.50098E-05	0.000116349	0.000124162	3.32261E-05	0.000113207	8.6278E-05	272
273	0.000108965	0.000116628	3.2727E-05	0.00011092	9.55526E-05	0.000114442	0.000122077	3.32099E-05	0.00011092	8.68135E-05	273
274	0.000106362	0.000113739	3.29744E-05	0.000106926	9.53602E-05	0.000111019	0.00011836	3.29247E-05	0.000106926	8.66049E-05	274
275	0.000103907	0.000111029	3.30546E-05	0.000103042	9.47887E-05	0.000107751	0.000114821	3.25243E-05	0.000103042	8.60107E-05	275
276	0.000101297	0.000108269	3.19255E-05	9.98955E-05	8.70993E-05	0.000104816	0.000111717	3.13935E-05	9.98955E-05	7.95622E-05	276
277	9.92351E-05	0.000106054	3.13942E-05	9.74641E-05	8.66877E-05	0.000102494	0.000109235	3.07703E-05	9.74641E-05	7.9142E-05	277
278	9.84628E-05	0.000105297	3.04686E-05	9.71093E-05	8.58213E-05	0.000101933	0.000108684	3.01091E-05	9.71093E-05	7.82596E-05	278
279	9.99997E-05	0.000106982	3.05299E-05	9.90382E-05	9.17315E-05	0.000103743	0.000110642	3.0352E-05	9.90382E-05	8.28891E-05	279
280	0.000106867	0.000114358	3.23439E-05	0.000105795	9.02717E-05	0.000110871	0.000118263	3.22244E-05	0.000105795	8.13984E-05	280
281	0.000118078	0.000126423	3.50518E-05	0.00011628	8.92344E-05	0.000122279	0.000130483	3.50017E-05	0.00011628	8.03389E-05	281
282	0.000130558	0.00013955	4.10896E-05	0.000126123	8.83749E-05	0.000133913	0.000142744	3.99587E-05	0.000126123	7.94664E-05	282
283	0.00014036	0.000149487	4.95558E-05	0.000132082	7.31148E-05	0.000141953	0.00015095	4.6233E-05	0.000132082	6.67194E-05	283
284	0.000141296	0.000150159	5.31224E-05	0.000131208	6.03623E-05	0.000141849	0.000150617	4.85731E-05	0.000131208	5.65755E-05	284
285	0.000138409	0.000147069	5.22448E-05	0.000126266	5.19877E-05	0.000137913	0.000146406	4.75495E-05	0.000126266	4.94501E-05	285
286	0.00013136	0.000139769	4.76984E-05	0.000119111	4.62748E-05	0.000130712	0.000138875	4.3864E-05	0.000119111	4.50723E-05	286
287	0.000119649	0.000127541	4.11302E-05	0.000110564	4.53921E-05	0.000120179	0.000127839	3.86813E-05	0.000110564	4.41761E-05	287
288	0.000109443	0.000117058	3.36858E-05	0.000103981	4.52124E-05	0.000111527	0.000118901	3.30728E-05	0.000103981	4.39981E-05	288
289	9.62604E-05	0.000103313	2.60951E-05	9.45872E-05	4.51106E-05	9.97878E-05	0.000106617	2.71361E-05	9.45872E-05	4.39002E-05	289
290	9.31922E-05	0.000100236	2.31092E-05	9.29244E-05	4.46817E-05	9.73895E-05	0.000104197	2.49649E-05	9.29244E-05	4.34604E-05	290
291	9.22406E-05	9.92945E-05	2.20601E-05	9.30249E-05	4.48773E-05	9.69333E-05	0.000103759	2.43106E-05	9.30249E-05	4.36645E-05	291
292	9.40061E-05	0.000101219	2.22466E-05	9.57204E-05	4.62775E-05	9.92202E-05	0.000106219	2.47578E-05	9.57204E-05	4.51035E-05	292
293	9.92413E-05	0.000106782	2.42161E-05	0.000101361	4.85316E-05	0.000104827	0.000112171	2.66953E-05	0.000101361	4.74078E-05	293
294	0.000106407	0.00011437	2.71772E-05	0.000107559	4.93295E-05	0.000111794	0.00011955	2.92716E-05	0.000107559	4.81784E-05	294
295	0.000110685	0.000118706	3.08812E-05	0.000112235	9.53999E-05	0.00011624	0.000124142	3.21652E-05	0.000112235	8.67329E-05	295

296	0.000110342	0.000118179	3.23677E-05	0.000113207	9.50098E-05	0.000116349	0.000124162	3.32261E-05	0.000113207	8.6278E-05	**296**
297	0.000108965	0.000116628	3.2727E-05	0.00011092	9.55526E-05	0.000114442	0.000122077	3.32099E-05	0.00011092	8.68135E-05	**297**
298	0.000106362	0.000113739	3.29744E-05	0.000106926	9.53602E-05	0.000111019	0.00011836	3.29247E-05	0.000106926	8.66049E-05	**298**
299	0.000103907	0.000111029	3.30546E-05	0.000103042	9.47887E-05	0.000107751	0.000114821	3.25243E-05	0.000103042	8.60107E-05	**299**
300	0.000101297	0.000108269	3.19255E-05	9.98955E-05	8.70993E-05	0.000104816	0.000111717	3.13935E-05	9.98955E-05	7.95622E-05	**300**
301	9.92351E-05	0.000106054	3.13942E-05	9.74641E-05	8.66877E-05	0.000102494	0.000109235	3.07703E-05	9.74641E-05	7.9142E-05	**301**
302	9.84628E-05	0.000105297	3.04686E-05	9.71093E-05	8.58213E-05	0.000101933	0.000108684	3.01091E-05	9.71093E-05	7.82596E-05	**302**
303	9.99997E-05	0.000106982	3.05299E-05	9.90382E-05	9.17315E-05	0.000103743	0.000110642	3.0352E-05	9.90382E-05	8.28891E-05	**303**
304	0.000106867	0.000114358	3.23439E-05	0.000105795	9.02717E-05	0.000110871	0.000118263	3.22244E-05	0.000105795	8.13984E-05	**304**
305	0.000118078	0.000126423	3.50518E-05	0.00011628	8.92344E-05	0.000122279	0.000130483	3.50017E-05	0.00011628	8.03389E-05	**305**
306	0.000130558	0.00013955	4.10896E-05	0.000126123	8.83749E-05	0.000133913	0.000142744	3.99587E-05	0.000126123	7.94664E-05	**306**
307	0.00014036	0.000149487	4.95558E-05	0.000132082	7.31148E-05	0.000141953	0.00015095	4.6233E-05	0.000132082	6.67194E-05	**307**
308	0.000141296	0.000150159	5.31224E-05	0.000131208	6.03623E-05	0.000141849	0.000150617	4.85731E-05	0.000131208	5.65755E-05	**308**
309	0.000138409	0.000147069	5.22448E-05	0.000126266	5.19877E-05	0.000137913	0.000146406	4.75495E-05	0.000126266	4.94501E-05	**309**
310	0.00013136	0.000139769	4.76984E-05	0.000119111	4.62748E-05	0.000130712	0.000138875	4.3864E-05	0.000119111	4.50723E-05	**310**
311	0.000119649	0.000127541	4.11302E-05	0.000110564	4.53921E-05	0.000120179	0.000127839	3.86813E-05	0.000110564	4.41761E-05	**311**
312	0.000109443	0.000117058	3.36858E-05	0.000103981	4.52124E-05	0.000111527	0.000118901	3.30728E-05	0.000103981	4.39981E-05	**312**
313	9.62604E-05	0.000103313	2.60951E-05	9.45872E-05	4.51106E-05	9.97878E-05	0.000106617	2.71361E-05	9.45872E-05	4.39002E-05	**313**
314	9.31922E-05	0.000100236	2.31092E-05	9.29244E-05	4.46817E-05	9.73895E-05	0.000104197	2.49649E-05	9.29244E-05	4.34604E-05	**314**
315	9.22406E-05	9.92945E-05	2.20601E-05	9.30249E-05	4.48773E-05	9.69333E-05	0.000103759	2.43106E-05	9.30249E-05	4.36645E-05	**315**
316	9.40061E-05	0.000101219	2.22466E-05	9.57204E-05	4.62775E-05	9.92202E-05	0.000106219	2.47578E-05	9.57204E-05	4.51035E-05	**316**
317	9.92413E-05	0.000106782	2.42161E-05	0.000101361	4.85316E-05	0.000104827	0.000112171	2.66953E-05	0.000101361	4.74078E-05	**317**
318	0.000106407	0.00011437	2.71772E-05	0.000107559	4.93295E-05	0.000111794	0.00011955	2.92716E-05	0.000107559	4.81784E-05	**318**
319	0.000110685	0.000118706	3.08812E-05	0.000112235	9.53999E-05	0.00011624	0.000124142	3.21652E-05	0.000112235	8.67329E-05	**319**
320	0.000110342	0.000118179	3.23677E-05	0.000113207	9.50098E-05	0.000116349	0.000124162	3.32261E-05	0.000113207	8.6278E-05	**320**
321	0.000108965	0.000116628	3.2727E-05	0.00011092	9.55526E-05	0.000114442	0.000122077	3.32099E-05	0.00011092	8.68135E-05	**321**
322	0.000106362	0.000113739	3.29744E-05	0.000106926	9.53602E-05	0.000111019	0.00011836	3.29247E-05	0.000106926	8.66049E-05	**322**
323	0.000103907	0.000111029	3.30546E-05	0.000103042	9.47887E-05	0.000107751	0.000114821	3.25243E-05	0.000103042	8.60107E-05	**323**
324	0.000101297	0.000108269	3.19255E-05	9.98955E-05	8.70993E-05	0.000104816	0.000111717	3.13935E-05	9.98955E-05	7.95622E-05	**324**
325	9.92351E-05	0.000106054	3.13942E-05	9.74641E-05	8.66877E-05	0.000102494	0.000109235	3.07703E-05	9.74641E-05	7.9142E-05	**325**
326	9.84628E-05	0.000105297	3.04686E-05	9.71093E-05	8.58213E-05	0.000101933	0.000108684	3.01091E-05	9.71093E-05	7.82596E-05	**326**
327	9.99997E-05	0.000106982	3.05299E-05	9.90382E-05	9.17315E-05	0.000103743	0.000110642	3.0352E-05	9.90382E-05	8.28891E-05	**327**
328	0.000106867	0.000114358	3.23439E-05	0.000105795	9.02717E-05	0.000110871	0.000118263	3.22244E-05	0.000105795	8.13984E-05	**328**
329	0.000118078	0.000126423	3.50518E-05	0.00011628	8.92344E-05	0.000122279	0.000130483	3.50017E-05	0.00011628	8.03389E-05	**329**
330	0.000130558	0.00013955	4.10896E-05	0.000126123	8.83749E-05	0.000133913	0.000142744	3.99587E-05	0.000126123	7.94664E-05	**330**
331	0.00014036	0.000149487	4.95558E-05	0.000132082	7.31148E-05	0.000141953	0.00015095	4.6233E-05	0.000132082	6.67194E-05	**331**
332	0.000141296	0.000150159	5.31224E-05	0.000131208	6.03623E-05	0.000141849	0.000150617	4.85731E-05	0.000131208	5.65755E-05	**332**
333	0.000138409	0.000147069	5.22448E-05	0.000126266	5.19877E-05	0.000137913	0.000146406	4.75495E-05	0.000126266	4.94501E-05	**333**
334	0.00013136	0.000139769	4.76984E-05	0.000119111	4.62748E-05	0.000130712	0.000138875	4.3864E-05	0.000119111	4.50723E-05	**334**
335	0.000119649	0.000127541	4.11302E-05	0.000110564	4.53921E-05	0.000120179	0.000127839	3.86813E-05	0.000110564	4.41761E-05	**335**
336	0.000109443	0.000117058	3.36858E-05	0.000103981	4.52124E-05	0.000111527	0.000118901	3.30728E-05	0.000103981	4.39981E-05	**336**
337	9.62604E-05	0.000103313	2.60951E-05	9.45872E-05	4.51106E-05	9.97878E-05	0.000106617	2.71361E-05	9.45872E-05	4.39002E-05	**337**
338	9.31922E-05	0.000100236	2.31092E-05	9.29244E-05	4.46817E-05	9.73895E-05	0.000104197	2.49649E-05	9.29244E-05	4.34604E-05	**338**
339	9.22406E-05	9.92945E-05	2.20601E-05	9.30249E-05	4.48773E-05	9.69333E-05	0.000103759	2.43106E-05	9.30249E-05	4.36645E-05	**339**
340	9.40061E-05	0.000101219	2.22466E-05	9.57204E-05	4.62775E-05	9.92202E-05	0.000106219	2.47578E-05	9.57204E-05	4.51035E-05	**340**
341	9.92413E-05	0.000106782	2.42161E-05	0.000101361	4.85316E-05	0.000104827	0.000112171	2.66953E-05	0.000101361	4.74078E-05	**341**
342	0.000106407	0.00011437	2.71772E-05	0.000107559	4.93295E-05	0.000111794	0.00011955	2.92716E-05	0.000107559	4.81784E-05	**342**
343	0.000110685	0.000118706	3.08812E-05	0.000112235	9.53999E-05	0.00011624	0.000124142	3.21652E-05	0.000112235	8.67329E-05	**343**
344	0.000110342	0.000118179	3.23677E-05	0.000113207	9.50098E-05	0.000116349	0.000124162	3.32261E-05	0.000113207	8.6278E-05	**344**
345	0.000108965	0.000116628	3.2727E-05	0.00011092	9.55526E-05	0.000114442	0.000122077	3.32099E-05	0.00011092	8.68135E-05	**345**
346	0.000106362	0.000113739	3.29744E-05	0.000106926	9.53602E-05	0.000111019	0.00011836	3.29247E-05	0.000106926	8.66049E-05	**346**
347	0.000103907	0.000111029	3.30546E-05	0.000103042	9.47887E-05	0.000107751	0.000114821	3.25243E-05	0.000103042	8.60107E-05	**347**
348	0.000101297	0.000108269	3.19255E-05	9.98955E-05	8.70993E-05	0.000104816	0.000111717	3.13935E-05	9.98955E-05	7.95622E-05	**348**
349	9.92351E-05	0.000106054	3.13942E-05	9.74641E-05	8.66877E-05	0.000102494	0.000109235	3.07703E-05	9.74641E-05	7.9142E-05	**349**
350	9.84628E-05	0.000105297	3.04686E-05	9.71093E-05	8.58213E-05	0.000101933	0.000108684	3.01091E-05	9.71093E-05	7.82596E-05	**350**
351	9.99997E-05	0.000106982	3.05299E-05	9.90382E-05	9.17315E-05	0.000103743	0.000110642	3.0352E-05	9.90382E-05	8.28891E-05	**351**
352	0.000106867	0.000114358	3.23439E-05	0.000105795	9.02717E-05	0.000110871	0.000118263	3.22244E-05	0.000105795	8.13984E-05	**352**
353	0.000118078	0.000126423	3.50518E-05	0.00011628	8.92344E-05	0.000122279	0.000130483	3.50017E-05	0.00011628	8.03389E-05	**353**
354	0.000130558	0.00013955	4.10896E-05	0.000126123	8.83749E-05	0.000133913	0.000142744	3.99587E-05	0.000126123	7.94664E-05	**354**
355	0.00014036	0.000149487	4.95558E-05	0.000132082	7.31148E-05	0.000141953	0.00015095	4.6233E-05	0.000132082	6.67194E-05	**355**
356	0.000141296	0.000150159	5.31224E-05	0.000131208	6.03623E-05	0.000141849	0.000150617	4.85731E-05	0.000131208	5.65755E-05	**356**
357	0.000138409	0.000147069	5.22448E-05	0.000126266	5.19877E-05	0.000137913	0.000146406	4.75495E-05	0.000126266	4.94501E-05	**357**
358	0.00013136	0.000139769	4.76984E-05	0.000119111	4.62748E-05	0.000130712	0.000138875	4.3864E-05	0.000119111	4.50723E-05	**358**
359	0.000119649	0.000127541	4.11302E-05	0.000110564	4.53921E-05	0.000120179	0.000127839	3.86813E-05	0.000110564	4.41761E-05	**359**
360	0.000109443	0.000117058	3.36858E-05	0.000103981	4.52124E-05	0.000111527	0.000118901	3.30728E-05	0.000103981	4.39981E-05	**360**
361	9.5755E-05	0.000102768	2.59805E-05	9.3943E-05	4.44345E-05	9.91956E-05	0.000105983	2.69862E-05	9.3943E-05	4.32025E-05	**361**
362	9.37256E-05	0.000100812	2.32182E-05	9.35269E-05	4.49664E-05	9.79806E-05	0.000104831	2.51008E-05	9.35269E-05	4.37531E-05	**362**
363	9.27079E-05	9.97999E-05	2.21476E-05	9.35013E-05	4.50936E-05	9.74286E-05	0.000104291	2.4415E-05	9.35013E-05	4.38867E-05	**363**
364	9.46153E-05	0.000101877	2.23682E-05	9.63904E-05	4.65839E-05	9.98874E-05	0.000106935	2.49079E-05	9.63904E-05	4.54184E-05	**364**
365	9.99545E-05	0.000107553	2.43567E-05	0.000102133	4.89443E-05	0.000105603	0.000113003	2.68674E-05	0.000102133	4.78314E-05	**365**
366	0.000107074	0.000115092	2.73095E-05	0.000108286	4.97922E-05	0.000112522	0.000120332	2.94341E-05	0.000108286	4.8653E-05	**366**
367	0.000112907	0.000121131	3.10819E-05	0.000113206	9.60172E-05	0.000118027	0.000126076	3.23991E-05	0.000113206	8.73656E-05	**367**
368	0.000111167	0.000119069	3.25405E-05	0.000114166	9.57604E-05	0.000117275	0.000125154	3.34443E-05	0.000114166	8.70459E-05	**368**
369	0.000109842	0.000117575	3.29064E-05	0.000111912	9.63593E-05	0.000115414	0.000123119	3.34337E-05	0.000111912	8.76383E-05	**369**
370	0.000107075	0.000114506	3.31339E-05	0.000107821	9.60977E-05	0.000111848	0.000119247	3.31322E-05	0.000107821	8.73576E-05	**370**
371	0.000104491	0.000111657	3.31961E-05	0.000103845	9.56401E-05	0.000108461	0.000115581	3.27144E-05	0.000103845	8.68793E-05	**371**

372	0.000101895	0.000108914	3.20673E-05	0.000100698	8.78842E-05	0.000105535	0.000112486	3.15823E-05	0.000100698	8.03616E-05	372
373	9.98491E-05	0.000106715	3.15441E-05	9.83159E-05	8.7461E-05	0.000103244	0.000110037	3.09723E-05	9.83159E-05	7.99285E-05	373
374	9.90157E-05	0.000105892	3.06028E-05	9.78712E-05	8.65776E-05	0.000102606	0.000109403	3.02895E-05	9.78712E-05	7.90295E-05	374
375	0.000100617	0.000107647	3.06778E-05	9.98767E-05	9.24412E-05	0.000104489	0.000111439	3.055E-05	9.98767E-05	8.36118E-05	375
376	0.000107563	0.000115108	3.24999E-05	0.000106671	9.08457E-05	0.000111681	0.000119131	3.24276E-05	0.000106671	8.19824E-05	376
377	0.000118975	0.000127392	3.5231E-05	0.000117266	8.97153E-05	0.000123262	0.000131537	3.52229E-05	0.000117266	8.08282E-05	377
378	0.000131626	0.000140705	4.12984E-05	0.000127269	8.88309E-05	0.00013507	0.000143986	4.02134E-05	0.000127269	7.99313E-05	378
379	0.000141509	0.000150729	4.97796E-05	0.000133308	7.35526E-05	0.000143195	0.000152283	4.65055E-05	0.000133308	6.71665E-05	379
380	0.000142423	0.000151377	5.33386E-05	0.00013239	6.07868E-05	0.000143058	0.000151914	4.88342E-05	0.00013239	5.70098E-05	380
381	0.000137831	0.000146422	5.23613E-05	0.000127031	5.2403E-05	0.000137894	0.000146371	4.76999E-05	0.000127031	4.98752E-05	381
382	0.000132082	0.000140548	4.78473E-05	0.000119936	4.66541E-05	0.000131516	0.000139737	4.40507E-05	0.000119936	4.54619E-05	382
383	0.000120308	0.000128252	4.12671E-05	0.000111323	4.56843E-05	0.000120915	0.000128628	3.88536E-05	0.000111323	4.44774E-05	383
384	0.00010996	0.000117616	3.37896E-05	0.000104553	4.53682E-05	0.000112095	0.00011951	3.32012E-05	0.000104553	4.41592E-05	384
385	9.5755E-05	0.000102768	2.59805E-05	9.3943E-05	4.44345E-05	9.91956E-05	0.000105983	2.69862E-05	9.3943E-05	4.32025E-05	385
386	9.37256E-05	0.000100812	2.32182E-05	9.35269E-05	4.49664E-05	9.79806E-05	0.000104831	2.51008E-05	9.35269E-05	4.37531E-05	386
387	9.27079E-05	9.97999E-05	2.21476E-05	9.35013E-05	4.50936E-05	9.74286E-05	0.000104291	2.4415E-05	9.35013E-05	4.38867E-05	387
388	9.46153E-05	0.000101877	2.23682E-05	9.63904E-05	4.65839E-05	9.98874E-05	0.000106935	2.49079E-05	9.63904E-05	4.54184E-05	388
389	9.99545E-05	0.000107553	2.43567E-05	0.000102133	4.89443E-05	0.000105603	0.000113003	2.68674E-05	0.000102133	4.78314E-05	389
390	0.000107074	0.000115092	2.73095E-05	0.000108286	4.97922E-05	0.000112522	0.000120332	2.94341E-05	0.000108286	4.8653E-05	390
391	0.000112907	0.000121131	3.10819E-05	0.000113206	9.60172E-05	0.000118027	0.000126076	3.23991E-05	0.000113206	8.73656E-05	391
392	0.000111167	0.000119069	3.25405E-05	0.000114166	9.57604E-05	0.000117275	0.000125154	3.34443E-05	0.000114166	8.70459E-05	392
393	0.000109842	0.000117575	3.29064E-05	0.000111912	9.63593E-05	0.000115414	0.000123119	3.34337E-05	0.000111912	8.76383E-05	393
394	0.000107075	0.000114506	3.31339E-05	0.000107821	9.60977E-05	0.000111848	0.000119247	3.31322E-05	0.000107821	8.73576E-05	394
395	0.000104491	0.000111657	3.31961E-05	0.000103845	9.56401E-05	0.000108461	0.000115581	3.27144E-05	0.000103845	8.68793E-05	395
396	0.000101895	0.000108914	3.20673E-05	0.000100698	8.78842E-05	0.000105535	0.000112486	3.15823E-05	0.000100698	8.03616E-05	396
397	9.98491E-05	0.000106715	3.15441E-05	9.83159E-05	8.7461E-05	0.000103244	0.000110037	3.09723E-05	9.83159E-05	7.99285E-05	397
398	9.90157E-05	0.000105892	3.06028E-05	9.78712E-05	8.65776E-05	0.000102606	0.000109403	3.02895E-05	9.78712E-05	7.90295E-05	398
399	0.000100617	0.000107647	3.06778E-05	9.98767E-05	9.24412E-05	0.000104489	0.000111439	3.055E-05	9.98767E-05	8.36118E-05	399
400	0.000107563	0.000115108	3.24999E-05	0.000106671	9.08457E-05	0.000111681	0.000119131	3.24276E-05	0.000106671	8.19824E-05	400
401	0.000118975	0.000127392	3.5231E-05	0.000117266	8.97153E-05	0.000123262	0.000131537	3.52229E-05	0.000117266	8.08282E-05	401
402	0.000131626	0.000140705	4.12984E-05	0.000127269	8.88309E-05	0.00013507	0.000143986	4.02134E-05	0.000127269	7.99313E-05	402
403	0.000141509	0.000150729	4.97796E-05	0.000133308	7.35526E-05	0.000143195	0.000152283	4.65055E-05	0.000133308	6.71665E-05	403
404	0.000142423	0.000151377	5.33386E-05	0.00013239	6.07868E-05	0.000143058	0.000151914	4.88342E-05	0.00013239	5.70098E-05	404
405	0.000137831	0.000146422	5.23613E-05	0.000127031	5.2403E-05	0.000137894	0.000146371	4.76999E-05	0.000127031	4.98752E-05	405
406	0.000132082	0.000140548	4.78473E-05	0.000119936	4.66541E-05	0.000131516	0.000139737	4.40507E-05	0.000119936	4.54619E-05	406
407	0.000120308	0.000128252	4.12671E-05	0.000111323	4.56843E-05	0.000120915	0.000128628	3.88536E-05	0.000111323	4.44774E-05	407
408	0.00010996	0.000117616	3.37896E-05	0.000104553	4.53682E-05	0.000112095	0.00011951	3.32012E-05	0.000104553	4.41592E-05	408
409	9.5755E-05	0.000102768	2.59805E-05	9.3943E-05	4.44345E-05	9.91956E-05	0.000105983	2.69862E-05	9.3943E-05	4.32025E-05	409
410	9.37256E-05	0.000100812	2.32182E-05	9.35269E-05	4.49664E-05	9.79806E-05	0.000104831	2.51008E-05	9.35269E-05	4.37531E-05	410
411	9.27079E-05	9.97999E-05	2.21476E-05	9.35013E-05	4.50936E-05	9.74286E-05	0.000104291	2.4415E-05	9.35013E-05	4.38867E-05	411
412	9.46153E-05	0.000101877	2.23682E-05	9.63904E-05	4.65839E-05	9.98874E-05	0.000106935	2.49079E-05	9.63904E-05	4.54184E-05	412
413	9.99545E-05	0.000107553	2.43567E-05	0.000102133	4.89443E-05	0.000105603	0.000113003	2.68674E-05	0.000102133	4.78314E-05	413
414	0.000107074	0.000115092	2.73095E-05	0.000108286	4.97922E-05	0.000112522	0.000120332	2.94341E-05	0.000108286	4.8653E-05	414
415	0.000112907	0.000121131	3.10819E-05	0.000113206	9.60172E-05	0.000118027	0.000126076	3.23991E-05	0.000113206	8.73656E-05	415
416	0.000111167	0.000119069	3.25405E-05	0.000114166	9.57604E-05	0.000117275	0.000125154	3.34443E-05	0.000114166	8.70459E-05	416
417	0.000109842	0.000117575	3.29064E-05	0.000111912	9.63593E-05	0.000115414	0.000123119	3.34337E-05	0.000111912	8.76383E-05	417
418	0.000107075	0.000114506	3.31339E-05	0.000107821	9.60977E-05	0.000111848	0.000119247	3.31322E-05	0.000107821	8.73576E-05	418
419	0.000104491	0.000111657	3.31961E-05	0.000103845	9.56401E-05	0.000108461	0.000115581	3.27144E-05	0.000103845	8.68793E-05	419
420	0.000101895	0.000108914	3.20673E-05	0.000100698	8.78842E-05	0.000105535	0.000112486	3.15823E-05	0.000100698	8.03616E-05	420
421	9.98491E-05	0.000106715	3.15441E-05	9.83159E-05	8.7461E-05	0.000103244	0.000110037	3.09723E-05	9.83159E-05	7.99285E-05	421
422	9.90157E-05	0.000105892	3.06028E-05	9.78712E-05	8.65776E-05	0.000102606	0.000109403	3.02895E-05	9.78712E-05	7.90295E-05	422
423	0.000100617	0.000107647	3.06778E-05	9.98767E-05	9.24412E-05	0.000104489	0.000111439	3.055E-05	9.98767E-05	8.36118E-05	423
424	0.000107563	0.000115108	3.24999E-05	0.000106671	9.08457E-05	0.000111681	0.000119131	3.24276E-05	0.000106671	8.19824E-05	424
425	0.000118975	0.000127392	3.5231E-05	0.000117266	8.97153E-05	0.000123262	0.000131537	3.52229E-05	0.000117266	8.08282E-05	425
426	0.000131626	0.000140705	4.12984E-05	0.000127269	8.88309E-05	0.00013507	0.000143986	4.02134E-05	0.000127269	7.99313E-05	426
427	0.000141509	0.000150729	4.97796E-05	0.000133308	7.35526E-05	0.000143195	0.000152283	4.65055E-05	0.000133308	6.71665E-05	427
428	0.000142423	0.000151377	5.33386E-05	0.00013239	6.07868E-05	0.000143058	0.000151914	4.88342E-05	0.00013239	5.70098E-05	428
429	0.000137831	0.000146422	5.23613E-05	0.000127031	5.2403E-05	0.000137894	0.000146371	4.76999E-05	0.000127031	4.98752E-05	429
430	0.000132082	0.000140548	4.78473E-05	0.000119936	4.66541E-05	0.000131516	0.000139737	4.40507E-05	0.000119936	4.54619E-05	430
431	0.000120308	0.000128252	4.12671E-05	0.000111323	4.56843E-05	0.000120915	0.000128628	3.88536E-05	0.000111323	4.44774E-05	431
432	0.00010996	0.000117616	3.37896E-05	0.000104553	4.53682E-05	0.000112095	0.00011951	3.32012E-05	0.000104553	4.41592E-05	432
433	9.62604E-05	0.000103313	2.60951E-05	9.45872E-05	4.51106E-05	9.97878E-05	0.000106617	2.71361E-05	9.45872E-05	4.39002E-05	433
434	9.31922E-05	0.000100236	2.31092E-05	9.29244E-05	4.46817E-05	9.73895E-05	0.000104197	2.49649E-05	9.29244E-05	4.34604E-05	434
435	9.22406E-05	9.92945E-05	2.20601E-05	9.30249E-05	4.48773E-05	9.69333E-05	0.000103759	2.43106E-05	9.30249E-05	4.36645E-05	435
436	9.40061E-05	0.000101219	2.22466E-05	9.57204E-05	4.62775E-05	9.92202E-05	0.000106219	2.47578E-05	9.57204E-05	4.51035E-05	436
437	9.92413E-05	0.000106782	2.42161E-05	0.000101361	4.85316E-05	0.000104827	0.000112171	2.66953E-05	0.000101361	4.74078E-05	437
438	0.000106407	0.00011437	2.71772E-05	0.000107559	4.93295E-05	0.000111794	0.00011955	2.92716E-05	0.000107559	4.81784E-05	438
439	0.000110685	0.000118706	3.08812E-05	0.000112235	9.53999E-05	0.00011624	0.000124142	3.21652E-05	0.000112235	8.67329E-05	439
440	0.000110342	0.000118179	3.23677E-05	0.000113207	9.50098E-05	0.000116349	0.000124162	3.32261E-05	0.000113207	8.6278E-05	440
441	0.000108965	0.000116628	3.2727E-05	0.00011092	9.55526E-05	0.000114442	0.000122077	3.32099E-05	0.00011092	8.68135E-05	441
442	0.000106362	0.000113739	3.29744E-05	0.000106926	9.53602E-05	0.000111019	0.00011836	3.29247E-05	0.000106926	8.66049E-05	442
443	0.000103907	0.000111029	3.30546E-05	0.000103042	9.47887E-05	0.000107751	0.000114821	3.25243E-05	0.000103042	8.60107E-05	443
444	0.000101297	0.000108269	3.19255E-05	9.98955E-05	8.70993E-05	0.000104816	0.000111717	3.13935E-05	9.98955E-05	7.95622E-05	444
445	9.92351E-05	0.000106054	3.13942E-05	9.74641E-05	8.66877E-05	0.000102494	0.000109235	3.07703E-05	9.74641E-05	7.9142E-05	445
446	9.84628E-05	0.000105297	3.04686E-05	9.71093E-05	8.58213E-05	0.000101933	0.000108684	3.01091E-05	9.71093E-05	7.82596E-05	446
447	9.99997E-05	0.000106982	3.05299E-05	9.90382E-05	9.17315E-05	0.000103743	0.000110642	3.0352E-05	9.90382E-05	8.28891E-05	447

448	0.000106867	0.000114358	3.23439E-05	0.000105795	9.02717E-05	0.000110871	0.000118263	3.22244E-05	0.000105795	8.13984E-05	448
449	0.000118078	0.000126423	3.50518E-05	0.00011628	8.92344E-05	0.000122279	0.000130483	3.50017E-05	0.00011628	8.03389E-05	449
450	0.000130558	0.00013955	4.10896E-05	0.000126123	8.83749E-05	0.000133913	0.000142744	3.99587E-05	0.000126123	7.94664E-05	450
451	0.00014036	0.000149487	4.95558E-05	0.000132082	7.31148E-05	0.000141953	0.00015095	4.6233E-05	0.000132082	6.67194E-05	451
452	0.000141296	0.000150159	5.31224E-05	0.000131208	6.03623E-05	0.000141849	0.000150617	4.85731E-05	0.000131208	5.65755E-05	452
453	0.000138409	0.000147069	5.22448E-05	0.000126266	5.19877E-05	0.000137913	0.000146406	4.75495E-05	0.000126266	4.94501E-05	453
454	0.00013136	0.000139769	4.76984E-05	0.000119111	4.62748E-05	0.000130712	0.000138875	4.3864E-05	0.000119111	4.50723E-05	454
455	0.000119649	0.000127541	4.11302E-05	0.000110564	4.53921E-05	0.000120179	0.000127839	3.86813E-05	0.000110564	4.41761E-05	455
456	0.000109443	0.000117058	3.36858E-05	0.000103981	4.52124E-05	0.000111527	0.000118901	3.30728E-05	0.000103981	4.39981E-05	456
457	9.62604E-05	0.000103313	2.60951E-05	9.45872E-05	4.51106E-05	9.97878E-05	0.000106617	2.71361E-05	9.45872E-05	4.39002E-05	457
458	9.31922E-05	0.000100236	2.31092E-05	9.29244E-05	4.46817E-05	9.73895E-05	0.000104197	2.49649E-05	9.29244E-05	4.34604E-05	458
459	9.22406E-05	9.92945E-05	2.20601E-05	9.30249E-05	4.48773E-05	9.69333E-05	0.000103759	2.43106E-05	9.30249E-05	4.36645E-05	459
460	9.40061E-05	0.000101219	2.22466E-05	9.57204E-05	4.62775E-05	9.92202E-05	0.000106219	2.47578E-05	9.57204E-05	4.51035E-05	460
461	9.92413E-05	0.000106782	2.42161E-05	0.000101361	4.85316E-05	0.000104827	0.000112171	2.66953E-05	0.000101361	4.74078E-05	461
462	0.000106407	0.00011437	2.71772E-05	0.000107559	4.93295E-05	0.000111794	0.00011955	2.92716E-05	0.000107559	4.81784E-05	462
463	0.000110685	0.000118706	3.08812E-05	0.000112235	9.53999E-05	0.00011624	0.000124142	3.21652E-05	0.000112235	8.67329E-05	463
464	0.000110342	0.000118179	3.23677E-05	0.000113207	9.50098E-05	0.000116349	0.000124162	3.32261E-05	0.000113207	8.6278E-05	464
465	0.000108965	0.000116628	3.2727E-05	0.00011092	9.55526E-05	0.000114442	0.000122077	3.32099E-05	0.00011092	8.68135E-05	465
466	0.000106362	0.000113739	3.29744E-05	0.000106926	9.53602E-05	0.000111019	0.00011836	3.29247E-05	0.000106926	8.66049E-05	466
467	0.000103907	0.000111029	3.30546E-05	0.000103042	9.47887E-05	0.000107751	0.000114821	3.25243E-05	0.000103042	8.60107E-05	467
468	0.000101297	0.000108269	3.19255E-05	9.98955E-05	8.70993E-05	0.000104816	0.000111717	3.13935E-05	9.98955E-05	7.95622E-05	468
469	9.92351E-05	0.000106054	3.13942E-05	9.74641E-05	8.66877E-05	0.000102494	0.000109235	3.07703E-05	9.74641E-05	7.9142E-05	469
470	9.84628E-05	0.000105297	3.04686E-05	9.71093E-05	8.58213E-05	0.000101933	0.000108684	3.01091E-05	9.71093E-05	7.82596E-05	470
471	9.99997E-05	0.000106982	3.05299E-05	9.90382E-05	9.17315E-05	0.000103743	0.000110642	3.0352E-05	9.90382E-05	8.28891E-05	471
472	0.000106867	0.000114358	3.23439E-05	0.000105795	9.02717E-05	0.000110871	0.000118263	3.22244E-05	0.000105795	8.13984E-05	472
473	0.000118078	0.000126423	3.50518E-05	0.00011628	8.92344E-05	0.000122279	0.000130483	3.50017E-05	0.00011628	8.03389E-05	473
474	0.000130558	0.00013955	4.10896E-05	0.000126123	8.83749E-05	0.000133913	0.000142744	3.99587E-05	0.000126123	7.94664E-05	474
475	0.00014036	0.000149487	4.95558E-05	0.000132082	7.31148E-05	0.000141953	0.00015095	4.6233E-05	0.000132082	6.67194E-05	475
476	0.000141296	0.000150159	5.31224E-05	0.000131208	6.03623E-05	0.000141849	0.000150617	4.85731E-05	0.000131208	5.65755E-05	476
477	0.000138409	0.000147069	5.22448E-05	0.000126266	5.19877E-05	0.000137913	0.000146406	4.75495E-05	0.000126266	4.94501E-05	477
478	0.00013136	0.000139769	4.76984E-05	0.000119111	4.62748E-05	0.000130712	0.000138875	4.3864E-05	0.000119111	4.50723E-05	478
479	0.000119649	0.000127541	4.11302E-05	0.000110564	4.53921E-05	0.000120179	0.000127839	3.86813E-05	0.000110564	4.41761E-05	479
480	0.000109443	0.000117058	3.36858E-05	0.000103981	4.52124E-05	0.000111527	0.000118901	3.30728E-05	0.000103981	4.39981E-05	480
481	9.62604E-05	0.000103313	2.60951E-05	9.45872E-05	4.51106E-05	9.97878E-05	0.000106617	2.71361E-05	9.45872E-05	4.39002E-05	481
482	9.31922E-05	0.000100236	2.31092E-05	9.29244E-05	4.46817E-05	9.73895E-05	0.000104197	2.49649E-05	9.29244E-05	4.34604E-05	482
483	9.22406E-05	9.92945E-05	2.20601E-05	9.30249E-05	4.48773E-05	9.69333E-05	0.000103759	2.43106E-05	9.30249E-05	4.36645E-05	483
484	9.40061E-05	0.000101219	2.22466E-05	9.57204E-05	4.62775E-05	9.92202E-05	0.000106219	2.47578E-05	9.57204E-05	4.51035E-05	484
485	9.92413E-05	0.000106782	2.42161E-05	0.000101361	4.85316E-05	0.000104827	0.000112171	2.66953E-05	0.000101361	4.74078E-05	485
486	0.000106407	0.00011437	2.71772E-05	0.000107559	4.93295E-05	0.000111794	0.00011955	2.92716E-05	0.000107559	4.81784E-05	486
487	0.000110685	0.000118706	3.08812E-05	0.000112235	9.53999E-05	0.00011624	0.000124142	3.21652E-05	0.000112235	8.67329E-05	487
488	0.000110342	0.000118179	3.23677E-05	0.000113207	9.50098E-05	0.000116349	0.000124162	3.32261E-05	0.000113207	8.6278E-05	488
489	0.000108965	0.000116628	3.2727E-05	0.00011092	9.55526E-05	0.000114442	0.000122077	3.32099E-05	0.00011092	8.68135E-05	489
490	0.000106362	0.000113739	3.29744E-05	0.000106926	9.53602E-05	0.000111019	0.00011836	3.29247E-05	0.000106926	8.66049E-05	490
491	0.000103907	0.000111029	3.30546E-05	0.000103042	9.47887E-05	0.000107751	0.000114821	3.25243E-05	0.000103042	8.60107E-05	491
492	0.000101297	0.000108269	3.19255E-05	9.98955E-05	8.70993E-05	0.000104816	0.000111717	3.13935E-05	9.98955E-05	7.95622E-05	492
493	9.92351E-05	0.000106054	3.13942E-05	9.74641E-05	8.66877E-05	0.000102494	0.000109235	3.07703E-05	9.74641E-05	7.9142E-05	493
494	9.84628E-05	0.000105297	3.04686E-05	9.71093E-05	8.58213E-05	0.000101933	0.000108684	3.01091E-05	9.71093E-05	7.82596E-05	494
495	9.99997E-05	0.000106982	3.05299E-05	9.90382E-05	9.17315E-05	0.000103743	0.000110642	3.0352E-05	9.90382E-05	8.28891E-05	495
496	0.000106867	0.000114358	3.23439E-05	0.000105795	9.02717E-05	0.000110871	0.000118263	3.22244E-05	0.000105795	8.13984E-05	496
497	0.000118078	0.000126423	3.50518E-05	0.00011628	8.92344E-05	0.000122279	0.000130483	3.50017E-05	0.00011628	8.03389E-05	497
498	0.000130558	0.00013955	4.10896E-05	0.000126123	8.83749E-05	0.000133913	0.000142744	3.99587E-05	0.000126123	7.94664E-05	498
499	0.00014036	0.000149487	4.95558E-05	0.000132082	7.31148E-05	0.000141953	0.00015095	4.6233E-05	0.000132082	6.67194E-05	499
500	0.000141296	0.000150159	5.31224E-05	0.000131208	6.03623E-05	0.000141849	0.000150617	4.85731E-05	0.000131208	5.65755E-05	500
501	0.000138409	0.000147069	5.22448E-05	0.000126266	5.19877E-05	0.000137913	0.000146406	4.75495E-05	0.000126266	4.94501E-05	501
502	0.00013136	0.000139769	4.76984E-05	0.000119111	4.62748E-05	0.000130712	0.000138875	4.3864E-05	0.000119111	4.50723E-05	502
503	0.000119649	0.000127541	4.11302E-05	0.000110564	4.53921E-05	0.000120179	0.000127839	3.86813E-05	0.000110564	4.41761E-05	503
504	0.000109443	0.000117058	3.36858E-05	0.000103981	4.52124E-05	0.000111527	0.000118901	3.30728E-05	0.000103981	4.39981E-05	504
505	9.62604E-05	0.000103313	2.60951E-05	9.45872E-05	4.51106E-05	9.97878E-05	0.000106617	2.71361E-05	9.45872E-05	4.39002E-05	505
506	9.31922E-05	0.000100236	2.31092E-05	9.29244E-05	4.46817E-05	9.73895E-05	0.000104197	2.49649E-05	9.29244E-05	4.34604E-05	506
507	9.22406E-05	9.92945E-05	2.20601E-05	9.30249E-05	4.48773E-05	9.69333E-05	0.000103759	2.43106E-05	9.30249E-05	4.36645E-05	507
508	9.40061E-05	0.000101219	2.22466E-05	9.57204E-05	4.62775E-05	9.92202E-05	0.000106219	2.47578E-05	9.57204E-05	4.51035E-05	508
509	9.92413E-05	0.000106782	2.42161E-05	0.000101361	4.85316E-05	0.000104827	0.000112171	2.66953E-05	0.000101361	4.74078E-05	509
510	0.000106407	0.00011437	2.71772E-05	0.000107559	4.93295E-05	0.000111794	0.00011955	2.92716E-05	0.000107559	4.81784E-05	510
511	0.000110685	0.000118706	3.08812E-05	0.000112235	9.53999E-05	0.00011624	0.000124142	3.21652E-05	0.000112235	8.67329E-05	511
512	0.000110342	0.000118179	3.23677E-05	0.000113207	9.50098E-05	0.000116349	0.000124162	3.32261E-05	0.000113207	8.6278E-05	512
513	0.000108965	0.000116628	3.2727E-05	0.00011092	9.55526E-05	0.000114442	0.000122077	3.32099E-05	0.00011092	8.68135E-05	513
514	0.000106362	0.000113739	3.29744E-05	0.000106926	9.53602E-05	0.000111019	0.00011836	3.29247E-05	0.000106926	8.66049E-05	514
515	0.000103907	0.000111029	3.30546E-05	0.000103042	9.47887E-05	0.000107751	0.000114821	3.25243E-05	0.000103042	8.60107E-05	515
516	0.000101297	0.000108269	3.19255E-05	9.98955E-05	8.70993E-05	0.000104816	0.000111717	3.13935E-05	9.98955E-05	7.95622E-05	516
517	9.92351E-05	0.000106054	3.13942E-05	9.74641E-05	8.66877E-05	0.000102494	0.000109235	3.07703E-05	9.74641E-05	7.9142E-05	517
518	9.84628E-05	0.000105297	3.04686E-05	9.71093E-05	8.58213E-05	0.000101933	0.000108684	3.01091E-05	9.71093E-05	7.82596E-05	518
519	9.99997E-05	0.000106982	3.05299E-05	9.90382E-05	9.17315E-05	0.000103743	0.000110642	3.0352E-05	9.90382E-05	8.28891E-05	519
520	0.000106867	0.000114358	3.23439E-05	0.000105795	9.02717E-05	0.000110871	0.000118263	3.22244E-05	0.000105795	8.13984E-05	520
521	0.000118078	0.000126423	3.50518E-05	0.00011628	8.92344E-05	0.000122279	0.000130483	3.50017E-05	0.00011628	8.03389E-05	521
522	0.000130558	0.00013955	4.10896E-05	0.000126123	8.83749E-05	0.000133913	0.000142744	3.99587E-05	0.000126123	7.94664E-05	522
523	0.00014036	0.000149487	4.95558E-05	0.000132082	7.31148E-05	0.000141953	0.00015095	4.6233E-05	0.000132082	6.67194E-05	523

524	0.000141296	0.000150159	5.31224E-05	0.000131208	6.03623E-05	0.000141849	0.000150617	4.85731E-05	0.000131208	5.65755E-05	524
525	0.000138409	0.000147069	5.22448E-05	0.000126266	5.19877E-05	0.000137913	0.000146406	4.75495E-05	0.000126266	4.94501E-05	525
526	0.00013136	0.000139769	4.76984E-05	0.000119111	4.62748E-05	0.000130712	0.000138875	4.3864E-05	0.000119111	4.50723E-05	526
527	0.000119649	0.000127541	4.11302E-05	0.000110564	4.53921E-05	0.000120179	0.000127839	3.86813E-05	0.000110564	4.41761E-05	527
528	0.000109443	0.000117058	3.36858E-05	0.000103981	4.52124E-05	0.000111527	0.000118901	3.30728E-05	0.000103981	4.39981E-05	528
529	9.5755E-05	0.000102768	2.59805E-05	9.3943E-05	4.44345E-05	9.91956E-05	0.000105983	2.69862E-05	9.3943E-05	4.32025E-05	529
530	9.37256E-05	0.000100812	2.32182E-05	9.35269E-05	4.49664E-05	9.79806E-05	0.000104831	2.51008E-05	9.35269E-05	4.37531E-05	530
531	9.27079E-05	9.97999E-05	2.21476E-05	9.35013E-05	4.50936E-05	9.74286E-05	0.000104291	2.4415E-05	9.35013E-05	4.38867E-05	531
532	9.46153E-05	0.000101877	2.23682E-05	9.63904E-05	4.65839E-05	9.98874E-05	0.000106935	2.49079E-05	9.63904E-05	4.54184E-05	532
533	9.99545E-05	0.000107553	2.43567E-05	0.000102133	4.89443E-05	0.000105603	0.000113003	2.68674E-05	0.000102133	4.78314E-05	533
534	0.000107074	0.000115092	2.73095E-05	0.000108286	4.97922E-05	0.000112522	0.000120332	2.94341E-05	0.000108286	4.8653E-05	534
535	0.000112907	0.000121131	3.10819E-05	0.000113206	9.60172E-05	0.000118027	0.000126076	3.23991E-05	0.000113206	8.73656E-05	535
536	0.000111167	0.000119069	3.25405E-05	0.000114166	9.57604E-05	0.000117275	0.000125154	3.34443E-05	0.000114166	8.70459E-05	536
537	0.000109842	0.000117575	3.29064E-05	0.000111912	9.63593E-05	0.000115414	0.000123119	3.34337E-05	0.000111912	8.76383E-05	537
538	0.000107075	0.000114506	3.31339E-05	0.000107821	9.60977E-05	0.000111848	0.000119247	3.31322E-05	0.000107821	8.73576E-05	538
539	0.000104491	0.000111657	3.31961E-05	0.000103845	9.56401E-05	0.000108461	0.000115581	3.27144E-05	0.000103845	8.68793E-05	539
540	0.000101895	0.000108914	3.20673E-05	0.000100698	8.78842E-05	0.000105535	0.000112486	3.15823E-05	0.000100698	8.03616E-05	540
541	9.98491E-05	0.000106715	3.15441E-05	9.83159E-05	8.7461E-05	0.000103244	0.000110037	3.09723E-05	9.83159E-05	7.99285E-05	541
542	9.90157E-05	0.000105892	3.06028E-05	9.78712E-05	8.65776E-05	0.000102606	0.000109403	3.02895E-05	9.78712E-05	7.90295E-05	542
543	0.000100617	0.000107647	3.06778E-05	9.98767E-05	9.24412E-05	0.000104489	0.000111439	3.055E-05	9.98767E-05	8.36118E-05	543
544	0.000107563	0.000115108	3.24999E-05	0.000106671	9.08457E-05	0.000111681	0.000119131	3.24276E-05	0.000106671	8.19824E-05	544
545	0.000118975	0.000127392	3.5231E-05	0.000117266	8.97153E-05	0.000123262	0.000131537	3.52229E-05	0.000117266	8.08282E-05	545
546	0.000131626	0.000140705	4.12984E-05	0.000127269	8.88309E-05	0.00013507	0.000143986	4.02134E-05	0.000127269	7.99313E-05	546
547	0.000141509	0.000150729	4.97796E-05	0.000133308	7.35526E-05	0.000143195	0.000152283	4.65055E-05	0.000133308	6.71665E-05	547
548	0.000142423	0.000151377	5.33386E-05	0.00013239	6.07868E-05	0.000143058	0.000151914	4.88342E-05	0.00013239	5.70098E-05	548
549	0.000137831	0.000146422	5.23613E-05	0.000127031	5.2403E-05	0.000137894	0.000146371	4.76999E-05	0.000127031	4.98752E-05	549
550	0.000132082	0.000140548	4.78473E-05	0.000119936	4.66541E-05	0.000131516	0.000139737	4.40507E-05	0.000119936	4.54619E-05	550
551	0.000120308	0.000128252	4.12671E-05	0.000111323	4.56843E-05	0.000120915	0.000128628	3.88536E-05	0.000111323	4.44774E-05	551
552	0.00010996	0.000117616	3.37896E-05	0.000104553	4.53682E-05	0.000112095	0.00011951	3.32012E-05	0.000104553	4.41592E-05	552
553	9.5755E-05	0.000102768	2.59805E-05	9.3943E-05	4.44345E-05	9.91956E-05	0.000105983	2.69862E-05	9.3943E-05	4.32025E-05	553
554	9.37256E-05	0.000100812	2.32182E-05	9.35269E-05	4.49664E-05	9.79806E-05	0.000104831	2.51008E-05	9.35269E-05	4.37531E-05	554
555	9.27079E-05	9.97999E-05	2.21476E-05	9.35013E-05	4.50936E-05	9.74286E-05	0.000104291	2.4415E-05	9.35013E-05	4.38867E-05	555
556	9.46153E-05	0.000101877	2.23682E-05	9.63904E-05	4.65839E-05	9.98874E-05	0.000106935	2.49079E-05	9.63904E-05	4.54184E-05	556
557	9.99545E-05	0.000107553	2.43567E-05	0.000102133	4.89443E-05	0.000105603	0.000113003	2.68674E-05	0.000102133	4.78314E-05	557
558	0.000107074	0.000115092	2.73095E-05	0.000108286	4.97922E-05	0.000112522	0.000120332	2.94341E-05	0.000108286	4.8653E-05	558
559	0.000112907	0.000121131	3.10819E-05	0.000113206	9.60172E-05	0.000118027	0.000126076	3.23991E-05	0.000113206	8.73656E-05	559
560	0.000111167	0.000119069	3.25405E-05	0.000114166	9.57604E-05	0.000117275	0.000125154	3.34443E-05	0.000114166	8.70459E-05	560
561	0.000109842	0.000117575	3.29064E-05	0.000111912	9.63593E-05	0.000115414	0.000123119	3.34337E-05	0.000111912	8.76383E-05	561
562	0.000107075	0.000114506	3.31339E-05	0.000107821	9.60977E-05	0.000111848	0.000119247	3.31322E-05	0.000107821	8.73576E-05	562
563	0.000104491	0.000111657	3.31961E-05	0.000103845	9.56401E-05	0.000108461	0.000115581	3.27144E-05	0.000103845	8.68793E-05	563
564	0.000101895	0.000108914	3.20673E-05	0.000100698	8.78842E-05	0.000105535	0.000112486	3.15823E-05	0.000100698	8.03616E-05	564
565	9.98491E-05	0.000106715	3.15441E-05	9.83159E-05	8.7461E-05	0.000103244	0.000110037	3.09723E-05	9.83159E-05	7.99285E-05	565
566	9.90157E-05	0.000105892	3.06028E-05	9.78712E-05	8.65776E-05	0.000102606	0.000109403	3.02895E-05	9.78712E-05	7.90295E-05	566
567	0.000100617	0.000107647	3.06778E-05	9.98767E-05	9.24412E-05	0.000104489	0.000111439	3.055E-05	9.98767E-05	8.36118E-05	567
568	0.000107563	0.000115108	3.24999E-05	0.000106671	9.08457E-05	0.000111681	0.000119131	3.24276E-05	0.000106671	8.19824E-05	568
569	0.000118975	0.000127392	3.5231E-05	0.000117266	8.97153E-05	0.000123262	0.000131537	3.52229E-05	0.000117266	8.08282E-05	569
570	0.000131626	0.000140705	4.12984E-05	0.000127269	8.88309E-05	0.00013507	0.000143986	4.02134E-05	0.000127269	7.99313E-05	570
571	0.000141509	0.000150729	4.97796E-05	0.000133308	7.35526E-05	0.000143195	0.000152283	4.65055E-05	0.000133308	6.71665E-05	571
572	0.000142423	0.000151377	5.33386E-05	0.00013239	6.07868E-05	0.000143058	0.000151914	4.88342E-05	0.00013239	5.70098E-05	572
573	0.000137831	0.000146422	5.23613E-05	0.000127031	5.2403E-05	0.000137894	0.000146371	4.76999E-05	0.000127031	4.98752E-05	573
574	0.000132082	0.000140548	4.78473E-05	0.000119936	4.66541E-05	0.000131516	0.000139737	4.40507E-05	0.000119936	4.54619E-05	574
575	0.000120308	0.000128252	4.12671E-05	0.000111323	4.56843E-05	0.000120915	0.000128628	3.88536E-05	0.000111323	4.44774E-05	575
576	0.00010996	0.000117616	3.37896E-05	0.000104553	4.53682E-05	0.000112095	0.00011951	3.32012E-05	0.000104553	4.41592E-05	576
577	9.62604E-05	0.000103313	2.60951E-05	9.45872E-05	4.51106E-05	9.97878E-05	0.000106617	2.71361E-05	9.45872E-05	4.39002E-05	577
578	9.31922E-05	0.000100236	2.31092E-05	9.29244E-05	4.46817E-05	9.73895E-05	0.000104197	2.49649E-05	9.29244E-05	4.34604E-05	578
579	9.22406E-05	9.92945E-05	2.20601E-05	9.30249E-05	4.48773E-05	9.69333E-05	0.000103759	2.43106E-05	9.30249E-05	4.36645E-05	579
580	9.40061E-05	0.000101219	2.22466E-05	9.57204E-05	4.62775E-05	9.92202E-05	0.000106219	2.47578E-05	9.57204E-05	4.51035E-05	580
581	9.92413E-05	0.000106782	2.42161E-05	0.000101361	4.85316E-05	0.000104827	0.000112171	2.66953E-05	0.000101361	4.74078E-05	581
582	0.000106407	0.00011437	2.71772E-05	0.000107559	4.93295E-05	0.000111794	0.00011955	2.92716E-05	0.000107559	4.81784E-05	582
583	0.000110685	0.000118706	3.08812E-05	0.000112235	9.53999E-05	0.00011624	0.000124142	3.21652E-05	0.000112235	8.67329E-05	583
584	0.000110342	0.000118179	3.23677E-05	0.000113207	9.50098E-05	0.000116349	0.000124162	3.32261E-05	0.000113207	8.6278E-05	584
585	0.000108965	0.000116628	3.2727E-05	0.00011092	9.55526E-05	0.000114442	0.000122077	3.32099E-05	0.00011092	8.68135E-05	585
586	0.000106362	0.000113739	3.29744E-05	0.000106926	9.53602E-05	0.000111019	0.00011836	3.29247E-05	0.000106926	8.66049E-05	586
587	0.000103907	0.000111029	3.30546E-05	0.000103042	9.47887E-05	0.000107751	0.000114821	3.25243E-05	0.000103042	8.60107E-05	587
588	0.000101297	0.000108269	3.19255E-05	9.98955E-05	8.70993E-05	0.000104816	0.000111717	3.13935E-05	9.98955E-05	7.95622E-05	588
589	9.92351E-05	0.000106054	3.13942E-05	9.74641E-05	8.66877E-05	0.000102494	0.000109235	3.07703E-05	9.74641E-05	7.9142E-05	589
590	9.84628E-05	0.000105297	3.04686E-05	9.71093E-05	8.58213E-05	0.000101933	0.000108684	3.01091E-05	9.71093E-05	7.82596E-05	590
591	9.99997E-05	0.000106982	3.05299E-05	9.90382E-05	9.17315E-05	0.000103743	0.000110642	3.0352E-05	9.90382E-05	8.28891E-05	591
592	0.000106867	0.000114358	3.23439E-05	0.000105795	9.02717E-05	0.000110871	0.000118263	3.22244E-05	0.000105795	8.13984E-05	592
593	0.000118078	0.000126423	3.50518E-05	0.00011628	8.92344E-05	0.000122279	0.000130483	3.50017E-05	0.00011628	8.03389E-05	593
594	0.000130558	0.00013955	4.10896E-05	0.000126123	8.83749E-05	0.000133913	0.000142744	3.99587E-05	0.000126123	7.94664E-05	594
595	0.00014036	0.000149487	4.95558E-05	0.000132082	7.31148E-05	0.000141953	0.00015095	4.6233E-05	0.000132082	6.67194E-05	595
596	0.000141296	0.000150159	5.31224E-05	0.000131208	6.03623E-05	0.000141849	0.000150617	4.85731E-05	0.000131208	5.65755E-05	596
597	0.000138409	0.000147069	5.22448E-05	0.000126266	5.19877E-05	0.000137913	0.000146406	4.75495E-05	0.000126266	4.94501E-05	597
598	0.00013136	0.000139769	4.76984E-05	0.000119111	4.62748E-05	0.000130712	0.000138875	4.3864E-05	0.000119111	4.50723E-05	598
599	0.000119649	0.000127541	4.11302E-05	0.000110564	4.53921E-05	0.000120179	0.000127839	3.86813E-05	0.000110564	4.41761E-05	599

600	0.000109443	0.000117058	3.36858E-05	0.000103981	4.52124E-05	0.000111527	0.000118901	3.30728E-05	0.000103981	4.39981E-05	**600**
601	9.62604E-05	0.000103313	2.60951E-05	9.45872E-05	4.51106E-05	9.97878E-05	0.000106617	2.71361E-05	9.45872E-05	4.39002E-05	**601**
602	9.31922E-05	0.000100236	2.31092E-05	9.29244E-05	4.46817E-05	9.73895E-05	0.000104197	2.49649E-05	9.29244E-05	4.34604E-05	**602**
603	9.22406E-05	9.92945E-05	2.20601E-05	9.30249E-05	4.48773E-05	9.69333E-05	0.000103759	2.43106E-05	9.30249E-05	4.36645E-05	**603**
604	9.40061E-05	0.000101219	2.22466E-05	9.57204E-05	4.62775E-05	9.92202E-05	0.000106219	2.47578E-05	9.57204E-05	4.51035E-05	**604**
605	9.92413E-05	0.000106782	2.42161E-05	0.000101361	4.85316E-05	0.000104827	0.000112171	2.66953E-05	0.000101361	4.74078E-05	**605**
606	0.000106407	0.00011437	2.71772E-05	0.000107559	4.93295E-05	0.000111794	0.00011955	2.92716E-05	0.000107559	4.81784E-05	**606**
607	0.000110685	0.000118706	3.08812E-05	0.000112235	9.53999E-05	0.00011624	0.000124142	3.21652E-05	0.000112235	8.67329E-05	**607**
608	0.000110342	0.000118179	3.23677E-05	0.000113207	9.50098E-05	0.000116349	0.000124162	3.32261E-05	0.000113207	8.6278E-05	**608**
609	0.000108965	0.000116628	3.2727E-05	0.00011092	9.55526E-05	0.000114442	0.000122077	3.32099E-05	0.00011092	8.68135E-05	**609**
610	0.000106362	0.000113739	3.29744E-05	0.000106926	9.53602E-05	0.000111019	0.00011836	3.29247E-05	0.000106926	8.66049E-05	**610**
611	0.000103907	0.000111029	3.30546E-05	0.000103042	9.47887E-05	0.000107751	0.000114821	3.25243E-05	0.000103042	8.60107E-05	**611**
612	0.000101297	0.000108269	3.19255E-05	9.98955E-05	8.70993E-05	0.000104816	0.000111717	3.13935E-05	9.98955E-05	7.95622E-05	**612**
613	9.92351E-05	0.000106054	3.13942E-05	9.74641E-05	8.66877E-05	0.000102494	0.000109235	3.07703E-05	9.74641E-05	7.9142E-05	**613**
614	9.84628E-05	0.000105297	3.04686E-05	9.71093E-05	8.58213E-05	0.000101933	0.000108684	3.01091E-05	9.71093E-05	7.82596E-05	**614**
615	9.99997E-05	0.000106982	3.05299E-05	9.90382E-05	9.17315E-05	0.000103743	0.000110642	3.0352E-05	9.90382E-05	8.28891E-05	**615**
616	0.000106867	0.000114358	3.23439E-05	0.000105795	9.02717E-05	0.000110871	0.000118263	3.22244E-05	0.000105795	8.13984E-05	**616**
617	0.000118078	0.000126423	3.50518E-05	0.00011628	8.92344E-05	0.000122279	0.000130483	3.50017E-05	0.00011628	8.03389E-05	**617**
618	0.000130558	0.00013955	4.10896E-05	0.000126123	8.83749E-05	0.000133913	0.000142744	3.99587E-05	0.000126123	7.94664E-05	**618**
619	0.00014036	0.000149487	4.95558E-05	0.000132082	7.31148E-05	0.000141953	0.00015095	4.6233E-05	0.000132082	6.67194E-05	**619**
620	0.000141296	0.000150159	5.31224E-05	0.000131208	6.03623E-05	0.000141849	0.000150617	4.85731E-05	0.000131208	5.65755E-05	**620**
621	0.000138409	0.000147069	5.22448E-05	0.000126266	5.19877E-05	0.000137913	0.000146406	4.75495E-05	0.000126266	4.94501E-05	**621**
622	0.00013136	0.000139769	4.76984E-05	0.000119111	4.62748E-05	0.000130712	0.000138875	4.3864E-05	0.000119111	4.50723E-05	**622**
623	0.000119649	0.000127541	4.11302E-05	0.000110564	4.53921E-05	0.000120179	0.000127839	3.86813E-05	0.000110564	4.41761E-05	**623**
624	0.000109443	0.000117058	3.36858E-05	0.000103981	4.52124E-05	0.000111527	0.000118901	3.30728E-05	0.000103981	4.39981E-05	**624**
625	9.62604E-05	0.000103313	2.60951E-05	9.45872E-05	4.51106E-05	9.97878E-05	0.000106617	2.71361E-05	9.45872E-05	4.39002E-05	**625**
626	9.31922E-05	0.000100236	2.31092E-05	9.29244E-05	4.46817E-05	9.73895E-05	0.000104197	2.49649E-05	9.29244E-05	4.34604E-05	**626**
627	9.22406E-05	9.92945E-05	2.20601E-05	9.30249E-05	4.48773E-05	9.69333E-05	0.000103759	2.43106E-05	9.30249E-05	4.36645E-05	**627**
628	9.40061E-05	0.000101219	2.22466E-05	9.57204E-05	4.62775E-05	9.92202E-05	0.000106219	2.47578E-05	9.57204E-05	4.51035E-05	**628**
629	9.92413E-05	0.000106782	2.42161E-05	0.000101361	4.85316E-05	0.000104827	0.000112171	2.66953E-05	0.000101361	4.74078E-05	**629**
630	0.000106407	0.00011437	2.71772E-05	0.000107559	4.93295E-05	0.000111794	0.00011955	2.92716E-05	0.000107559	4.81784E-05	**630**
631	0.000110685	0.000118706	3.08812E-05	0.000112235	9.53999E-05	0.00011624	0.000124142	3.21652E-05	0.000112235	8.67329E-05	**631**
632	0.000110342	0.000118179	3.23677E-05	0.000113207	9.50098E-05	0.000116349	0.000124162	3.32261E-05	0.000113207	8.6278E-05	**632**
633	0.000108965	0.000116628	3.2727E-05	0.00011092	9.55526E-05	0.000114442	0.000122077	3.32099E-05	0.00011092	8.68135E-05	**633**
634	0.000106362	0.000113739	3.29744E-05	0.000106926	9.53602E-05	0.000111019	0.00011836	3.29247E-05	0.000106926	8.66049E-05	**634**
635	0.000103907	0.000111029	3.30546E-05	0.000103042	9.47887E-05	0.000107751	0.000114821	3.25243E-05	0.000103042	8.60107E-05	**635**
636	0.000101297	0.000108269	3.19255E-05	9.98955E-05	8.70993E-05	0.000104816	0.000111717	3.13935E-05	9.98955E-05	7.95622E-05	**636**
637	9.92351E-05	0.000106054	3.13942E-05	9.74641E-05	8.66877E-05	0.000102494	0.000109235	3.07703E-05	9.74641E-05	7.9142E-05	**637**
638	9.84628E-05	0.000105297	3.04686E-05	9.71093E-05	8.58213E-05	0.000101933	0.000108684	3.01091E-05	9.71093E-05	7.82596E-05	**638**
639	9.99997E-05	0.000106982	3.05299E-05	9.90382E-05	9.17315E-05	0.000103743	0.000110642	3.0352E-05	9.90382E-05	8.28891E-05	**639**
640	0.000106867	0.000114358	3.23439E-05	0.000105795	9.02717E-05	0.000110871	0.000118263	3.22244E-05	0.000105795	8.13984E-05	**640**
641	0.000118078	0.000126423	3.50518E-05	0.00011628	8.92344E-05	0.000122279	0.000130483	3.50017E-05	0.00011628	8.03389E-05	**641**
642	0.000130558	0.00013955	4.10896E-05	0.000126123	8.83749E-05	0.000133913	0.000142744	3.99587E-05	0.000126123	7.94664E-05	**642**
643	0.00014036	0.000149487	4.95558E-05	0.000132082	7.31148E-05	0.000141953	0.00015095	4.6233E-05	0.000132082	6.67194E-05	**643**
644	0.000141296	0.000150159	5.31224E-05	0.000131208	6.03623E-05	0.000141849	0.000150617	4.85731E-05	0.000131208	5.65755E-05	**644**
645	0.000138409	0.000147069	5.22448E-05	0.000126266	5.19877E-05	0.000137913	0.000146406	4.75495E-05	0.000126266	4.94501E-05	**645**
646	0.00013136	0.000139769	4.76984E-05	0.000119111	4.62748E-05	0.000130712	0.000138875	4.3864E-05	0.000119111	4.50723E-05	**646**
647	0.000119649	0.000127541	4.11302E-05	0.000110564	4.53921E-05	0.000120179	0.000127839	3.86813E-05	0.000110564	4.41761E-05	**647**
648	0.000109443	0.000117058	3.36858E-05	0.000103981	4.52124E-05	0.000111527	0.000118901	3.30728E-05	0.000103981	4.39981E-05	**648**
649	9.62604E-05	0.000103313	2.60951E-05	9.45872E-05	4.51106E-05	9.97878E-05	0.000106617	2.71361E-05	9.45872E-05	4.39002E-05	**649**
650	9.31922E-05	0.000100236	2.31092E-05	9.29244E-05	4.46817E-05	9.73895E-05	0.000104197	2.49649E-05	9.29244E-05	4.34604E-05	**650**
651	9.22406E-05	9.92945E-05	2.20601E-05	9.30249E-05	4.48773E-05	9.69333E-05	0.000103759	2.43106E-05	9.30249E-05	4.36645E-05	**651**
652	9.40061E-05	0.000101219	2.22466E-05	9.57204E-05	4.62775E-05	9.92202E-05	0.000106219	2.47578E-05	9.57204E-05	4.51035E-05	**652**
653	9.92413E-05	0.000106782	2.42161E-05	0.000101361	4.85316E-05	0.000104827	0.000112171	2.66953E-05	0.000101361	4.74078E-05	**653**
654	0.000106407	0.00011437	2.71772E-05	0.000107559	4.93295E-05	0.000111794	0.00011955	2.92716E-05	0.000107559	4.81784E-05	**654**
655	0.000110685	0.000118706	3.08812E-05	0.000112235	9.53999E-05	0.00011624	0.000124142	3.21652E-05	0.000112235	8.67329E-05	**655**
656	0.000110342	0.000118179	3.23677E-05	0.000113207	9.50098E-05	0.000116349	0.000124162	3.32261E-05	0.000113207	8.6278E-05	**656**
657	0.000108965	0.000116628	3.2727E-05	0.00011092	9.55526E-05	0.000114442	0.000122077	3.32099E-05	0.00011092	8.68135E-05	**657**
658	0.000106362	0.000113739	3.29744E-05	0.000106926	9.53602E-05	0.000111019	0.00011836	3.29247E-05	0.000106926	8.66049E-05	**658**
659	0.000103907	0.000111029	3.30546E-05	0.000103042	9.47887E-05	0.000107751	0.000114821	3.25243E-05	0.000103042	8.60107E-05	**659**
660	0.000101297	0.000108269	3.19255E-05	9.98955E-05	8.70993E-05	0.000104816	0.000111717	3.13935E-05	9.98955E-05	7.95622E-05	**660**
661	9.92351E-05	0.000106054	3.13942E-05	9.74641E-05	8.66877E-05	0.000102494	0.000109235	3.07703E-05	9.74641E-05	7.9142E-05	**661**
662	9.84628E-05	0.000105297	3.04686E-05	9.71093E-05	8.58213E-05	0.000101933	0.000108684	3.01091E-05	9.71093E-05	7.82596E-05	**662**
663	9.99997E-05	0.000106982	3.05299E-05	9.90382E-05	9.17315E-05	0.000103743	0.000110642	3.0352E-05	9.90382E-05	8.28891E-05	**663**
664	0.000106867	0.000114358	3.23439E-05	0.000105795	9.02717E-05	0.000110871	0.000118263	3.22244E-05	0.000105795	8.13984E-05	**664**
665	0.000118078	0.000126423	3.50518E-05	0.00011628	8.92344E-05	0.000122279	0.000130483	3.50017E-05	0.00011628	8.03389E-05	**665**
666	0.000130558	0.00013955	4.10896E-05	0.000126123	8.83749E-05	0.000133913	0.000142744	3.99587E-05	0.000126123	7.94664E-05	**666**
667	0.00014036	0.000149487	4.95558E-05	0.000132082	7.31148E-05	0.000141953	0.00015095	4.6233E-05	0.000132082	6.67194E-05	**667**
668	0.000141296	0.000150159	5.31224E-05	0.000131208	6.03623E-05	0.000141849	0.000150617	4.85731E-05	0.000131208	5.65755E-05	**668**
669	0.000138409	0.000147069	5.22448E-05	0.000126266	5.19877E-05	0.000137913	0.000146406	4.75495E-05	0.000126266	4.94501E-05	**669**
670	0.00013136	0.000139769	4.76984E-05	0.000119111	4.62748E-05	0.000130712	0.000138875	4.3864E-05	0.000119111	4.50723E-05	**670**
671	0.000119649	0.000127541	4.11302E-05	0.000110564	4.53921E-05	0.000120179	0.000127839	3.86813E-05	0.000110564	4.41761E-05	**671**
672	0.000109443	0.000117058	3.36858E-05	0.000103981	4.52124E-05	0.000111527	0.000118901	3.30728E-05	0.000103981	4.39981E-05	**672**
673	9.62604E-05	0.000103313	2.60951E-05	9.45872E-05	4.51106E-05	9.97878E-05	0.000106617	2.71361E-05	9.45872E-05	4.39002E-05	**673**
674	9.31922E-05	0.000100236	2.31092E-05	9.29244E-05	4.46817E-05	9.73895E-05	0.000104197	2.49649E-05	9.29244E-05	4.34604E-05	**674**
675	9.22406E-05	9.92945E-05	2.20601E-05	9.30249E-05	4.48773E-05	9.69333E-05	0.000103759	2.43106E-05	9.30249E-05	4.36645E-05	**675**

676	9.40061E-05	0.000101219	2.22466E-05	9.57204E-05	4.62775E-05	9.92202E-05	0.000106219	2.47578E-05	9.57204E-05	4.51035E-05	676
677	9.92413E-05	0.000106782	2.42161E-05	0.000101361	4.85316E-05	0.000104827	0.000112171	2.66953E-05	0.000101361	4.74078E-05	677
678	0.000106407	0.00011437	2.71772E-05	0.000107559	4.93295E-05	0.000111794	0.00011955	2.92716E-05	0.000107559	4.81784E-05	678
679	0.000110685	0.000118706	3.08812E-05	0.000112235	9.53999E-05	0.00011624	0.000124142	3.21652E-05	0.000112235	8.67329E-05	679
680	0.000110342	0.000118179	3.23677E-05	0.000113207	9.50098E-05	0.000116349	0.000124162	3.32261E-05	0.000113207	8.6278E-05	680
681	0.000108965	0.000116628	3.2727E-05	0.00011092	9.55526E-05	0.000114442	0.000122077	3.32099E-05	0.00011092	8.68135E-05	681
682	0.000106362	0.000113739	3.29744E-05	0.000106926	9.53602E-05	0.000111019	0.00011836	3.29247E-05	0.000106926	8.66049E-05	682
683	0.000103907	0.000111029	3.30546E-05	0.000103042	9.47887E-05	0.000107751	0.000114821	3.25243E-05	0.000103042	8.60107E-05	683
684	0.000101297	0.000108269	3.19255E-05	9.98955E-05	8.70993E-05	0.000104816	0.000111717	3.13935E-05	9.98955E-05	7.95622E-05	684
685	9.92351E-05	0.000106054	3.13942E-05	9.74641E-05	8.66877E-05	0.000102494	0.000109235	3.07703E-05	9.74641E-05	7.9142E-05	685
686	9.84628E-05	0.000105297	3.04686E-05	9.71093E-05	8.58213E-05	0.000101933	0.000108684	3.01091E-05	9.71093E-05	7.82596E-05	686
687	9.99997E-05	0.000106982	3.05299E-05	9.90382E-05	9.17315E-05	0.000103743	0.000110642	3.0352E-05	9.90382E-05	8.28891E-05	687
688	0.000106867	0.000114358	3.23439E-05	0.000105795	9.02717E-05	0.000110871	0.000118263	3.22244E-05	0.000105795	8.13984E-05	688
689	0.000118078	0.000126423	3.50518E-05	0.00011628	8.92344E-05	0.000122279	0.000130483	3.50017E-05	0.00011628	8.03389E-05	689
690	0.000130558	0.00013955	4.10896E-05	0.000126123	8.83749E-05	0.000133913	0.000142744	3.99587E-05	0.000126123	7.94664E-05	690
691	0.00014036	0.000149487	4.95558E-05	0.000132082	7.31148E-05	0.000141953	0.00015095	4.6233E-05	0.000132082	6.67194E-05	691
692	0.000141296	0.000150159	5.31224E-05	0.000131208	6.03623E-05	0.000141849	0.000150617	4.85731E-05	0.000131208	5.65755E-05	692
693	0.000138409	0.000147069	5.22448E-05	0.000126266	5.19877E-05	0.000137913	0.000146406	4.75495E-05	0.000126266	4.94501E-05	693
694	0.00013136	0.000139769	4.76984E-05	0.000119111	4.62748E-05	0.000130712	0.000138875	4.3864E-05	0.000119111	4.50723E-05	694
695	0.000119649	0.000127541	4.11302E-05	0.000110564	4.53921E-05	0.000120179	0.000127839	3.86813E-05	0.000110564	4.41761E-05	695
696	0.000109443	0.000117058	3.36858E-05	0.000103981	4.52124E-05	0.000111527	0.000118901	3.30728E-05	0.000103981	4.39981E-05	696
697	9.5755E-05	0.000102768	2.59805E-05	9.3943E-05	4.44345E-05	9.91956E-05	0.000105983	2.69862E-05	9.3943E-05	4.32025E-05	697
698	9.37256E-05	0.000100812	2.32182E-05	9.35269E-05	4.49664E-05	9.79806E-05	0.000104831	2.51008E-05	9.35269E-05	4.37531E-05	698
699	9.27079E-05	9.97999E-05	2.21476E-05	9.35013E-05	4.50936E-05	9.74286E-05	0.000104291	2.4415E-05	9.35013E-05	4.38867E-05	699
700	9.46153E-05	0.000101877	2.23682E-05	9.63904E-05	4.65839E-05	9.98874E-05	0.000106935	2.49079E-05	9.63904E-05	4.54184E-05	700
701	9.99545E-05	0.000107553	2.43567E-05	0.000102133	4.89443E-05	0.000105603	0.000113003	2.68674E-05	0.000102133	4.78314E-05	701
702	0.000107074	0.000115092	2.73095E-05	0.000108286	4.97922E-05	0.000112522	0.000120332	2.94341E-05	0.000108286	4.8653E-05	702
703	0.000112907	0.000121131	3.10819E-05	0.000113206	9.60172E-05	0.000118027	0.000126076	3.23991E-05	0.000113206	8.73656E-05	703
704	0.000111167	0.000119069	3.25405E-05	0.000114166	9.57604E-05	0.000117275	0.000125154	3.34443E-05	0.000114166	8.70459E-05	704
705	0.000109842	0.000117575	3.29064E-05	0.000111912	9.63593E-05	0.000115414	0.000123119	3.34337E-05	0.000111912	8.76383E-05	705
706	0.000107075	0.000114506	3.31339E-05	0.000107821	9.60977E-05	0.000111848	0.000119247	3.31322E-05	0.000107821	8.73576E-05	706
707	0.000104491	0.000111657	3.31961E-05	0.000103845	9.56401E-05	0.000108461	0.000115581	3.27144E-05	0.000103845	8.68793E-05	707
708	0.000101895	0.000108914	3.20673E-05	0.000100698	8.78842E-05	0.000105535	0.000112486	3.15823E-05	0.000100698	8.03616E-05	708
709	9.98491E-05	0.000106715	3.15441E-05	9.83159E-05	8.7461E-05	0.000103244	0.000110037	3.09723E-05	9.83159E-05	7.99285E-05	709
710	9.90157E-05	0.000105892	3.06028E-05	9.78712E-05	8.65776E-05	0.000102606	0.000109403	3.02895E-05	9.78712E-05	7.90295E-05	710
711	0.000100617	0.000107647	3.06778E-05	9.98767E-05	9.24412E-05	0.000104489	0.000111439	3.055E-05	9.98767E-05	8.36118E-05	711
712	0.000107563	0.000115108	3.24999E-05	0.000106671	9.08457E-05	0.000111681	0.000119131	3.24276E-05	0.000106671	8.19824E-05	712
713	0.000118975	0.000127392	3.5231E-05	0.000117266	8.97153E-05	0.000123262	0.000131537	3.52229E-05	0.000117266	8.08282E-05	713
714	0.000131626	0.000140705	4.12984E-05	0.000127269	8.88309E-05	0.00013507	0.000143986	4.02134E-05	0.000127269	7.99313E-05	714
715	0.000141509	0.000150729	4.97796E-05	0.000133308	7.35526E-05	0.000143195	0.000152283	4.65055E-05	0.000133308	6.71665E-05	715
716	0.000142423	0.000151377	5.33386E-05	0.00013239	6.07868E-05	0.000143058	0.000151914	4.88342E-05	0.00013239	5.70098E-05	716
717	0.000137831	0.000146422	5.23613E-05	0.000127031	5.2403E-05	0.000137894	0.000146371	4.76999E-05	0.000127031	4.98752E-05	717
718	0.000132082	0.000140548	4.78473E-05	0.000119936	4.66541E-05	0.000131516	0.000139737	4.40507E-05	0.000119936	4.54619E-05	718
719	0.000120308	0.000128252	4.12671E-05	0.000111323	4.56843E-05	0.000120915	0.000128628	3.88536E-05	0.000111323	4.44774E-05	719
720	0.00010996	0.000117616	3.37896E-05	0.000104553	4.53682E-05	0.000112095	0.00011951	3.32012E-05	0.000104553	4.41592E-05	720
721	9.5755E-05	0.000102768	2.59805E-05	9.3943E-05	4.44345E-05	9.91956E-05	0.000105983	2.69862E-05	9.3943E-05	4.32025E-05	721
722	9.37256E-05	0.000100812	2.32182E-05	9.35269E-05	4.49664E-05	9.79806E-05	0.000104831	2.51008E-05	9.35269E-05	4.37531E-05	722
723	9.27079E-05	9.97999E-05	2.21476E-05	9.35013E-05	4.50936E-05	9.74286E-05	0.000104291	2.4415E-05	9.35013E-05	4.38867E-05	723
724	9.46153E-05	0.000101877	2.23682E-05	9.63904E-05	4.65839E-05	9.98874E-05	0.000106935	2.49079E-05	9.63904E-05	4.54184E-05	724
725	9.99545E-05	0.000107553	2.43567E-05	0.000102133	4.89443E-05	0.000105603	0.000113003	2.68674E-05	0.000102133	4.78314E-05	725
726	0.000107074	0.000115092	2.73095E-05	0.000108286	4.97922E-05	0.000112522	0.000120332	2.94341E-05	0.000108286	4.8653E-05	726
727	0.000112907	0.000121131	3.10819E-05	0.000113206	9.60172E-05	0.000118027	0.000126076	3.23991E-05	0.000113206	8.73656E-05	727
728	0.000111167	0.000119069	3.25405E-05	0.000114166	9.57604E-05	0.000117275	0.000125154	3.34443E-05	0.000114166	8.70459E-05	728
729	0.000109842	0.000117575	3.29064E-05	0.000111912	9.63593E-05	0.000115414	0.000123119	3.34337E-05	0.000111912	8.76383E-05	729
730	0.000107075	0.000114506	3.31339E-05	0.000107821	9.60977E-05	0.000111848	0.000119247	3.31322E-05	0.000107821	8.73576E-05	730
731	0.000104491	0.000111657	3.31961E-05	0.000103845	9.56401E-05	0.000108461	0.000115581	3.27144E-05	0.000103845	8.68793E-05	731
732	0.000101895	0.000108914	3.20673E-05	0.000100698	8.78842E-05	0.000105535	0.000112486	3.15823E-05	0.000100698	8.03616E-05	732
733	9.98491E-05	0.000106715	3.15441E-05	9.83159E-05	8.7461E-05	0.000103244	0.000110037	3.09723E-05	9.83159E-05	7.99285E-05	733
734	9.90157E-05	0.000105892	3.06028E-05	9.78712E-05	8.65776E-05	0.000102606	0.000109403	3.02895E-05	9.78712E-05	7.90295E-05	734
735	0.000100617	0.000107647	3.06778E-05	9.98767E-05	9.24412E-05	0.000104489	0.000111439	3.055E-05	9.98767E-05	8.36118E-05	735
736	0.000107563	0.000115108	3.24999E-05	0.000106671	9.08457E-05	0.000111681	0.000119131	3.24276E-05	0.000106671	8.19824E-05	736
737	0.000118975	0.000127392	3.5231E-05	0.000117266	8.97153E-05	0.000123262	0.000131537	3.52229E-05	0.000117266	8.08282E-05	737
738	0.000131626	0.000140705	4.12984E-05	0.000127269	8.88309E-05	0.00013507	0.000143986	4.02134E-05	0.000127269	7.99313E-05	738
739	0.000141509	0.000150729	4.97796E-05	0.000133308	7.35526E-05	0.000143195	0.000152283	4.65055E-05	0.000133308	6.71665E-05	739
740	0.000142423	0.000151377	5.33386E-05	0.00013239	6.07868E-05	0.000143058	0.000151914	4.88342E-05	0.00013239	5.70098E-05	740
741	0.000137831	0.000146422	5.23613E-05	0.000127031	5.2403E-05	0.000137894	0.000146371	4.76999E-05	0.000127031	4.98752E-05	741
742	0.000132082	0.000140548	4.78473E-05	0.000119936	4.66541E-05	0.000131516	0.000139737	4.40507E-05	0.000119936	4.54619E-05	742
743	0.000120308	0.000128252	4.12671E-05	0.000111323	4.56843E-05	0.000120915	0.000128628	3.88536E-05	0.000111323	4.44774E-05	743
744	0.00010996	0.000117616	3.37896E-05	0.000104553	4.53682E-05	0.000112095	0.00011951	3.32012E-05	0.000104553	4.41592E-05	744
745	8.80145E-05	9.43947E-05	2.45366E-05	8.61775E-05	4.56444E-05	9.10467E-05	9.7228E-05	2.52834E-05	8.61775E-05	4.44349E-05	745
746	8.56699E-05	9.21003E-05	2.1693E-05	8.527E-05	4.58196E-05	8.94228E-05	9.56396E-05	2.32817E-05	8.527E-05	4.46174E-05	746
747	8.46492E-05	9.10855E-05	2.06125E-05	8.51698E-05	4.66855E-05	8.88361E-05	9.50641E-05	2.25758E-05	8.51698E-05	4.55116E-05	747
748	8.68404E-05	9.34757E-05	2.08244E-05	8.7945E-05	4.83905E-05	9.14188E-05	9.78481E-05	2.30166E-05	8.7945E-05	4.72659E-05	748
749	9.28175E-05	9.98416E-05	2.29331E-05	9.43527E-05	5.19165E-05	9.7817E-05	0.00010465	2.51218E-05	9.43527E-05	5.08835E-05	749
750	0.000100572	0.000108068	2.59958E-05	0.000101112	5.30379E-05	0.000105391	0.000112682	2.78164E-05	0.000101112	5.1991E-05	750
751	0.000104014	0.000111498	2.95604E-05	0.000105076	9.90619E-05	0.000109012	0.000116386	3.05606E-05	0.000105076	9.05084E-05	751

752	9.9919E-05	0.000106927	3.01944E-05	0.000101267	9.87192E-05	0.000104725	0.000111701	3.0508E-05	0.000101267	9.00963E-05	752
753	9.77627E-05	0.000104534	3.03948E-05	9.81094E-05	9.9757E-05	0.000101959	0.000108695	3.0295E-05	9.81094E-05	9.11316E-05	753
754	9.62898E-05	0.00010287	3.08246E-05	9.50873E-05	0.000100452	9.96554E-05	0.000106183	3.02094E-05	9.50873E-05	9.1831E-05	754
755	9.59837E-05	0.00010248	3.13539E-05	9.37022E-05	0.000100895	9.88E-05	0.000105231	3.03768E-05	9.37022E-05	9.22813E-05	755
756	9.29982E-05	9.93098E-05	3.02025E-05	9.04785E-05	9.40168E-05	9.56017E-05	0.000101838	2.92504E-05	9.04785E-05	8.66727E-05	756
757	9.07113E-05	9.68458E-05	2.96782E-05	8.81353E-05	9.37656E-05	9.31799E-05	9.92436E-05	2.86682E-05	8.81353E-05	8.64199E-05	757
758	8.86661E-05	9.47013E-05	2.86212E-05	8.7168E-05	9.24092E-05	9.157E-05	9.75526E-05	2.79205E-05	8.7168E-05	8.50319E-05	758
759	8.94537E-05	9.55809E-05	2.84935E-05	8.80154E-05	9.71734E-05	9.2447E-05	9.85134E-05	2.79051E-05	8.80154E-05	8.84824E-05	759
760	9.47007E-05	0.000101206	2.99812E-05	9.29787E-05	9.41624E-05	9.77944E-05	0.000104225	2.93742E-05	9.29787E-05	8.53977E-05	760
761	0.000104666	0.00011192	3.24984E-05	0.000102477	9.16867E-05	0.000108008	0.000115156	3.19541E-05	0.000102477	8.2862E-05	761
762	0.000119108	0.000127171	3.88843E-05	0.000114236	9.01907E-05	0.000121684	0.000129614	3.73201E-05	0.000114236	8.13325E-05	762
763	0.000131011	0.000139376	4.7779E-05	0.000122634	7.48422E-05	0.000132082	0.000140348	4.41413E-05	0.000122634	6.84855E-05	763
764	0.000132478	0.000140625	5.142E-05	0.000122176	6.21447E-05	0.000132487	0.000140563	4.65596E-05	0.000122176	5.83886E-05	764
765	0.000129818	0.000137782	5.05778E-05	0.000117418	5.37577E-05	0.000128771	0.000136591	4.55732E-05	0.000117418	5.12479E-05	765
766	0.000123545	0.000131326	4.61384E-05	0.000110774	4.77585E-05	0.000122269	0.000129816	4.19837E-05	0.000110774	4.65719E-05	766
767	0.000112519	0.000119837	3.97095E-05	0.000102948	4.63102E-05	0.000112471	0.000119568	3.69659E-05	0.000102948	4.50937E-05	767
768	0.000102951	0.000110041	3.24098E-05	9.71174E-05	4.55038E-05	0.000104539	0.000111401	3.1536E-05	9.71174E-05	4.42716E-05	768
769	8.80145E-05	9.43947E-05	2.45366E-05	8.61775E-05	4.56444E-05	9.10467E-05	9.7228E-05	2.52834E-05	8.61775E-05	4.44349E-05	769
770	8.56699E-05	9.21003E-05	2.1693E-05	8.527E-05	4.58196E-05	8.94228E-05	9.56396E-05	2.32817E-05	8.527E-05	4.46174E-05	770
771	8.46492E-05	9.10855E-05	2.06125E-05	8.51698E-05	4.66855E-05	8.88361E-05	9.50641E-05	2.25758E-05	8.51698E-05	4.55116E-05	771
772	8.68404E-05	9.34757E-05	2.08244E-05	8.7945E-05	4.83905E-05	9.14188E-05	9.78481E-05	2.30166E-05	8.7945E-05	4.72659E-05	772
773	9.28175E-05	9.98416E-05	2.29331E-05	9.43527E-05	5.19165E-05	9.7817E-05	0.00010465	2.51218E-05	9.43527E-05	5.08835E-05	773
774	0.000100572	0.000108068	2.59958E-05	0.000101112	5.30379E-05	0.000105391	0.000112682	2.78164E-05	0.000101112	5.1991E-05	774
775	0.000104014	0.000111498	2.95604E-05	0.000105076	9.90619E-05	0.000109012	0.000116386	3.05606E-05	0.000105076	9.05084E-05	775
776	9.9919E-05	0.000106927	3.01944E-05	0.000101267	9.87192E-05	0.000104725	0.000111701	3.0508E-05	0.000101267	9.00963E-05	776
777	9.77627E-05	0.000104534	3.03948E-05	9.81094E-05	9.9757E-05	0.000101959	0.000108695	3.0295E-05	9.81094E-05	9.11316E-05	777
778	9.62898E-05	0.00010287	3.08246E-05	9.50873E-05	0.000100452	9.96554E-05	0.000106183	3.02094E-05	9.50873E-05	9.1831E-05	778
779	9.59837E-05	0.00010248	3.13539E-05	9.37022E-05	0.000100895	9.88E-05	0.000105231	3.03768E-05	9.37022E-05	9.22813E-05	779
780	9.29982E-05	9.93098E-05	3.02025E-05	9.04785E-05	9.40168E-05	9.56017E-05	0.000101838	2.92504E-05	9.04785E-05	8.66727E-05	780
781	9.07113E-05	9.68458E-05	2.96782E-05	8.81353E-05	9.37656E-05	9.31799E-05	9.92436E-05	2.86682E-05	8.81353E-05	8.64199E-05	781
782	8.86661E-05	9.47013E-05	2.86212E-05	8.7168E-05	9.24092E-05	9.157E-05	9.75526E-05	2.79205E-05	8.7168E-05	8.50319E-05	782
783	8.94537E-05	9.55809E-05	2.84935E-05	8.80154E-05	9.71734E-05	9.2447E-05	9.85134E-05	2.79051E-05	8.80154E-05	8.84824E-05	783
784	9.47007E-05	0.000101206	2.99812E-05	9.29787E-05	9.41624E-05	9.77944E-05	0.000104225	2.93742E-05	9.29787E-05	8.53977E-05	784
785	0.000104666	0.00011192	3.24984E-05	0.000102477	9.16867E-05	0.000108008	0.000115156	3.19541E-05	0.000102477	8.2862E-05	785
786	0.000119108	0.000127171	3.88843E-05	0.000114236	9.01907E-05	0.000121684	0.000129614	3.73201E-05	0.000114236	8.13325E-05	786
787	0.000131011	0.000139376	4.7779E-05	0.000122634	7.48422E-05	0.000132082	0.000140348	4.41413E-05	0.000122634	6.84855E-05	787
788	0.000132478	0.000140625	5.142E-05	0.000122176	6.21447E-05	0.000132487	0.000140563	4.65596E-05	0.000122176	5.83886E-05	788
789	0.000129818	0.000137782	5.05778E-05	0.000117418	5.37577E-05	0.000128771	0.000136591	4.55732E-05	0.000117418	5.12479E-05	789
790	0.000123545	0.000131326	4.61384E-05	0.000110774	4.77585E-05	0.000122269	0.000129816	4.19837E-05	0.000110774	4.65719E-05	790
791	0.000112519	0.000119837	3.97095E-05	0.000102948	4.63102E-05	0.000112471	0.000119568	3.69659E-05	0.000102948	4.50937E-05	791
792	0.000102951	0.000110041	3.24098E-05	9.71174E-05	4.55038E-05	0.000104539	0.000111401	3.1536E-05	9.71174E-05	4.42716E-05	792
793	8.80145E-05	9.43947E-05	2.45366E-05	8.61775E-05	4.56444E-05	9.10467E-05	9.7228E-05	2.52834E-05	8.61775E-05	4.44349E-05	793
794	8.56699E-05	9.21003E-05	2.1693E-05	8.527E-05	4.58196E-05	8.94228E-05	9.56396E-05	2.32817E-05	8.527E-05	4.46174E-05	794
795	8.46492E-05	9.10855E-05	2.06125E-05	8.51698E-05	4.66855E-05	8.88361E-05	9.50641E-05	2.25758E-05	8.51698E-05	4.55116E-05	795
796	8.68404E-05	9.34757E-05	2.08244E-05	8.7945E-05	4.83905E-05	9.14188E-05	9.78481E-05	2.30166E-05	8.7945E-05	4.72659E-05	796
797	9.28175E-05	9.98416E-05	2.29331E-05	9.43527E-05	5.19165E-05	9.7817E-05	0.00010465	2.51218E-05	9.43527E-05	5.08835E-05	797
798	0.000100572	0.000108068	2.59958E-05	0.000101112	5.30379E-05	0.000105391	0.000112682	2.78164E-05	0.000101112	5.1991E-05	798
799	0.000104014	0.000111498	2.95604E-05	0.000105076	9.90619E-05	0.000109012	0.000116386	3.05606E-05	0.000105076	9.05084E-05	799
800	9.9919E-05	0.000106927	3.01944E-05	0.000101267	9.87192E-05	0.000104725	0.000111701	3.0508E-05	0.000101267	9.00963E-05	800
801	9.77627E-05	0.000104534	3.03948E-05	9.81094E-05	9.9757E-05	0.000101959	0.000108695	3.0295E-05	9.81094E-05	9.11316E-05	801
802	9.62898E-05	0.00010287	3.08246E-05	9.50873E-05	0.000100452	9.96554E-05	0.000106183	3.02094E-05	9.50873E-05	9.1831E-05	802
803	9.59837E-05	0.00010248	3.13539E-05	9.37022E-05	0.000100895	9.88E-05	0.000105231	3.03768E-05	9.37022E-05	9.22813E-05	803
804	9.29982E-05	9.93098E-05	3.02025E-05	9.04785E-05	9.40168E-05	9.56017E-05	0.000101838	2.92504E-05	9.04785E-05	8.66727E-05	804
805	9.07113E-05	9.68458E-05	2.96782E-05	8.81353E-05	9.37656E-05	9.31799E-05	9.92436E-05	2.86682E-05	8.81353E-05	8.64199E-05	805
806	8.86661E-05	9.47013E-05	2.86212E-05	8.7168E-05	9.24092E-05	9.157E-05	9.75526E-05	2.79205E-05	8.7168E-05	8.50319E-05	806
807	8.94537E-05	9.55809E-05	2.84935E-05	8.80154E-05	9.71734E-05	9.2447E-05	9.85134E-05	2.79051E-05	8.80154E-05	8.84824E-05	807
808	9.47007E-05	0.000101206	2.99812E-05	9.29787E-05	9.41624E-05	9.77944E-05	0.000104225	2.93742E-05	9.29787E-05	8.53977E-05	808
809	0.000104666	0.00011192	3.24984E-05	0.000102477	9.16867E-05	0.000108008	0.000115156	3.19541E-05	0.000102477	8.2862E-05	809
810	0.000119108	0.000127171	3.88843E-05	0.000114236	9.01907E-05	0.000121684	0.000129614	3.73201E-05	0.000114236	8.13325E-05	810
811	0.000131011	0.000139376	4.7779E-05	0.000122634	7.48422E-05	0.000132082	0.000140348	4.41413E-05	0.000122634	6.84855E-05	811
812	0.000132478	0.000140625	5.142E-05	0.000122176	6.21447E-05	0.000132487	0.000140563	4.65596E-05	0.000122176	5.83886E-05	812
813	0.000129818	0.000137782	5.05778E-05	0.000117418	5.37577E-05	0.000128771	0.000136591	4.55732E-05	0.000117418	5.12479E-05	813
814	0.000123545	0.000131326	4.61384E-05	0.000110774	4.77585E-05	0.000122269	0.000129816	4.19837E-05	0.000110774	4.65719E-05	814
815	0.000112519	0.000119837	3.97095E-05	0.000102948	4.63102E-05	0.000112471	0.000119568	3.69659E-05	0.000102948	4.50937E-05	815
816	0.000102951	0.000110041	3.24098E-05	9.71174E-05	4.55038E-05	0.000104539	0.000111401	3.1536E-05	9.71174E-05	4.42716E-05	816
817	8.80145E-05	9.43947E-05	2.45366E-05	8.61775E-05	4.56444E-05	9.10467E-05	9.7228E-05	2.52834E-05	8.61775E-05	4.44349E-05	817
818	8.56699E-05	9.21003E-05	2.1693E-05	8.527E-05	4.58196E-05	8.94228E-05	9.56396E-05	2.32817E-05	8.527E-05	4.46174E-05	818
819	8.46492E-05	9.10855E-05	2.06125E-05	8.51698E-05	4.66855E-05	8.88361E-05	9.50641E-05	2.25758E-05	8.51698E-05	4.55116E-05	819
820	8.68404E-05	9.34757E-05	2.08244E-05	8.7945E-05	4.83905E-05	9.14188E-05	9.78481E-05	2.30166E-05	8.7945E-05	4.72659E-05	820
821	9.28175E-05	9.98416E-05	2.29331E-05	9.43527E-05	5.19165E-05	9.7817E-05	0.00010465	2.51218E-05	9.43527E-05	5.08835E-05	821
822	0.000100572	0.000108068	2.59958E-05	0.000101112	5.30379E-05	0.000105391	0.000112682	2.78164E-05	0.000101112	5.1991E-05	822
823	0.000104014	0.000111498	2.95604E-05	0.000105076	9.90619E-05	0.000109012	0.000116386	3.05606E-05	0.000105076	9.05084E-05	823
824	9.9919E-05	0.000106927	3.01944E-05	0.000101267	9.87192E-05	0.000104725	0.000111701	3.0508E-05	0.000101267	9.00963E-05	824
825	9.77627E-05	0.000104534	3.03948E-05	9.81094E-05	9.9757E-05	0.000101959	0.000108695	3.0295E-05	9.81094E-05	9.11316E-05	825
826	9.62898E-05	0.00010287	3.08246E-05	9.50873E-05	0.000100452	9.96554E-05	0.000106183	3.02094E-05	9.50873E-05	9.1831E-05	826
827	9.59837E-05	0.00010248	3.13539E-05	9.37022E-05	0.000100895	9.88E-05	0.000105231	3.03768E-05	9.37022E-05	9.22813E-05	827

828	9.29982E-05	9.93098E-05	3.02025E-05	9.04785E-05	9.40168E-05	9.56017E-05	0.000101838	2.92504E-05	9.04785E-05	8.66727E-05	828
829	9.07113E-05	9.68458E-05	2.96782E-05	8.81353E-05	9.37656E-05	9.31799E-05	9.92436E-05	2.86682E-05	8.81353E-05	8.64199E-05	829
830	8.86661E-05	9.47013E-05	2.86212E-05	8.7168E-05	9.24092E-05	9.157E-05	9.75526E-05	2.79205E-05	8.7168E-05	8.50319E-05	830
831	8.94537E-05	9.55809E-05	2.84935E-05	8.80154E-05	9.71734E-05	9.2447E-05	9.85134E-05	2.79051E-05	8.80154E-05	8.84824E-05	831
832	9.47007E-05	0.000101206	2.99812E-05	9.29787E-05	9.41624E-05	9.77944E-05	0.000104225	2.93742E-05	9.29787E-05	8.53977E-05	832
833	0.000104666	0.00011192	3.24984E-05	0.000102477	9.16867E-05	0.000108008	0.000115156	3.19541E-05	0.000102477	8.2862E-05	833
834	0.000119108	0.000127171	3.88843E-05	0.000114236	9.01907E-05	0.000121684	0.000129614	3.73201E-05	0.000114236	8.13325E-05	834
835	0.000131011	0.000139376	4.7779E-05	0.000122634	7.48422E-05	0.000132082	0.000140348	4.41413E-05	0.000122634	6.84855E-05	835
836	0.000132478	0.000140625	5.142E-05	0.000122176	6.21447E-05	0.000132487	0.000140563	4.65596E-05	0.000122176	5.83886E-05	836
837	0.000129818	0.000137782	5.05778E-05	0.000117418	5.37577E-05	0.000128771	0.000136591	4.55732E-05	0.000117418	5.12479E-05	837
838	0.000123545	0.000131326	4.61384E-05	0.000110774	4.77585E-05	0.000122269	0.000129816	4.19837E-05	0.000110774	4.65719E-05	838
839	0.000112519	0.000119837	3.97095E-05	0.000102948	4.63102E-05	0.000112471	0.000119568	3.69659E-05	0.000102948	4.50937E-05	839
840	0.000102951	0.000110041	3.24098E-05	9.71174E-05	4.55038E-05	0.000104539	0.000111401	3.1536E-05	9.71174E-05	4.42716E-05	840
841	8.80145E-05	9.43947E-05	2.45366E-05	8.61775E-05	4.56444E-05	9.10467E-05	9.7228E-05	2.52834E-05	8.61775E-05	4.44349E-05	841
842	8.56699E-05	9.21003E-05	2.1693E-05	8.527E-05	4.58196E-05	8.94228E-05	9.56396E-05	2.32817E-05	8.527E-05	4.46174E-05	842
843	8.46492E-05	9.10855E-05	2.06125E-05	8.51698E-05	4.66855E-05	8.88361E-05	9.50641E-05	2.25758E-05	8.51698E-05	4.55116E-05	843
844	8.68404E-05	9.34757E-05	2.08244E-05	8.7945E-05	4.83905E-05	9.14188E-05	9.78481E-05	2.30166E-05	8.7945E-05	4.72659E-05	844
845	9.28175E-05	9.98416E-05	2.29331E-05	9.43527E-05	5.19165E-05	9.7817E-05	0.00010465	2.51218E-05	9.43527E-05	5.08835E-05	845
846	0.000100572	0.000108068	2.59958E-05	0.000101112	5.30379E-05	0.000105391	0.000112682	2.78164E-05	0.000101112	5.1991E-05	846
847	0.000104014	0.000111498	2.95604E-05	0.000105076	9.90619E-05	0.000109012	0.000116386	3.05606E-05	0.000105076	9.05084E-05	847
848	9.9919E-05	0.000106927	3.01944E-05	0.000101267	9.87192E-05	0.000104725	0.000111701	3.0508E-05	0.000101267	9.00963E-05	848
849	9.77627E-05	0.000104534	3.03948E-05	9.81094E-05	9.9757E-05	0.000101959	0.000108695	3.0295E-05	9.81094E-05	9.11316E-05	849
850	9.62898E-05	0.00010287	3.08246E-05	9.50873E-05	0.000100452	9.96554E-05	0.000106183	3.02094E-05	9.50873E-05	9.1831E-05	850
851	9.59837E-05	0.00010248	3.13539E-05	9.37022E-05	0.000100895	9.88E-05	0.000105231	3.03768E-05	9.37022E-05	9.22813E-05	851
852	9.29982E-05	9.93098E-05	3.02025E-05	9.04785E-05	9.40168E-05	9.56017E-05	0.000101838	2.92504E-05	9.04785E-05	8.66727E-05	852
853	9.07113E-05	9.68458E-05	2.96782E-05	8.81353E-05	9.37656E-05	9.31799E-05	9.92436E-05	2.86682E-05	8.81353E-05	8.64199E-05	853
854	8.86661E-05	9.47013E-05	2.86212E-05	8.7168E-05	9.24092E-05	9.157E-05	9.75526E-05	2.79205E-05	8.7168E-05	8.50319E-05	854
855	8.94537E-05	9.55809E-05	2.84935E-05	8.80154E-05	9.71734E-05	9.2447E-05	9.85134E-05	2.79051E-05	8.80154E-05	8.84824E-05	855
856	9.47007E-05	0.000101206	2.99812E-05	9.29787E-05	9.41624E-05	9.77944E-05	0.000104225	2.93742E-05	9.29787E-05	8.53977E-05	856
857	0.000104666	0.00011192	3.24984E-05	0.000102477	9.16867E-05	0.000108008	0.000115156	3.19541E-05	0.000102477	8.2862E-05	857
858	0.000119108	0.000127171	3.88843E-05	0.000114236	9.01907E-05	0.000121684	0.000129614	3.73201E-05	0.000114236	8.13325E-05	858
859	0.000131011	0.000139376	4.7779E-05	0.000122634	7.48422E-05	0.000132082	0.000140348	4.41413E-05	0.000122634	6.84855E-05	859
860	0.000132478	0.000140625	5.142E-05	0.000122176	6.21447E-05	0.000132487	0.000140563	4.65596E-05	0.000122176	5.83886E-05	860
861	0.000129818	0.000137782	5.05778E-05	0.000117418	5.37577E-05	0.000128771	0.000136591	4.55732E-05	0.000117418	5.12479E-05	861
862	0.000123545	0.000131326	4.61384E-05	0.000110774	4.77585E-05	0.000122269	0.000129816	4.19837E-05	0.000110774	4.65719E-05	862
863	0.000112519	0.000119837	3.97095E-05	0.000102948	4.63102E-05	0.000112471	0.000119568	3.69659E-05	0.000102948	4.50937E-05	863
864	0.000102951	0.000110041	3.24098E-05	9.71174E-05	4.55038E-05	0.000104539	0.000111401	3.1536E-05	9.71174E-05	4.42716E-05	864
865	8.88717E-05	9.53204E-05	2.47123E-05	8.71489E-05	4.53687E-05	9.19981E-05	9.82482E-05	2.55029E-05	8.71489E-05	4.41511E-05	865
866	8.61977E-05	9.26686E-05	2.18181E-05	8.59777E-05	4.58831E-05	9.00566E-05	9.63174E-05	2.34483E-05	8.59777E-05	4.46822E-05	866
867	8.51756E-05	9.16526E-05	2.07343E-05	8.58571E-05	4.6823E-05	8.94602E-05	9.57317E-05	2.27366E-05	8.58571E-05	4.56521E-05	867
868	8.73922E-05	9.40713E-05	2.09397E-05	8.85848E-05	4.85573E-05	9.20376E-05	9.85114E-05	2.31621E-05	8.85848E-05	4.74366E-05	868
869	9.35719E-05	0.000100655	2.30969E-05	9.52671E-05	5.22069E-05	9.86804E-05	0.000105575	2.5332E-05	9.52671E-05	5.11813E-05	869
870	0.000101488	0.000109057	2.61888E-05	0.000102184	5.34374E-05	0.000106423	0.000113788	2.80607E-05	0.000102184	5.24007E-05	870
871	0.000106404	0.000114102	2.98199E-05	0.000106395	9.95077E-05	0.000111056	0.000118592	3.08828E-05	0.000106395	9.09653E-05	871
872	0.000100378	0.000107421	3.03127E-05	0.000101943	9.93502E-05	0.000105304	0.000112319	3.06704E-05	0.000101943	9.07417E-05	872
873	9.81747E-05	0.000104976	3.05043E-05	9.8739E-05	0.000100521	0.000102487	0.000109259	3.04472E-05	9.8739E-05	9.19119E-05	873
874	9.66211E-05	0.000103227	3.08949E-05	9.54786E-05	0.000101291	0.00010003	0.000106584	3.02987E-05	9.54786E-05	9.26877E-05	874
875	9.63636E-05	0.00010289	3.14347E-05	9.41516E-05	0.000101695	9.923E-05	0.000105692	3.04795E-05	9.41516E-05	9.30977E-05	875
876	9.33369E-05	9.96751E-05	3.02763E-05	9.08909E-05	9.48375E-05	9.59901E-05	0.000102254	2.93453E-05	9.08909E-05	8.75102E-05	876
877	9.10632E-05	9.72249E-05	2.97596E-05	8.8594E-05	9.45637E-05	9.35968E-05	9.96895E-05	2.87755E-05	8.8594E-05	8.72337E-05	877
878	8.88744E-05	9.49228E-05	2.86986E-05	8.76289E-05	9.31181E-05	9.18998E-05	9.79023E-05	2.80383E-05	8.76289E-05	8.57552E-05	878
879	8.97502E-05	9.58983E-05	2.85812E-05	8.8526E-05	9.77313E-05	9.28526E-05	9.89454E-05	2.80312E-05	8.8526E-05	8.90511E-05	879
880	9.51383E-05	0.000101676	3.00931E-05	9.36188E-05	9.45579E-05	9.83433E-05	0.000104811	2.95276E-05	9.36188E-05	8.58009E-05	880
881	0.000105168	0.00011246	3.26133E-05	0.000103124	9.20195E-05	0.000108599	0.000115789	3.2105E-05	0.000103124	8.32016E-05	881
882	0.000119874	0.000127997	3.90533E-05	0.000115181	9.04816E-05	0.000122568	0.000130561	3.75384E-05	0.000115181	8.16295E-05	882
883	0.000131818	0.000140246	4.79622E-05	0.000123664	7.50409E-05	0.000133029	0.000141361	4.43811E-05	0.000123664	6.86883E-05	883
884	0.000133258	0.000141467	5.15906E-05	0.000123129	6.22638E-05	0.000133383	0.000141523	4.67793E-05	0.000123129	5.85094E-05	884
885	0.000129147	0.000137034	5.0686E-05	0.000118148	5.38762E-05	0.000128679	0.000136477	4.57199E-05	0.000118148	5.13681E-05	885
886	0.000124261	0.000132098	4.62899E-05	0.000111616	4.7907E-05	0.000123077	0.000130682	4.21759E-05	0.000111616	4.67229E-05	886
887	0.000113225	0.000120599	3.98586E-05	0.000103777	4.63441E-05	0.000113267	0.000120421	3.71548E-05	0.000103777	4.51262E-05	887
888	0.000103547	0.000110684	3.25433E-05	9.78668E-05	4.53652E-05	0.000105233	0.000112144	3.17098E-05	9.78668E-05	4.41264E-05	888
889	8.88717E-05	9.53204E-05	2.47123E-05	8.71489E-05	4.53687E-05	9.19981E-05	9.82482E-05	2.55029E-05	8.71489E-05	4.41511E-05	889
890	8.61977E-05	9.26686E-05	2.18181E-05	8.59777E-05	4.58831E-05	9.00566E-05	9.63174E-05	2.34483E-05	8.59777E-05	4.46822E-05	890
891	8.51756E-05	9.16526E-05	2.07343E-05	8.58571E-05	4.6823E-05	8.94602E-05	9.57317E-05	2.27366E-05	8.58571E-05	4.56521E-05	891
892	8.73922E-05	9.40713E-05	2.09397E-05	8.85848E-05	4.85573E-05	9.20376E-05	9.85114E-05	2.31621E-05	8.85848E-05	4.74366E-05	892
893	9.35719E-05	0.000100655	2.30969E-05	9.52671E-05	5.22069E-05	9.86804E-05	0.000105575	2.5332E-05	9.52671E-05	5.11813E-05	893
894	0.000101488	0.000109057	2.61888E-05	0.000102184	5.34374E-05	0.000106423	0.000113788	2.80607E-05	0.000102184	5.24007E-05	894
895	0.000106404	0.000114102	2.98199E-05	0.000106395	9.95077E-05	0.000111056	0.000118592	3.08828E-05	0.000106395	9.09653E-05	895
896	0.000100378	0.000107421	3.03127E-05	0.000101943	9.93502E-05	0.000105304	0.000112319	3.06704E-05	0.000101943	9.07417E-05	896
897	9.81747E-05	0.000104976	3.05043E-05	9.8739E-05	0.000100521	0.000102487	0.000109259	3.04472E-05	9.8739E-05	9.19119E-05	897
898	9.66211E-05	0.000103227	3.08949E-05	9.54786E-05	0.000101291	0.00010003	0.000106584	3.02987E-05	9.54786E-05	9.26877E-05	898
899	9.63636E-05	0.00010289	3.14347E-05	9.41516E-05	0.000101695	9.923E-05	0.000105692	3.04795E-05	9.41516E-05	9.30977E-05	899
900	9.33369E-05	9.96751E-05	3.02763E-05	9.08909E-05	9.48375E-05	9.59901E-05	0.000102254	2.93453E-05	9.08909E-05	8.75102E-05	900
901	9.10632E-05	9.72249E-05	2.97596E-05	8.8594E-05	9.45637E-05	9.35968E-05	9.96895E-05	2.87755E-05	8.8594E-05	8.72337E-05	901
902	8.88744E-05	9.49228E-05	2.86986E-05	8.76289E-05	9.31181E-05	9.18998E-05	9.79023E-05	2.80383E-05	8.76289E-05	8.57552E-05	902
903	8.97502E-05	9.58983E-05	2.85812E-05	8.8526E-05	9.77313E-05	9.28526E-05	9.89454E-05	2.80312E-05	8.8526E-05	8.90511E-05	903

904	9.51383E-05	0.000101676	3.00931E-05	9.36188E-05	9.45579E-05	9.83433E-05	0.000104811	2.95276E-05	9.36188E-05	8.58009E-05	**904**
905	0.000105168	0.00011246	3.26133E-05	0.000103124	9.20195E-05	0.000108599	0.000115789	3.2105E-05	0.000103124	8.32016E-05	**905**
906	0.000119874	0.000127997	3.90533E-05	0.000115181	9.04816E-05	0.000122568	0.000130561	3.75384E-05	0.000115181	8.16295E-05	**906**
907	0.000131818	0.000140246	4.79622E-05	0.000123664	7.50409E-05	0.000133029	0.000141361	4.43811E-05	0.000123664	6.86883E-05	**907**
908	0.000133258	0.000141467	5.15906E-05	0.000123129	6.22638E-05	0.000133383	0.000141523	4.67793E-05	0.000123129	5.85094E-05	**908**
909	0.000129147	0.000137034	5.0686E-05	0.000118148	5.38762E-05	0.000128679	0.000136477	4.57199E-05	0.000118148	5.13681E-05	**909**
910	0.000124261	0.000132098	4.62899E-05	0.000111616	4.7907E-05	0.000123077	0.000130682	4.21759E-05	0.000111616	4.67229E-05	**910**
911	0.000113225	0.000120599	3.98586E-05	0.000103777	4.63441E-05	0.000113267	0.000120421	3.71548E-05	0.000103777	4.51262E-05	**911**
912	0.000103547	0.000110684	3.25433E-05	9.78668E-05	4.53652E-05	0.000105233	0.000112144	3.17098E-05	9.78668E-05	4.41264E-05	**912**
913	8.80145E-05	9.43947E-05	2.45366E-05	8.61775E-05	4.56444E-05	9.10467E-05	9.7228E-05	2.52834E-05	8.61775E-05	4.44349E-05	**913**
914	8.56699E-05	9.21003E-05	2.1693E-05	8.527E-05	4.58196E-05	8.94228E-05	9.56396E-05	2.32817E-05	8.527E-05	4.46174E-05	**914**
915	8.46492E-05	9.10855E-05	2.06125E-05	8.51698E-05	4.66855E-05	8.88361E-05	9.50641E-05	2.25758E-05	8.51698E-05	4.55116E-05	**915**
916	8.68404E-05	9.34757E-05	2.08244E-05	8.7945E-05	4.83905E-05	9.14188E-05	9.78481E-05	2.30166E-05	8.7945E-05	4.72659E-05	**916**
917	9.28175E-05	9.98416E-05	2.29331E-05	9.43527E-05	5.19165E-05	9.7817E-05	0.00010465	2.51218E-05	9.43527E-05	5.08835E-05	**917**
918	0.000100572	0.000108068	2.59958E-05	0.000101112	5.30379E-05	0.000105391	0.000112682	2.78164E-05	0.000101112	5.1991E-05	**918**
919	0.000104014	0.000111498	2.95604E-05	0.000105076	9.90619E-05	0.000109012	0.000116386	3.05606E-05	0.000105076	9.05084E-05	**919**
920	9.9919E-05	0.000106927	3.01944E-05	0.000101267	9.87192E-05	0.000104725	0.000111701	3.0508E-05	0.000101267	9.00963E-05	**920**
921	9.77627E-05	0.000104534	3.03948E-05	9.81094E-05	9.9757E-05	0.000101959	0.000108695	3.0295E-05	9.81094E-05	9.11316E-05	**921**
922	9.62898E-05	0.00010287	3.08246E-05	9.50873E-05	0.000100452	9.96554E-05	0.000106183	3.02094E-05	9.50873E-05	9.1831E-05	**922**
923	9.59837E-05	0.00010248	3.13539E-05	9.37022E-05	0.000100895	9.88E-05	0.000105231	3.03768E-05	9.37022E-05	9.22813E-05	**923**
924	9.29982E-05	9.93098E-05	3.02025E-05	9.04785E-05	9.40168E-05	9.56017E-05	0.000101838	2.92504E-05	9.04785E-05	8.66727E-05	**924**
925	9.07113E-05	9.68458E-05	2.96782E-05	8.81353E-05	9.37656E-05	9.31799E-05	9.92436E-05	2.86682E-05	8.81353E-05	8.64199E-05	**925**
926	8.86661E-05	9.47013E-05	2.86212E-05	8.7168E-05	9.24092E-05	9.157E-05	9.75526E-05	2.79205E-05	8.7168E-05	8.50319E-05	**926**
927	8.94537E-05	9.55809E-05	2.84935E-05	8.80154E-05	9.71734E-05	9.2447E-05	9.85134E-05	2.79051E-05	8.80154E-05	8.84824E-05	**927**
928	9.47007E-05	0.000101206	2.99812E-05	9.29787E-05	9.41624E-05	9.77944E-05	0.000104225	2.93742E-05	9.29787E-05	8.53977E-05	**928**
929	0.000104666	0.00011192	3.24984E-05	0.000102477	9.16867E-05	0.000108008	0.000115156	3.19541E-05	0.000102477	8.2862E-05	**929**
930	0.000119108	0.000127171	3.88843E-05	0.000114236	9.01907E-05	0.000121684	0.000129614	3.73201E-05	0.000114236	8.13325E-05	**930**
931	0.000131011	0.000139376	4.7779E-05	0.000122634	7.48422E-05	0.000132082	0.000140348	4.41413E-05	0.000122634	6.84855E-05	**931**
932	0.000132478	0.000140625	5.142E-05	0.000122176	6.21447E-05	0.000132487	0.000140563	4.65596E-05	0.000122176	5.83886E-05	**932**
933	0.000129818	0.000137782	5.05778E-05	0.000117418	5.37577E-05	0.000128771	0.000136591	4.55732E-05	0.000117418	5.12479E-05	**933**
934	0.000123545	0.000131326	4.61384E-05	0.000110774	4.77585E-05	0.000122269	0.000129816	4.19837E-05	0.000110774	4.65719E-05	**934**
935	0.000112519	0.000119837	3.97095E-05	0.000102948	4.63102E-05	0.000112471	0.000119568	3.69659E-05	0.000102948	4.50937E-05	**935**
936	0.000102951	0.000110041	3.24098E-05	9.71174E-05	4.55038E-05	0.000104539	0.000111401	3.1536E-05	9.71174E-05	4.42716E-05	**936**
937	8.80145E-05	9.43947E-05	2.45366E-05	8.61775E-05	4.56444E-05	9.10467E-05	9.7228E-05	2.52834E-05	8.61775E-05	4.44349E-05	**937**
938	8.56699E-05	9.21003E-05	2.1693E-05	8.527E-05	4.58196E-05	8.94228E-05	9.56396E-05	2.32817E-05	8.527E-05	4.46174E-05	**938**
939	8.46492E-05	9.10855E-05	2.06125E-05	8.51698E-05	4.66855E-05	8.88361E-05	9.50641E-05	2.25758E-05	8.51698E-05	4.55116E-05	**939**
940	8.68404E-05	9.34757E-05	2.08244E-05	8.7945E-05	4.83905E-05	9.14188E-05	9.78481E-05	2.30166E-05	8.7945E-05	4.72659E-05	**940**
941	9.28175E-05	9.98416E-05	2.29331E-05	9.43527E-05	5.19165E-05	9.7817E-05	0.00010465	2.51218E-05	9.43527E-05	5.08835E-05	**941**
942	0.000100572	0.000108068	2.59958E-05	0.000101112	5.30379E-05	0.000105391	0.000112682	2.78164E-05	0.000101112	5.1991E-05	**942**
943	0.000104014	0.000111498	2.95604E-05	0.000105076	9.90619E-05	0.000109012	0.000116386	3.05606E-05	0.000105076	9.05084E-05	**943**
944	9.9919E-05	0.000106927	3.01944E-05	0.000101267	9.87192E-05	0.000104725	0.000111701	3.0508E-05	0.000101267	9.00963E-05	**944**
945	9.77627E-05	0.000104534	3.03948E-05	9.81094E-05	9.9757E-05	0.000101959	0.000108695	3.0295E-05	9.81094E-05	9.11316E-05	**945**
946	9.62898E-05	0.00010287	3.08246E-05	9.50873E-05	0.000100452	9.96554E-05	0.000106183	3.02094E-05	9.50873E-05	9.1831E-05	**946**
947	9.59837E-05	0.00010248	3.13539E-05	9.37022E-05	0.000100895	9.88E-05	0.000105231	3.03768E-05	9.37022E-05	9.22813E-05	**947**
948	9.29982E-05	9.93098E-05	3.02025E-05	9.04785E-05	9.40168E-05	9.56017E-05	0.000101838	2.92504E-05	9.04785E-05	8.66727E-05	**948**
949	9.07113E-05	9.68458E-05	2.96782E-05	8.81353E-05	9.37656E-05	9.31799E-05	9.92436E-05	2.86682E-05	8.81353E-05	8.64199E-05	**949**
950	8.86661E-05	9.47013E-05	2.86212E-05	8.7168E-05	9.24092E-05	9.157E-05	9.75526E-05	2.79205E-05	8.7168E-05	8.50319E-05	**950**
951	8.94537E-05	9.55809E-05	2.84935E-05	8.80154E-05	9.71734E-05	9.2447E-05	9.85134E-05	2.79051E-05	8.80154E-05	8.84824E-05	**951**
952	9.47007E-05	0.000101206	2.99812E-05	9.29787E-05	9.41624E-05	9.77944E-05	0.000104225	2.93742E-05	9.29787E-05	8.53977E-05	**952**
953	0.000104666	0.00011192	3.24984E-05	0.000102477	9.16867E-05	0.000108008	0.000115156	3.19541E-05	0.000102477	8.2862E-05	**953**
954	0.000119108	0.000127171	3.88843E-05	0.000114236	9.01907E-05	0.000121684	0.000129614	3.73201E-05	0.000114236	8.13325E-05	**954**
955	0.000131011	0.000139376	4.7779E-05	0.000122634	7.48422E-05	0.000132082	0.000140348	4.41413E-05	0.000122634	6.84855E-05	**955**
956	0.000132478	0.000140625	5.142E-05	0.000122176	6.21447E-05	0.000132487	0.000140563	4.65596E-05	0.000122176	5.83886E-05	**956**
957	0.000129818	0.000137782	5.05778E-05	0.000117418	5.37577E-05	0.000128771	0.000136591	4.55732E-05	0.000117418	5.12479E-05	**957**
958	0.000123545	0.000131326	4.61384E-05	0.000110774	4.77585E-05	0.000122269	0.000129816	4.19837E-05	0.000110774	4.65719E-05	**958**
959	0.000112519	0.000119837	3.97095E-05	0.000102948	4.63102E-05	0.000112471	0.000119568	3.69659E-05	0.000102948	4.50937E-05	**959**
960	0.000102951	0.000110041	3.24098E-05	9.71174E-05	4.55038E-05	0.000104539	0.000111401	3.1536E-05	9.71174E-05	4.42716E-05	**960**
961	8.80145E-05	9.43947E-05	2.45366E-05	8.61775E-05	4.56444E-05	9.10467E-05	9.7228E-05	2.52834E-05	8.61775E-05	4.44349E-05	**961**
962	8.56699E-05	9.21003E-05	2.1693E-05	8.527E-05	4.58196E-05	8.94228E-05	9.56396E-05	2.32817E-05	8.527E-05	4.46174E-05	**962**
963	8.46492E-05	9.10855E-05	2.06125E-05	8.51698E-05	4.66855E-05	8.88361E-05	9.50641E-05	2.25758E-05	8.51698E-05	4.55116E-05	**963**
964	8.68404E-05	9.34757E-05	2.08244E-05	8.7945E-05	4.83905E-05	9.14188E-05	9.78481E-05	2.30166E-05	8.7945E-05	4.72659E-05	**964**
965	9.28175E-05	9.98416E-05	2.29331E-05	9.43527E-05	5.19165E-05	9.7817E-05	0.00010465	2.51218E-05	9.43527E-05	5.08835E-05	**965**
966	0.000100572	0.000108068	2.59958E-05	0.000101112	5.30379E-05	0.000105391	0.000112682	2.78164E-05	0.000101112	5.1991E-05	**966**
967	0.000104014	0.000111498	2.95604E-05	0.000105076	9.90619E-05	0.000109012	0.000116386	3.05606E-05	0.000105076	9.05084E-05	**967**
968	9.9919E-05	0.000106927	3.01944E-05	0.000101267	9.87192E-05	0.000104725	0.000111701	3.0508E-05	0.000101267	9.00963E-05	**968**
969	9.77627E-05	0.000104534	3.03948E-05	9.81094E-05	9.9757E-05	0.000101959	0.000108695	3.0295E-05	9.81094E-05	9.11316E-05	**969**
970	9.62898E-05	0.00010287	3.08246E-05	9.50873E-05	0.000100452	9.96554E-05	0.000106183	3.02094E-05	9.50873E-05	9.1831E-05	**970**
971	9.59837E-05	0.00010248	3.13539E-05	9.37022E-05	0.000100895	9.88E-05	0.000105231	3.03768E-05	9.37022E-05	9.22813E-05	**971**
972	9.29982E-05	9.93098E-05	3.02025E-05	9.04785E-05	9.40168E-05	9.56017E-05	0.000101838	2.92504E-05	9.04785E-05	8.66727E-05	**972**
973	9.07113E-05	9.68458E-05	2.96782E-05	8.81353E-05	9.37656E-05	9.31799E-05	9.92436E-05	2.86682E-05	8.81353E-05	8.64199E-05	**973**
974	8.86661E-05	9.47013E-05	2.86212E-05	8.7168E-05	9.24092E-05	9.157E-05	9.75526E-05	2.79205E-05	8.7168E-05	8.50319E-05	**974**
975	8.94537E-05	9.55809E-05	2.84935E-05	8.80154E-05	9.71734E-05	9.2447E-05	9.85134E-05	2.79051E-05	8.80154E-05	8.84824E-05	**975**
976	9.47007E-05	0.000101206	2.99812E-05	9.29787E-05	9.41624E-05	9.77944E-05	0.000104225	2.93742E-05	9.29787E-05	8.53977E-05	**976**
977	0.000104666	0.00011192	3.24984E-05	0.000102477	9.16867E-05	0.000108008	0.000115156	3.19541E-05	0.000102477	8.2862E-05	**977**
978	0.000119108	0.000127171	3.88843E-05	0.000114236	9.01907E-05	0.000121684	0.000129614	3.73201E-05	0.000114236	8.13325E-05	**978**
979	0.000131011	0.000139376	4.7779E-05	0.000122634	7.48422E-05	0.000132082	0.000140348	4.41413E-05	0.000122634	6.84855E-05	**979**

980	0.000132478	0.000140625	5.142E-05	0.000122176	6.21447E-05	0.000132487	0.000140563	4.65596E-05	0.000122176	5.83886E-05	**980**
981	0.000129818	0.000137782	5.05778E-05	0.000117418	5.37577E-05	0.000128771	0.000136591	4.55732E-05	0.000117418	5.12479E-05	**981**
982	0.000123545	0.000131326	4.61384E-05	0.000110774	4.77585E-05	0.000122269	0.000129816	4.19837E-05	0.000110774	4.65719E-05	**982**
983	0.000112519	0.000119837	3.97095E-05	0.000102948	4.63102E-05	0.000112471	0.000119568	3.69659E-05	0.000102948	4.50937E-05	**983**
984	0.000102951	0.000110041	3.24098E-05	9.71174E-05	4.55038E-05	0.000104539	0.000111401	3.1536E-05	9.71174E-05	4.42716E-05	**984**
985	8.80145E-05	9.43947E-05	2.45366E-05	8.61775E-05	4.56444E-05	9.10467E-05	9.7228E-05	2.52834E-05	8.61775E-05	4.44349E-05	**985**
986	8.56699E-05	9.21003E-05	2.1693E-05	8.527E-05	4.58196E-05	8.94228E-05	9.56396E-05	2.32817E-05	8.527E-05	4.46174E-05	**986**
987	8.46492E-05	9.10855E-05	2.06125E-05	8.51698E-05	4.66855E-05	8.88361E-05	9.50641E-05	2.25758E-05	8.51698E-05	4.55116E-05	**987**
988	8.68404E-05	9.34757E-05	2.08244E-05	8.7945E-05	4.83905E-05	9.14188E-05	9.78481E-05	2.30166E-05	8.7945E-05	4.72659E-05	**988**
989	9.28175E-05	9.98416E-05	2.29331E-05	9.43527E-05	5.19165E-05	9.7817E-05	0.00010465	2.51218E-05	9.43527E-05	5.08835E-05	**989**
990	0.000100572	0.000108068	2.59958E-05	0.000101112	5.30379E-05	0.000105391	0.000112682	2.78164E-05	0.000101112	5.1991E-05	**990**
991	0.000104014	0.000111498	2.95604E-05	0.000105076	9.90619E-05	0.000109012	0.000116386	3.05606E-05	0.000105076	9.05084E-05	**991**
992	9.9919E-05	0.000106927	3.01944E-05	0.000101267	9.87192E-05	0.000104725	0.000111701	3.0508E-05	0.000101267	9.00963E-05	**992**
993	9.77627E-05	0.000104534	3.03948E-05	9.81094E-05	9.9757E-05	0.000101959	0.000108695	3.0295E-05	9.81094E-05	9.11316E-05	**993**
994	9.62898E-05	0.00010287	3.08246E-05	9.50873E-05	0.000100452	9.96554E-05	0.000106183	3.02094E-05	9.50873E-05	9.1831E-05	**994**
995	9.59837E-05	0.00010248	3.13539E-05	9.37022E-05	0.000100895	9.88E-05	0.000105231	3.03768E-05	9.37022E-05	9.22813E-05	**995**
996	9.29982E-05	9.93098E-05	3.02025E-05	9.04785E-05	9.40168E-05	9.56017E-05	0.000101838	2.92504E-05	9.04785E-05	8.66727E-05	**996**
997	9.07113E-05	9.68458E-05	2.96782E-05	8.81353E-05	9.37656E-05	9.31799E-05	9.92436E-05	2.86682E-05	8.81353E-05	8.64199E-05	**997**
998	8.86661E-05	9.47013E-05	2.86212E-05	8.7168E-05	9.24092E-05	9.157E-05	9.75526E-05	2.79205E-05	8.7168E-05	8.50319E-05	**998**
999	8.94537E-05	9.55809E-05	2.84935E-05	8.80154E-05	9.71734E-05	9.2447E-05	9.85134E-05	2.79051E-05	8.80154E-05	8.84824E-05	**999**
1000	9.47007E-05	0.000101206	2.99812E-05	9.29787E-05	9.41624E-05	9.77944E-05	0.000104225	2.93742E-05	9.29787E-05	8.53977E-05	**1000**
1001	0.000104666	0.00011192	3.24984E-05	0.000102477	9.16867E-05	0.000108008	0.000115156	3.19541E-05	0.000102477	8.2862E-05	**1001**
1002	0.000119108	0.000127171	3.88843E-05	0.000114236	9.01907E-05	0.000121684	0.000129614	3.73201E-05	0.000114236	8.13325E-05	**1002**
1003	0.000131011	0.000139376	4.7779E-05	0.000122634	7.48422E-05	0.000132082	0.000140348	4.41413E-05	0.000122634	6.84855E-05	**1003**
1004	0.000132478	0.000140625	5.142E-05	0.000122176	6.21447E-05	0.000132487	0.000140563	4.65596E-05	0.000122176	5.83886E-05	**1004**
1005	0.000129818	0.000137782	5.05778E-05	0.000117418	5.37577E-05	0.000128771	0.000136591	4.55732E-05	0.000117418	5.12479E-05	**1005**
1006	0.000123545	0.000131326	4.61384E-05	0.000110774	4.77585E-05	0.000122269	0.000129816	4.19837E-05	0.000110774	4.65719E-05	**1006**
1007	0.000112519	0.000119837	3.97095E-05	0.000102948	4.63102E-05	0.000112471	0.000119568	3.69659E-05	0.000102948	4.50937E-05	**1007**
1008	0.000102951	0.000110041	3.24098E-05	9.71174E-05	4.55038E-05	0.000104539	0.000111401	3.1536E-05	9.71174E-05	4.42716E-05	**1008**
1009	8.80145E-05	9.43947E-05	2.45366E-05	8.61775E-05	4.56444E-05	9.10467E-05	9.7228E-05	2.52834E-05	8.61775E-05	4.44349E-05	**1009**
1010	8.56699E-05	9.21003E-05	2.1693E-05	8.527E-05	4.58196E-05	8.94228E-05	9.56396E-05	2.32817E-05	8.527E-05	4.46174E-05	**1010**
1011	8.46492E-05	9.10855E-05	2.06125E-05	8.51698E-05	4.66855E-05	8.88361E-05	9.50641E-05	2.25758E-05	8.51698E-05	4.55116E-05	**1011**
1012	8.68404E-05	9.34757E-05	2.08244E-05	8.7945E-05	4.83905E-05	9.14188E-05	9.78481E-05	2.30166E-05	8.7945E-05	4.72659E-05	**1012**
1013	9.28175E-05	9.98416E-05	2.29331E-05	9.43527E-05	5.19165E-05	9.7817E-05	0.00010465	2.51218E-05	9.43527E-05	5.08835E-05	**1013**
1014	0.000100572	0.000108068	2.59958E-05	0.000101112	5.30379E-05	0.000105391	0.000112682	2.78164E-05	0.000101112	5.1991E-05	**1014**
1015	0.000104014	0.000111498	2.95604E-05	0.000105076	9.90619E-05	0.000109012	0.000116386	3.05606E-05	0.000105076	9.05084E-05	**1015**
1016	9.9919E-05	0.000106927	3.01944E-05	0.000101267	9.87192E-05	0.000104725	0.000111701	3.0508E-05	0.000101267	9.00963E-05	**1016**
1017	9.77627E-05	0.000104534	3.03948E-05	9.81094E-05	9.9757E-05	0.000101959	0.000108695	3.0295E-05	9.81094E-05	9.11316E-05	**1017**
1018	9.62898E-05	0.00010287	3.08246E-05	9.50873E-05	0.000100452	9.96554E-05	0.000106183	3.02094E-05	9.50873E-05	9.1831E-05	**1018**
1019	9.59837E-05	0.00010248	3.13539E-05	9.37022E-05	0.000100895	9.88E-05	0.000105231	3.03768E-05	9.37022E-05	9.22813E-05	**1019**
1020	9.29982E-05	9.93098E-05	3.02025E-05	9.04785E-05	9.40168E-05	9.56017E-05	0.000101838	2.92504E-05	9.04785E-05	8.66727E-05	**1020**
1021	9.07113E-05	9.68458E-05	2.96782E-05	8.81353E-05	9.37656E-05	9.31799E-05	9.92436E-05	2.86682E-05	8.81353E-05	8.64199E-05	**1021**
1022	8.86661E-05	9.47013E-05	2.86212E-05	8.7168E-05	9.24092E-05	9.157E-05	9.75526E-05	2.79205E-05	8.7168E-05	8.50319E-05	**1022**
1023	8.94537E-05	9.55809E-05	2.84935E-05	8.80154E-05	9.71734E-05	9.2447E-05	9.85134E-05	2.79051E-05	8.80154E-05	8.84824E-05	**1023**
1024	9.47007E-05	0.000101206	2.99812E-05	9.29787E-05	9.41624E-05	9.77944E-05	0.000104225	2.93742E-05	9.29787E-05	8.53977E-05	**1024**
1025	0.000104666	0.00011192	3.24984E-05	0.000102477	9.16867E-05	0.000108008	0.000115156	3.19541E-05	0.000102477	8.2862E-05	**1025**
1026	0.000119108	0.000127171	3.88843E-05	0.000114236	9.01907E-05	0.000121684	0.000129614	3.73201E-05	0.000114236	8.13325E-05	**1026**
1027	0.000131011	0.000139376	4.7779E-05	0.000122634	7.48422E-05	0.000132082	0.000140348	4.41413E-05	0.000122634	6.84855E-05	**1027**
1028	0.000132478	0.000140625	5.142E-05	0.000122176	6.21447E-05	0.000132487	0.000140563	4.65596E-05	0.000122176	5.83886E-05	**1028**
1029	0.000129818	0.000137782	5.05778E-05	0.000117418	5.37577E-05	0.000128771	0.000136591	4.55732E-05	0.000117418	5.12479E-05	**1029**
1030	0.000123545	0.000131326	4.61384E-05	0.000110774	4.77585E-05	0.000122269	0.000129816	4.19837E-05	0.000110774	4.65719E-05	**1030**
1031	0.000112519	0.000119837	3.97095E-05	0.000102948	4.63102E-05	0.000112471	0.000119568	3.69659E-05	0.000102948	4.50937E-05	**1031**
1032	0.000102951	0.000110041	3.24098E-05	9.71174E-05	4.55038E-05	0.000104539	0.000111401	3.1536E-05	9.71174E-05	4.42716E-05	**1032**
1033	8.88717E-05	9.53204E-05	2.47123E-05	8.71489E-05	4.53687E-05	9.19981E-05	9.82482E-05	2.55029E-05	8.71489E-05	4.41511E-05	**1033**
1034	8.61977E-05	9.26686E-05	2.18181E-05	8.59777E-05	4.58831E-05	9.00566E-05	9.63174E-05	2.34483E-05	8.59777E-05	4.46822E-05	**1034**
1035	8.51756E-05	9.16526E-05	2.07343E-05	8.58571E-05	4.6823E-05	8.94602E-05	9.57317E-05	2.27366E-05	8.58571E-05	4.56521E-05	**1035**
1036	8.73922E-05	9.40713E-05	2.09397E-05	8.85848E-05	4.85573E-05	9.20376E-05	9.85114E-05	2.31621E-05	8.85848E-05	4.74366E-05	**1036**
1037	9.35719E-05	0.000100655	2.30969E-05	9.52671E-05	5.22069E-05	9.86804E-05	0.000105575	2.5332E-05	9.52671E-05	5.11813E-05	**1037**
1038	0.000101488	0.000109057	2.61888E-05	0.000102184	5.34374E-05	0.000106423	0.000113788	2.80607E-05	0.000102184	5.24007E-05	**1038**
1039	0.000106404	0.000114102	2.98199E-05	0.000106395	9.95077E-05	0.000111056	0.000118592	3.08828E-05	0.000106395	9.09653E-05	**1039**
1040	0.000100378	0.000107421	3.03127E-05	0.000101943	9.93502E-05	0.000105304	0.000112319	3.06704E-05	0.000101943	9.07417E-05	**1040**
1041	9.81747E-05	0.000104976	3.05043E-05	9.8739E-05	0.000100521	0.000102487	0.000109259	3.04472E-05	9.8739E-05	9.19119E-05	**1041**
1042	9.66211E-05	0.000103227	3.08949E-05	9.54786E-05	0.000101291	0.00010003	0.000106584	3.02987E-05	9.54786E-05	9.26877E-05	**1042**
1043	9.63636E-05	0.00010289	3.14347E-05	9.41516E-05	0.000101695	9.923E-05	0.000105692	3.04795E-05	9.41516E-05	9.30977E-05	**1043**
1044	9.33369E-05	9.96751E-05	3.02763E-05	9.08909E-05	9.48375E-05	9.59901E-05	0.000102254	2.93453E-05	9.08909E-05	8.75102E-05	**1044**
1045	9.10632E-05	9.72249E-05	2.97596E-05	8.8594E-05	9.45637E-05	9.35968E-05	9.96895E-05	2.87755E-05	8.8594E-05	8.72337E-05	**1045**
1046	8.88744E-05	9.49228E-05	2.86986E-05	8.76289E-05	9.31181E-05	9.18998E-05	9.79023E-05	2.80383E-05	8.76289E-05	8.57552E-05	**1046**
1047	8.97502E-05	9.58983E-05	2.85812E-05	8.8526E-05	9.77313E-05	9.28526E-05	9.89454E-05	2.80312E-05	8.8526E-05	8.90511E-05	**1047**
1048	9.51383E-05	0.000101676	3.00931E-05	9.36188E-05	9.45579E-05	9.83433E-05	0.000104811	2.95276E-05	9.36188E-05	8.58009E-05	**1048**
1049	0.000105168	0.00011246	3.26133E-05	0.000103124	9.20195E-05	0.000108599	0.000115789	3.2105E-05	0.000103124	8.32016E-05	**1049**
1050	0.000119874	0.000127997	3.90533E-05	0.000115181	9.04816E-05	0.000122568	0.000130561	3.75384E-05	0.000115181	8.16295E-05	**1050**
1051	0.000131818	0.000140246	4.79622E-05	0.000123664	7.50409E-05	0.000133029	0.000141361	4.43811E-05	0.000123664	6.86883E-05	**1051**
1052	0.000133258	0.000141467	5.15906E-05	0.000123129	6.22638E-05	0.000133383	0.000141523	4.67793E-05	0.000123129	5.85094E-05	**1052**
1053	0.000129147	0.000137034	5.0686E-05	0.000118148	5.38762E-05	0.000128679	0.000136477	4.57199E-05	0.000118148	5.13681E-05	**1053**
1054	0.000124261	0.000132098	4.62899E-05	0.000111616	4.7907E-05	0.000123077	0.000130682	4.21759E-05	0.000111616	4.67229E-05	**1054**
1055	0.000113225	0.000120599	3.98586E-05	0.000103777	4.63441E-05	0.000113267	0.000120421	3.71548E-05	0.000103777	4.51262E-05	**1055**

1056	0.000103547	0.000110684	3.25433E-05	9.78668E-05	4.53652E-05	0.000105233	0.000112144	3.17098E-05	9.78668E-05	4.41264E-05	**1056**
1057	8.88717E-05	9.53204E-05	2.47123E-05	8.71489E-05	4.53687E-05	9.19981E-05	9.82482E-05	2.55029E-05	8.71489E-05	4.41511E-05	**1057**
1058	8.61977E-05	9.26686E-05	2.18181E-05	8.59777E-05	4.58831E-05	9.00566E-05	9.63174E-05	2.34483E-05	8.59777E-05	4.46822E-05	**1058**
1059	8.51756E-05	9.16526E-05	2.07343E-05	8.58571E-05	4.6823E-05	8.94602E-05	9.57317E-05	2.27366E-05	8.58571E-05	4.56521E-05	**1059**
1060	8.73922E-05	9.40713E-05	2.09397E-05	8.85848E-05	4.85573E-05	9.20376E-05	9.85114E-05	2.31621E-05	8.85848E-05	4.74366E-05	**1060**
1061	9.35719E-05	0.000100655	2.30969E-05	9.52671E-05	5.22069E-05	9.86804E-05	0.000105575	2.5332E-05	9.52671E-05	5.11813E-05	**1061**
1062	0.000101488	0.000109057	2.61888E-05	0.000102184	5.34374E-05	0.000106423	0.000113788	2.80607E-05	0.000102184	5.24007E-05	**1062**
1063	0.000106404	0.000114102	2.98199E-05	0.000106395	9.95077E-05	0.000111056	0.000118592	3.08828E-05	0.000106395	9.09653E-05	**1063**
1064	0.000100378	0.000107421	3.03127E-05	0.000101943	9.93502E-05	0.000105304	0.000112319	3.06704E-05	0.000101943	9.07417E-05	**1064**
1065	9.81747E-05	0.000104976	3.05043E-05	9.8739E-05	0.000100521	0.000102487	0.000109259	3.04472E-05	9.8739E-05	9.19119E-05	**1065**
1066	9.66211E-05	0.000103227	3.08949E-05	9.54786E-05	0.000101291	0.00010003	0.000106584	3.02987E-05	9.54786E-05	9.26877E-05	**1066**
1067	9.63636E-05	0.00010289	3.14347E-05	9.41516E-05	0.000101695	9.923E-05	0.000105692	3.04795E-05	9.41516E-05	9.30977E-05	**1067**
1068	9.33369E-05	9.96751E-05	3.02763E-05	9.08909E-05	9.48375E-05	9.59901E-05	0.000102254	2.93453E-05	9.08909E-05	8.75102E-05	**1068**
1069	9.10632E-05	9.72249E-05	2.97596E-05	8.8594E-05	9.45637E-05	9.35968E-05	9.96895E-05	2.87755E-05	8.8594E-05	8.72337E-05	**1069**
1070	8.88744E-05	9.49228E-05	2.86986E-05	8.76289E-05	9.31181E-05	9.18998E-05	9.79023E-05	2.80383E-05	8.76289E-05	8.57552E-05	**1070**
1071	8.97502E-05	9.58983E-05	2.85812E-05	8.8526E-05	9.77313E-05	9.28526E-05	9.89454E-05	2.80312E-05	8.8526E-05	8.90511E-05	**1071**
1072	9.51383E-05	0.000101676	3.00931E-05	9.36188E-05	9.45579E-05	9.83433E-05	0.000104811	2.95276E-05	9.36188E-05	8.58009E-05	**1072**
1073	0.000105168	0.00011246	3.26133E-05	0.000103124	9.20195E-05	0.000108599	0.000115789	3.2105E-05	0.000103124	8.32016E-05	**1073**
1074	0.000119874	0.000127997	3.90533E-05	0.000115181	9.04816E-05	0.000122568	0.000130561	3.75384E-05	0.000115181	8.16295E-05	**1074**
1075	0.000131818	0.000140246	4.79622E-05	0.000123664	7.50409E-05	0.000133029	0.000141361	4.43811E-05	0.000123664	6.86883E-05	**1075**
1076	0.000133258	0.000141467	5.15906E-05	0.000123129	6.22638E-05	0.000133383	0.000141523	4.67793E-05	0.000123129	5.85094E-05	**1076**
1077	0.000129147	0.000137034	5.0686E-05	0.000118148	5.38762E-05	0.000128679	0.000136477	4.57199E-05	0.000118148	5.13681E-05	**1077**
1078	0.000124261	0.000132098	4.62899E-05	0.000111616	4.7907E-05	0.000123077	0.000130682	4.21759E-05	0.000111616	4.67229E-05	**1078**
1079	0.000113225	0.000120599	3.98586E-05	0.000103777	4.63441E-05	0.000113267	0.000120421	3.71548E-05	0.000103777	4.51262E-05	**1079**
1080	0.000103547	0.000110684	3.25433E-05	9.78668E-05	4.53652E-05	0.000105233	0.000112144	3.17098E-05	9.78668E-05	4.41264E-05	**1080**
1081	8.88717E-05	9.53204E-05	2.47123E-05	8.71489E-05	4.53687E-05	9.19981E-05	9.82482E-05	2.55029E-05	8.71489E-05	4.41511E-05	**1081**
1082	8.61977E-05	9.26686E-05	2.18181E-05	8.59777E-05	4.58831E-05	9.00566E-05	9.63174E-05	2.34483E-05	8.59777E-05	4.46822E-05	**1082**
1083	8.51756E-05	9.16526E-05	2.07343E-05	8.58571E-05	4.6823E-05	8.94602E-05	9.57317E-05	2.27366E-05	8.58571E-05	4.56521E-05	**1083**
1084	8.73922E-05	9.40713E-05	2.09397E-05	8.85848E-05	4.85573E-05	9.20376E-05	9.85114E-05	2.31621E-05	8.85848E-05	4.74366E-05	**1084**
1085	9.35719E-05	0.000100655	2.30969E-05	9.52671E-05	5.22069E-05	9.86804E-05	0.000105575	2.5332E-05	9.52671E-05	5.11813E-05	**1085**
1086	0.000101488	0.000109057	2.61888E-05	0.000102184	5.34374E-05	0.000106423	0.000113788	2.80607E-05	0.000102184	5.24007E-05	**1086**
1087	0.000106404	0.000114102	2.98199E-05	0.000106395	9.95077E-05	0.000111056	0.000118592	3.08828E-05	0.000106395	9.09653E-05	**1087**
1088	0.000100378	0.000107421	3.03127E-05	0.000101943	9.93502E-05	0.000105304	0.000112319	3.06704E-05	0.000101943	9.07417E-05	**1088**
1089	9.81747E-05	0.000104976	3.05043E-05	9.8739E-05	0.000100521	0.000102487	0.000109259	3.04472E-05	9.8739E-05	9.19119E-05	**1089**
1090	9.66211E-05	0.000103227	3.08949E-05	9.54786E-05	0.000101291	0.00010003	0.000106584	3.02987E-05	9.54786E-05	9.26877E-05	**1090**
1091	9.63636E-05	0.00010289	3.14347E-05	9.41516E-05	0.000101695	9.923E-05	0.000105692	3.04795E-05	9.41516E-05	9.30977E-05	**1091**
1092	9.33369E-05	9.96751E-05	3.02763E-05	9.08909E-05	9.48375E-05	9.59901E-05	0.000102254	2.93453E-05	9.08909E-05	8.75102E-05	**1092**
1093	9.10632E-05	9.72249E-05	2.97596E-05	8.8594E-05	9.45637E-05	9.35968E-05	9.96895E-05	2.87755E-05	8.8594E-05	8.72337E-05	**1093**
1094	8.88744E-05	9.49228E-05	2.86986E-05	8.76289E-05	9.31181E-05	9.18998E-05	9.79023E-05	2.80383E-05	8.76289E-05	8.57552E-05	**1094**
1095	8.97502E-05	9.58983E-05	2.85812E-05	8.8526E-05	9.77313E-05	9.28526E-05	9.89454E-05	2.80312E-05	8.8526E-05	8.90511E-05	**1095**
1096	9.51383E-05	0.000101676	3.00931E-05	9.36188E-05	9.45579E-05	9.83433E-05	0.000104811	2.95276E-05	9.36188E-05	8.58009E-05	**1096**
1097	0.000105168	0.00011246	3.26133E-05	0.000103124	9.20195E-05	0.000108599	0.000115789	3.2105E-05	0.000103124	8.32016E-05	**1097**
1098	0.000119874	0.000127997	3.90533E-05	0.000115181	9.04816E-05	0.000122568	0.000130561	3.75384E-05	0.000115181	8.16295E-05	**1098**
1099	0.000131818	0.000140246	4.79622E-05	0.000123664	7.50409E-05	0.000133029	0.000141361	4.43811E-05	0.000123664	6.86883E-05	**1099**
1100	0.000133258	0.000141467	5.15906E-05	0.000123129	6.22638E-05	0.000133383	0.000141523	4.67793E-05	0.000123129	5.85094E-05	**1100**
1101	0.000129147	0.000137034	5.0686E-05	0.000118148	5.38762E-05	0.000128679	0.000136477	4.57199E-05	0.000118148	5.13681E-05	**1101**
1102	0.000124261	0.000132098	4.62899E-05	0.000111616	4.7907E-05	0.000123077	0.000130682	4.21759E-05	0.000111616	4.67229E-05	**1102**
1103	0.000113225	0.000120599	3.98586E-05	0.000103777	4.63441E-05	0.000113267	0.000120421	3.71548E-05	0.000103777	4.51262E-05	**1103**
1104	0.000103547	0.000110684	3.25433E-05	9.78668E-05	4.53652E-05	0.000105233	0.000112144	3.17098E-05	9.78668E-05	4.41264E-05	**1104**
1105	8.80145E-05	9.43947E-05	2.45366E-05	8.61775E-05	4.56444E-05	9.10467E-05	9.7228E-05	2.52834E-05	8.61775E-05	4.44349E-05	**1105**
1106	8.56699E-05	9.21003E-05	2.1693E-05	8.527E-05	4.58196E-05	8.94228E-05	9.56396E-05	2.32817E-05	8.527E-05	4.46174E-05	**1106**
1107	8.46492E-05	9.10855E-05	2.06125E-05	8.51698E-05	4.66855E-05	8.88361E-05	9.50641E-05	2.25758E-05	8.51698E-05	4.55116E-05	**1107**
1108	8.68404E-05	9.34757E-05	2.08244E-05	8.7945E-05	4.83905E-05	9.14188E-05	9.78481E-05	2.30166E-05	8.7945E-05	4.72659E-05	**1108**
1109	9.28175E-05	9.98416E-05	2.29331E-05	9.43527E-05	5.19165E-05	9.7817E-05	0.00010465	2.51218E-05	9.43527E-05	5.08835E-05	**1109**
1110	0.000100572	0.000108068	2.59958E-05	0.000101112	5.30379E-05	0.000105391	0.000112682	2.78164E-05	0.000101112	5.1991E-05	**1110**
1111	0.000104014	0.000111498	2.95604E-05	0.000105076	9.90619E-05	0.000109012	0.000116386	3.05606E-05	0.000105076	9.05084E-05	**1111**
1112	9.9919E-05	0.000106927	3.01944E-05	0.000101267	9.87192E-05	0.000104725	0.000111701	3.0508E-05	0.000101267	9.00963E-05	**1112**
1113	9.77627E-05	0.000104534	3.03948E-05	9.81094E-05	9.9757E-05	0.000101959	0.000108695	3.0295E-05	9.81094E-05	9.11316E-05	**1113**
1114	9.62898E-05	0.00010287	3.08246E-05	9.50873E-05	0.000100452	9.96554E-05	0.000106183	3.02094E-05	9.50873E-05	9.1831E-05	**1114**
1115	9.59837E-05	0.00010248	3.13539E-05	9.37022E-05	0.000100895	9.88E-05	0.000105231	3.03768E-05	9.37022E-05	9.22813E-05	**1115**
1116	9.29982E-05	9.93098E-05	3.02025E-05	9.04785E-05	9.40168E-05	9.56017E-05	0.000101838	2.92504E-05	9.04785E-05	8.66727E-05	**1116**
1117	9.07113E-05	9.68458E-05	2.96782E-05	8.81353E-05	9.37656E-05	9.31799E-05	9.92436E-05	2.86682E-05	8.81353E-05	8.64199E-05	**1117**
1118	8.86661E-05	9.47013E-05	2.86212E-05	8.7168E-05	9.24092E-05	9.157E-05	9.75526E-05	2.79205E-05	8.7168E-05	8.50319E-05	**1118**
1119	8.94537E-05	9.55809E-05	2.84935E-05	8.80154E-05	9.71734E-05	9.2447E-05	9.85134E-05	2.79051E-05	8.80154E-05	8.84824E-05	**1119**
1120	9.47007E-05	0.000101206	2.99812E-05	9.29787E-05	9.41624E-05	9.77944E-05	0.000104225	2.93742E-05	9.29787E-05	8.53977E-05	**1120**
1121	0.000104666	0.00011192	3.24984E-05	0.000102477	9.16867E-05	0.000108008	0.000115156	3.19541E-05	0.000102477	8.2862E-05	**1121**
1122	0.000119108	0.000127171	3.88843E-05	0.000114236	9.01907E-05	0.000121684	0.000129614	3.73201E-05	0.000114236	8.13325E-05	**1122**
1123	0.000131011	0.000139376	4.7779E-05	0.000122634	7.48422E-05	0.000132082	0.000140348	4.41413E-05	0.000122634	6.84855E-05	**1123**
1124	0.000132478	0.000140625	5.142E-05	0.000122176	6.21447E-05	0.000132487	0.000140563	4.65596E-05	0.000122176	5.83886E-05	**1124**
1125	0.000129818	0.000137782	5.05778E-05	0.000117418	5.37577E-05	0.000128771	0.000136591	4.55732E-05	0.000117418	5.12479E-05	**1125**
1126	0.000123545	0.000131326	4.61384E-05	0.000110774	4.77585E-05	0.000122269	0.000129816	4.19837E-05	0.000110774	4.65719E-05	**1126**
1127	0.000112519	0.000119837	3.97095E-05	0.000102948	4.63102E-05	0.000112471	0.000119568	3.69659E-05	0.000102948	4.50937E-05	**1127**
1128	0.000102951	0.000110041	3.24098E-05	9.71174E-05	4.55038E-05	0.000104539	0.000111401	3.1536E-05	9.71174E-05	4.42716E-05	**1128**
1129	8.80145E-05	9.43947E-05	2.45366E-05	8.61775E-05	4.56444E-05	9.10467E-05	9.7228E-05	2.52834E-05	8.61775E-05	4.44349E-05	**1129**
1130	8.56699E-05	9.21003E-05	2.1693E-05	8.527E-05	4.58196E-05	8.94228E-05	9.56396E-05	2.32817E-05	8.527E-05	4.46174E-05	**1130**
1131	8.46492E-05	9.10855E-05	2.06125E-05	8.51698E-05	4.66855E-05	8.88361E-05	9.50641E-05	2.25758E-05	8.51698E-05	4.55116E-05	**1131**

1132	8.68404E-05	9.34757E-05	2.08244E-05	8.7945E-05	4.83905E-05	9.14188E-05	9.78481E-05	2.30166E-05	8.7945E-05	4.72659E-05	1132
1133	9.28175E-05	9.98416E-05	2.29331E-05	9.43527E-05	5.19165E-05	9.7817E-05	0.00010465	2.51218E-05	9.43527E-05	5.08835E-05	1133
1134	0.000100572	0.000108068	2.59958E-05	0.000101112	5.30379E-05	0.000105391	0.000112682	2.78164E-05	0.000101112	5.1991E-05	1134
1135	0.000104014	0.000111498	2.95604E-05	0.000105076	9.90619E-05	0.000109012	0.000116386	3.05606E-05	0.000105076	9.05084E-05	1135
1136	9.9919E-05	0.000106927	3.01944E-05	0.000101267	9.87192E-05	0.000104725	0.000111701	3.0508E-05	0.000101267	9.00963E-05	1136
1137	9.77627E-05	0.000104534	3.03948E-05	9.81094E-05	9.9757E-05	0.000101959	0.000108695	3.0295E-05	9.81094E-05	9.11316E-05	1137
1138	9.62898E-05	0.00010287	3.08246E-05	9.50873E-05	0.000100452	9.96554E-05	0.000106183	3.02094E-05	9.50873E-05	9.1831E-05	1138
1139	9.59837E-05	0.00010248	3.13539E-05	9.37022E-05	0.000100895	9.88E-05	0.000105231	3.03768E-05	9.37022E-05	9.22813E-05	1139
1140	9.29982E-05	9.93098E-05	3.02025E-05	9.04785E-05	9.40168E-05	9.56017E-05	0.000101838	2.92504E-05	9.04785E-05	8.66727E-05	1140
1141	9.07113E-05	9.68458E-05	2.96782E-05	8.81353E-05	9.37656E-05	9.31799E-05	9.92436E-05	2.86682E-05	8.81353E-05	8.64199E-05	1141
1142	8.86661E-05	9.47013E-05	2.86212E-05	8.7168E-05	9.24092E-05	9.157E-05	9.75526E-05	2.79205E-05	8.7168E-05	8.50319E-05	1142
1143	8.94537E-05	9.55809E-05	2.84935E-05	8.80154E-05	9.71734E-05	9.2447E-05	9.85134E-05	2.79051E-05	8.80154E-05	8.84824E-05	1143
1144	9.47007E-05	0.000101206	2.99812E-05	9.29787E-05	9.41624E-05	9.77944E-05	0.000104225	2.93742E-05	9.29787E-05	8.53977E-05	1144
1145	0.000104666	0.00011192	3.24984E-05	0.000102477	9.16867E-05	0.000108008	0.000115156	3.19541E-05	0.000102477	8.2862E-05	1145
1146	0.000119108	0.000127171	3.88843E-05	0.000114236	9.01907E-05	0.000121684	0.000129614	3.73201E-05	0.000114236	8.13325E-05	1146
1147	0.000131011	0.000139376	4.7779E-05	0.000122634	7.48422E-05	0.000132082	0.000140348	4.41413E-05	0.000122634	6.84855E-05	1147
1148	0.000132478	0.000140625	5.142E-05	0.000122176	6.21447E-05	0.000132487	0.000140563	4.65596E-05	0.000122176	5.83886E-05	1148
1149	0.000129818	0.000137782	5.05778E-05	0.000117418	5.37577E-05	0.000128771	0.000136591	4.55732E-05	0.000117418	5.12479E-05	1149
1150	0.000123545	0.000131326	4.61384E-05	0.000110774	4.77585E-05	0.000122269	0.000129816	4.19837E-05	0.000110774	4.65719E-05	1150
1151	0.000112519	0.000119837	3.97095E-05	0.000102948	4.63102E-05	0.000112471	0.000119568	3.69659E-05	0.000102948	4.50937E-05	1151
1152	0.000102951	0.000110041	3.24098E-05	9.71174E-05	4.55038E-05	0.000104539	0.000111401	3.1536E-05	9.71174E-05	4.42716E-05	1152
1153	8.80145E-05	9.43947E-05	2.45366E-05	8.61775E-05	4.56444E-05	9.10467E-05	9.7228E-05	2.52834E-05	8.61775E-05	4.44349E-05	1153
1154	8.56699E-05	9.21003E-05	2.1693E-05	8.527E-05	4.58196E-05	8.94228E-05	9.56396E-05	2.32817E-05	8.527E-05	4.46174E-05	1154
1155	8.46492E-05	9.10855E-05	2.06125E-05	8.51698E-05	4.66855E-05	8.88361E-05	9.50641E-05	2.25758E-05	8.51698E-05	4.55116E-05	1155
1156	8.68404E-05	9.34757E-05	2.08244E-05	8.7945E-05	4.83905E-05	9.14188E-05	9.78481E-05	2.30166E-05	8.7945E-05	4.72659E-05	1156
1157	9.28175E-05	9.98416E-05	2.29331E-05	9.43527E-05	5.19165E-05	9.7817E-05	0.00010465	2.51218E-05	9.43527E-05	5.08835E-05	1157
1158	0.000100572	0.000108068	2.59958E-05	0.000101112	5.30379E-05	0.000105391	0.000112682	2.78164E-05	0.000101112	5.1991E-05	1158
1159	0.000104014	0.000111498	2.95604E-05	0.000105076	9.90619E-05	0.000109012	0.000116386	3.05606E-05	0.000105076	9.05084E-05	1159
1160	9.9919E-05	0.000106927	3.01944E-05	0.000101267	9.87192E-05	0.000104725	0.000111701	3.0508E-05	0.000101267	9.00963E-05	1160
1161	9.77627E-05	0.000104534	3.03948E-05	9.81094E-05	9.9757E-05	0.000101959	0.000108695	3.0295E-05	9.81094E-05	9.11316E-05	1161
1162	9.62898E-05	0.00010287	3.08246E-05	9.50873E-05	0.000100452	9.96554E-05	0.000106183	3.02094E-05	9.50873E-05	9.1831E-05	1162
1163	9.59837E-05	0.00010248	3.13539E-05	9.37022E-05	0.000100895	9.88E-05	0.000105231	3.03768E-05	9.37022E-05	9.22813E-05	1163
1164	9.29982E-05	9.93098E-05	3.02025E-05	9.04785E-05	9.40168E-05	9.56017E-05	0.000101838	2.92504E-05	9.04785E-05	8.66727E-05	1164
1165	9.07113E-05	9.68458E-05	2.96782E-05	8.81353E-05	9.37656E-05	9.31799E-05	9.92436E-05	2.86682E-05	8.81353E-05	8.64199E-05	1165
1166	8.86661E-05	9.47013E-05	2.86212E-05	8.7168E-05	9.24092E-05	9.157E-05	9.75526E-05	2.79205E-05	8.7168E-05	8.50319E-05	1166
1167	8.94537E-05	9.55809E-05	2.84935E-05	8.80154E-05	9.71734E-05	9.2447E-05	9.85134E-05	2.79051E-05	8.80154E-05	8.84824E-05	1167
1168	9.47007E-05	0.000101206	2.99812E-05	9.29787E-05	9.41624E-05	9.77944E-05	0.000104225	2.93742E-05	9.29787E-05	8.53977E-05	1168
1169	0.000104666	0.00011192	3.24984E-05	0.000102477	9.16867E-05	0.000108008	0.000115156	3.19541E-05	0.000102477	8.2862E-05	1169
1170	0.000119108	0.000127171	3.88843E-05	0.000114236	9.01907E-05	0.000121684	0.000129614	3.73201E-05	0.000114236	8.13325E-05	1170
1171	0.000131011	0.000139376	4.7779E-05	0.000122634	7.48422E-05	0.000132082	0.000140348	4.41413E-05	0.000122634	6.84855E-05	1171
1172	0.000132478	0.000140625	5.142E-05	0.000122176	6.21447E-05	0.000132487	0.000140563	4.65596E-05	0.000122176	5.83886E-05	1172
1173	0.000129818	0.000137782	5.05778E-05	0.000117418	5.37577E-05	0.000128771	0.000136591	4.55732E-05	0.000117418	5.12479E-05	1173
1174	0.000123545	0.000131326	4.61384E-05	0.000110774	4.77585E-05	0.000122269	0.000129816	4.19837E-05	0.000110774	4.65719E-05	1174
1175	0.000112519	0.000119837	3.97095E-05	0.000102948	4.63102E-05	0.000112471	0.000119568	3.69659E-05	0.000102948	4.50937E-05	1175
1176	0.000102951	0.000110041	3.24098E-05	9.71174E-05	4.55038E-05	0.000104539	0.000111401	3.1536E-05	9.71174E-05	4.42716E-05	1176
1177	8.80145E-05	9.43947E-05	2.45366E-05	8.61775E-05	4.56444E-05	9.10467E-05	9.7228E-05	2.52834E-05	8.61775E-05	4.44349E-05	1177
1178	8.56699E-05	9.21003E-05	2.1693E-05	8.527E-05	4.58196E-05	8.94228E-05	9.56396E-05	2.32817E-05	8.527E-05	4.46174E-05	1178
1179	8.46492E-05	9.10855E-05	2.06125E-05	8.51698E-05	4.66855E-05	8.88361E-05	9.50641E-05	2.25758E-05	8.51698E-05	4.55116E-05	1179
1180	8.68404E-05	9.34757E-05	2.08244E-05	8.7945E-05	4.83905E-05	9.14188E-05	9.78481E-05	2.30166E-05	8.7945E-05	4.72659E-05	1180
1181	9.28175E-05	9.98416E-05	2.29331E-05	9.43527E-05	5.19165E-05	9.7817E-05	0.00010465	2.51218E-05	9.43527E-05	5.08835E-05	1181
1182	0.000100572	0.000108068	2.59958E-05	0.000101112	5.30379E-05	0.000105391	0.000112682	2.78164E-05	0.000101112	5.1991E-05	1182
1183	0.000104014	0.000111498	2.95604E-05	0.000105076	9.90619E-05	0.000109012	0.000116386	3.05606E-05	0.000105076	9.05084E-05	1183
1184	9.9919E-05	0.000106927	3.01944E-05	0.000101267	9.87192E-05	0.000104725	0.000111701	3.0508E-05	0.000101267	9.00963E-05	1184
1185	9.77627E-05	0.000104534	3.03948E-05	9.81094E-05	9.9757E-05	0.000101959	0.000108695	3.0295E-05	9.81094E-05	9.11316E-05	1185
1186	9.62898E-05	0.00010287	3.08246E-05	9.50873E-05	0.000100452	9.96554E-05	0.000106183	3.02094E-05	9.50873E-05	9.1831E-05	1186
1187	9.59837E-05	0.00010248	3.13539E-05	9.37022E-05	0.000100895	9.88E-05	0.000105231	3.03768E-05	9.37022E-05	9.22813E-05	1187
1188	9.29982E-05	9.93098E-05	3.02025E-05	9.04785E-05	9.40168E-05	9.56017E-05	0.000101838	2.92504E-05	9.04785E-05	8.66727E-05	1188
1189	9.07113E-05	9.68458E-05	2.96782E-05	8.81353E-05	9.37656E-05	9.31799E-05	9.92436E-05	2.86682E-05	8.81353E-05	8.64199E-05	1189
1190	8.86661E-05	9.47013E-05	2.86212E-05	8.7168E-05	9.24092E-05	9.157E-05	9.75526E-05	2.79205E-05	8.7168E-05	8.50319E-05	1190
1191	8.94537E-05	9.55809E-05	2.84935E-05	8.80154E-05	9.71734E-05	9.2447E-05	9.85134E-05	2.79051E-05	8.80154E-05	8.84824E-05	1191
1192	9.47007E-05	0.000101206	2.99812E-05	9.29787E-05	9.41624E-05	9.77944E-05	0.000104225	2.93742E-05	9.29787E-05	8.53977E-05	1192
1193	0.000104666	0.00011192	3.24984E-05	0.000102477	9.16867E-05	0.000108008	0.000115156	3.19541E-05	0.000102477	8.2862E-05	1193
1194	0.000119108	0.000127171	3.88843E-05	0.000114236	9.01907E-05	0.000121684	0.000129614	3.73201E-05	0.000114236	8.13325E-05	1194
1195	0.000131011	0.000139376	4.7779E-05	0.000122634	7.48422E-05	0.000132082	0.000140348	4.41413E-05	0.000122634	6.84855E-05	1195
1196	0.000132478	0.000140625	5.142E-05	0.000122176	6.21447E-05	0.000132487	0.000140563	4.65596E-05	0.000122176	5.83886E-05	1196
1197	0.000129818	0.000137782	5.05778E-05	0.000117418	5.37577E-05	0.000128771	0.000136591	4.55732E-05	0.000117418	5.12479E-05	1197
1198	0.000123545	0.000131326	4.61384E-05	0.000110774	4.77585E-05	0.000122269	0.000129816	4.19837E-05	0.000110774	4.65719E-05	1198
1199	0.000112519	0.000119837	3.97095E-05	0.000102948	4.63102E-05	0.000112471	0.000119568	3.69659E-05	0.000102948	4.50937E-05	1199
1200	0.000102951	0.000110041	3.24098E-05	9.71174E-05	4.55038E-05	0.000104539	0.000111401	3.1536E-05	9.71174E-05	4.42716E-05	1200
1201	8.88717E-05	9.53204E-05	2.47123E-05	8.71489E-05	4.53687E-05	9.19981E-05	9.82482E-05	2.55029E-05	8.71489E-05	4.41511E-05	1201
1202	8.61977E-05	9.26686E-05	2.18181E-05	8.59777E-05	4.58831E-05	9.00566E-05	9.63174E-05	2.34483E-05	8.59777E-05	4.46822E-05	1202
1203	8.51756E-05	9.16526E-05	2.07343E-05	8.58571E-05	4.6823E-05	8.94602E-05	9.57317E-05	2.27366E-05	8.58571E-05	4.56521E-05	1203
1204	8.73922E-05	9.40713E-05	2.09397E-05	8.85848E-05	4.85573E-05	9.20376E-05	9.85114E-05	2.31621E-05	8.85848E-05	4.74366E-05	1204
1205	9.35719E-05	0.000100655	2.30969E-05	9.52671E-05	5.22069E-05	9.86804E-05	0.000105575	2.5332E-05	9.52671E-05	5.11813E-05	1205
1206	0.000101488	0.000109057	2.61888E-05	0.000102184	5.34374E-05	0.000106423	0.000113788	2.80607E-05	0.000102184	5.24007E-05	1206
1207	0.000106404	0.000114102	2.98199E-05	0.000106395	9.95077E-05	0.000111056	0.000118592	3.08828E-05	0.000106395	9.09653E-05	1207

1208	0.000100378	0.000107421	3.03127E-05	0.000101943	9.93502E-05	0.000105304	0.000112319	3.06704E-05	0.000101943	9.07417E-05	1208
1209	9.81747E-05	0.000104976	3.05043E-05	9.8739E-05	0.000100521	0.000102487	0.000109259	3.04472E-05	9.8739E-05	9.19119E-05	1209
1210	9.66211E-05	0.000103227	3.08949E-05	9.54786E-05	0.000101291	0.00010003	0.000106584	3.02987E-05	9.54786E-05	9.26877E-05	1210
1211	9.63636E-05	0.00010289	3.14347E-05	9.41516E-05	0.000101695	9.923E-05	0.000105692	3.04795E-05	9.41516E-05	9.30977E-05	1211
1212	9.33369E-05	9.96751E-05	3.02763E-05	9.08909E-05	9.48375E-05	9.59901E-05	0.000102254	2.93453E-05	9.08909E-05	8.75102E-05	1212
1213	9.10632E-05	9.72249E-05	2.97596E-05	8.8594E-05	9.45637E-05	9.35968E-05	9.96895E-05	2.87755E-05	8.8594E-05	8.72337E-05	1213
1214	8.88744E-05	9.49228E-05	2.86986E-05	8.76289E-05	9.31181E-05	9.18998E-05	9.79023E-05	2.80383E-05	8.76289E-05	8.57552E-05	1214
1215	8.97502E-05	9.58983E-05	2.85812E-05	8.8526E-05	9.77313E-05	9.28526E-05	9.89454E-05	2.80312E-05	8.8526E-05	8.90511E-05	1215
1216	9.51383E-05	0.000101676	3.00931E-05	9.36188E-05	9.45579E-05	9.83433E-05	0.000104811	2.95276E-05	9.36188E-05	8.58009E-05	1216
1217	0.000105168	0.00011246	3.26133E-05	0.000103124	9.20195E-05	0.000108599	0.000115789	3.2105E-05	0.000103124	8.32016E-05	1217
1218	0.000119874	0.000127997	3.90533E-05	0.000115181	9.04816E-05	0.000122568	0.000130561	3.75384E-05	0.000115181	8.16295E-05	1218
1219	0.000131818	0.000140246	4.79622E-05	0.000123664	7.50409E-05	0.000133029	0.000141361	4.43811E-05	0.000123664	6.86883E-05	1219
1220	0.000133258	0.000141467	5.15906E-05	0.000123129	6.22638E-05	0.000133383	0.000141523	4.67793E-05	0.000123129	5.85094E-05	1220
1221	0.000129147	0.000137034	5.0686E-05	0.000118148	5.38762E-05	0.000128679	0.000136477	4.57199E-05	0.000118148	5.13681E-05	1221
1222	0.000124261	0.000132098	4.62899E-05	0.000111616	4.7907E-05	0.000123077	0.000130682	4.21759E-05	0.000111616	4.67229E-05	1222
1223	0.000113225	0.000120599	3.98586E-05	0.000103777	4.63441E-05	0.000113267	0.000120421	3.71548E-05	0.000103777	4.51262E-05	1223
1224	0.000103547	0.000110684	3.25433E-05	9.78668E-05	4.53652E-05	0.000105233	0.000112144	3.17098E-05	9.78668E-05	4.41264E-05	1224
1225	8.88717E-05	9.53204E-05	2.47123E-05	8.71489E-05	4.53687E-05	9.19981E-05	9.82482E-05	2.55029E-05	8.71489E-05	4.41511E-05	1225
1226	8.61977E-05	9.26686E-05	2.18181E-05	8.59777E-05	4.58831E-05	9.00566E-05	9.63174E-05	2.34483E-05	8.59777E-05	4.46822E-05	1226
1227	8.51756E-05	9.16526E-05	2.07343E-05	8.58571E-05	4.6823E-05	8.94602E-05	9.57317E-05	2.27366E-05	8.58571E-05	4.56521E-05	1227
1228	8.73922E-05	9.40713E-05	2.09397E-05	8.85848E-05	4.85573E-05	9.20376E-05	9.85114E-05	2.31621E-05	8.85848E-05	4.74366E-05	1228
1229	9.35719E-05	0.000100655	2.30969E-05	9.52671E-05	5.22069E-05	9.86804E-05	0.000105575	2.5332E-05	9.52671E-05	5.11813E-05	1229
1230	0.000101488	0.000109057	2.61888E-05	0.000102184	5.34374E-05	0.000106423	0.000113788	2.80607E-05	0.000102184	5.24007E-05	1230
1231	0.000106404	0.000114102	2.98199E-05	0.000106395	9.95077E-05	0.000111056	0.000118592	3.08828E-05	0.000106395	9.09653E-05	1231
1232	0.000100378	0.000107421	3.03127E-05	0.000101943	9.93502E-05	0.000105304	0.000112319	3.06704E-05	0.000101943	9.07417E-05	1232
1233	9.81747E-05	0.000104976	3.05043E-05	9.8739E-05	0.000100521	0.000102487	0.000109259	3.04472E-05	9.8739E-05	9.19119E-05	1233
1234	9.66211E-05	0.000103227	3.08949E-05	9.54786E-05	0.000101291	0.00010003	0.000106584	3.02987E-05	9.54786E-05	9.26877E-05	1234
1235	9.63636E-05	0.00010289	3.14347E-05	9.41516E-05	0.000101695	9.923E-05	0.000105692	3.04795E-05	9.41516E-05	9.30977E-05	1235
1236	9.33369E-05	9.96751E-05	3.02763E-05	9.08909E-05	9.48375E-05	9.59901E-05	0.000102254	2.93453E-05	9.08909E-05	8.75102E-05	1236
1237	9.10632E-05	9.72249E-05	2.97596E-05	8.8594E-05	9.45637E-05	9.35968E-05	9.96895E-05	2.87755E-05	8.8594E-05	8.72337E-05	1237
1238	8.88744E-05	9.49228E-05	2.86986E-05	8.76289E-05	9.31181E-05	9.18998E-05	9.79023E-05	2.80383E-05	8.76289E-05	8.57552E-05	1238
1239	8.97502E-05	9.58983E-05	2.85812E-05	8.8526E-05	9.77313E-05	9.28526E-05	9.89454E-05	2.80312E-05	8.8526E-05	8.90511E-05	1239
1240	9.51383E-05	0.000101676	3.00931E-05	9.36188E-05	9.45579E-05	9.83433E-05	0.000104811	2.95276E-05	9.36188E-05	8.58009E-05	1240
1241	0.000105168	0.00011246	3.26133E-05	0.000103124	9.20195E-05	0.000108599	0.000115789	3.2105E-05	0.000103124	8.32016E-05	1241
1242	0.000119874	0.000127997	3.90533E-05	0.000115181	9.04816E-05	0.000122568	0.000130561	3.75384E-05	0.000115181	8.16295E-05	1242
1243	0.000131818	0.000140246	4.79622E-05	0.000123664	7.50409E-05	0.000133029	0.000141361	4.43811E-05	0.000123664	6.86883E-05	1243
1244	0.000133258	0.000141467	5.15906E-05	0.000123129	6.22638E-05	0.000133383	0.000141523	4.67793E-05	0.000123129	5.85094E-05	1244
1245	0.000129147	0.000137034	5.0686E-05	0.000118148	5.38762E-05	0.000128679	0.000136477	4.57199E-05	0.000118148	5.13681E-05	1245
1246	0.000124261	0.000132098	4.62899E-05	0.000111616	4.7907E-05	0.000123077	0.000130682	4.21759E-05	0.000111616	4.67229E-05	1246
1247	0.000113225	0.000120599	3.98586E-05	0.000103777	4.63441E-05	0.000113267	0.000120421	3.71548E-05	0.000103777	4.51262E-05	1247
1248	0.000103547	0.000110684	3.25433E-05	9.78668E-05	4.53652E-05	0.000105233	0.000112144	3.17098E-05	9.78668E-05	4.41264E-05	1248
1249	8.80145E-05	9.43947E-05	2.45366E-05	8.61775E-05	4.56444E-05	9.10467E-05	9.7228E-05	2.52834E-05	8.61775E-05	4.44349E-05	1249
1250	8.56699E-05	9.21003E-05	2.1693E-05	8.527E-05	4.58196E-05	8.94228E-05	9.56396E-05	2.32817E-05	8.527E-05	4.46174E-05	1250
1251	8.46492E-05	9.10855E-05	2.06125E-05	8.51698E-05	4.66855E-05	8.88361E-05	9.50641E-05	2.25758E-05	8.51698E-05	4.55116E-05	1251
1252	8.68404E-05	9.34757E-05	2.08244E-05	8.7945E-05	4.83905E-05	9.14188E-05	9.78481E-05	2.30166E-05	8.7945E-05	4.72659E-05	1252
1253	9.28175E-05	9.98416E-05	2.29331E-05	9.43527E-05	5.19165E-05	9.7817E-05	0.00010465	2.51218E-05	9.43527E-05	5.08835E-05	1253
1254	0.000100572	0.000108068	2.59958E-05	0.000101112	5.30379E-05	0.000105391	0.000112682	2.78164E-05	0.000101112	5.1991E-05	1254
1255	0.000104014	0.000111498	2.95604E-05	0.000105076	9.90619E-05	0.000109012	0.000116386	3.05606E-05	0.000105076	9.05084E-05	1255
1256	9.9919E-05	0.000106927	3.01944E-05	0.000101267	9.87192E-05	0.000104725	0.000111701	3.0508E-05	0.000101267	9.00963E-05	1256
1257	9.77627E-05	0.000104534	3.03948E-05	9.81094E-05	9.9757E-05	0.000101959	0.000108695	3.0295E-05	9.81094E-05	9.11316E-05	1257
1258	9.62898E-05	0.00010287	3.08246E-05	9.50873E-05	0.000100452	9.96554E-05	0.000106183	3.02094E-05	9.50873E-05	9.1831E-05	1258
1259	9.59837E-05	0.00010248	3.13539E-05	9.37022E-05	0.000100895	9.88E-05	0.000105231	3.03768E-05	9.37022E-05	9.22813E-05	1259
1260	9.29982E-05	9.93098E-05	3.02025E-05	9.04785E-05	9.40168E-05	9.56017E-05	0.000101838	2.92504E-05	9.04785E-05	8.66727E-05	1260
1261	9.07113E-05	9.68458E-05	2.96782E-05	8.81353E-05	9.37656E-05	9.31799E-05	9.92436E-05	2.86682E-05	8.81353E-05	8.64199E-05	1261
1262	8.86661E-05	9.47013E-05	2.86212E-05	8.7168E-05	9.24092E-05	9.157E-05	9.75526E-05	2.79205E-05	8.7168E-05	8.50319E-05	1262
1263	8.94537E-05	9.55809E-05	2.84935E-05	8.80154E-05	9.71734E-05	9.2447E-05	9.85134E-05	2.79051E-05	8.80154E-05	8.84824E-05	1263
1264	9.47007E-05	0.000101206	2.99812E-05	9.29787E-05	9.41624E-05	9.77944E-05	0.000104225	2.93742E-05	9.29787E-05	8.53977E-05	1264
1265	0.000104666	0.00011192	3.24984E-05	0.000102477	9.16867E-05	0.000108008	0.000115156	3.19541E-05	0.000102477	8.2862E-05	1265
1266	0.000119108	0.000127171	3.88843E-05	0.000114236	9.01907E-05	0.000121684	0.000129614	3.73201E-05	0.000114236	8.13325E-05	1266
1267	0.000131011	0.000139376	4.7779E-05	0.000122634	7.48422E-05	0.000132082	0.000140348	4.41413E-05	0.000122634	6.84855E-05	1267
1268	0.000132478	0.000140625	5.142E-05	0.000122176	6.21447E-05	0.000132487	0.000140563	4.65596E-05	0.000122176	5.83886E-05	1268
1269	0.000129818	0.000137782	5.05778E-05	0.000117418	5.37577E-05	0.000128771	0.000136591	4.55732E-05	0.000117418	5.12479E-05	1269
1270	0.000123545	0.000131326	4.61384E-05	0.000110774	4.77585E-05	0.000122269	0.000129816	4.19837E-05	0.000110774	4.65719E-05	1270
1271	0.000112519	0.000119837	3.97095E-05	0.000102948	4.63102E-05	0.000112471	0.000119568	3.69659E-05	0.000102948	4.50937E-05	1271
1272	0.000102951	0.000110041	3.24098E-05	9.71174E-05	4.55038E-05	0.000104539	0.000111401	3.1536E-05	9.71174E-05	4.42716E-05	1272
1273	8.80145E-05	9.43947E-05	2.45366E-05	8.61775E-05	4.56444E-05	9.10467E-05	9.7228E-05	2.52834E-05	8.61775E-05	4.44349E-05	1273
1274	8.56699E-05	9.21003E-05	2.1693E-05	8.527E-05	4.58196E-05	8.94228E-05	9.56396E-05	2.32817E-05	8.527E-05	4.46174E-05	1274
1275	8.46492E-05	9.10855E-05	2.06125E-05	8.51698E-05	4.66855E-05	8.88361E-05	9.50641E-05	2.25758E-05	8.51698E-05	4.55116E-05	1275
1276	8.68404E-05	9.34757E-05	2.08244E-05	8.7945E-05	4.83905E-05	9.14188E-05	9.78481E-05	2.30166E-05	8.7945E-05	4.72659E-05	1276
1277	9.28175E-05	9.98416E-05	2.29331E-05	9.43527E-05	5.19165E-05	9.7817E-05	0.00010465	2.51218E-05	9.43527E-05	5.08835E-05	1277
1278	0.000100572	0.000108068	2.59958E-05	0.000101112	5.30379E-05	0.000105391	0.000112682	2.78164E-05	0.000101112	5.1991E-05	1278
1279	0.000104014	0.000111498	2.95604E-05	0.000105076	9.90619E-05	0.000109012	0.000116386	3.05606E-05	0.000105076	9.05084E-05	1279
1280	9.9919E-05	0.000106927	3.01944E-05	0.000101267	9.87192E-05	0.000104725	0.000111701	3.0508E-05	0.000101267	9.00963E-05	1280
1281	9.77627E-05	0.000104534	3.03948E-05	9.81094E-05	9.9757E-05	0.000101959	0.000108695	3.0295E-05	9.81094E-05	9.11316E-05	1281
1282	9.62898E-05	0.00010287	3.08246E-05	9.50873E-05	0.000100452	9.96554E-05	0.000106183	3.02094E-05	9.50873E-05	9.1831E-05	1282
1283	9.59837E-05	0.00010248	3.13539E-05	9.37022E-05	0.000100895	9.88E-05	0.000105231	3.03768E-05	9.37022E-05	9.22813E-05	1283

1284	9.29982E-05	9.93098E-05	3.02025E-05	9.04785E-05	9.40168E-05	9.56017E-05	0.000101838	2.92504E-05	9.04785E-05	8.66727E-05	**1284**
1285	9.07113E-05	9.68458E-05	2.96782E-05	8.81353E-05	9.37656E-05	9.31799E-05	9.92436E-05	2.86682E-05	8.81353E-05	8.64199E-05	**1285**
1286	8.86661E-05	9.47013E-05	2.86212E-05	8.7168E-05	9.24092E-05	9.157E-05	9.75526E-05	2.79205E-05	8.7168E-05	8.50319E-05	**1286**
1287	8.94537E-05	9.55809E-05	2.84935E-05	8.80154E-05	9.71734E-05	9.2447E-05	9.85134E-05	2.79051E-05	8.80154E-05	8.84824E-05	**1287**
1288	9.47007E-05	0.000101206	2.99812E-05	9.29787E-05	9.41624E-05	9.77944E-05	0.000104225	2.93742E-05	9.29787E-05	8.53977E-05	**1288**
1289	0.000104666	0.00011192	3.24984E-05	0.000102477	9.16867E-05	0.000108008	0.000115156	3.19541E-05	0.000102477	8.2862E-05	**1289**
1290	0.000119108	0.000127171	3.88843E-05	0.000114236	9.01907E-05	0.000121684	0.000129614	3.73201E-05	0.000114236	8.13325E-05	**1290**
1291	0.000131011	0.000139376	4.7779E-05	0.000122634	7.48422E-05	0.000132082	0.000140348	4.41413E-05	0.000122634	6.84855E-05	**1291**
1292	0.000132478	0.000140625	5.142E-05	0.000122176	6.21447E-05	0.000132487	0.000140563	4.65596E-05	0.000122176	5.83886E-05	**1292**
1293	0.000129818	0.000137782	5.05778E-05	0.000117418	5.37577E-05	0.000128771	0.000136591	4.55732E-05	0.000117418	5.12479E-05	**1293**
1294	0.000123545	0.000131326	4.61384E-05	0.000110774	4.77585E-05	0.000122269	0.000129816	4.19837E-05	0.000110774	4.65719E-05	**1294**
1295	0.000112519	0.000119837	3.97095E-05	0.000102948	4.63102E-05	0.000112471	0.000119568	3.69659E-05	0.000102948	4.50937E-05	**1295**
1296	0.000102951	0.000110041	3.24098E-05	9.71174E-05	4.55038E-05	0.000104539	0.000111401	3.1536E-05	9.71174E-05	4.42716E-05	**1296**
1297	8.80145E-05	9.43947E-05	2.45366E-05	8.61775E-05	4.56444E-05	9.10467E-05	9.7228E-05	2.52834E-05	8.61775E-05	4.44349E-05	**1297**
1298	8.56699E-05	9.21003E-05	2.1693E-05	8.527E-05	4.58196E-05	8.94228E-05	9.56396E-05	2.32817E-05	8.527E-05	4.46174E-05	**1298**
1299	8.46492E-05	9.10855E-05	2.06125E-05	8.51698E-05	4.66855E-05	8.88361E-05	9.50641E-05	2.25758E-05	8.51698E-05	4.55116E-05	**1299**
1300	8.68404E-05	9.34757E-05	2.08244E-05	8.7945E-05	4.83905E-05	9.14188E-05	9.78481E-05	2.30166E-05	8.7945E-05	4.72659E-05	**1300**
1301	9.28175E-05	9.98416E-05	2.29331E-05	9.43527E-05	5.19165E-05	9.7817E-05	0.00010465	2.51218E-05	9.43527E-05	5.08835E-05	**1301**
1302	0.000100572	0.000108068	2.59958E-05	0.000101112	5.30379E-05	0.000105391	0.000112682	2.78164E-05	0.000101112	5.1991E-05	**1302**
1303	0.000104014	0.000111498	2.95604E-05	0.000105076	9.90619E-05	0.000109012	0.000116386	3.05606E-05	0.000105076	9.05084E-05	**1303**
1304	9.9919E-05	0.000106927	3.01944E-05	0.000101267	9.87192E-05	0.000104725	0.000111701	3.0508E-05	0.000101267	9.00963E-05	**1304**
1305	9.77627E-05	0.000104534	3.03948E-05	9.81094E-05	9.9757E-05	0.000101959	0.000108695	3.0295E-05	9.81094E-05	9.11316E-05	**1305**
1306	9.62898E-05	0.00010287	3.08246E-05	9.50873E-05	0.000100452	9.96554E-05	0.000106183	3.02094E-05	9.50873E-05	9.1831E-05	**1306**
1307	9.59837E-05	0.00010248	3.13539E-05	9.37022E-05	0.000100895	9.88E-05	0.000105231	3.03768E-05	9.37022E-05	9.22813E-05	**1307**
1308	9.29982E-05	9.93098E-05	3.02025E-05	9.04785E-05	9.40168E-05	9.56017E-05	0.000101838	2.92504E-05	9.04785E-05	8.66727E-05	**1308**
1309	9.07113E-05	9.68458E-05	2.96782E-05	8.81353E-05	9.37656E-05	9.31799E-05	9.92436E-05	2.86682E-05	8.81353E-05	8.64199E-05	**1309**
1310	8.86661E-05	9.47013E-05	2.86212E-05	8.7168E-05	9.24092E-05	9.157E-05	9.75526E-05	2.79205E-05	8.7168E-05	8.50319E-05	**1310**
1311	8.94537E-05	9.55809E-05	2.84935E-05	8.80154E-05	9.71734E-05	9.2447E-05	9.85134E-05	2.79051E-05	8.80154E-05	8.84824E-05	**1311**
1312	9.47007E-05	0.000101206	2.99812E-05	9.29787E-05	9.41624E-05	9.77944E-05	0.000104225	2.93742E-05	9.29787E-05	8.53977E-05	**1312**
1313	0.000104666	0.00011192	3.24984E-05	0.000102477	9.16867E-05	0.000108008	0.000115156	3.19541E-05	0.000102477	8.2862E-05	**1313**
1314	0.000119108	0.000127171	3.88843E-05	0.000114236	9.01907E-05	0.000121684	0.000129614	3.73201E-05	0.000114236	8.13325E-05	**1314**
1315	0.000131011	0.000139376	4.7779E-05	0.000122634	7.48422E-05	0.000132082	0.000140348	4.41413E-05	0.000122634	6.84855E-05	**1315**
1316	0.000132478	0.000140625	5.142E-05	0.000122176	6.21447E-05	0.000132487	0.000140563	4.65596E-05	0.000122176	5.83886E-05	**1316**
1317	0.000129818	0.000137782	5.05778E-05	0.000117418	5.37577E-05	0.000128771	0.000136591	4.55732E-05	0.000117418	5.12479E-05	**1317**
1318	0.000123545	0.000131326	4.61384E-05	0.000110774	4.77585E-05	0.000122269	0.000129816	4.19837E-05	0.000110774	4.65719E-05	**1318**
1319	0.000112519	0.000119837	3.97095E-05	0.000102948	4.63102E-05	0.000112471	0.000119568	3.69659E-05	0.000102948	4.50937E-05	**1319**
1320	0.000102951	0.000110041	3.24098E-05	9.71174E-05	4.55038E-05	0.000104539	0.000111401	3.1536E-05	9.71174E-05	4.42716E-05	**1320**
1321	8.80145E-05	9.43947E-05	2.45366E-05	8.61775E-05	4.56444E-05	9.10467E-05	9.7228E-05	2.52834E-05	8.61775E-05	4.44349E-05	**1321**
1322	8.56699E-05	9.21003E-05	2.1693E-05	8.527E-05	4.58196E-05	8.94228E-05	9.56396E-05	2.32817E-05	8.527E-05	4.46174E-05	**1322**
1323	8.46492E-05	9.10855E-05	2.06125E-05	8.51698E-05	4.66855E-05	8.88361E-05	9.50641E-05	2.25758E-05	8.51698E-05	4.55116E-05	**1323**
1324	8.68404E-05	9.34757E-05	2.08244E-05	8.7945E-05	4.83905E-05	9.14188E-05	9.78481E-05	2.30166E-05	8.7945E-05	4.72659E-05	**1324**
1325	9.28175E-05	9.98416E-05	2.29331E-05	9.43527E-05	5.19165E-05	9.7817E-05	0.00010465	2.51218E-05	9.43527E-05	5.08835E-05	**1325**
1326	0.000100572	0.000108068	2.59958E-05	0.000101112	5.30379E-05	0.000105391	0.000112682	2.78164E-05	0.000101112	5.1991E-05	**1326**
1327	0.000104014	0.000111498	2.95604E-05	0.000105076	9.90619E-05	0.000109012	0.000116386	3.05606E-05	0.000105076	9.05084E-05	**1327**
1328	9.9919E-05	0.000106927	3.01944E-05	0.000101267	9.87192E-05	0.000104725	0.000111701	3.0508E-05	0.000101267	9.00963E-05	**1328**
1329	9.77627E-05	0.000104534	3.03948E-05	9.81094E-05	9.9757E-05	0.000101959	0.000108695	3.0295E-05	9.81094E-05	9.11316E-05	**1329**
1330	9.62898E-05	0.00010287	3.08246E-05	9.50873E-05	0.000100452	9.96554E-05	0.000106183	3.02094E-05	9.50873E-05	9.1831E-05	**1330**
1331	9.59837E-05	0.00010248	3.13539E-05	9.37022E-05	0.000100895	9.88E-05	0.000105231	3.03768E-05	9.37022E-05	9.22813E-05	**1331**
1332	9.29982E-05	9.93098E-05	3.02025E-05	9.04785E-05	9.40168E-05	9.56017E-05	0.000101838	2.92504E-05	9.04785E-05	8.66727E-05	**1332**
1333	9.07113E-05	9.68458E-05	2.96782E-05	8.81353E-05	9.37656E-05	9.31799E-05	9.92436E-05	2.86682E-05	8.81353E-05	8.64199E-05	**1333**
1334	8.86661E-05	9.47013E-05	2.86212E-05	8.7168E-05	9.24092E-05	9.157E-05	9.75526E-05	2.79205E-05	8.7168E-05	8.50319E-05	**1334**
1335	8.94537E-05	9.55809E-05	2.84935E-05	8.80154E-05	9.71734E-05	9.2447E-05	9.85134E-05	2.79051E-05	8.80154E-05	8.84824E-05	**1335**
1336	9.47007E-05	0.000101206	2.99812E-05	9.29787E-05	9.41624E-05	9.77944E-05	0.000104225	2.93742E-05	9.29787E-05	8.53977E-05	**1336**
1337	0.000104666	0.00011192	3.24984E-05	0.000102477	9.16867E-05	0.000108008	0.000115156	3.19541E-05	0.000102477	8.2862E-05	**1337**
1338	0.000119108	0.000127171	3.88843E-05	0.000114236	9.01907E-05	0.000121684	0.000129614	3.73201E-05	0.000114236	8.13325E-05	**1338**
1339	0.000131011	0.000139376	4.7779E-05	0.000122634	7.48422E-05	0.000132082	0.000140348	4.41413E-05	0.000122634	6.84855E-05	**1339**
1340	0.000132478	0.000140625	5.142E-05	0.000122176	6.21447E-05	0.000132487	0.000140563	4.65596E-05	0.000122176	5.83886E-05	**1340**
1341	0.000129818	0.000137782	5.05778E-05	0.000117418	5.37577E-05	0.000128771	0.000136591	4.55732E-05	0.000117418	5.12479E-05	**1341**
1342	0.000123545	0.000131326	4.61384E-05	0.000110774	4.77585E-05	0.000122269	0.000129816	4.19837E-05	0.000110774	4.65719E-05	**1342**
1343	0.000112519	0.000119837	3.97095E-05	0.000102948	4.63102E-05	0.000112471	0.000119568	3.69659E-05	0.000102948	4.50937E-05	**1343**
1344	0.000102951	0.000110041	3.24098E-05	9.71174E-05	4.55038E-05	0.000104539	0.000111401	3.1536E-05	9.71174E-05	4.42716E-05	**1344**
1345	8.80145E-05	9.43947E-05	2.45366E-05	8.61775E-05	4.56444E-05	9.10467E-05	9.7228E-05	2.52834E-05	8.61775E-05	4.44349E-05	**1345**
1346	8.56699E-05	9.21003E-05	2.1693E-05	8.527E-05	4.58196E-05	8.94228E-05	9.56396E-05	2.32817E-05	8.527E-05	4.46174E-05	**1346**
1347	8.46492E-05	9.10855E-05	2.06125E-05	8.51698E-05	4.66855E-05	8.88361E-05	9.50641E-05	2.25758E-05	8.51698E-05	4.55116E-05	**1347**
1348	8.68404E-05	9.34757E-05	2.08244E-05	8.7945E-05	4.83905E-05	9.14188E-05	9.78481E-05	2.30166E-05	8.7945E-05	4.72659E-05	**1348**
1349	9.28175E-05	9.98416E-05	2.29331E-05	9.43527E-05	5.19165E-05	9.7817E-05	0.00010465	2.51218E-05	9.43527E-05	5.08835E-05	**1349**
1350	0.000100572	0.000108068	2.59958E-05	0.000101112	5.30379E-05	0.000105391	0.000112682	2.78164E-05	0.000101112	5.1991E-05	**1350**
1351	0.000104014	0.000111498	2.95604E-05	0.000105076	9.90619E-05	0.000109012	0.000116386	3.05606E-05	0.000105076	9.05084E-05	**1351**
1352	9.9919E-05	0.000106927	3.01944E-05	0.000101267	9.87192E-05	0.000104725	0.000111701	3.0508E-05	0.000101267	9.00963E-05	**1352**
1353	9.77627E-05	0.000104534	3.03948E-05	9.81094E-05	9.9757E-05	0.000101959	0.000108695	3.0295E-05	9.81094E-05	9.11316E-05	**1353**
1354	9.62898E-05	0.00010287	3.08246E-05	9.50873E-05	0.000100452	9.96554E-05	0.000106183	3.02094E-05	9.50873E-05	9.1831E-05	**1354**
1355	9.59837E-05	0.00010248	3.13539E-05	9.37022E-05	0.000100895	9.88E-05	0.000105231	3.03768E-05	9.37022E-05	9.22813E-05	**1355**
1356	9.29982E-05	9.93098E-05	3.02025E-05	9.04785E-05	9.40168E-05	9.56017E-05	0.000101838	2.92504E-05	9.04785E-05	8.66727E-05	**1356**
1357	9.07113E-05	9.68458E-05	2.96782E-05	8.81353E-05	9.37656E-05	9.31799E-05	9.92436E-05	2.86682E-05	8.81353E-05	8.64199E-05	**1357**
1358	8.86661E-05	9.47013E-05	2.86212E-05	8.7168E-05	9.24092E-05	9.157E-05	9.75526E-05	2.79205E-05	8.7168E-05	8.50319E-05	**1358**
1359	8.94537E-05	9.55809E-05	2.84935E-05	8.80154E-05	9.71734E-05	9.2447E-05	9.85134E-05	2.79051E-05	8.80154E-05	8.84824E-05	**1359**

1360	9.47007E-05	0.000101206	2.99812E-05	9.29787E-05	9.41624E-05	9.77944E-05	0.000104225	2.93742E-05	9.29787E-05	8.53977E-05	1360
1361	0.000104666	0.00011192	3.24984E-05	0.000102477	9.16867E-05	0.000108008	0.000115156	3.19541E-05	0.000102477	8.2862E-05	1361
1362	0.000119108	0.000127171	3.88843E-05	0.000114236	9.01907E-05	0.000121684	0.000129614	3.73201E-05	0.000114236	8.13325E-05	1362
1363	0.000131011	0.000139376	4.7779E-05	0.000122634	7.48422E-05	0.000132082	0.000140348	4.41413E-05	0.000122634	6.84855E-05	1363
1364	0.000132478	0.000140625	5.142E-05	0.000122176	6.21447E-05	0.000132487	0.000140563	4.65596E-05	0.000122176	5.83886E-05	1364
1365	0.000129818	0.000137782	5.05778E-05	0.000117418	5.37577E-05	0.000128771	0.000136591	4.55732E-05	0.000117418	5.12479E-05	1365
1366	0.000123545	0.000131326	4.61384E-05	0.000110774	4.77585E-05	0.000122269	0.000129816	4.19837E-05	0.000110774	4.65719E-05	1366
1367	0.000112519	0.000119837	3.97095E-05	0.000102948	4.63102E-05	0.000112471	0.000119568	3.69659E-05	0.000102948	4.50937E-05	1367
1368	0.000102951	0.000110041	3.24098E-05	9.71174E-05	4.55038E-05	0.000104539	0.000111401	3.1536E-05	9.71174E-05	4.42716E-05	1368
1369	8.88717E-05	9.53204E-05	2.47123E-05	8.71489E-05	4.53687E-05	9.19981E-05	9.82482E-05	2.55029E-05	8.71489E-05	4.41511E-05	1369
1370	8.61977E-05	9.26686E-05	2.18181E-05	8.59777E-05	4.58831E-05	9.00566E-05	9.63174E-05	2.34483E-05	8.59777E-05	4.46822E-05	1370
1371	8.51756E-05	9.16526E-05	2.07343E-05	8.58571E-05	4.6823E-05	8.94602E-05	9.57317E-05	2.27366E-05	8.58571E-05	4.56521E-05	1371
1372	8.73922E-05	9.40713E-05	2.09397E-05	8.85848E-05	4.85573E-05	9.20376E-05	9.85114E-05	2.31621E-05	8.85848E-05	4.74366E-05	1372
1373	9.35719E-05	0.000100655	2.30969E-05	9.52671E-05	5.22069E-05	9.86804E-05	0.000105575	2.5332E-05	9.52671E-05	5.11813E-05	1373
1374	0.000101488	0.000109057	2.61888E-05	0.000102184	5.34374E-05	0.000106423	0.000113788	2.80607E-05	0.000102184	5.24007E-05	1374
1375	0.000106404	0.000114102	2.98199E-05	0.000106395	9.95077E-05	0.000111056	0.000118592	3.08828E-05	0.000106395	9.09653E-05	1375
1376	0.000100378	0.000107421	3.03127E-05	0.000101943	9.93502E-05	0.000105304	0.000112319	3.06704E-05	0.000101943	9.07417E-05	1376
1377	9.81747E-05	0.000104976	3.05043E-05	9.8739E-05	0.000100521	0.000102487	0.000109259	3.04472E-05	9.8739E-05	9.19119E-05	1377
1378	9.66211E-05	0.000103227	3.08949E-05	9.54786E-05	0.000101291	0.00010003	0.000106584	3.02987E-05	9.54786E-05	9.26877E-05	1378
1379	9.63636E-05	0.00010289	3.14347E-05	9.41516E-05	0.000101695	9.923E-05	0.000105692	3.04795E-05	9.41516E-05	9.30977E-05	1379
1380	9.33369E-05	9.96751E-05	3.02763E-05	9.08909E-05	9.48375E-05	9.59901E-05	0.000102254	2.93453E-05	9.08909E-05	8.75102E-05	1380
1381	9.10632E-05	9.72249E-05	2.97596E-05	8.8594E-05	9.45637E-05	9.35968E-05	9.96895E-05	2.87755E-05	8.8594E-05	8.72337E-05	1381
1382	8.88744E-05	9.49228E-05	2.86986E-05	8.76289E-05	9.31181E-05	9.18998E-05	9.79023E-05	2.80383E-05	8.76289E-05	8.57552E-05	1382
1383	8.97502E-05	9.58983E-05	2.85812E-05	8.8526E-05	9.77313E-05	9.28526E-05	9.89454E-05	2.80312E-05	8.8526E-05	8.90511E-05	1383
1384	9.51383E-05	0.000101676	3.00931E-05	9.36188E-05	9.45579E-05	9.83433E-05	0.000104811	2.95276E-05	9.36188E-05	8.58009E-05	1384
1385	0.000105168	0.00011246	3.26133E-05	0.000103124	9.20195E-05	0.000108599	0.000115789	3.2105E-05	0.000103124	8.32016E-05	1385
1386	0.000119874	0.000127997	3.90533E-05	0.000115181	9.04816E-05	0.000122568	0.000130561	3.75384E-05	0.000115181	8.16295E-05	1386
1387	0.000131818	0.000140246	4.79622E-05	0.000123664	7.50409E-05	0.000133029	0.000141361	4.43811E-05	0.000123664	6.86883E-05	1387
1388	0.000133258	0.000141467	5.15906E-05	0.000123129	6.22638E-05	0.000133383	0.000141523	4.67793E-05	0.000123129	5.85094E-05	1388
1389	0.000129147	0.000137034	5.0686E-05	0.000118148	5.38762E-05	0.000128679	0.000136477	4.57199E-05	0.000118148	5.13681E-05	1389
1390	0.000124261	0.000132098	4.62899E-05	0.000111616	4.7907E-05	0.000123077	0.000130682	4.21759E-05	0.000111616	4.67229E-05	1390
1391	0.000113225	0.000120599	3.98586E-05	0.000103777	4.63441E-05	0.000113267	0.000120421	3.71548E-05	0.000103777	4.51262E-05	1391
1392	0.000103547	0.000110684	3.25433E-05	9.78668E-05	4.53652E-05	0.000105233	0.000112144	3.17098E-05	9.78668E-05	4.41264E-05	1392
1393	8.88717E-05	9.53204E-05	2.47123E-05	8.71489E-05	4.53687E-05	9.19981E-05	9.82482E-05	2.55029E-05	8.71489E-05	4.41511E-05	1393
1394	8.61977E-05	9.26686E-05	2.18181E-05	8.59777E-05	4.58831E-05	9.00566E-05	9.63174E-05	2.34483E-05	8.59777E-05	4.46822E-05	1394
1395	8.51756E-05	9.16526E-05	2.07343E-05	8.58571E-05	4.6823E-05	8.94602E-05	9.57317E-05	2.27366E-05	8.58571E-05	4.56521E-05	1395
1396	8.73922E-05	9.40713E-05	2.09397E-05	8.85848E-05	4.85573E-05	9.20376E-05	9.85114E-05	2.31621E-05	8.85848E-05	4.74366E-05	1396
1397	9.35719E-05	0.000100655	2.30969E-05	9.52671E-05	5.22069E-05	9.86804E-05	0.000105575	2.5332E-05	9.52671E-05	5.11813E-05	1397
1398	0.000101488	0.000109057	2.61888E-05	0.000102184	5.34374E-05	0.000106423	0.000113788	2.80607E-05	0.000102184	5.24007E-05	1398
1399	0.000106404	0.000114102	2.98199E-05	0.000106395	9.95077E-05	0.000111056	0.000118592	3.08828E-05	0.000106395	9.09653E-05	1399
1400	0.000100378	0.000107421	3.03127E-05	0.000101943	9.93502E-05	0.000105304	0.000112319	3.06704E-05	0.000101943	9.07417E-05	1400
1401	9.81747E-05	0.000104976	3.05043E-05	9.8739E-05	0.000100521	0.000102487	0.000109259	3.04472E-05	9.8739E-05	9.19119E-05	1401
1402	9.66211E-05	0.000103227	3.08949E-05	9.54786E-05	0.000101291	0.00010003	0.000106584	3.02987E-05	9.54786E-05	9.26877E-05	1402
1403	9.63636E-05	0.00010289	3.14347E-05	9.41516E-05	0.000101695	9.923E-05	0.000105692	3.04795E-05	9.41516E-05	9.30977E-05	1403
1404	9.33369E-05	9.96751E-05	3.02763E-05	9.08909E-05	9.48375E-05	9.59901E-05	0.000102254	2.93453E-05	9.08909E-05	8.75102E-05	1404
1405	9.10632E-05	9.72249E-05	2.97596E-05	8.8594E-05	9.45637E-05	9.35968E-05	9.96895E-05	2.87755E-05	8.8594E-05	8.72337E-05	1405
1406	8.88744E-05	9.49228E-05	2.86986E-05	8.76289E-05	9.31181E-05	9.18998E-05	9.79023E-05	2.80383E-05	8.76289E-05	8.57552E-05	1406
1407	8.97502E-05	9.58983E-05	2.85812E-05	8.8526E-05	9.77313E-05	9.28526E-05	9.89454E-05	2.80312E-05	8.8526E-05	8.90511E-05	1407
1408	9.51383E-05	0.000101676	3.00931E-05	9.36188E-05	9.45579E-05	9.83433E-05	0.000104811	2.95276E-05	9.36188E-05	8.58009E-05	1408
1409	0.000105168	0.00011246	3.26133E-05	0.000103124	9.20195E-05	0.000108599	0.000115789	3.2105E-05	0.000103124	8.32016E-05	1409
1410	0.000119874	0.000127997	3.90533E-05	0.000115181	9.04816E-05	0.000122568	0.000130561	3.75384E-05	0.000115181	8.16295E-05	1410
1411	0.000131818	0.000140246	4.79622E-05	0.000123664	7.50409E-05	0.000133029	0.000141361	4.43811E-05	0.000123664	6.86883E-05	1411
1412	0.000133258	0.000141467	5.15906E-05	0.000123129	6.22638E-05	0.000133383	0.000141523	4.67793E-05	0.000123129	5.85094E-05	1412
1413	0.000129147	0.000137034	5.0686E-05	0.000118148	5.38762E-05	0.000128679	0.000136477	4.57199E-05	0.000118148	5.13681E-05	1413
1414	0.000124261	0.000132098	4.62899E-05	0.000111616	4.7907E-05	0.000123077	0.000130682	4.21759E-05	0.000111616	4.67229E-05	1414
1415	0.000113225	0.000120599	3.98586E-05	0.000103777	4.63441E-05	0.000113267	0.000120421	3.71548E-05	0.000103777	4.51262E-05	1415
1416	0.000103547	0.000110684	3.25433E-05	9.78668E-05	4.53652E-05	0.000105233	0.000112144	3.17098E-05	9.78668E-05	4.41264E-05	1416
1417	2.09708E-05	2.24651E-05	6.10368E-06	2.12441E-05	4.56444E-05	2.23197E-05	2.38297E-05	6.25372E-06	2.12441E-05	4.44349E-05	1417
1418	2.0384E-05	2.18908E-05	5.39217E-06	2.10168E-05	4.58196E-05	2.19124E-05	2.34313E-05	5.75284E-06	2.10168E-05	4.46174E-05	1418
1419	2.01379E-05	2.16472E-05	5.12165E-06	2.09918E-05	4.66855E-05	2.17694E-05	2.32915E-05	5.57575E-06	2.09918E-05	4.55116E-05	1419
1420	2.06559E-05	2.2212E-05	5.17367E-06	2.16757E-05	4.83905E-05	2.24021E-05	2.39736E-05	5.68361E-06	2.16757E-05	4.72659E-05	1420
1421	2.20887E-05	2.3736E-05	5.69916E-06	2.32572E-05	5.19165E-05	2.39756E-05	2.56459E-05	6.20516E-06	2.32572E-05	5.08835E-05	1421
1422	2.39286E-05	2.5684E-05	6.46347E-06	2.49231E-05	5.30379E-05	2.58268E-05	2.76082E-05	6.8749E-06	2.49231E-05	5.1991E-05	1422
1423	2.47258E-05	2.64714E-05	7.35811E-06	2.59024E-05	9.90619E-05	2.67049E-05	2.85042E-05	7.56237E-06	2.59024E-05	9.05084E-05	1423
1424	2.37144E-05	2.53419E-05	7.52205E-06	2.49631E-05	9.87192E-05	2.56382E-05	2.73378E-05	7.55619E-06	2.49631E-05	9.00963E-05	1424
1425	2.32079E-05	2.47793E-05	7.5734E-06	2.41853E-05	9.9757E-05	2.49608E-05	2.66015E-05	7.50586E-06	2.41853E-05	9.11316E-05	1425
1426	2.28543E-05	2.43792E-05	7.68221E-06	2.34395E-05	0.000100452	2.43914E-05	2.59803E-05	7.4877E-06	2.34395E-05	9.1831E-05	1426
1427	2.2779E-05	2.4283E-05	7.81532E-06	2.30974E-05	0.000100895	2.41783E-05	2.5743E-05	7.53133E-06	2.30974E-05	9.22813E-05	1427
1428	2.20603E-05	2.35209E-05	7.52831E-06	2.23014E-05	9.40168E-05	2.33904E-05	2.49073E-05	7.25212E-06	2.23014E-05	8.66727E-05	1428
1429	2.15215E-05	2.29411E-05	7.3979E-06	2.17243E-05	9.37656E-05	2.27992E-05	2.4274E-05	7.10824E-06	2.17243E-05	8.64199E-05	1429
1430	2.10441E-05	2.24423E-05	7.13353E-06	2.14871E-05	9.24092E-05	2.24112E-05	2.38672E-05	6.92115E-06	2.14871E-05	8.50319E-05	1430
1431	2.12222E-05	2.26415E-05	7.10128E-06	2.16949E-05	9.71734E-05	2.26222E-05	2.40984E-05	6.91669E-06	2.16949E-05	8.84824E-05	1431
1432	2.24586E-05	2.3965E-05	7.47197E-06	2.29172E-05	9.41624E-05	2.39266E-05	2.54912E-05	7.28076E-06	2.29172E-05	8.53977E-05	1432
1433	2.48E-05	2.64786E-05	8.09883E-06	2.52554E-05	9.16867E-05	2.64151E-05	2.81535E-05	7.91953E-06	2.52554E-05	8.2862E-05	1433
1434	2.82299E-05	3.0093E-05	9.69339E-06	2.81536E-05	9.01907E-05	2.97573E-05	3.16844E-05	9.25494E-06	2.81536E-05	8.13325E-05	1434
1435	3.113E-05	3.30611E-05	1.19169E-05	3.02328E-05	7.48422E-05	3.23267E-05	3.43353E-05	1.09571E-05	3.02328E-05	6.84855E-05	1435

1436	3.15282E-05	3.34077E-05	1.28285E-05	3.01258E-05	6.21447E-05	3.24427E-05	3.44053E-05	1.15634E-05	3.01258E-05	5.83886E-05	1436
1437	3.09543E-05	3.27975E-05	1.26156E-05	2.89554E-05	5.37577E-05	3.1554E-05	3.34561E-05	1.13171E-05	2.89554E-05	5.12479E-05	1437
1438	2.94882E-05	3.1296E-05	1.15029E-05	2.73157E-05	4.77585E-05	2.99725E-05	3.18102E-05	1.042E-05	2.73157E-05	4.65719E-05	1438
1439	2.68489E-05	2.85528E-05	9.89624E-06	2.53843E-05	4.63102E-05	2.75721E-05	2.93019E-05	9.16855E-06	2.53843E-05	4.50937E-05	1439
1440	2.453E-05	2.61843E-05	8.07088E-06	2.39417E-05	4.55038E-05	2.56188E-05	2.72925E-05	7.81231E-06	2.39417E-05	4.42716E-05	1440
1441	7.48124E-05	8.01612E-05	2.15955E-05	6.96029E-05	4.50278E-05	7.56851E-05	8.07828E-05	2.14504E-05	6.96029E-05	4.37837E-05	1441
1442	7.28675E-05	7.82962E-05	1.88557E-05	6.93167E-05	4.52823E-05	7.4579E-05	7.9747E-05	1.95964E-05	6.93167E-05	4.40498E-05	1442
1443	7.31764E-05	7.87207E-05	1.80144E-05	7.05183E-05	4.64428E-05	7.53783E-05	8.06614E-05	1.91709E-05	7.05183E-05	4.52484E-05	1443
1444	7.69348E-05	8.28058E-05	1.85239E-05	7.49194E-05	4.91845E-05	7.96347E-05	8.52428E-05	1.99696E-05	7.49194E-05	4.80642E-05	1444
1445	8.37615E-05	9.00956E-05	2.07424E-05	8.1864E-05	5.28821E-05	8.6789E-05	9.28626E-05	2.21709E-05	8.1864E-05	5.18467E-05	1445
1446	9.05384E-05	9.72598E-05	2.36654E-05	8.7891E-05	5.39182E-05	9.34423E-05	9.99012E-05	2.47252E-05	8.7891E-05	5.2862E-05	1446
1447	9.16183E-05	9.8135E-05	2.67824E-05	8.93857E-05	9.9884E-05	9.45325E-05	0.000100887	2.69271E-05	8.93857E-05	9.13119E-05	1447
1448	8.6979E-05	9.29736E-05	2.73371E-05	8.51546E-05	9.88791E-05	8.97269E-05	9.56424E-05	2.67923E-05	8.51546E-05	9.02254E-05	1448
1449	8.31667E-05	8.87944E-05	2.71757E-05	7.99677E-05	9.98318E-05	8.50553E-05	9.05955E-05	2.61122E-05	7.99677E-05	9.11772E-05	1449
1450	8.15189E-05	8.69363E-05	2.76207E-05	7.70692E-05	0.000100341	8.26987E-05	8.80209E-05	2.60752E-05	7.70692E-05	9.16795E-05	1450
1451	8.05861E-05	8.58687E-05	2.80278E-05	7.50063E-05	0.000101085	8.11619E-05	8.6338E-05	2.60924E-05	7.50063E-05	9.24327E-05	1451
1452	7.86102E-05	8.37918E-05	2.70581E-05	7.27688E-05	9.43185E-05	7.90149E-05	8.40751E-05	2.51785E-05	7.27688E-05	8.69323E-05	1452
1453	7.77866E-05	8.29116E-05	2.67971E-05	7.18485E-05	9.47421E-05	7.8114E-05	8.31155E-05	2.49032E-05	7.18485E-05	8.73679E-05	1453
1454	7.58797E-05	8.0918E-05	2.57527E-05	7.09445E-05	9.39812E-05	7.66168E-05	8.1547E-05	2.41631E-05	7.09445E-05	8.65923E-05	1454
1455	7.69092E-05	8.20487E-05	2.57755E-05	7.27226E-05	9.89156E-05	7.80501E-05	8.30931E-05	2.43979E-05	7.27226E-05	9.02198E-05	1455
1456	8.0972E-05	8.63877E-05	2.70909E-05	7.67937E-05	9.54617E-05	8.22804E-05	8.75992E-05	2.56936E-05	7.67937E-05	8.66865E-05	1456
1457	8.78511E-05	9.37658E-05	2.90053E-05	8.29787E-05	9.20775E-05	8.91488E-05	9.49399E-05	2.7537E-05	8.29787E-05	8.32238E-05	1457
1458	9.83045E-05	0.000104699	3.4686E-05	9.09019E-05	9.00521E-05	9.86984E-05	0.00010496	3.20831E-05	9.09019E-05	8.11517E-05	1458
1459	0.000108768	0.00011535	4.32823E-05	9.75751E-05	7.46031E-05	0.000107457	0.000113937	3.85168E-05	9.75751E-05	6.82139E-05	1459
1460	0.000112058	0.000118567	4.7293E-05	9.91217E-05	6.20775E-05	0.000109857	0.000116293	4.13884E-05	9.91217E-05	5.82976E-05	1460
1461	0.000110783	0.000117221	4.67312E-05	9.59127E-05	5.35667E-05	0.000107669	0.000113959	4.07507E-05	9.59127E-05	5.10327E-05	1461
1462	0.000104989	0.000111283	4.2362E-05	8.96617E-05	4.73234E-05	0.000101634	0.000107686	3.72377E-05	8.96617E-05	4.61066E-05	1462
1463	9.53051E-05	0.000101253	3.61297E-05	8.28975E-05	4.58368E-05	9.31246E-05	9.88298E-05	3.24262E-05	8.28975E-05	4.45912E-05	1463
1464	8.64975E-05	9.22818E-05	2.89474E-05	7.77405E-05	4.508E-05	8.59554E-05	9.14845E-05	2.71302E-05	7.77405E-05	4.38216E-05	1464
1465	7.48124E-05	8.01612E-05	2.15955E-05	6.96029E-05	4.50278E-05	7.56851E-05	8.07828E-05	2.14504E-05	6.96029E-05	4.37837E-05	1465
1466	7.28675E-05	7.82962E-05	1.88557E-05	6.93167E-05	4.52823E-05	7.4579E-05	7.9747E-05	1.95964E-05	6.93167E-05	4.40498E-05	1466
1467	7.31764E-05	7.87207E-05	1.80144E-05	7.05183E-05	4.64428E-05	7.53783E-05	8.06614E-05	1.91709E-05	7.05183E-05	4.52484E-05	1467
1468	7.69348E-05	8.28058E-05	1.85239E-05	7.49194E-05	4.91845E-05	7.96347E-05	8.52428E-05	1.99696E-05	7.49194E-05	4.80642E-05	1468
1469	8.37615E-05	9.00956E-05	2.07424E-05	8.1864E-05	5.28821E-05	8.6789E-05	9.28626E-05	2.21709E-05	8.1864E-05	5.18467E-05	1469
1470	9.05384E-05	9.72598E-05	2.36654E-05	8.7891E-05	5.39182E-05	9.34423E-05	9.99012E-05	2.47252E-05	8.7891E-05	5.2862E-05	1470
1471	9.16183E-05	9.8135E-05	2.67824E-05	8.93857E-05	9.9884E-05	9.45325E-05	0.000100887	2.69271E-05	8.93857E-05	9.13119E-05	1471
1472	8.6979E-05	9.29736E-05	2.73371E-05	8.51546E-05	9.88791E-05	8.97269E-05	9.56424E-05	2.67923E-05	8.51546E-05	9.02254E-05	1472
1473	8.31667E-05	8.87944E-05	2.71757E-05	7.99677E-05	9.98318E-05	8.50553E-05	9.05955E-05	2.61122E-05	7.99677E-05	9.11772E-05	1473
1474	8.15189E-05	8.69363E-05	2.76207E-05	7.70692E-05	0.000100341	8.26987E-05	8.80209E-05	2.60752E-05	7.70692E-05	9.16795E-05	1474
1475	8.05861E-05	8.58687E-05	2.80278E-05	7.50063E-05	0.000101085	8.11619E-05	8.6338E-05	2.60924E-05	7.50063E-05	9.24327E-05	1475
1476	7.86102E-05	8.37918E-05	2.70581E-05	7.27688E-05	9.43185E-05	7.90149E-05	8.40751E-05	2.51785E-05	7.27688E-05	8.69323E-05	1476
1477	7.77866E-05	8.29116E-05	2.67971E-05	7.18485E-05	9.47421E-05	7.8114E-05	8.31155E-05	2.49032E-05	7.18485E-05	8.73679E-05	1477
1478	7.58797E-05	8.0918E-05	2.57527E-05	7.09445E-05	9.39812E-05	7.66168E-05	8.1547E-05	2.41631E-05	7.09445E-05	8.65923E-05	1478
1479	7.69092E-05	8.20487E-05	2.57755E-05	7.27226E-05	9.89156E-05	7.80501E-05	8.30931E-05	2.43979E-05	7.27226E-05	9.02198E-05	1479
1480	8.0972E-05	8.63877E-05	2.70909E-05	7.67937E-05	9.54617E-05	8.22804E-05	8.75992E-05	2.56936E-05	7.67937E-05	8.66865E-05	1480
1481	8.78511E-05	9.37658E-05	2.90053E-05	8.29787E-05	9.20775E-05	8.91488E-05	9.49399E-05	2.7537E-05	8.29787E-05	8.32238E-05	1481
1482	9.83045E-05	0.000104699	3.4686E-05	9.09019E-05	9.00521E-05	9.86984E-05	0.00010496	3.20831E-05	9.09019E-05	8.11517E-05	1482
1483	0.000108768	0.00011535	4.32823E-05	9.75751E-05	7.46031E-05	0.000107457	0.000113937	3.85168E-05	9.75751E-05	6.82139E-05	1483
1484	0.000112058	0.000118567	4.7293E-05	9.91217E-05	6.20775E-05	0.000109857	0.000116293	4.13884E-05	9.91217E-05	5.82976E-05	1484
1485	0.000110783	0.000117221	4.67312E-05	9.59127E-05	5.35667E-05	0.000107669	0.000113959	4.07507E-05	9.59127E-05	5.10327E-05	1485
1486	0.000104989	0.000111283	4.2362E-05	8.96617E-05	4.73234E-05	0.000101634	0.000107686	3.72377E-05	8.96617E-05	4.61066E-05	1486
1487	9.53051E-05	0.000101253	3.61297E-05	8.28975E-05	4.58368E-05	9.31246E-05	9.88298E-05	3.24262E-05	8.28975E-05	4.45912E-05	1487
1488	8.64975E-05	9.22818E-05	2.89474E-05	7.77405E-05	4.508E-05	8.59554E-05	9.14845E-05	2.71302E-05	7.77405E-05	4.38216E-05	1488
1489	7.48124E-05	8.01612E-05	2.15955E-05	6.96029E-05	4.50278E-05	7.56851E-05	8.07828E-05	2.14504E-05	6.96029E-05	4.37837E-05	1489
1490	7.28675E-05	7.82962E-05	1.88557E-05	6.93167E-05	4.52823E-05	7.4579E-05	7.9747E-05	1.95964E-05	6.93167E-05	4.40498E-05	1490
1491	7.31764E-05	7.87207E-05	1.80144E-05	7.05183E-05	4.64428E-05	7.53783E-05	8.06614E-05	1.91709E-05	7.05183E-05	4.52484E-05	1491
1492	7.69348E-05	8.28058E-05	1.85239E-05	7.49194E-05	4.91845E-05	7.96347E-05	8.52428E-05	1.99696E-05	7.49194E-05	4.80642E-05	1492
1493	8.37615E-05	9.00956E-05	2.07424E-05	8.1864E-05	5.28821E-05	8.6789E-05	9.28626E-05	2.21709E-05	8.1864E-05	5.18467E-05	1493
1494	9.05384E-05	9.72598E-05	2.36654E-05	8.7891E-05	5.39182E-05	9.34423E-05	9.99012E-05	2.47252E-05	8.7891E-05	5.2862E-05	1494
1495	9.16183E-05	9.8135E-05	2.67824E-05	8.93857E-05	9.9884E-05	9.45325E-05	0.000100887	2.69271E-05	8.93857E-05	9.13119E-05	1495
1496	8.6979E-05	9.29736E-05	2.73371E-05	8.51546E-05	9.88791E-05	8.97269E-05	9.56424E-05	2.67923E-05	8.51546E-05	9.02254E-05	1496
1497	8.31667E-05	8.87944E-05	2.71757E-05	7.99677E-05	9.98318E-05	8.50553E-05	9.05955E-05	2.61122E-05	7.99677E-05	9.11772E-05	1497
1498	8.15189E-05	8.69363E-05	2.76207E-05	7.70692E-05	0.000100341	8.26987E-05	8.80209E-05	2.60752E-05	7.70692E-05	9.16795E-05	1498
1499	8.05861E-05	8.58687E-05	2.80278E-05	7.50063E-05	0.000101085	8.11619E-05	8.6338E-05	2.60924E-05	7.50063E-05	9.24327E-05	1499
1500	7.86102E-05	8.37918E-05	2.70581E-05	7.27688E-05	9.43185E-05	7.90149E-05	8.40751E-05	2.51785E-05	7.27688E-05	8.69323E-05	1500
1501	7.77866E-05	8.29116E-05	2.67971E-05	7.18485E-05	9.47421E-05	7.8114E-05	8.31155E-05	2.49032E-05	7.18485E-05	8.73679E-05	1501
1502	7.58797E-05	8.0918E-05	2.57527E-05	7.09445E-05	9.39812E-05	7.66168E-05	8.1547E-05	2.41631E-05	7.09445E-05	8.65923E-05	1502
1503	7.69092E-05	8.20487E-05	2.57755E-05	7.27226E-05	9.89156E-05	7.80501E-05	8.30931E-05	2.43979E-05	7.27226E-05	9.02198E-05	1503
1504	8.0972E-05	8.63877E-05	2.70909E-05	7.67937E-05	9.54617E-05	8.22804E-05	8.75992E-05	2.56936E-05	7.67937E-05	8.66865E-05	1504
1505	8.78511E-05	9.37658E-05	2.90053E-05	8.29787E-05	9.20775E-05	8.91488E-05	9.49399E-05	2.7537E-05	8.29787E-05	8.32238E-05	1505
1506	9.83045E-05	0.000104699	3.4686E-05	9.09019E-05	9.00521E-05	9.86984E-05	0.00010496	3.20831E-05	9.09019E-05	8.11517E-05	1506
1507	0.000108768	0.00011535	4.32823E-05	9.75751E-05	7.46031E-05	0.000107457	0.000113937	3.85168E-05	9.75751E-05	6.82139E-05	1507
1508	0.000112058	0.000118567	4.7293E-05	9.91217E-05	6.20775E-05	0.000109857	0.000116293	4.13884E-05	9.91217E-05	5.82976E-05	1508
1509	0.000110783	0.000117221	4.67312E-05	9.59127E-05	5.35667E-05	0.000107669	0.000113959	4.07507E-05	9.59127E-05	5.10327E-05	1509
1510	0.000104989	0.000111283	4.2362E-05	8.96617E-05	4.73234E-05	0.000101634	0.000107686	3.72377E-05	8.96617E-05	4.61066E-05	1510
1511	9.53051E-05	0.000101253	3.61297E-05	8.28975E-05	4.58368E-05	9.31246E-05	9.88298E-05	3.24262E-05	8.28975E-05	4.45912E-05	1511

1512	8.64975E-05	9.22818E-05	2.89474E-05	7.77405E-05	4.508E-05	8.59554E-05	9.14845E-05	2.71302E-05	7.77405E-05	4.38216E-05	1512
1513	7.48124E-05	8.01612E-05	2.15955E-05	6.96029E-05	4.50278E-05	7.56851E-05	8.07828E-05	2.14504E-05	6.96029E-05	4.37837E-05	1513
1514	7.28675E-05	7.82962E-05	1.88557E-05	6.93167E-05	4.52823E-05	7.4579E-05	7.9747E-05	1.95964E-05	6.93167E-05	4.40498E-05	1514
1515	7.31764E-05	7.87207E-05	1.80144E-05	7.05183E-05	4.64428E-05	7.53783E-05	8.06614E-05	1.91709E-05	7.05183E-05	4.52484E-05	1515
1516	7.69348E-05	8.28058E-05	1.85239E-05	7.49194E-05	4.91845E-05	7.96347E-05	8.52428E-05	1.99696E-05	7.49194E-05	4.80642E-05	1516
1517	8.37615E-05	9.00956E-05	2.07424E-05	8.1864E-05	5.28821E-05	8.6789E-05	9.28626E-05	2.21709E-05	8.1864E-05	5.18467E-05	1517
1518	9.05384E-05	9.72598E-05	2.36654E-05	8.7891E-05	5.39182E-05	9.34423E-05	9.99012E-05	2.47252E-05	8.7891E-05	5.2862E-05	1518
1519	9.16183E-05	9.8135E-05	2.67824E-05	8.93857E-05	9.9884E-05	9.45325E-05	0.000100887	2.69271E-05	8.93857E-05	9.13119E-05	1519
1520	8.6979E-05	9.29736E-05	2.73371E-05	8.51546E-05	9.88791E-05	8.97269E-05	9.56424E-05	2.67923E-05	8.51546E-05	9.02254E-05	1520
1521	8.31667E-05	8.87944E-05	2.71757E-05	7.99677E-05	9.98318E-05	8.50553E-05	9.05955E-05	2.61122E-05	7.99677E-05	9.11772E-05	1521
1522	8.15189E-05	8.69363E-05	2.76207E-05	7.70692E-05	0.000100341	8.26987E-05	8.80209E-05	2.60752E-05	7.70692E-05	9.16795E-05	1522
1523	8.05861E-05	8.58687E-05	2.80278E-05	7.50063E-05	0.000101085	8.11619E-05	8.6338E-05	2.60924E-05	7.50063E-05	9.24327E-05	1523
1524	7.86102E-05	8.37918E-05	2.70581E-05	7.27688E-05	9.43185E-05	7.90149E-05	8.40751E-05	2.51785E-05	7.27688E-05	8.69323E-05	1524
1525	7.77866E-05	8.29116E-05	2.67971E-05	7.18485E-05	9.47421E-05	7.8114E-05	8.31155E-05	2.49032E-05	7.18485E-05	8.73679E-05	1525
1526	7.58797E-05	8.0918E-05	2.57527E-05	7.09445E-05	9.39812E-05	7.66168E-05	8.1547E-05	2.41631E-05	7.09445E-05	8.65923E-05	1526
1527	7.69092E-05	8.20487E-05	2.57755E-05	7.27226E-05	9.89156E-05	7.80501E-05	8.30931E-05	2.43979E-05	7.27226E-05	9.02198E-05	1527
1528	8.0972E-05	8.63877E-05	2.70909E-05	7.67937E-05	9.54617E-05	8.22804E-05	8.75992E-05	2.56936E-05	7.67937E-05	8.66865E-05	1528
1529	8.78511E-05	9.37658E-05	2.90053E-05	8.29787E-05	9.20775E-05	8.91488E-05	9.49399E-05	2.7537E-05	8.29787E-05	8.32238E-05	1529
1530	9.83045E-05	0.000104699	3.4686E-05	9.09019E-05	9.00521E-05	9.86984E-05	0.00010496	3.20831E-05	9.09019E-05	8.11517E-05	1530
1531	0.000108768	0.00011535	4.32823E-05	9.75751E-05	7.46031E-05	0.000107457	0.000113937	3.85168E-05	9.75751E-05	6.82139E-05	1531
1532	0.000112058	0.000118567	4.7293E-05	9.91217E-05	6.20775E-05	0.000109857	0.000116293	4.13884E-05	9.91217E-05	5.82976E-05	1532
1533	0.000110783	0.000117221	4.67312E-05	9.59127E-05	5.35667E-05	0.000107669	0.000113959	4.07507E-05	9.59127E-05	5.10327E-05	1533
1534	0.000104989	0.000111283	4.2362E-05	8.96617E-05	4.73234E-05	0.000101634	0.000107686	3.72377E-05	8.96617E-05	4.61066E-05	1534
1535	9.53051E-05	0.000101253	3.61297E-05	8.28975E-05	4.58368E-05	9.31246E-05	9.88298E-05	3.24262E-05	8.28975E-05	4.45912E-05	1535
1536	8.64975E-05	9.22818E-05	2.89474E-05	7.77405E-05	4.508E-05	8.59554E-05	9.14845E-05	2.71302E-05	7.77405E-05	4.38216E-05	1536
1537	7.47735E-05	8.01193E-05	2.15868E-05	6.9554E-05	4.49322E-05	7.56399E-05	8.07344E-05	2.1439E-05	6.9554E-05	4.3689E-05	1537
1538	7.3176E-05	7.86289E-05	1.89237E-05	6.96972E-05	4.52413E-05	7.49349E-05	8.01281E-05	1.96842E-05	6.96972E-05	4.40096E-05	1538
1539	7.35001E-05	7.90699E-05	1.80848E-05	7.09117E-05	4.64292E-05	7.57493E-05	8.10587E-05	1.92614E-05	7.09117E-05	4.52369E-05	1539
1540	7.72886E-05	8.31875E-05	1.85991E-05	7.53381E-05	4.91557E-05	8.00351E-05	8.56719E-05	2.00652E-05	7.53381E-05	4.80377E-05	1540
1541	8.41655E-05	9.05314E-05	2.08294E-05	8.23491E-05	5.2849E-05	8.72493E-05	9.33557E-05	2.22822E-05	8.23491E-05	5.18157E-05	1541
1542	9.08607E-05	9.76075E-05	2.3735E-05	8.82789E-05	5.38749E-05	9.38099E-05	0.000100295	2.48142E-05	8.82789E-05	5.28207E-05	1542
1543	9.34485E-05	0.000100136	2.69183E-05	9.00127E-05	9.98476E-05	9.59296E-05	0.0001024	2.70895E-05	9.00127E-05	9.12773E-05	1543
1544	8.74545E-05	9.34865E-05	2.74414E-05	8.5738E-05	9.88469E-05	9.02742E-05	9.62285E-05	2.69268E-05	8.5738E-05	9.01945E-05	1544
1545	8.37075E-05	8.93773E-05	2.72977E-05	8.06532E-05	9.98199E-05	8.56873E-05	9.1272E-05	2.62715E-05	8.06532E-05	9.11669E-05	1545
1546	8.20559E-05	8.75153E-05	2.77388E-05	7.77295E-05	0.00010034	8.33174E-05	8.86834E-05	2.62276E-05	7.77295E-05	9.16796E-05	1546
1547	8.10482E-05	8.6367E-05	2.813E-05	7.55782E-05	0.000101079	8.16959E-05	8.69098E-05	2.62246E-05	7.55782E-05	9.24283E-05	1547
1548	7.90452E-05	8.42606E-05	2.71556E-05	7.33165E-05	9.43113E-05	7.95217E-05	8.46176E-05	2.53056E-05	7.33165E-05	8.69265E-05	1548
1549	7.82922E-05	8.34571E-05	2.69062E-05	7.24572E-05	9.47606E-05	7.86909E-05	8.37334E-05	2.5043E-05	7.24572E-05	8.73882E-05	1549
1550	7.62958E-05	8.13671E-05	2.58405E-05	7.1432E-05	9.40309E-05	7.70856E-05	8.20495E-05	2.42742E-05	7.1432E-05	8.6644E-05	1550
1551	7.7232E-05	8.23966E-05	2.58476E-05	7.3127E-05	9.89541E-05	7.84253E-05	8.34947E-05	2.44917E-05	7.3127E-05	9.02602E-05	1551
1552	8.13002E-05	8.67408E-05	2.71699E-05	7.72423E-05	9.54724E-05	8.26782E-05	8.80244E-05	2.57996E-05	7.72423E-05	8.66986E-05	1552
1553	8.82218E-05	9.41648E-05	2.90944E-05	8.34839E-05	9.2074E-05	8.95975E-05	9.54196E-05	2.76564E-05	8.34839E-05	8.32215E-05	1553
1554	9.87056E-05	0.000105131	3.47814E-05	9.1442E-05	9.00461E-05	9.91811E-05	0.000105476	3.22104E-05	9.1442E-05	8.11467E-05	1554
1555	0.000109187	0.000115801	4.33787E-05	9.81186E-05	7.45956E-05	0.000107952	0.000114466	3.86438E-05	9.81186E-05	6.82074E-05	1555
1556	0.000112548	0.000119096	4.74067E-05	9.97626E-05	6.20601E-05	0.000110439	0.000116915	4.15384E-05	9.97626E-05	5.82817E-05	1556
1557	0.000109903	0.000116244	4.68134E-05	9.65135E-05	5.35334E-05	0.000107393	0.000113645	4.0875E-05	9.65135E-05	5.10014E-05	1557
1558	0.000105651	0.000111998	4.25121E-05	9.05055E-05	4.72752E-05	0.00010241	0.000108517	3.7434E-05	9.05055E-05	4.60605E-05	1558
1559	9.61303E-05	0.000102143	3.63071E-05	8.38865E-05	4.57831E-05	9.40641E-05	9.98363E-05	3.2653E-05	8.38865E-05	4.45394E-05	1559
1560	8.69068E-05	9.27231E-05	2.90392E-05	7.82557E-05	4.49296E-05	8.64322E-05	9.19949E-05	2.72497E-05	7.82557E-05	4.36722E-05	1560
1561	7.47735E-05	8.01193E-05	2.15868E-05	6.9554E-05	4.49322E-05	7.56399E-05	8.07344E-05	2.1439E-05	6.9554E-05	4.3689E-05	1561
1562	7.3176E-05	7.86289E-05	1.89237E-05	6.96972E-05	4.52413E-05	7.49349E-05	8.01281E-05	1.96842E-05	6.96972E-05	4.40096E-05	1562
1563	7.35001E-05	7.90699E-05	1.80848E-05	7.09117E-05	4.64292E-05	7.57493E-05	8.10587E-05	1.92614E-05	7.09117E-05	4.52369E-05	1563
1564	7.72886E-05	8.31875E-05	1.85991E-05	7.53381E-05	4.91557E-05	8.00351E-05	8.56719E-05	2.00652E-05	7.53381E-05	4.80377E-05	1564
1565	8.41655E-05	9.05314E-05	2.08294E-05	8.23491E-05	5.2849E-05	8.72493E-05	9.33557E-05	2.22822E-05	8.23491E-05	5.18157E-05	1565
1566	9.08607E-05	9.76075E-05	2.3735E-05	8.82789E-05	5.38749E-05	9.38099E-05	0.000100295	2.48142E-05	8.82789E-05	5.28207E-05	1566
1567	9.34485E-05	0.000100136	2.69183E-05	9.00127E-05	9.98476E-05	9.59296E-05	0.0001024	2.70895E-05	9.00127E-05	9.12773E-05	1567
1568	8.74545E-05	9.34865E-05	2.74414E-05	8.5738E-05	9.88469E-05	9.02742E-05	9.62285E-05	2.69268E-05	8.5738E-05	9.01945E-05	1568
1569	8.37075E-05	8.93773E-05	2.72977E-05	8.06532E-05	9.98199E-05	8.56873E-05	9.1272E-05	2.62715E-05	8.06532E-05	9.11669E-05	1569
1570	8.20559E-05	8.75153E-05	2.77388E-05	7.77295E-05	0.00010034	8.33174E-05	8.86834E-05	2.62276E-05	7.77295E-05	9.16796E-05	1570
1571	8.10482E-05	8.6367E-05	2.813E-05	7.55782E-05	0.000101079	8.16959E-05	8.69098E-05	2.62246E-05	7.55782E-05	9.24283E-05	1571
1572	7.90452E-05	8.42606E-05	2.71556E-05	7.33165E-05	9.43113E-05	7.95217E-05	8.46176E-05	2.53056E-05	7.33165E-05	8.69265E-05	1572
1573	7.82922E-05	8.34571E-05	2.69062E-05	7.24572E-05	9.47606E-05	7.86909E-05	8.37334E-05	2.5043E-05	7.24572E-05	8.73882E-05	1573
1574	7.62958E-05	8.13671E-05	2.58405E-05	7.1432E-05	9.40309E-05	7.70856E-05	8.20495E-05	2.42742E-05	7.1432E-05	8.6644E-05	1574
1575	7.7232E-05	8.23966E-05	2.58476E-05	7.3127E-05	9.89541E-05	7.84253E-05	8.34947E-05	2.44917E-05	7.3127E-05	9.02602E-05	1575
1576	8.13002E-05	8.67408E-05	2.71699E-05	7.72423E-05	9.54724E-05	8.26782E-05	8.80244E-05	2.57996E-05	7.72423E-05	8.66986E-05	1576
1577	8.82218E-05	9.41648E-05	2.90944E-05	8.34839E-05	9.2074E-05	8.95975E-05	9.54196E-05	2.76564E-05	8.34839E-05	8.32215E-05	1577
1578	9.87056E-05	0.000105131	3.47814E-05	9.1442E-05	9.00461E-05	9.91811E-05	0.000105476	3.22104E-05	9.1442E-05	8.11467E-05	1578
1579	0.000109187	0.000115801	4.33787E-05	9.81186E-05	7.45956E-05	0.000107952	0.000114466	3.86438E-05	9.81186E-05	6.82074E-05	1579
1580	0.000112548	0.000119096	4.74067E-05	9.97626E-05	6.20601E-05	0.000110439	0.000116915	4.15384E-05	9.97626E-05	5.82817E-05	1580
1581	0.000109903	0.000116244	4.68134E-05	9.65135E-05	5.35334E-05	0.000107393	0.000113645	4.0875E-05	9.65135E-05	5.10014E-05	1581
1582	0.000105651	0.000111998	4.25121E-05	9.05055E-05	4.72752E-05	0.00010241	0.000108517	3.7434E-05	9.05055E-05	4.60605E-05	1582
1583	9.61303E-05	0.000102143	3.63071E-05	8.38865E-05	4.57831E-05	9.40641E-05	9.98363E-05	3.2653E-05	8.38865E-05	4.45394E-05	1583
1584	8.69068E-05	9.27231E-05	2.90392E-05	7.82557E-05	4.49296E-05	8.64322E-05	9.19949E-05	2.72497E-05	7.82557E-05	4.36722E-05	1584
1585	7.48124E-05	8.01612E-05	2.15955E-05	6.96029E-05	4.50278E-05	7.56851E-05	8.07828E-05	2.14504E-05	6.96029E-05	4.37837E-05	1585
1586	7.28675E-05	7.82962E-05	1.88557E-05	6.93167E-05	4.52823E-05	7.4579E-05	7.9747E-05	1.95964E-05	6.93167E-05	4.40498E-05	1586
1587	7.31764E-05	7.87207E-05	1.80144E-05	7.05183E-05	4.64428E-05	7.53783E-05	8.06614E-05	1.91709E-05	7.05183E-05	4.52484E-05	1587

1588	7.69348E-05	8.28058E-05	1.85239E-05	7.49194E-05	4.91845E-05	7.96347E-05	8.52428E-05	1.99696E-05	7.49194E-05	4.80642E-05	1588
1589	8.37615E-05	9.00956E-05	2.07424E-05	8.1864E-05	5.28821E-05	8.6789E-05	9.28626E-05	2.21709E-05	8.1864E-05	5.18467E-05	1589
1590	9.05384E-05	9.72598E-05	2.36654E-05	8.7891E-05	5.39182E-05	9.34423E-05	9.99012E-05	2.47252E-05	8.7891E-05	5.2862E-05	1590
1591	9.16183E-05	9.8135E-05	2.67824E-05	8.93857E-05	9.9884E-05	9.45325E-05	0.000100887	2.69271E-05	8.93857E-05	9.13119E-05	1591
1592	8.6979E-05	9.29736E-05	2.73371E-05	8.51546E-05	9.88791E-05	8.97269E-05	9.56424E-05	2.67923E-05	8.51546E-05	9.02254E-05	1592
1593	8.31667E-05	8.87944E-05	2.71757E-05	7.99677E-05	9.98318E-05	8.50553E-05	9.05955E-05	2.61122E-05	7.99677E-05	9.11772E-05	1593
1594	8.15189E-05	8.69363E-05	2.76207E-05	7.70692E-05	0.000100341	8.26987E-05	8.80209E-05	2.60752E-05	7.70692E-05	9.16795E-05	1594
1595	8.05861E-05	8.58687E-05	2.80278E-05	7.50063E-05	0.000101085	8.11619E-05	8.6338E-05	2.60924E-05	7.50063E-05	9.24327E-05	1595
1596	7.86102E-05	8.37918E-05	2.70581E-05	7.27688E-05	9.43185E-05	7.90149E-05	8.40751E-05	2.51785E-05	7.27688E-05	8.69323E-05	1596
1597	7.77866E-05	8.29116E-05	2.67971E-05	7.18485E-05	9.47421E-05	7.8114E-05	8.31155E-05	2.49032E-05	7.18485E-05	8.73679E-05	1597
1598	7.58797E-05	8.0918E-05	2.57527E-05	7.09445E-05	9.39812E-05	7.66168E-05	8.1547E-05	2.41631E-05	7.09445E-05	8.65923E-05	1598
1599	7.69092E-05	8.20487E-05	2.57755E-05	7.27226E-05	9.89156E-05	7.80501E-05	8.30931E-05	2.43979E-05	7.27226E-05	9.02198E-05	1599
1600	8.0972E-05	8.63877E-05	2.70909E-05	7.67937E-05	9.54617E-05	8.22804E-05	8.75992E-05	2.56936E-05	7.67937E-05	8.66865E-05	1600
1601	8.78511E-05	9.37658E-05	2.90053E-05	8.29787E-05	9.20775E-05	8.91488E-05	9.49399E-05	2.7537E-05	8.29787E-05	8.32238E-05	1601
1602	9.83045E-05	0.000104699	3.4686E-05	9.09019E-05	9.00521E-05	9.86984E-05	0.00010496	3.20831E-05	9.09019E-05	8.11517E-05	1602
1603	0.000108768	0.00011535	4.32823E-05	9.75751E-05	7.46031E-05	0.000107457	0.000113937	3.85168E-05	9.75751E-05	6.82139E-05	1603
1604	0.000112058	0.000118567	4.7293E-05	9.91217E-05	6.20775E-05	0.000109857	0.000116293	4.13884E-05	9.91217E-05	5.82976E-05	1604
1605	0.000110783	0.000117221	4.67312E-05	9.59127E-05	5.35667E-05	0.000107669	0.000113959	4.07507E-05	9.59127E-05	5.10327E-05	1605
1606	0.000104989	0.000111283	4.2362E-05	8.96617E-05	4.73234E-05	0.000101634	0.000107686	3.72377E-05	8.96617E-05	4.61066E-05	1606
1607	9.53051E-05	0.000101253	3.61297E-05	8.28975E-05	4.58368E-05	9.31246E-05	9.88298E-05	3.24262E-05	8.28975E-05	4.45912E-05	1607
1608	8.64975E-05	9.22818E-05	2.89474E-05	7.77405E-05	4.508E-05	8.59554E-05	9.14845E-05	2.71302E-05	7.77405E-05	4.38216E-05	1608
1609	7.48124E-05	8.01612E-05	2.15955E-05	6.96029E-05	4.50278E-05	7.56851E-05	8.07828E-05	2.14504E-05	6.96029E-05	4.37837E-05	1609
1610	7.28675E-05	7.82962E-05	1.88557E-05	6.93167E-05	4.52823E-05	7.4579E-05	7.9747E-05	1.95964E-05	6.93167E-05	4.40498E-05	1610
1611	7.31764E-05	7.87207E-05	1.80144E-05	7.05183E-05	4.64428E-05	7.53783E-05	8.06614E-05	1.91709E-05	7.05183E-05	4.52484E-05	1611
1612	7.69348E-05	8.28058E-05	1.85239E-05	7.49194E-05	4.91845E-05	7.96347E-05	8.52428E-05	1.99696E-05	7.49194E-05	4.80642E-05	1612
1613	8.37615E-05	9.00956E-05	2.07424E-05	8.1864E-05	5.28821E-05	8.6789E-05	9.28626E-05	2.21709E-05	8.1864E-05	5.18467E-05	1613
1614	9.05384E-05	9.72598E-05	2.36654E-05	8.7891E-05	5.39182E-05	9.34423E-05	9.99012E-05	2.47252E-05	8.7891E-05	5.2862E-05	1614
1615	9.16183E-05	9.8135E-05	2.67824E-05	8.93857E-05	9.9884E-05	9.45325E-05	0.000100887	2.69271E-05	8.93857E-05	9.13119E-05	1615
1616	8.6979E-05	9.29736E-05	2.73371E-05	8.51546E-05	9.88791E-05	8.97269E-05	9.56424E-05	2.67923E-05	8.51546E-05	9.02254E-05	1616
1617	8.31667E-05	8.87944E-05	2.71757E-05	7.99677E-05	9.98318E-05	8.50553E-05	9.05955E-05	2.61122E-05	7.99677E-05	9.11772E-05	1617
1618	8.15189E-05	8.69363E-05	2.76207E-05	7.70692E-05	0.000100341	8.26987E-05	8.80209E-05	2.60752E-05	7.70692E-05	9.16795E-05	1618
1619	8.05861E-05	8.58687E-05	2.80278E-05	7.50063E-05	0.000101085	8.11619E-05	8.6338E-05	2.60924E-05	7.50063E-05	9.24327E-05	1619
1620	7.86102E-05	8.37918E-05	2.70581E-05	7.27688E-05	9.43185E-05	7.90149E-05	8.40751E-05	2.51785E-05	7.27688E-05	8.69323E-05	1620
1621	7.77866E-05	8.29116E-05	2.67971E-05	7.18485E-05	9.47421E-05	7.8114E-05	8.31155E-05	2.49032E-05	7.18485E-05	8.73679E-05	1621
1622	7.58797E-05	8.0918E-05	2.57527E-05	7.09445E-05	9.39812E-05	7.66168E-05	8.1547E-05	2.41631E-05	7.09445E-05	8.65923E-05	1622
1623	7.69092E-05	8.20487E-05	2.57755E-05	7.27226E-05	9.89156E-05	7.80501E-05	8.30931E-05	2.43979E-05	7.27226E-05	9.02198E-05	1623
1624	8.0972E-05	8.63877E-05	2.70909E-05	7.67937E-05	9.54617E-05	8.22804E-05	8.75992E-05	2.56936E-05	7.67937E-05	8.66865E-05	1624
1625	8.78511E-05	9.37658E-05	2.90053E-05	8.29787E-05	9.20775E-05	8.91488E-05	9.49399E-05	2.7537E-05	8.29787E-05	8.32238E-05	1625
1626	9.83045E-05	0.000104699	3.4686E-05	9.09019E-05	9.00521E-05	9.86984E-05	0.00010496	3.20831E-05	9.09019E-05	8.11517E-05	1626
1627	0.000108768	0.00011535	4.32823E-05	9.75751E-05	7.46031E-05	0.000107457	0.000113937	3.85168E-05	9.75751E-05	6.82139E-05	1627
1628	0.000112058	0.000118567	4.7293E-05	9.91217E-05	6.20775E-05	0.000109857	0.000116293	4.13884E-05	9.91217E-05	5.82976E-05	1628
1629	0.000110783	0.000117221	4.67312E-05	9.59127E-05	5.35667E-05	0.000107669	0.000113959	4.07507E-05	9.59127E-05	5.10327E-05	1629
1630	0.000104989	0.000111283	4.2362E-05	8.96617E-05	4.73234E-05	0.000101634	0.000107686	3.72377E-05	8.96617E-05	4.61066E-05	1630
1631	9.53051E-05	0.000101253	3.61297E-05	8.28975E-05	4.58368E-05	9.31246E-05	9.88298E-05	3.24262E-05	8.28975E-05	4.45912E-05	1631
1632	8.64975E-05	9.22818E-05	2.89474E-05	7.77405E-05	4.508E-05	8.59554E-05	9.14845E-05	2.71302E-05	7.77405E-05	4.38216E-05	1632
1633	7.48124E-05	8.01612E-05	2.15955E-05	6.96029E-05	4.50278E-05	7.56851E-05	8.07828E-05	2.14504E-05	6.96029E-05	4.37837E-05	1633
1634	7.28675E-05	7.82962E-05	1.88557E-05	6.93167E-05	4.52823E-05	7.4579E-05	7.9747E-05	1.95964E-05	6.93167E-05	4.40498E-05	1634
1635	7.31764E-05	7.87207E-05	1.80144E-05	7.05183E-05	4.64428E-05	7.53783E-05	8.06614E-05	1.91709E-05	7.05183E-05	4.52484E-05	1635
1636	7.69348E-05	8.28058E-05	1.85239E-05	7.49194E-05	4.91845E-05	7.96347E-05	8.52428E-05	1.99696E-05	7.49194E-05	4.80642E-05	1636
1637	8.37615E-05	9.00956E-05	2.07424E-05	8.1864E-05	5.28821E-05	8.6789E-05	9.28626E-05	2.21709E-05	8.1864E-05	5.18467E-05	1637
1638	9.05384E-05	9.72598E-05	2.36654E-05	8.7891E-05	5.39182E-05	9.34423E-05	9.99012E-05	2.47252E-05	8.7891E-05	5.2862E-05	1638
1639	9.16183E-05	9.8135E-05	2.67824E-05	8.93857E-05	9.9884E-05	9.45325E-05	0.000100887	2.69271E-05	8.93857E-05	9.13119E-05	1639
1640	8.0972E-05	8.63877E-05	2.70909E-05	7.67937E-05	9.54617E-05	8.22804E-05	8.75992E-05	2.56936E-05	7.67937E-05	8.66865E-05	1640
1641	8.31667E-05	8.87944E-05	2.71757E-05	7.99677E-05	9.98318E-05	8.50553E-05	9.05955E-05	2.61122E-05	7.99677E-05	9.11772E-05	1641
1642	8.15189E-05	8.69363E-05	2.76207E-05	7.70692E-05	0.000100341	8.26987E-05	8.80209E-05	2.60752E-05	7.70692E-05	9.16795E-05	1642
1643	8.05861E-05	8.58687E-05	2.80278E-05	7.50063E-05	0.000101085	8.11619E-05	8.6338E-05	2.60924E-05	7.50063E-05	9.24327E-05	1643
1644	7.86102E-05	8.37918E-05	2.70581E-05	7.27688E-05	9.43185E-05	7.90149E-05	8.40751E-05	2.51785E-05	7.27688E-05	8.69323E-05	1644
1645	7.77866E-05	8.29116E-05	2.67971E-05	7.18485E-05	9.47421E-05	7.8114E-05	8.31155E-05	2.49032E-05	7.18485E-05	8.73679E-05	1645
1646	7.58797E-05	8.0918E-05	2.57527E-05	7.09445E-05	9.39812E-05	7.66168E-05	8.1547E-05	2.41631E-05	7.09445E-05	8.65923E-05	1646
1647	7.69092E-05	8.20487E-05	2.57755E-05	7.27226E-05	9.89156E-05	7.80501E-05	8.30931E-05	2.43979E-05	7.27226E-05	9.02198E-05	1647
1648	8.0972E-05	8.63877E-05	2.70909E-05	7.67937E-05	9.54617E-05	8.22804E-05	8.75992E-05	2.56936E-05	7.67937E-05	8.66865E-05	1648
1649	8.78511E-05	9.37658E-05	2.90053E-05	8.29787E-05	9.20775E-05	8.91488E-05	9.49399E-05	2.7537E-05	8.29787E-05	8.32238E-05	1649
1650	9.83045E-05	0.000104699	3.4686E-05	9.09019E-05	9.00521E-05	9.86984E-05	0.00010496	3.20831E-05	9.09019E-05	8.11517E-05	1650
1651	0.000108768	0.00011535	4.32823E-05	9.75751E-05	7.46031E-05	0.000107457	0.000113937	3.85168E-05	9.75751E-05	6.82139E-05	1651
1652	0.000112058	0.000118567	4.7293E-05	9.91217E-05	6.20775E-05	0.000109857	0.000116293	4.13884E-05	9.91217E-05	5.82976E-05	1652
1653	0.000110783	0.000117221	4.67312E-05	9.59127E-05	5.35667E-05	0.000107669	0.000113959	4.07507E-05	9.59127E-05	5.10327E-05	1653
1654	0.000104989	0.000111283	4.2362E-05	8.96617E-05	4.73234E-05	0.000101634	0.000107686	3.72377E-05	8.96617E-05	4.61066E-05	1654
1655	9.53051E-05	0.000101253	3.61297E-05	8.28975E-05	4.58368E-05	9.31246E-05	9.88298E-05	3.24262E-05	8.28975E-05	4.45912E-05	1655
1656	8.64975E-05	9.22818E-05	2.89474E-05	7.77405E-05	4.508E-05	8.59554E-05	9.14845E-05	2.71302E-05	7.77405E-05	4.38216E-05	1656
1657	7.48124E-05	8.01612E-05	2.15955E-05	6.96029E-05	4.50278E-05	7.56851E-05	8.07828E-05	2.14504E-05	6.96029E-05	4.37837E-05	1657
1658	7.28675E-05	7.82962E-05	1.88557E-05	6.93167E-05	4.52823E-05	7.4579E-05	7.9747E-05	1.95964E-05	6.93167E-05	4.40498E-05	1658
1659	7.31764E-05	7.87207E-05	1.80144E-05	7.05183E-05	4.64428E-05	7.53783E-05	8.06614E-05	1.91709E-05	7.05183E-05	4.52484E-05	1659
1660	7.69348E-05	8.28058E-05	1.85239E-05	7.49194E-05	4.91845E-05	7.96347E-05	8.52428E-05	1.99696E-05	7.49194E-05	4.80642E-05	1660
1661	8.37615E-05	9.00956E-05	2.07424E-05	8.1864E-05	5.28821E-05	8.6789E-05	9.28626E-05	2.21709E-05	8.1864E-05	5.18467E-05	1661
1662	9.05384E-05	9.72598E-05	2.36654E-05	8.7891E-05	5.39182E-05	9.34423E-05	9.99012E-05	2.47252E-05	8.7891E-05	5.2862E-05	1662
1663	9.16183E-05	9.8135E-05	2.67824E-05	8.93857E-05	9.9884E-05	9.45325E-05	0.000100887	2.69271E-05	8.93857E-05	9.13119E-05	1663

1664	8.6979E-05	9.29736E-05	2.73371E-05	8.51546E-05	9.88791E-05	8.97269E-05	9.56424E-05	2.67923E-05	8.51546E-05	9.02254E-05	**1664**
1665	8.31667E-05	8.87944E-05	2.71757E-05	7.99677E-05	9.98318E-05	8.50553E-05	9.05955E-05	2.61122E-05	7.99677E-05	9.11772E-05	**1665**
1666	8.15189E-05	8.69363E-05	2.76207E-05	7.70692E-05	0.000100341	8.26987E-05	8.80209E-05	2.60752E-05	7.70692E-05	9.16795E-05	**1666**
1667	8.05861E-05	8.58687E-05	2.80278E-05	7.50063E-05	0.000101085	8.11619E-05	8.6338E-05	2.60924E-05	7.50063E-05	9.24327E-05	**1667**
1668	7.86102E-05	8.37918E-05	2.70581E-05	7.27688E-05	9.43185E-05	7.90149E-05	8.40751E-05	2.51785E-05	7.27688E-05	8.69323E-05	**1668**
1669	7.77866E-05	8.29116E-05	2.67971E-05	7.18485E-05	9.47421E-05	7.8114E-05	8.31155E-05	2.49032E-05	7.18485E-05	8.73679E-05	**1669**
1670	7.58797E-05	8.0918E-05	2.57527E-05	7.09445E-05	9.39812E-05	7.66168E-05	8.1547E-05	2.41631E-05	7.09445E-05	8.65923E-05	**1670**
1671	7.69092E-05	8.20487E-05	2.57755E-05	7.27226E-05	9.89156E-05	7.80501E-05	8.30931E-05	2.43979E-05	7.27226E-05	9.02198E-05	**1671**
1672	8.0972E-05	8.63877E-05	2.70909E-05	7.67937E-05	9.54617E-05	8.22804E-05	8.75992E-05	2.56936E-05	7.67937E-05	8.66865E-05	**1672**
1673	8.78511E-05	9.37658E-05	2.90053E-05	8.29787E-05	9.20775E-05	8.91488E-05	9.49399E-05	2.7537E-05	8.29787E-05	8.32238E-05	**1673**
1674	9.83045E-05	0.000104699	3.4686E-05	9.09019E-05	9.00521E-05	9.86984E-05	0.00010496	3.20831E-05	9.09019E-05	8.11517E-05	**1674**
1675	0.000108768	0.00011535	4.32823E-05	9.75751E-05	7.46031E-05	0.000107457	0.000113937	3.85168E-05	9.75751E-05	6.82139E-05	**1675**
1676	0.000112058	0.000118567	4.7293E-05	9.91217E-05	6.20775E-05	0.000109857	0.000116293	4.13884E-05	9.91217E-05	5.82976E-05	**1676**
1677	0.000110783	0.000117221	4.67312E-05	9.59127E-05	5.35667E-05	0.000107669	0.000113959	4.07507E-05	9.59127E-05	5.10327E-05	**1677**
1678	0.000104989	0.000111283	4.2362E-05	8.96617E-05	4.73234E-05	0.000101634	0.000107686	3.72377E-05	8.96617E-05	4.61066E-05	**1678**
1679	9.53051E-05	0.000101253	3.61297E-05	8.28975E-05	4.58368E-05	9.31246E-05	9.88298E-05	3.24262E-05	8.28975E-05	4.45912E-05	**1679**
1680	8.64975E-05	9.22818E-05	2.89474E-05	7.77405E-05	4.508E-05	8.59554E-05	9.14845E-05	2.71302E-05	7.77405E-05	4.38216E-05	**1680**
1681	7.48124E-05	8.01612E-05	2.15955E-05	6.96029E-05	4.50278E-05	7.56851E-05	8.07828E-05	2.14504E-05	6.96029E-05	4.37837E-05	**1681**
1682	7.28675E-05	7.82962E-05	1.88557E-05	6.93167E-05	4.52823E-05	7.4579E-05	7.9747E-05	1.95964E-05	6.93167E-05	4.40498E-05	**1682**
1683	7.31764E-05	7.87207E-05	1.80144E-05	7.05183E-05	4.64428E-05	7.53783E-05	8.06614E-05	1.91709E-05	7.05183E-05	4.52484E-05	**1683**
1684	7.69348E-05	8.28058E-05	1.85239E-05	7.49194E-05	4.91845E-05	7.96347E-05	8.52428E-05	1.99696E-05	7.49194E-05	4.80642E-05	**1684**
1685	8.37615E-05	9.00956E-05	2.07424E-05	8.1864E-05	5.28821E-05	8.6789E-05	9.28626E-05	2.21709E-05	8.1864E-05	5.18467E-05	**1685**
1686	9.05384E-05	9.72598E-05	2.36654E-05	8.7891E-05	5.39182E-05	9.34423E-05	9.99012E-05	2.47252E-05	8.7891E-05	5.2862E-05	**1686**
1687	9.16183E-05	9.8135E-05	2.67824E-05	8.93857E-05	9.9884E-05	9.45325E-05	0.000100887	2.69271E-05	8.93857E-05	9.13119E-05	**1687**
1688	8.6979E-05	9.29736E-05	2.73371E-05	8.51546E-05	9.88791E-05	8.97269E-05	9.56424E-05	2.67923E-05	8.51546E-05	9.02254E-05	**1688**
1689	8.31667E-05	8.87944E-05	2.71757E-05	7.99677E-05	9.98318E-05	8.50553E-05	9.05955E-05	2.61122E-05	7.99677E-05	9.11772E-05	**1689**
1690	8.15189E-05	8.69363E-05	2.76207E-05	7.70692E-05	0.000100341	8.26987E-05	8.80209E-05	2.60752E-05	7.70692E-05	9.16795E-05	**1690**
1691	8.05861E-05	8.58687E-05	2.80278E-05	7.50063E-05	0.000101085	8.11619E-05	8.6338E-05	2.60924E-05	7.50063E-05	9.24327E-05	**1691**
1692	7.86102E-05	8.37918E-05	2.70581E-05	7.27688E-05	9.43185E-05	7.90149E-05	8.40751E-05	2.51785E-05	7.27688E-05	8.69323E-05	**1692**
1693	7.77866E-05	8.29116E-05	2.67971E-05	7.18485E-05	9.47421E-05	7.8114E-05	8.31155E-05	2.49032E-05	7.18485E-05	8.73679E-05	**1693**
1694	7.58797E-05	8.0918E-05	2.57527E-05	7.09445E-05	9.39812E-05	7.66168E-05	8.1547E-05	2.41631E-05	7.09445E-05	8.65923E-05	**1694**
1695	7.69092E-05	8.20487E-05	2.57755E-05	7.27226E-05	9.89156E-05	7.80501E-05	8.30931E-05	2.43979E-05	7.27226E-05	9.02198E-05	**1695**
1696	8.0972E-05	8.63877E-05	2.70909E-05	7.67937E-05	9.54617E-05	8.22804E-05	8.75992E-05	2.56936E-05	7.67937E-05	8.66865E-05	**1696**
1697	8.78511E-05	9.37658E-05	2.90053E-05	8.29787E-05	9.20775E-05	8.91488E-05	9.49399E-05	2.7537E-05	8.29787E-05	8.32238E-05	**1697**
1698	9.83045E-05	0.000104699	3.4686E-05	9.09019E-05	9.00521E-05	9.86984E-05	0.00010496	3.20831E-05	9.09019E-05	8.11517E-05	**1698**
1699	0.000108768	0.00011535	4.32823E-05	9.75751E-05	7.46031E-05	0.000107457	0.000113937	3.85168E-05	9.75751E-05	6.82139E-05	**1699**
1700	0.000112058	0.000118567	4.7293E-05	9.91217E-05	6.20775E-05	0.000109857	0.000116293	4.13884E-05	9.91217E-05	5.82976E-05	**1700**
1701	0.000110783	0.000117221	4.67312E-05	9.59127E-05	5.35667E-05	0.000107669	0.000113959	4.07507E-05	9.59127E-05	5.10327E-05	**1701**
1702	0.000104989	0.000111283	4.2362E-05	8.96617E-05	4.73234E-05	0.000101634	0.000107686	3.72377E-05	8.96617E-05	4.61066E-05	**1702**
1703	9.53051E-05	0.000101253	3.61297E-05	8.28975E-05	4.58368E-05	9.31246E-05	9.88298E-05	3.24262E-05	8.28975E-05	4.45912E-05	**1703**
1704	8.64975E-05	9.22818E-05	2.89474E-05	7.77405E-05	4.508E-05	8.59554E-05	9.14845E-05	2.71302E-05	7.77405E-05	4.38216E-05	**1704**
1705	7.47735E-05	8.01193E-05	2.15868E-05	6.9554E-05	4.49322E-05	7.56399E-05	8.07344E-05	2.1439E-05	6.9554E-05	4.3689E-05	**1705**
1706	7.3176E-05	7.86289E-05	1.89237E-05	6.96972E-05	4.52413E-05	7.49349E-05	8.01281E-05	1.96842E-05	6.96972E-05	4.40096E-05	**1706**
1707	7.35001E-05	7.90699E-05	1.80848E-05	7.09117E-05	4.64292E-05	7.57493E-05	8.10587E-05	1.92614E-05	7.09117E-05	4.52369E-05	**1707**
1708	7.72886E-05	8.31875E-05	1.85991E-05	7.53381E-05	4.91557E-05	8.00351E-05	8.56719E-05	2.00652E-05	7.53381E-05	4.80377E-05	**1708**
1709	8.41655E-05	9.05314E-05	2.08294E-05	8.23491E-05	5.2849E-05	8.72493E-05	9.33557E-05	2.22822E-05	8.23491E-05	5.18157E-05	**1709**
1710	9.08607E-05	9.76075E-05	2.3735E-05	8.82789E-05	5.38749E-05	9.38099E-05	0.000100295	2.48142E-05	8.82789E-05	5.28207E-05	**1710**
1711	9.34485E-05	0.000100136	2.69183E-05	9.00127E-05	9.98476E-05	9.59296E-05	0.0001024	2.70895E-05	9.00127E-05	9.12773E-05	**1711**
1712	8.74545E-05	9.34865E-05	2.74414E-05	8.5738E-05	9.88469E-05	9.02742E-05	9.62285E-05	2.69268E-05	8.5738E-05	9.01945E-05	**1712**
1713	8.37075E-05	8.93773E-05	2.72977E-05	8.06532E-05	9.98199E-05	8.56873E-05	9.1272E-05	2.62715E-05	8.06532E-05	9.11669E-05	**1713**
1714	8.20559E-05	8.75153E-05	2.77388E-05	7.77295E-05	0.00010034	8.33174E-05	8.86834E-05	2.62276E-05	7.77295E-05	9.16796E-05	**1714**
1715	8.10482E-05	8.6367E-05	2.813E-05	7.55782E-05	0.000101079	8.16959E-05	8.69098E-05	2.62246E-05	7.55782E-05	9.24283E-05	**1715**
1716	7.90452E-05	8.42606E-05	2.71556E-05	7.33165E-05	9.43113E-05	7.95217E-05	8.46176E-05	2.53056E-05	7.33165E-05	8.69265E-05	**1716**
1717	7.82922E-05	8.34571E-05	2.69062E-05	7.24572E-05	9.47606E-05	7.86909E-05	8.37334E-05	2.5043E-05	7.24572E-05	8.73882E-05	**1717**
1718	7.62958E-05	8.13671E-05	2.58405E-05	7.1432E-05	9.40309E-05	7.70856E-05	8.20495E-05	2.42742E-05	7.1432E-05	8.6644E-05	**1718**
1719	7.7232E-05	8.23966E-05	2.58476E-05	7.3127E-05	9.89541E-05	7.84253E-05	8.34947E-05	2.44917E-05	7.3127E-05	9.02602E-05	**1719**
1720	8.13002E-05	8.67408E-05	2.71699E-05	7.72423E-05	9.54724E-05	8.26782E-05	8.80244E-05	2.57996E-05	7.72423E-05	8.66986E-05	**1720**
1721	8.82218E-05	9.41648E-05	2.90944E-05	8.34839E-05	9.2074E-05	8.95975E-05	9.54196E-05	2.76564E-05	8.34839E-05	8.32215E-05	**1721**
1722	9.87056E-05	0.000105131	3.47814E-05	9.1442E-05	9.00461E-05	9.91811E-05	0.000105476	3.22104E-05	9.1442E-05	8.11467E-05	**1722**
1723	0.000109187	0.000115801	4.33787E-05	9.81186E-05	7.45956E-05	0.000107952	0.000114466	3.86438E-05	9.81186E-05	6.82074E-05	**1723**
1724	0.000112548	0.000119096	4.74067E-05	9.97626E-05	6.20601E-05	0.000110439	0.000116915	4.15384E-05	9.97626E-05	5.82817E-05	**1724**
1725	0.000109903	0.000116244	4.68134E-05	9.65135E-05	5.35334E-05	0.000107393	0.000113645	4.0875E-05	9.65135E-05	5.10014E-05	**1725**
1726	0.000105651	0.000111998	4.25121E-05	9.05055E-05	4.72752E-05	0.00010241	0.000108517	3.7434E-05	9.05055E-05	4.60605E-05	**1726**
1727	9.61303E-05	0.000102143	3.63071E-05	8.38865E-05	4.57831E-05	9.40641E-05	9.98363E-05	3.2653E-05	8.38865E-05	4.45394E-05	**1727**
1728	8.69068E-05	9.27231E-05	2.90392E-05	7.82557E-05	4.49296E-05	8.64322E-05	9.19949E-05	2.72497E-05	7.82557E-05	4.36722E-05	**1728**
1729	7.47735E-05	8.01193E-05	2.15868E-05	6.9554E-05	4.49322E-05	7.56399E-05	8.07344E-05	2.1439E-05	6.9554E-05	4.3689E-05	**1729**
1730	7.3176E-05	7.86289E-05	1.89237E-05	6.96972E-05	4.52413E-05	7.49349E-05	8.01281E-05	1.96842E-05	6.96972E-05	4.40096E-05	**1730**
1731	7.35001E-05	7.90699E-05	1.80848E-05	7.09117E-05	4.64292E-05	7.57493E-05	8.10587E-05	1.92614E-05	7.09117E-05	4.52369E-05	**1731**
1732	7.72886E-05	8.31875E-05	1.85991E-05	7.53381E-05	4.91557E-05	8.00351E-05	8.56719E-05	2.00652E-05	7.53381E-05	4.80377E-05	**1732**
1733	8.41655E-05	9.05314E-05	2.08294E-05	8.23491E-05	5.2849E-05	8.72493E-05	9.33557E-05	2.22822E-05	8.23491E-05	5.18157E-05	**1733**
1734	9.08607E-05	9.76075E-05	2.3735E-05	8.82789E-05	5.38749E-05	9.38099E-05	0.000100295	2.48142E-05	8.82789E-05	5.28207E-05	**1734**
1735	9.34485E-05	0.000100136	2.69183E-05	9.00127E-05	9.98476E-05	9.59296E-05	0.0001024	2.70895E-05	9.00127E-05	9.12773E-05	**1735**
1736	8.74545E-05	9.34865E-05	2.74414E-05	8.5738E-05	9.88469E-05	9.02742E-05	9.62285E-05	2.69268E-05	8.5738E-05	9.01945E-05	**1736**
1737	8.37075E-05	8.93773E-05	2.72977E-05	8.06532E-05	9.98199E-05	8.56873E-05	9.1272E-05	2.62715E-05	8.06532E-05	9.11669E-05	**1737**
1738	8.20559E-05	8.75153E-05	2.77388E-05	7.77295E-05	0.00010034	8.33174E-05	8.86834E-05	2.62276E-05	7.77295E-05	9.16796E-05	**1738**
1739	8.10482E-05	8.6367E-05	2.813E-05	7.55782E-05	0.000101079	8.16959E-05	8.69098E-05	2.62246E-05	7.55782E-05	9.24283E-05	**1739**

1740	7.90452E-05	8.42606E-05	2.71556E-05	7.33165E-05	9.43113E-05	7.95217E-05	8.46176E-05	2.53056E-05	7.33165E-05	8.69265E-05	1740
1741	7.82922E-05	8.34571E-05	2.69062E-05	7.24572E-05	9.47606E-05	7.86909E-05	8.37334E-05	2.5043E-05	7.24572E-05	8.73882E-05	1741
1742	7.62958E-05	8.13671E-05	2.58405E-05	7.1432E-05	9.40309E-05	7.70856E-05	8.20495E-05	2.42742E-05	7.1432E-05	8.6644E-05	1742
1743	7.7232E-05	8.23966E-05	2.58476E-05	7.3127E-05	9.89541E-05	7.84253E-05	8.34947E-05	2.44917E-05	7.3127E-05	9.02602E-05	1743
1744	8.13002E-05	8.67408E-05	2.71699E-05	7.72423E-05	9.54724E-05	8.26782E-05	8.80244E-05	2.57996E-05	7.72423E-05	8.66986E-05	1744
1745	8.82218E-05	9.41648E-05	2.90944E-05	8.34839E-05	9.2074E-05	8.95975E-05	9.54196E-05	2.76564E-05	8.34839E-05	8.32215E-05	1745
1746	9.87056E-05	0.000105131	3.47814E-05	9.1442E-05	9.00461E-05	9.91811E-05	0.000105476	3.22104E-05	9.1442E-05	8.11467E-05	1746
1747	0.000109187	0.000115801	4.33787E-05	9.81186E-05	7.45956E-05	0.000107952	0.000114466	3.86438E-05	9.81186E-05	6.82074E-05	1747
1748	0.000112548	0.000119096	4.74067E-05	9.97626E-05	6.20601E-05	0.000110439	0.000116915	4.15384E-05	9.97626E-05	5.82817E-05	1748
1749	0.000109903	0.000116244	4.68134E-05	9.65135E-05	5.35334E-05	0.000107393	0.000113645	4.0875E-05	9.65135E-05	5.10014E-05	1749
1750	0.000105651	0.000111998	4.25121E-05	9.05055E-05	4.72752E-05	0.00010241	0.000108517	3.7434E-05	9.05055E-05	4.60605E-05	1750
1751	9.61303E-05	0.000102143	3.63071E-05	8.38865E-05	4.57831E-05	9.40641E-05	9.98363E-05	3.2653E-05	8.38865E-05	4.45394E-05	1751
1752	8.69068E-05	9.27231E-05	2.90392E-05	7.82557E-05	4.49296E-05	8.64322E-05	9.19949E-05	2.72497E-05	7.82557E-05	4.36722E-05	1752
1753	7.48124E-05	8.01612E-05	2.15955E-05	6.96029E-05	4.50278E-05	7.56851E-05	8.07828E-05	2.14504E-05	6.96029E-05	4.37837E-05	1753
1754	7.28675E-05	7.82962E-05	1.88557E-05	6.93167E-05	4.52823E-05	7.4579E-05	7.9747E-05	1.95964E-05	6.93167E-05	4.40498E-05	1754
1755	7.31764E-05	7.87207E-05	1.80144E-05	7.05183E-05	4.64428E-05	7.53783E-05	8.06614E-05	1.91709E-05	7.05183E-05	4.52484E-05	1755
1756	7.69348E-05	8.28058E-05	1.85239E-05	7.49194E-05	4.91845E-05	7.96347E-05	8.52428E-05	1.99696E-05	7.49194E-05	4.80642E-05	1756
1757	8.37615E-05	9.00956E-05	2.07424E-05	8.1864E-05	5.28821E-05	8.6789E-05	9.28626E-05	2.21709E-05	8.1864E-05	5.18467E-05	1757
1758	9.05384E-05	9.72598E-05	2.36654E-05	8.7891E-05	5.39182E-05	9.34423E-05	9.99012E-05	2.47252E-05	8.7891E-05	5.2862E-05	1758
1759	9.16183E-05	9.8135E-05	2.67824E-05	8.93857E-05	9.9884E-05	9.45325E-05	0.000100887	2.69271E-05	8.93857E-05	9.13119E-05	1759
1760	8.6979E-05	9.29736E-05	2.73371E-05	8.51546E-05	9.88791E-05	8.97269E-05	9.56424E-05	2.67923E-05	8.51546E-05	9.02254E-05	1760
1761	8.31667E-05	8.87944E-05	2.71757E-05	7.99677E-05	9.98318E-05	8.50553E-05	9.05955E-05	2.61122E-05	7.99677E-05	9.11772E-05	1761
1762	8.15189E-05	8.69363E-05	2.76207E-05	7.70692E-05	0.000100341	8.26987E-05	8.80209E-05	2.60752E-05	7.70692E-05	9.16795E-05	1762
1763	8.05861E-05	8.58687E-05	2.80278E-05	7.50063E-05	0.000101085	8.11619E-05	8.6338E-05	2.60924E-05	7.50063E-05	9.24327E-05	1763
1764	7.86102E-05	8.37918E-05	2.70581E-05	7.27688E-05	9.43185E-05	7.90149E-05	8.40751E-05	2.51785E-05	7.27688E-05	8.69323E-05	1764
1765	7.77866E-05	8.29116E-05	2.67971E-05	7.18485E-05	9.47421E-05	7.8114E-05	8.31155E-05	2.49032E-05	7.18485E-05	8.73679E-05	1765
1766	7.58797E-05	8.0918E-05	2.57527E-05	7.09445E-05	9.39812E-05	7.66168E-05	8.1547E-05	2.41631E-05	7.09445E-05	8.65923E-05	1766
1767	7.69092E-05	8.20487E-05	2.57755E-05	7.27226E-05	9.89156E-05	7.80501E-05	8.30931E-05	2.43979E-05	7.27226E-05	9.02198E-05	1767
1768	8.0972E-05	8.63877E-05	2.70909E-05	7.67937E-05	9.54617E-05	8.22804E-05	8.75992E-05	2.56936E-05	7.67937E-05	8.66865E-05	1768
1769	8.78511E-05	9.37658E-05	2.90053E-05	8.29787E-05	9.20775E-05	8.91488E-05	9.49399E-05	2.7537E-05	8.29787E-05	8.32238E-05	1769
1770	9.83045E-05	0.000104699	3.4686E-05	9.09019E-05	9.00521E-05	9.86984E-05	0.00010496	3.20831E-05	9.09019E-05	8.11517E-05	1770
1771	0.000108768	0.00011535	4.32823E-05	9.75751E-05	7.46031E-05	0.000107457	0.000113937	3.85168E-05	9.75751E-05	6.82139E-05	1771
1772	0.000112058	0.000118567	4.7293E-05	9.91217E-05	6.20775E-05	0.000109857	0.000116293	4.13884E-05	9.91217E-05	5.82976E-05	1772
1773	0.000110783	0.000117221	4.67312E-05	9.59127E-05	5.35667E-05	0.000107669	0.000113959	4.07507E-05	9.59127E-05	5.10327E-05	1773
1774	0.000104989	0.000111283	4.2362E-05	8.96617E-05	4.73234E-05	0.000101634	0.000107686	3.72377E-05	8.96617E-05	4.61066E-05	1774
1775	9.53051E-05	0.000101253	3.61297E-05	8.28975E-05	4.58368E-05	9.31246E-05	9.88298E-05	3.24262E-05	8.28975E-05	4.45912E-05	1775
1776	8.64975E-05	9.22818E-05	2.89474E-05	7.77405E-05	4.508E-05	8.59554E-05	9.14845E-05	2.71302E-05	7.77405E-05	4.38216E-05	1776
1777	7.48124E-05	8.01612E-05	2.15955E-05	6.96029E-05	4.50278E-05	7.56851E-05	8.07828E-05	2.14504E-05	6.96029E-05	4.37837E-05	1777
1778	7.28675E-05	7.82962E-05	1.88557E-05	6.93167E-05	4.52823E-05	7.4579E-05	7.9747E-05	1.95964E-05	6.93167E-05	4.40498E-05	1778
1779	7.31764E-05	7.87207E-05	1.80144E-05	7.05183E-05	4.64428E-05	7.53783E-05	8.06614E-05	1.91709E-05	7.05183E-05	4.52484E-05	1779
1780	7.69348E-05	8.28058E-05	1.85239E-05	7.49194E-05	4.91845E-05	7.96347E-05	8.52428E-05	1.99696E-05	7.49194E-05	4.80642E-05	1780
1781	8.37615E-05	9.00956E-05	2.07424E-05	8.1864E-05	5.28821E-05	8.6789E-05	9.28626E-05	2.21709E-05	8.1864E-05	5.18467E-05	1781
1782	9.05384E-05	9.72598E-05	2.36654E-05	8.7891E-05	5.39182E-05	9.34423E-05	9.99012E-05	2.47252E-05	8.7891E-05	5.2862E-05	1782
1783	9.16183E-05	9.8135E-05	2.67824E-05	8.93857E-05	9.9884E-05	9.45325E-05	0.000100887	2.69271E-05	8.93857E-05	9.13119E-05	1783
1784	8.6979E-05	9.29736E-05	2.73371E-05	8.51546E-05	9.88791E-05	8.97269E-05	9.56424E-05	2.67923E-05	8.51546E-05	9.02254E-05	1784
1785	8.31667E-05	8.87944E-05	2.71757E-05	7.99677E-05	9.98318E-05	8.50553E-05	9.05955E-05	2.61122E-05	7.99677E-05	9.11772E-05	1785
1786	8.15189E-05	8.69363E-05	2.76207E-05	7.70692E-05	0.000100341	8.26987E-05	8.80209E-05	2.60752E-05	7.70692E-05	9.16795E-05	1786
1787	8.05861E-05	8.58687E-05	2.80278E-05	7.50063E-05	0.000101085	8.11619E-05	8.6338E-05	2.60924E-05	7.50063E-05	9.24327E-05	1787
1788	7.86102E-05	8.37918E-05	2.70581E-05	7.27688E-05	9.43185E-05	7.90149E-05	8.40751E-05	2.51785E-05	7.27688E-05	8.69323E-05	1788
1789	7.77866E-05	8.29116E-05	2.67971E-05	7.18485E-05	9.47421E-05	7.8114E-05	8.31155E-05	2.49032E-05	7.18485E-05	8.73679E-05	1789
1790	7.58797E-05	8.0918E-05	2.57527E-05	7.09445E-05	9.39812E-05	7.66168E-05	8.1547E-05	2.41631E-05	7.09445E-05	8.65923E-05	1790
1791	7.69092E-05	8.20487E-05	2.57755E-05	7.27226E-05	9.89156E-05	7.80501E-05	8.30931E-05	2.43979E-05	7.27226E-05	9.02198E-05	1791
1792	8.0972E-05	8.63877E-05	2.70909E-05	7.67937E-05	9.54617E-05	8.22804E-05	8.75992E-05	2.56936E-05	7.67937E-05	8.66865E-05	1792
1793	8.78511E-05	9.37658E-05	2.90053E-05	8.29787E-05	9.20775E-05	8.91488E-05	9.49399E-05	2.7537E-05	8.29787E-05	8.32238E-05	1793
1794	9.83045E-05	0.000104699	3.4686E-05	9.09019E-05	9.00521E-05	9.86984E-05	0.00010496	3.20831E-05	9.09019E-05	8.11517E-05	1794
1795	0.000108768	0.00011535	4.32823E-05	9.75751E-05	7.46031E-05	0.000107457	0.000113937	3.85168E-05	9.75751E-05	6.82139E-05	1795
1796	0.000112058	0.000118567	4.7293E-05	9.91217E-05	6.20775E-05	0.000109857	0.000116293	4.13884E-05	9.91217E-05	5.82976E-05	1796
1797	0.000110783	0.000117221	4.67312E-05	9.59127E-05	5.35667E-05	0.000107669	0.000113959	4.07507E-05	9.59127E-05	5.10327E-05	1797
1798	0.000104989	0.000111283	4.2362E-05	8.96617E-05	4.73234E-05	0.000101634	0.000107686	3.72377E-05	8.96617E-05	4.61066E-05	1798
1799	9.53051E-05	0.000101253	3.61297E-05	8.28975E-05	4.58368E-05	9.31246E-05	9.88298E-05	3.24262E-05	8.28975E-05	4.45912E-05	1799
1800	8.64975E-05	9.22818E-05	2.89474E-05	7.77405E-05	4.508E-05	8.59554E-05	9.14845E-05	2.71302E-05	7.77405E-05	4.38216E-05	1800
1801	7.48124E-05	8.01612E-05	2.15955E-05	6.96029E-05	4.50278E-05	7.56851E-05	8.07828E-05	2.14504E-05	6.96029E-05	4.37837E-05	1801
1802	7.28675E-05	7.82962E-05	1.88557E-05	6.93167E-05	4.52823E-05	7.4579E-05	7.9747E-05	1.95964E-05	6.93167E-05	4.40498E-05	1802
1803	7.31764E-05	7.87207E-05	1.80144E-05	7.05183E-05	4.64428E-05	7.53783E-05	8.06614E-05	1.91709E-05	7.05183E-05	4.52484E-05	1803
1804	7.69348E-05	8.28058E-05	1.85239E-05	7.49194E-05	4.91845E-05	7.96347E-05	8.52428E-05	1.99696E-05	7.49194E-05	4.80642E-05	1804
1805	8.37615E-05	9.00956E-05	2.07424E-05	8.1864E-05	5.28821E-05	8.6789E-05	9.28626E-05	2.21709E-05	8.1864E-05	5.18467E-05	1805
1806	9.05384E-05	9.72598E-05	2.36654E-05	8.7891E-05	5.39182E-05	9.34423E-05	9.99012E-05	2.47252E-05	8.7891E-05	5.2862E-05	1806
1807	9.16183E-05	9.8135E-05	2.67824E-05	8.93857E-05	9.9884E-05	9.45325E-05	0.000100887	2.69271E-05	8.93857E-05	9.13119E-05	1807
1808	8.6979E-05	9.29736E-05	2.73371E-05	8.51546E-05	9.88791E-05	8.97269E-05	9.56424E-05	2.67923E-05	8.51546E-05	9.02254E-05	1808
1809	8.31667E-05	8.87944E-05	2.71757E-05	7.99677E-05	9.98318E-05	8.50553E-05	9.05955E-05	2.61122E-05	7.99677E-05	9.11772E-05	1809
1810	8.15189E-05	8.69363E-05	2.76207E-05	7.70692E-05	0.000100341	8.26987E-05	8.80209E-05	2.60752E-05	7.70692E-05	9.16795E-05	1810
1811	8.05861E-05	8.58687E-05	2.80278E-05	7.50063E-05	0.000101085	8.11619E-05	8.6338E-05	2.60924E-05	7.50063E-05	9.24327E-05	1811
1812	7.86102E-05	8.37918E-05	2.70581E-05	7.27688E-05	9.43185E-05	7.90149E-05	8.40751E-05	2.51785E-05	7.27688E-05	8.69323E-05	1812
1813	7.77866E-05	8.29116E-05	2.67971E-05	7.18485E-05	9.47421E-05	7.8114E-05	8.31155E-05	2.49032E-05	7.18485E-05	8.73679E-05	1813
1814	7.58797E-05	8.0918E-05	2.57527E-05	7.09445E-05	9.39812E-05	7.66168E-05	8.1547E-05	2.41631E-05	7.09445E-05	8.65923E-05	1814
1815	7.69092E-05	8.20487E-05	2.57755E-05	7.27226E-05	9.89156E-05	7.80501E-05	8.30931E-05	2.43979E-05	7.27226E-05	9.02198E-05	1815

1816	8.0972E-05	8.63877E-05	2.70909E-05	7.67937E-05	9.54617E-05	8.22804E-05	8.75992E-05	2.56936E-05	7.67937E-05	8.66865E-05	1816
1817	8.78511E-05	9.37658E-05	2.90053E-05	8.29787E-05	9.20775E-05	8.91488E-05	9.49399E-05	2.7537E-05	8.29787E-05	8.32238E-05	1817
1818	9.83045E-05	0.000104699	3.4686E-05	9.09019E-05	9.00521E-05	9.86984E-05	0.00010496	3.20831E-05	9.09019E-05	8.11517E-05	1818
1819	0.000108768	0.00011535	4.32823E-05	9.75751E-05	7.46031E-05	0.000107457	0.000113937	3.85168E-05	9.75751E-05	6.82139E-05	1819
1820	0.000112058	0.000118567	4.7293E-05	9.91217E-05	6.20775E-05	0.000109857	0.000116293	4.13884E-05	9.91217E-05	5.82976E-05	1820
1821	0.000110783	0.000117221	4.67312E-05	9.59127E-05	5.35667E-05	0.000107669	0.000113959	4.07507E-05	9.59127E-05	5.10327E-05	1821
1822	0.000104989	0.000111283	4.2362E-05	8.96617E-05	4.73234E-05	0.000101634	0.000107686	3.72377E-05	8.96617E-05	4.61066E-05	1822
1823	9.53051E-05	0.000101253	3.61297E-05	8.28975E-05	4.58368E-05	9.31246E-05	9.88298E-05	3.24262E-05	8.28975E-05	4.45912E-05	1823
1824	8.64975E-05	9.22818E-05	2.89474E-05	7.77405E-05	4.508E-05	8.59554E-05	9.14845E-05	2.71302E-05	7.77405E-05	4.38216E-05	1824
1825	7.48124E-05	8.01612E-05	2.15955E-05	6.96029E-05	4.50278E-05	7.56851E-05	8.07828E-05	2.14504E-05	6.96029E-05	4.37837E-05	1825
1826	7.28675E-05	7.82962E-05	1.88557E-05	6.93167E-05	4.52823E-05	7.4579E-05	7.9747E-05	1.95964E-05	6.93167E-05	4.40498E-05	1826
1827	7.31764E-05	7.87207E-05	1.80144E-05	7.05183E-05	4.64428E-05	7.53783E-05	8.06614E-05	1.91709E-05	7.05183E-05	4.52484E-05	1827
1828	7.69348E-05	8.28058E-05	1.85239E-05	7.49194E-05	4.91845E-05	7.96347E-05	8.52428E-05	1.99696E-05	7.49194E-05	4.80642E-05	1828
1829	8.37615E-05	9.00956E-05	2.07424E-05	8.1864E-05	5.28821E-05	8.6789E-05	9.28626E-05	2.21709E-05	8.1864E-05	5.18467E-05	1829
1830	9.05384E-05	9.72598E-05	2.36654E-05	8.7891E-05	5.39182E-05	9.34423E-05	9.99012E-05	2.47252E-05	8.7891E-05	5.2862E-05	1830
1831	9.16183E-05	9.8135E-05	2.67824E-05	8.93857E-05	9.9884E-05	9.45325E-05	0.000100887	2.69271E-05	8.93857E-05	9.13119E-05	1831
1832	8.6979E-05	9.29736E-05	2.73371E-05	8.51546E-05	9.88791E-05	8.97269E-05	9.56424E-05	2.67923E-05	8.51546E-05	9.02254E-05	1832
1833	8.31667E-05	8.87944E-05	2.71757E-05	7.99677E-05	9.98318E-05	8.50553E-05	9.05955E-05	2.61122E-05	7.99677E-05	9.11772E-05	1833
1834	8.15189E-05	8.69363E-05	2.76207E-05	7.70692E-05	0.000100341	8.26987E-05	8.80209E-05	2.60752E-05	7.70692E-05	9.16795E-05	1834
1835	8.05861E-05	8.58687E-05	2.80278E-05	7.50063E-05	0.000101085	8.11619E-05	8.6338E-05	2.60924E-05	7.50063E-05	9.24327E-05	1835
1836	7.86102E-05	8.37918E-05	2.70581E-05	7.27688E-05	9.43185E-05	7.90149E-05	8.40751E-05	2.51785E-05	7.27688E-05	8.69323E-05	1836
1837	7.77866E-05	8.29116E-05	2.67971E-05	7.18485E-05	9.47421E-05	7.8114E-05	8.31155E-05	2.49032E-05	7.18485E-05	8.73679E-05	1837
1838	7.58797E-05	8.0918E-05	2.57527E-05	7.09445E-05	9.39812E-05	7.66168E-05	8.1547E-05	2.41631E-05	7.09445E-05	8.65923E-05	1838
1839	7.69092E-05	8.20487E-05	2.57755E-05	7.27226E-05	9.89156E-05	7.80501E-05	8.30931E-05	2.43979E-05	7.27226E-05	9.02198E-05	1839
1840	8.0972E-05	8.63877E-05	2.70909E-05	7.67937E-05	9.54617E-05	8.22804E-05	8.75992E-05	2.56936E-05	7.67937E-05	8.66865E-05	1840
1841	8.78511E-05	9.37658E-05	2.90053E-05	8.29787E-05	9.20775E-05	8.91488E-05	9.49399E-05	2.7537E-05	8.29787E-05	8.32238E-05	1841
1842	9.83045E-05	0.000104699	3.4686E-05	9.09019E-05	9.00521E-05	9.86984E-05	0.00010496	3.20831E-05	9.09019E-05	8.11517E-05	1842
1843	0.000108768	0.00011535	4.32823E-05	9.75751E-05	7.46031E-05	0.000107457	0.000113937	3.85168E-05	9.75751E-05	6.82139E-05	1843
1844	0.000112058	0.000118567	4.7293E-05	9.91217E-05	6.20775E-05	0.000109857	0.000116293	4.13884E-05	9.91217E-05	5.82976E-05	1844
1845	0.000110783	0.000117221	4.67312E-05	9.59127E-05	5.35667E-05	0.000107669	0.000113959	4.07507E-05	9.59127E-05	5.10327E-05	1845
1846	0.000104989	0.000111283	4.2362E-05	8.96617E-05	4.73234E-05	0.000101634	0.000107686	3.72377E-05	8.96617E-05	4.61066E-05	1846
1847	9.53051E-05	0.000101253	3.61297E-05	8.28975E-05	4.58368E-05	9.31246E-05	9.88298E-05	3.24262E-05	8.28975E-05	4.45912E-05	1847
1848	8.64975E-05	9.22818E-05	2.89474E-05	7.77405E-05	4.508E-05	8.59554E-05	9.14845E-05	2.71302E-05	7.77405E-05	4.38216E-05	1848
1849	7.48124E-05	8.01612E-05	2.15955E-05	6.96029E-05	4.50278E-05	7.56851E-05	8.07828E-05	2.14504E-05	6.96029E-05	4.37837E-05	1849
1850	7.28675E-05	7.82962E-05	1.88557E-05	6.93167E-05	4.52823E-05	7.4579E-05	7.9747E-05	1.95964E-05	6.93167E-05	4.40498E-05	1850
1851	7.31764E-05	7.87207E-05	1.80144E-05	7.05183E-05	4.64428E-05	7.53783E-05	8.06614E-05	1.91709E-05	7.05183E-05	4.52484E-05	1851
1852	7.69348E-05	8.28058E-05	1.85239E-05	7.49194E-05	4.91845E-05	7.96347E-05	8.52428E-05	1.99696E-05	7.49194E-05	4.80642E-05	1852
1853	8.37615E-05	9.00956E-05	2.07424E-05	8.1864E-05	5.28821E-05	8.6789E-05	9.28626E-05	2.21709E-05	8.1864E-05	5.18467E-05	1853
1854	9.05384E-05	9.72598E-05	2.36654E-05	8.7891E-05	5.39182E-05	9.34423E-05	9.99012E-05	2.47252E-05	8.7891E-05	5.2862E-05	1854
1855	9.16183E-05	9.8135E-05	2.67824E-05	8.93857E-05	9.9884E-05	9.45325E-05	0.000100887	2.69271E-05	8.93857E-05	9.13119E-05	1855
1856	8.6979E-05	9.29736E-05	2.73371E-05	8.51546E-05	9.88791E-05	8.97269E-05	9.56424E-05	2.67923E-05	8.51546E-05	9.02254E-05	1856
1857	8.31667E-05	8.87944E-05	2.71757E-05	7.99677E-05	9.98318E-05	8.50553E-05	9.05955E-05	2.61122E-05	7.99677E-05	9.11772E-05	1857
1858	8.15189E-05	8.69363E-05	2.76207E-05	7.70692E-05	0.000100341	8.26987E-05	8.80209E-05	2.60752E-05	7.70692E-05	9.16795E-05	1858
1859	8.05861E-05	8.58687E-05	2.80278E-05	7.50063E-05	0.000101085	8.11619E-05	8.6338E-05	2.60924E-05	7.50063E-05	9.24327E-05	1859
1860	7.86102E-05	8.37918E-05	2.70581E-05	7.27688E-05	9.43185E-05	7.90149E-05	8.40751E-05	2.51785E-05	7.27688E-05	8.69323E-05	1860
1861	7.77866E-05	8.29116E-05	2.67971E-05	7.18485E-05	9.47421E-05	7.8114E-05	8.31155E-05	2.49032E-05	7.18485E-05	8.73679E-05	1861
1862	7.58797E-05	8.0918E-05	2.57527E-05	7.09445E-05	9.39812E-05	7.66168E-05	8.1547E-05	2.41631E-05	7.09445E-05	8.65923E-05	1862
1863	7.69092E-05	8.20487E-05	2.57755E-05	7.27226E-05	9.89156E-05	7.80501E-05	8.30931E-05	2.43979E-05	7.27226E-05	9.02198E-05	1863
1864	8.0972E-05	8.63877E-05	2.70909E-05	7.67937E-05	9.54617E-05	8.22804E-05	8.75992E-05	2.56936E-05	7.67937E-05	8.66865E-05	1864
1865	8.78511E-05	9.37658E-05	2.90053E-05	8.29787E-05	9.20775E-05	8.91488E-05	9.49399E-05	2.7537E-05	8.29787E-05	8.32238E-05	1865
1866	9.83045E-05	0.000104699	3.4686E-05	9.09019E-05	9.00521E-05	9.86984E-05	0.00010496	3.20831E-05	9.09019E-05	8.11517E-05	1866
1867	0.000108768	0.00011535	4.32823E-05	9.75751E-05	7.46031E-05	0.000107457	0.000113937	3.85168E-05	9.75751E-05	6.82139E-05	1867
1868	0.000112058	0.000118567	4.7293E-05	9.91217E-05	6.20775E-05	0.000109857	0.000116293	4.13884E-05	9.91217E-05	5.82976E-05	1868
1869	0.000110783	0.000117221	4.67312E-05	9.59127E-05	5.35667E-05	0.000107669	0.000113959	4.07507E-05	9.59127E-05	5.10327E-05	1869
1870	0.000104989	0.000111283	4.2362E-05	8.96617E-05	4.73234E-05	0.000101634	0.000107686	3.72377E-05	8.96617E-05	4.61066E-05	1870
1871	9.53051E-05	0.000101253	3.61297E-05	8.28975E-05	4.58368E-05	9.31246E-05	9.88298E-05	3.24262E-05	8.28975E-05	4.45912E-05	1871
1872	8.64975E-05	9.22818E-05	2.89474E-05	7.77405E-05	4.508E-05	8.59554E-05	9.14845E-05	2.71302E-05	7.77405E-05	4.38216E-05	1872
1873	7.47735E-05	8.01193E-05	2.15868E-05	6.9554E-05	4.49322E-05	7.56399E-05	8.07344E-05	2.1439E-05	6.9554E-05	4.3689E-05	1873
1874	7.3176E-05	7.86289E-05	1.89237E-05	6.96972E-05	4.52413E-05	7.49349E-05	8.01281E-05	1.96842E-05	6.96972E-05	4.40096E-05	1874
1875	7.35001E-05	7.90699E-05	1.80848E-05	7.09117E-05	4.64292E-05	7.57493E-05	8.10587E-05	1.92614E-05	7.09117E-05	4.52369E-05	1875
1876	7.72886E-05	8.31875E-05	1.85991E-05	7.53381E-05	4.91557E-05	8.00351E-05	8.56719E-05	2.00652E-05	7.53381E-05	4.80377E-05	1876
1877	8.41655E-05	9.05314E-05	2.08294E-05	8.23491E-05	5.2849E-05	8.72493E-05	9.33557E-05	2.22822E-05	8.23491E-05	5.18157E-05	1877
1878	9.08607E-05	9.76075E-05	2.3735E-05	8.82789E-05	5.38749E-05	9.38099E-05	0.000100295	2.48142E-05	8.82789E-05	5.28207E-05	1878
1879	9.34485E-05	0.000100136	2.69183E-05	9.00127E-05	9.98476E-05	9.59296E-05	0.0001024	2.70895E-05	9.00127E-05	9.12773E-05	1879
1880	8.74545E-05	9.34865E-05	2.74414E-05	8.5738E-05	9.88469E-05	9.02742E-05	9.62285E-05	2.69268E-05	8.5738E-05	9.01945E-05	1880
1881	8.37075E-05	8.93773E-05	2.72977E-05	8.06532E-05	9.98199E-05	8.56873E-05	9.1272E-05	2.62715E-05	8.06532E-05	9.11669E-05	1881
1882	8.20559E-05	8.75153E-05	2.77388E-05	7.77295E-05	0.00010034	8.33174E-05	8.86834E-05	2.62276E-05	7.77295E-05	9.16796E-05	1882
1883	8.10482E-05	8.6367E-05	2.813E-05	7.55782E-05	0.000101079	8.16959E-05	8.69098E-05	2.62246E-05	7.55782E-05	9.24283E-05	1883
1884	7.90452E-05	8.42606E-05	2.71556E-05	7.33165E-05	9.43113E-05	7.95217E-05	8.46176E-05	2.53056E-05	7.33165E-05	8.69265E-05	1884
1885	7.82922E-05	8.34571E-05	2.69062E-05	7.24572E-05	9.47606E-05	7.86909E-05	8.37334E-05	2.5043E-05	7.24572E-05	8.73882E-05	1885
1886	7.62958E-05	8.13671E-05	2.58405E-05	7.1432E-05	9.40309E-05	7.70856E-05	8.20495E-05	2.42742E-05	7.1432E-05	8.6644E-05	1886
1887	7.7232E-05	8.23966E-05	2.58476E-05	7.3127E-05	9.89541E-05	7.84253E-05	8.34947E-05	2.44917E-05	7.3127E-05	9.02602E-05	1887
1888	8.13002E-05	8.67408E-05	2.71699E-05	7.72423E-05	9.54724E-05	8.26782E-05	8.80244E-05	2.57996E-05	7.72423E-05	8.66986E-05	1888
1889	8.82218E-05	9.41648E-05	2.90944E-05	8.34839E-05	9.2074E-05	8.95975E-05	9.54196E-05	2.76564E-05	8.34839E-05	8.32215E-05	1889
1890	9.87056E-05	0.000105131	3.47814E-05	9.1442E-05	9.00461E-05	9.91811E-05	0.000105476	3.22104E-05	9.1442E-05	8.11467E-05	1890
1891	0.000109187	0.000115801	4.33787E-05	9.81186E-05	7.45956E-05	0.000107952	0.000114466	3.86438E-05	9.81186E-05	6.82074E-05	1891

1892	0.000112548	0.000119096	4.74067E-05	9.97626E-05	6.20601E-05	0.000110439	0.000116915	4.15384E-05	9.97626E-05	5.82817E-05	**1892**
1893	0.000109903	0.000116244	4.68134E-05	9.65135E-05	5.35334E-05	0.000107393	0.000113645	4.0875E-05	9.65135E-05	5.10014E-05	**1893**
1894	0.000105651	0.000111998	4.25121E-05	9.05055E-05	4.72752E-05	0.00010241	0.000108517	3.7434E-05	9.05055E-05	4.60605E-05	**1894**
1895	9.61303E-05	0.000102143	3.63071E-05	8.38865E-05	4.57831E-05	9.40641E-05	9.98363E-05	3.2653E-05	8.38865E-05	4.45394E-05	**1895**
1896	8.69068E-05	9.27231E-05	2.90392E-05	7.82557E-05	4.49296E-05	8.64322E-05	9.19949E-05	2.72497E-05	7.82557E-05	4.36722E-05	**1896**
1897	7.47735E-05	8.01193E-05	2.15868E-05	6.9554E-05	4.49322E-05	7.56399E-05	8.07344E-05	2.1439E-05	6.9554E-05	4.3689E-05	**1897**
1898	7.3176E-05	7.86289E-05	1.89237E-05	6.96972E-05	4.52413E-05	7.49349E-05	8.01281E-05	1.96842E-05	6.96972E-05	4.40096E-05	**1898**
1899	7.35001E-05	7.90699E-05	1.80848E-05	7.09117E-05	4.64292E-05	7.57493E-05	8.10587E-05	1.92614E-05	7.09117E-05	4.52369E-05	**1899**
1900	7.72886E-05	8.31875E-05	1.85991E-05	7.53381E-05	4.91557E-05	8.00351E-05	8.56719E-05	2.00652E-05	7.53381E-05	4.80377E-05	**1900**
1901	8.41655E-05	9.05314E-05	2.08294E-05	8.23491E-05	5.2849E-05	8.72493E-05	9.33557E-05	2.22822E-05	8.23491E-05	5.18157E-05	**1901**
1902	9.08607E-05	9.76075E-05	2.3735E-05	8.82789E-05	5.38749E-05	9.38099E-05	0.000100295	2.48142E-05	8.82789E-05	5.28207E-05	**1902**
1903	9.34485E-05	0.000100136	2.69183E-05	9.00127E-05	9.98476E-05	9.59296E-05	0.0001024	2.70895E-05	9.00127E-05	9.12773E-05	**1903**
1904	8.74545E-05	9.34865E-05	2.74414E-05	8.5738E-05	9.88469E-05	9.02742E-05	9.62285E-05	2.69268E-05	8.5738E-05	9.01945E-05	**1904**
1905	8.37075E-05	8.93773E-05	2.72977E-05	8.06532E-05	9.98199E-05	8.56873E-05	9.1272E-05	2.62715E-05	8.06532E-05	9.11669E-05	**1905**
1906	8.20559E-05	8.75153E-05	2.77388E-05	7.77295E-05	0.00010034	8.33174E-05	8.86834E-05	2.62276E-05	7.77295E-05	9.16796E-05	**1906**
1907	8.10482E-05	8.6367E-05	2.813E-05	7.55782E-05	0.000101079	8.16959E-05	8.69098E-05	2.62246E-05	7.55782E-05	9.24283E-05	**1907**
1908	7.90452E-05	8.42606E-05	2.71556E-05	7.33165E-05	9.43113E-05	7.95217E-05	8.46176E-05	2.53056E-05	7.33165E-05	8.69265E-05	**1908**
1909	7.82922E-05	8.34571E-05	2.69062E-05	7.24572E-05	9.47606E-05	7.86909E-05	8.37334E-05	2.5043E-05	7.24572E-05	8.73882E-05	**1909**
1910	7.62958E-05	8.13671E-05	2.58405E-05	7.1432E-05	9.40309E-05	7.70856E-05	8.20495E-05	2.42742E-05	7.1432E-05	8.6644E-05	**1910**
1911	7.7232E-05	8.23966E-05	2.58476E-05	7.3127E-05	9.89541E-05	7.84253E-05	8.34947E-05	2.44917E-05	7.3127E-05	9.02602E-05	**1911**
1912	8.13002E-05	8.67408E-05	2.71699E-05	7.72423E-05	9.54724E-05	8.26782E-05	8.80244E-05	2.57996E-05	7.72423E-05	8.66986E-05	**1912**
1913	8.82218E-05	9.41648E-05	2.90944E-05	8.34839E-05	9.2074E-05	8.95975E-05	9.54196E-05	2.76564E-05	8.34839E-05	8.32215E-05	**1913**
1914	9.87056E-05	0.000105131	3.47814E-05	9.1442E-05	9.00461E-05	9.91811E-05	0.000105476	3.22104E-05	9.1442E-05	8.11467E-05	**1914**
1915	0.000109187	0.000115801	4.33787E-05	9.81186E-05	7.45956E-05	0.000107952	0.000114466	3.86438E-05	9.81186E-05	6.82074E-05	**1915**
1916	0.000112548	0.000119096	4.74067E-05	9.97626E-05	6.20601E-05	0.000110439	0.000116915	4.15384E-05	9.97626E-05	5.82817E-05	**1916**
1917	0.000109903	0.000116244	4.68134E-05	9.65135E-05	5.35334E-05	0.000107393	0.000113645	4.0875E-05	9.65135E-05	5.10014E-05	**1917**
1918	0.000105651	0.000111998	4.25121E-05	9.05055E-05	4.72752E-05	0.00010241	0.000108517	3.7434E-05	9.05055E-05	4.60605E-05	**1918**
1919	9.61303E-05	0.000102143	3.63071E-05	8.38865E-05	4.57831E-05	9.40641E-05	9.98363E-05	3.2653E-05	8.38865E-05	4.45394E-05	**1919**
1920	8.69068E-05	9.27231E-05	2.90392E-05	7.82557E-05	4.49296E-05	8.64322E-05	9.19949E-05	2.72497E-05	7.82557E-05	4.36722E-05	**1920**
1921	7.48124E-05	8.01612E-05	2.15955E-05	6.96029E-05	4.50278E-05	7.56851E-05	8.07828E-05	2.14504E-05	6.96029E-05	4.37837E-05	**1921**
1922	7.28675E-05	7.82962E-05	1.88557E-05	6.93167E-05	4.52823E-05	7.4579E-05	7.9747E-05	1.95964E-05	6.93167E-05	4.40498E-05	**1922**
1923	7.31764E-05	7.87207E-05	1.80144E-05	7.05183E-05	4.64428E-05	7.53783E-05	8.06614E-05	1.91709E-05	7.05183E-05	4.52484E-05	**1923**
1924	7.69348E-05	8.28058E-05	1.85239E-05	7.49194E-05	4.91845E-05	7.96347E-05	8.52428E-05	1.99696E-05	7.49194E-05	4.80642E-05	**1924**
1925	8.37615E-05	9.00956E-05	2.07424E-05	8.1864E-05	5.28821E-05	8.6789E-05	9.28626E-05	2.21709E-05	8.1864E-05	5.18467E-05	**1925**
1926	9.05384E-05	9.72598E-05	2.36654E-05	8.7891E-05	5.39182E-05	9.34423E-05	9.99012E-05	2.47252E-05	8.7891E-05	5.2862E-05	**1926**
1927	9.16183E-05	9.8135E-05	2.67824E-05	8.93857E-05	9.9884E-05	9.45325E-05	0.000100887	2.69271E-05	8.93857E-05	9.13119E-05	**1927**
1928	8.6979E-05	9.29736E-05	2.73371E-05	8.51546E-05	9.88791E-05	8.97269E-05	9.56424E-05	2.67923E-05	8.51546E-05	9.02254E-05	**1928**
1929	8.31667E-05	8.87944E-05	2.71757E-05	7.99677E-05	9.98318E-05	8.50553E-05	9.05955E-05	2.61122E-05	7.99677E-05	9.11772E-05	**1929**
1930	8.15189E-05	8.69363E-05	2.76207E-05	7.70692E-05	0.000100341	8.26987E-05	8.80209E-05	2.60752E-05	7.70692E-05	9.16795E-05	**1930**
1931	8.05861E-05	8.58687E-05	2.80278E-05	7.50063E-05	0.000101085	8.11619E-05	8.6338E-05	2.60924E-05	7.50063E-05	9.24327E-05	**1931**
1932	7.86102E-05	8.37918E-05	2.70581E-05	7.27688E-05	9.43185E-05	7.90149E-05	8.40751E-05	2.51785E-05	7.27688E-05	8.69323E-05	**1932**
1933	7.77866E-05	8.29116E-05	2.67971E-05	7.18485E-05	9.47421E-05	7.8114E-05	8.31155E-05	2.49032E-05	7.18485E-05	8.73679E-05	**1933**
1934	7.58797E-05	8.0918E-05	2.57527E-05	7.09445E-05	9.39812E-05	7.66168E-05	8.1547E-05	2.41631E-05	7.09445E-05	8.65923E-05	**1934**
1935	7.69092E-05	8.20487E-05	2.57755E-05	7.27226E-05	9.89156E-05	7.80501E-05	8.30931E-05	2.43979E-05	7.27226E-05	9.02198E-05	**1935**
1936	8.0972E-05	8.63877E-05	2.70909E-05	7.67937E-05	9.54617E-05	8.22804E-05	8.75992E-05	2.56936E-05	7.67937E-05	8.66865E-05	**1936**
1937	8.78511E-05	9.37658E-05	2.90053E-05	8.29787E-05	9.20775E-05	8.91488E-05	9.49399E-05	2.7537E-05	8.29787E-05	8.32238E-05	**1937**
1938	9.83045E-05	0.000104699	3.4686E-05	9.09019E-05	9.00521E-05	9.86984E-05	0.00010496	3.20831E-05	9.09019E-05	8.11517E-05	**1938**
1939	0.000108768	0.00011535	4.32823E-05	9.75751E-05	7.46031E-05	0.000107457	0.000113937	3.85168E-05	9.75751E-05	6.82139E-05	**1939**
1940	0.000112058	0.000118567	4.7293E-05	9.91217E-05	6.20775E-05	0.000109857	0.000116293	4.13884E-05	9.91217E-05	5.82976E-05	**1940**
1941	0.000110783	0.000117221	4.67312E-05	9.59127E-05	5.35667E-05	0.000107669	0.000113959	4.07507E-05	9.59127E-05	5.10327E-05	**1941**
1942	0.000104989	0.000111283	4.2362E-05	8.96617E-05	4.73234E-05	0.000101634	0.000107686	3.72377E-05	8.96617E-05	4.61066E-05	**1942**
1943	9.53051E-05	0.000101253	3.61297E-05	8.28975E-05	4.58368E-05	9.31246E-05	9.88298E-05	3.24262E-05	8.28975E-05	4.45912E-05	**1943**
1944	8.64975E-05	9.22818E-05	2.89474E-05	7.77405E-05	4.508E-05	8.59554E-05	9.14845E-05	2.71302E-05	7.77405E-05	4.38216E-05	**1944**
1945	7.48124E-05	8.01612E-05	2.15955E-05	6.96029E-05	4.50278E-05	7.56851E-05	8.07828E-05	2.14504E-05	6.96029E-05	4.37837E-05	**1945**
1946	7.28675E-05	7.82962E-05	1.88557E-05	6.93167E-05	4.52823E-05	7.4579E-05	7.9747E-05	1.95964E-05	6.93167E-05	4.40498E-05	**1946**
1947	7.31764E-05	7.87207E-05	1.80144E-05	7.05183E-05	4.64428E-05	7.53783E-05	8.06614E-05	1.91709E-05	7.05183E-05	4.52484E-05	**1947**
1948	7.69348E-05	8.28058E-05	1.85239E-05	7.49194E-05	4.91845E-05	7.96347E-05	8.52428E-05	1.99696E-05	7.49194E-05	4.80642E-05	**1948**
1949	8.37615E-05	9.00956E-05	2.07424E-05	8.1864E-05	5.28821E-05	8.6789E-05	9.28626E-05	2.21709E-05	8.1864E-05	5.18467E-05	**1949**
1950	9.05384E-05	9.72598E-05	2.36654E-05	8.7891E-05	5.39182E-05	9.34423E-05	9.99012E-05	2.47252E-05	8.7891E-05	5.2862E-05	**1950**
1951	9.16183E-05	9.8135E-05	2.67824E-05	8.93857E-05	9.9884E-05	9.45325E-05	0.000100887	2.69271E-05	8.93857E-05	9.13119E-05	**1951**
1952	8.6979E-05	9.29736E-05	2.73371E-05	8.51546E-05	9.88791E-05	8.97269E-05	9.56424E-05	2.67923E-05	8.51546E-05	9.02254E-05	**1952**
1953	8.31667E-05	8.87944E-05	2.71757E-05	7.99677E-05	9.98318E-05	8.50553E-05	9.05955E-05	2.61122E-05	7.99677E-05	9.11772E-05	**1953**
1954	8.15189E-05	8.69363E-05	2.76207E-05	7.70692E-05	0.000100341	8.26987E-05	8.80209E-05	2.60752E-05	7.70692E-05	9.16795E-05	**1954**
1955	8.05861E-05	8.58687E-05	2.80278E-05	7.50063E-05	0.000101085	8.11619E-05	8.6338E-05	2.60924E-05	7.50063E-05	9.24327E-05	**1955**
1956	7.86102E-05	8.37918E-05	2.70581E-05	7.27688E-05	9.43185E-05	7.90149E-05	8.40751E-05	2.51785E-05	7.27688E-05	8.69323E-05	**1956**
1957	7.77866E-05	8.29116E-05	2.67971E-05	7.18485E-05	9.47421E-05	7.8114E-05	8.31155E-05	2.49032E-05	7.18485E-05	8.73679E-05	**1957**
1958	7.58797E-05	8.0918E-05	2.57527E-05	7.09445E-05	9.39812E-05	7.66168E-05	8.1547E-05	2.41631E-05	7.09445E-05	8.65923E-05	**1958**
1959	7.69092E-05	8.20487E-05	2.57755E-05	7.27226E-05	9.89156E-05	7.80501E-05	8.30931E-05	2.43979E-05	7.27226E-05	9.02198E-05	**1959**
1960	8.0972E-05	8.63877E-05	2.70909E-05	7.67937E-05	9.54617E-05	8.22804E-05	8.75992E-05	2.56936E-05	7.67937E-05	8.66865E-05	**1960**
1961	8.78511E-05	9.37658E-05	2.90053E-05	8.29787E-05	9.20775E-05	8.91488E-05	9.49399E-05	2.7537E-05	8.29787E-05	8.32238E-05	**1961**
1962	9.83045E-05	0.000104699	3.4686E-05	9.09019E-05	9.00521E-05	9.86984E-05	0.00010496	3.20831E-05	9.09019E-05	8.11517E-05	**1962**
1963	0.000108768	0.00011535	4.32823E-05	9.75751E-05	7.46031E-05	0.000107457	0.000113937	3.85168E-05	9.75751E-05	6.82139E-05	**1963**
1964	0.000112058	0.000118567	4.7293E-05	9.91217E-05	6.20775E-05	0.000109857	0.000116293	4.13884E-05	9.91217E-05	5.82976E-05	**1964**
1965	0.000110783	0.000117221	4.67312E-05	9.59127E-05	5.35667E-05	0.000107669	0.000113959	4.07507E-05	9.59127E-05	5.10327E-05	**1965**
1966	0.000104989	0.000111283	4.2362E-05	8.96617E-05	4.73234E-05	0.000101634	0.000107686	3.72377E-05	8.96617E-05	4.61066E-05	**1966**
1967	9.53051E-05	0.000101253	3.61297E-05	8.28975E-05	4.58368E-05	9.31246E-05	9.88298E-05	3.24262E-05	8.28975E-05	4.45912E-05	**1967**

1968	8.64975E-05	9.22818E-05	2.89474E-05	7.77405E-05	4.508E-05	8.59554E-05	9.14845E-05	2.71302E-05	7.77405E-05	4.38216E-05	1968
1969	7.48124E-05	8.01612E-05	2.15955E-05	6.96029E-05	4.50278E-05	7.56851E-05	8.07828E-05	2.14504E-05	6.96029E-05	4.37837E-05	1969
1970	7.28675E-05	7.82962E-05	1.88557E-05	6.93167E-05	4.52823E-05	7.4579E-05	7.9747E-05	1.95964E-05	6.93167E-05	4.40498E-05	1970
1971	7.31764E-05	7.87207E-05	1.80144E-05	7.05183E-05	4.64428E-05	7.53783E-05	8.06614E-05	1.91709E-05	7.05183E-05	4.52484E-05	1971
1972	7.69348E-05	8.28058E-05	1.85239E-05	7.49194E-05	4.91845E-05	7.96347E-05	8.52428E-05	1.99696E-05	7.49194E-05	4.80642E-05	1972
1973	8.37615E-05	9.00956E-05	2.07424E-05	8.1864E-05	5.28821E-05	8.6789E-05	9.28626E-05	2.21709E-05	8.1864E-05	5.18467E-05	1973
1974	9.05384E-05	9.72598E-05	2.36654E-05	8.7891E-05	5.39182E-05	9.34423E-05	9.99012E-05	2.47252E-05	8.7891E-05	5.2862E-05	1974
1975	9.16183E-05	9.8135E-05	2.67824E-05	8.93857E-05	9.9884E-05	9.45325E-05	0.000100887	2.69271E-05	8.93857E-05	9.13119E-05	1975
1976	8.6979E-05	9.29736E-05	2.73371E-05	8.51546E-05	9.88791E-05	8.97269E-05	9.56424E-05	2.67923E-05	8.51546E-05	9.02254E-05	1976
1977	8.31667E-05	8.87944E-05	2.71757E-05	7.99677E-05	9.98318E-05	8.50553E-05	9.05955E-05	2.61122E-05	7.99677E-05	9.11772E-05	1977
1978	8.15189E-05	8.69363E-05	2.76207E-05	7.70692E-05	0.000100341	8.26987E-05	8.80209E-05	2.60752E-05	7.70692E-05	9.16795E-05	1978
1979	8.05861E-05	8.58687E-05	2.80278E-05	7.50063E-05	0.000101085	8.11619E-05	8.6338E-05	2.60924E-05	7.50063E-05	9.24327E-05	1979
1980	7.86102E-05	8.37918E-05	2.70581E-05	7.27688E-05	9.43185E-05	7.90149E-05	8.40751E-05	2.51785E-05	7.27688E-05	8.69323E-05	1980
1981	7.77866E-05	8.29116E-05	2.67971E-05	7.18485E-05	9.47421E-05	7.8114E-05	8.31155E-05	2.49032E-05	7.18485E-05	8.73679E-05	1981
1982	7.58797E-05	8.0918E-05	2.57527E-05	7.09445E-05	9.39812E-05	7.66168E-05	8.1547E-05	2.41631E-05	7.09445E-05	8.65923E-05	1982
1983	7.69092E-05	8.20487E-05	2.57755E-05	7.27226E-05	9.89156E-05	7.80501E-05	8.30931E-05	2.43979E-05	7.27226E-05	9.02198E-05	1983
1984	8.0972E-05	8.63877E-05	2.70909E-05	7.67937E-05	9.54617E-05	8.22804E-05	8.75992E-05	2.56936E-05	7.67937E-05	8.66865E-05	1984
1985	8.78511E-05	9.37658E-05	2.90053E-05	8.29787E-05	9.20775E-05	8.91488E-05	9.49399E-05	2.7537E-05	8.29787E-05	8.32238E-05	1985
1986	9.83045E-05	0.000104699	3.4686E-05	9.09019E-05	9.00521E-05	9.86984E-05	0.00010496	3.20831E-05	9.09019E-05	8.11517E-05	1986
1987	0.000108768	0.00011535	4.32823E-05	9.75751E-05	7.46031E-05	0.000107457	0.000113937	3.85168E-05	9.75751E-05	6.82139E-05	1987
1988	0.000112058	0.000118567	4.7293E-05	9.91217E-05	6.20775E-05	0.000109857	0.000116293	4.13884E-05	9.91217E-05	5.82976E-05	1988
1989	0.000110783	0.000117221	4.67312E-05	9.59127E-05	5.35667E-05	0.000107669	0.000113959	4.07507E-05	9.59127E-05	5.10327E-05	1989
1990	0.000104989	0.000111283	4.2362E-05	8.96617E-05	4.73234E-05	0.000101634	0.000107686	3.72377E-05	8.96617E-05	4.61066E-05	1990
1991	9.53051E-05	0.000101253	3.61297E-05	8.28975E-05	4.58368E-05	9.31246E-05	9.88298E-05	3.24262E-05	8.28975E-05	4.45912E-05	1991
1992	8.64975E-05	9.22818E-05	2.89474E-05	7.77405E-05	4.508E-05	8.59554E-05	9.14845E-05	2.71302E-05	7.77405E-05	4.38216E-05	1992
1993	7.48124E-05	8.01612E-05	2.15955E-05	6.96029E-05	4.50278E-05	7.56851E-05	8.07828E-05	2.14504E-05	6.96029E-05	4.37837E-05	1993
1994	7.28675E-05	7.82962E-05	1.88557E-05	6.93167E-05	4.52823E-05	7.4579E-05	7.9747E-05	1.95964E-05	6.93167E-05	4.40498E-05	1994
1995	7.31764E-05	7.87207E-05	1.80144E-05	7.05183E-05	4.64428E-05	7.53783E-05	8.06614E-05	1.91709E-05	7.05183E-05	4.52484E-05	1995
1996	7.69348E-05	8.28058E-05	1.85239E-05	7.49194E-05	4.91845E-05	7.96347E-05	8.52428E-05	1.99696E-05	7.49194E-05	4.80642E-05	1996
1997	8.37615E-05	9.00956E-05	2.07424E-05	8.1864E-05	5.28821E-05	8.6789E-05	9.28626E-05	2.21709E-05	8.1864E-05	5.18467E-05	1997
1998	9.05384E-05	9.72598E-05	2.36654E-05	8.7891E-05	5.39182E-05	9.34423E-05	9.99012E-05	2.47252E-05	8.7891E-05	5.2862E-05	1998
1999	9.16183E-05	9.8135E-05	2.67824E-05	8.93857E-05	9.9884E-05	9.45325E-05	0.000100887	2.69271E-05	8.93857E-05	9.13119E-05	1999
2000	8.6979E-05	9.29736E-05	2.73371E-05	8.51546E-05	9.88791E-05	8.97269E-05	9.56424E-05	2.67923E-05	8.51546E-05	9.02254E-05	2000
2001	8.31667E-05	8.87944E-05	2.71757E-05	7.99677E-05	9.98318E-05	8.50553E-05	9.05955E-05	2.61122E-05	7.99677E-05	9.11772E-05	2001
2002	8.15189E-05	8.69363E-05	2.76207E-05	7.70692E-05	0.000100341	8.26987E-05	8.80209E-05	2.60752E-05	7.70692E-05	9.16795E-05	2002
2003	8.05861E-05	8.58687E-05	2.80278E-05	7.50063E-05	0.000101085	8.11619E-05	8.6338E-05	2.60924E-05	7.50063E-05	9.24327E-05	2003
2004	7.86102E-05	8.37918E-05	2.70581E-05	7.27688E-05	9.43185E-05	7.90149E-05	8.40751E-05	2.51785E-05	7.27688E-05	8.69323E-05	2004
2005	7.77866E-05	8.29116E-05	2.67971E-05	7.18485E-05	9.47421E-05	7.8114E-05	8.31155E-05	2.49032E-05	7.18485E-05	8.73679E-05	2005
2006	7.58797E-05	8.0918E-05	2.57527E-05	7.09445E-05	9.39812E-05	7.66168E-05	8.1547E-05	2.41631E-05	7.09445E-05	8.65923E-05	2006
2007	7.69092E-05	8.20487E-05	2.57755E-05	7.27226E-05	9.89156E-05	7.80501E-05	8.30931E-05	2.43979E-05	7.27226E-05	9.02198E-05	2007
2008	8.0972E-05	8.63877E-05	2.70909E-05	7.67937E-05	9.54617E-05	8.22804E-05	8.75992E-05	2.56936E-05	7.67937E-05	8.66865E-05	2008
2009	8.78511E-05	9.37658E-05	2.90053E-05	8.29787E-05	9.20775E-05	8.91488E-05	9.49399E-05	2.7537E-05	8.29787E-05	8.32238E-05	2009
2010	9.83045E-05	0.000104699	3.4686E-05	9.09019E-05	9.00521E-05	9.86984E-05	0.00010496	3.20831E-05	9.09019E-05	8.11517E-05	2010
2011	0.000108768	0.00011535	4.32823E-05	9.75751E-05	7.46031E-05	0.000107457	0.000113937	3.85168E-05	9.75751E-05	6.82139E-05	2011
2012	0.000112058	0.000118567	4.7293E-05	9.91217E-05	6.20775E-05	0.000109857	0.000116293	4.13884E-05	9.91217E-05	5.82976E-05	2012
2013	0.000110783	0.000117221	4.67312E-05	9.59127E-05	5.35667E-05	0.000107669	0.000113959	4.07507E-05	9.59127E-05	5.10327E-05	2013
2014	0.000104989	0.000111283	4.2362E-05	8.96617E-05	4.73234E-05	0.000101634	0.000107686	3.72377E-05	8.96617E-05	4.61066E-05	2014
2015	9.53051E-05	0.000101253	3.61297E-05	8.28975E-05	4.58368E-05	9.31246E-05	9.88298E-05	3.24262E-05	8.28975E-05	4.45912E-05	2015
2016	8.64975E-05	9.22818E-05	2.89474E-05	7.77405E-05	4.508E-05	8.59554E-05	9.14845E-05	2.71302E-05	7.77405E-05	4.38216E-05	2016
2017	7.48124E-05	8.01612E-05	2.15955E-05	6.96029E-05	4.50278E-05	7.56851E-05	8.07828E-05	2.14504E-05	6.96029E-05	4.37837E-05	2017
2018	7.28675E-05	7.82962E-05	1.88557E-05	6.93167E-05	4.52823E-05	7.4579E-05	7.9747E-05	1.95964E-05	6.93167E-05	4.40498E-05	2018
2019	7.31764E-05	7.87207E-05	1.80144E-05	7.05183E-05	4.64428E-05	7.53783E-05	8.06614E-05	1.91709E-05	7.05183E-05	4.52484E-05	2019
2020	7.69348E-05	8.28058E-05	1.85239E-05	7.49194E-05	4.91845E-05	7.96347E-05	8.52428E-05	1.99696E-05	7.49194E-05	4.80642E-05	2020
2021	8.37615E-05	9.00956E-05	2.07424E-05	8.1864E-05	5.28821E-05	8.6789E-05	9.28626E-05	2.21709E-05	8.1864E-05	5.18467E-05	2021
2022	9.05384E-05	9.72598E-05	2.36654E-05	8.7891E-05	5.39182E-05	9.34423E-05	9.99012E-05	2.47252E-05	8.7891E-05	5.2862E-05	2022
2023	9.16183E-05	9.8135E-05	2.67824E-05	8.93857E-05	9.9884E-05	9.45325E-05	0.000100887	2.69271E-05	8.93857E-05	9.13119E-05	2023
2024	8.6979E-05	9.29736E-05	2.73371E-05	8.51546E-05	9.88791E-05	8.97269E-05	9.56424E-05	2.67923E-05	8.51546E-05	9.02254E-05	2024
2025	8.31667E-05	8.87944E-05	2.71757E-05	7.99677E-05	9.98318E-05	8.50553E-05	9.05955E-05	2.61122E-05	7.99677E-05	9.11772E-05	2025
2026	8.15189E-05	8.69363E-05	2.76207E-05	7.70692E-05	0.000100341	8.26987E-05	8.80209E-05	2.60752E-05	7.70692E-05	9.16795E-05	2026
2027	8.05861E-05	8.58687E-05	2.80278E-05	7.50063E-05	0.000101085	8.11619E-05	8.6338E-05	2.60924E-05	7.50063E-05	9.24327E-05	2027
2028	7.86102E-05	8.37918E-05	2.70581E-05	7.27688E-05	9.43185E-05	7.90149E-05	8.40751E-05	2.51785E-05	7.27688E-05	8.69323E-05	2028
2029	7.77866E-05	8.29116E-05	2.67971E-05	7.18485E-05	9.47421E-05	7.8114E-05	8.31155E-05	2.49032E-05	7.18485E-05	8.73679E-05	2029
2030	7.58797E-05	8.0918E-05	2.57527E-05	7.09445E-05	9.39812E-05	7.66168E-05	8.1547E-05	2.41631E-05	7.09445E-05	8.65923E-05	2030
2031	7.69092E-05	8.20487E-05	2.57755E-05	7.27226E-05	9.89156E-05	7.80501E-05	8.30931E-05	2.43979E-05	7.27226E-05	9.02198E-05	2031
2032	8.0972E-05	8.63877E-05	2.70909E-05	7.67937E-05	9.54617E-05	8.22804E-05	8.75992E-05	2.56936E-05	7.67937E-05	8.66865E-05	2032
2033	8.78511E-05	9.37658E-05	2.90053E-05	8.29787E-05	9.20775E-05	8.91488E-05	9.49399E-05	2.7537E-05	8.29787E-05	8.32238E-05	2033
2034	9.83045E-05	0.000104699	3.4686E-05	9.09019E-05	9.00521E-05	9.86984E-05	0.00010496	3.20831E-05	9.09019E-05	8.11517E-05	2034
2035	0.000108768	0.00011535	4.32823E-05	9.75751E-05	7.46031E-05	0.000107457	0.000113937	3.85168E-05	9.75751E-05	6.82139E-05	2035
2036	0.000112058	0.000118567	4.7293E-05	9.91217E-05	6.20775E-05	0.000109857	0.000116293	4.13884E-05	9.91217E-05	5.82976E-05	2036
2037	0.000110783	0.000117221	4.67312E-05	9.59127E-05	5.35667E-05	0.000107669	0.000113959	4.07507E-05	9.59127E-05	5.10327E-05	2037
2038	0.000104989	0.000111283	4.2362E-05	8.96617E-05	4.73234E-05	0.000101634	0.000107686	3.72377E-05	8.96617E-05	4.61066E-05	2038
2039	9.53051E-05	0.000101253	3.61297E-05	8.28975E-05	4.58368E-05	9.31246E-05	9.88298E-05	3.24262E-05	8.28975E-05	4.45912E-05	2039
2040	8.64975E-05	9.22818E-05	2.89474E-05	7.77405E-05	4.508E-05	8.59554E-05	9.14845E-05	2.71302E-05	7.77405E-05	4.38216E-05	2040
2041	7.47735E-05	8.01193E-05	2.15868E-05	6.9554E-05	4.49322E-05	7.56399E-05	8.07344E-05	2.1439E-05	6.9554E-05	4.3689E-05	2041
2042	7.3176E-05	7.86289E-05	1.89237E-05	6.96972E-05	4.52413E-05	7.49349E-05	8.01281E-05	1.96842E-05	6.96972E-05	4.40096E-05	2042
2043	7.35001E-05	7.90699E-05	1.80848E-05	7.09117E-05	4.64292E-05	7.57493E-05	8.10587E-05	1.92614E-05	7.09117E-05	4.52369E-05	2043

2044	7.72886E-05	8.31875E-05	1.85991E-05	7.53381E-05	4.91557E-05	8.00351E-05	8.56719E-05	2.00652E-05	7.53381E-05	4.80377E-05	2044
2045	8.41655E-05	9.05314E-05	2.08294E-05	8.23491E-05	5.2849E-05	8.72493E-05	9.33557E-05	2.22822E-05	8.23491E-05	5.18157E-05	2045
2046	9.08607E-05	9.76075E-05	2.3735E-05	8.82789E-05	5.38749E-05	9.38099E-05	0.000100295	2.48142E-05	8.82789E-05	5.28207E-05	2046
2047	9.34485E-05	0.000100136	2.69183E-05	9.00127E-05	9.98476E-05	9.59296E-05	0.0001024	2.70895E-05	9.00127E-05	9.12773E-05	2047
2048	8.74545E-05	9.34865E-05	2.74414E-05	8.5738E-05	9.88469E-05	9.02742E-05	9.62285E-05	2.69268E-05	8.5738E-05	9.01945E-05	2048
2049	8.37075E-05	8.93773E-05	2.72977E-05	8.06532E-05	9.98199E-05	8.56873E-05	9.1272E-05	2.62715E-05	8.06532E-05	9.11669E-05	2049
2050	8.20559E-05	8.75153E-05	2.77388E-05	7.77295E-05	0.00010034	8.33174E-05	8.86834E-05	2.62276E-05	7.77295E-05	9.16796E-05	2050
2051	8.10482E-05	8.6367E-05	2.813E-05	7.55782E-05	0.000101079	8.16959E-05	8.69098E-05	2.62246E-05	7.55782E-05	9.24283E-05	2051
2052	7.90452E-05	8.42606E-05	2.71556E-05	7.33165E-05	9.43113E-05	7.95217E-05	8.46176E-05	2.53056E-05	7.33165E-05	8.69265E-05	2052
2053	7.82922E-05	8.34571E-05	2.69062E-05	7.24572E-05	9.47606E-05	7.86909E-05	8.37334E-05	2.5043E-05	7.24572E-05	8.73882E-05	2053
2054	7.62958E-05	8.13671E-05	2.58405E-05	7.1432E-05	9.40309E-05	7.70856E-05	8.20495E-05	2.42742E-05	7.1432E-05	8.6644E-05	2054
2055	7.7232E-05	8.23966E-05	2.58476E-05	7.3127E-05	9.89541E-05	7.84253E-05	8.34947E-05	2.44917E-05	7.3127E-05	9.02602E-05	2055
2056	8.13002E-05	8.67408E-05	2.71699E-05	7.72423E-05	9.54724E-05	8.26782E-05	8.80244E-05	2.57996E-05	7.72423E-05	8.66986E-05	2056
2057	8.82218E-05	9.41648E-05	2.90944E-05	8.34839E-05	9.2074E-05	8.95975E-05	9.54196E-05	2.76564E-05	8.34839E-05	8.32215E-05	2057
2058	9.87056E-05	0.000105131	3.47814E-05	9.1442E-05	9.00461E-05	9.91811E-05	0.000105476	3.22104E-05	9.1442E-05	8.11467E-05	2058
2059	0.000109187	0.000115801	4.33787E-05	9.81186E-05	7.45956E-05	0.000107952	0.000114466	3.86438E-05	9.81186E-05	6.82074E-05	2059
2060	0.000112548	0.000119096	4.74067E-05	9.97626E-05	6.20601E-05	0.000110439	0.000116915	4.15384E-05	9.97626E-05	5.82817E-05	2060
2061	0.000109903	0.000116244	4.68134E-05	9.65135E-05	5.35334E-05	0.000107393	0.000113645	4.0875E-05	9.65135E-05	5.10014E-05	2061
2062	0.000105651	0.000111998	4.25121E-05	9.05055E-05	4.72752E-05	0.00010241	0.000108517	3.7434E-05	9.05055E-05	4.60605E-05	2062
2063	9.61303E-05	0.000102143	3.63071E-05	8.38865E-05	4.57831E-05	9.40641E-05	9.98363E-05	3.2653E-05	8.38865E-05	4.45394E-05	2063
2064	8.69068E-05	9.27231E-05	2.90392E-05	7.82557E-05	4.49296E-05	8.64322E-05	9.19949E-05	2.72497E-05	7.82557E-05	4.36722E-05	2064
2065	7.47735E-05	8.01193E-05	2.15868E-05	6.9554E-05	4.49322E-05	7.56399E-05	8.07344E-05	2.1439E-05	6.9554E-05	4.3689E-05	2065
2066	7.3176E-05	7.86289E-05	1.89237E-05	6.96972E-05	4.52413E-05	7.49349E-05	8.01281E-05	1.96842E-05	6.96972E-05	4.40096E-05	2066
2067	7.35001E-05	7.90699E-05	1.80848E-05	7.09117E-05	4.64292E-05	7.57493E-05	8.10587E-05	1.92614E-05	7.09117E-05	4.52369E-05	2067
2068	7.72886E-05	8.31875E-05	1.85991E-05	7.53381E-05	4.91557E-05	8.00351E-05	8.56719E-05	2.00652E-05	7.53381E-05	4.80377E-05	2068
2069	8.41655E-05	9.05314E-05	2.08294E-05	8.23491E-05	5.2849E-05	8.72493E-05	9.33557E-05	2.22822E-05	8.23491E-05	5.18157E-05	2069
2070	9.08607E-05	9.76075E-05	2.3735E-05	8.82789E-05	5.38749E-05	9.38099E-05	0.000100295	2.48142E-05	8.82789E-05	5.28207E-05	2070
2071	9.34485E-05	0.000100136	2.69183E-05	9.00127E-05	9.98476E-05	9.59296E-05	0.0001024	2.70895E-05	9.00127E-05	9.12773E-05	2071
2072	8.74545E-05	9.34865E-05	2.74414E-05	8.5738E-05	9.88469E-05	9.02742E-05	9.62285E-05	2.69268E-05	8.5738E-05	9.01945E-05	2072
2073	8.37075E-05	8.93773E-05	2.72977E-05	8.06532E-05	9.98199E-05	8.56873E-05	9.1272E-05	2.62715E-05	8.06532E-05	9.11669E-05	2073
2074	8.20559E-05	8.75153E-05	2.77388E-05	7.77295E-05	0.00010034	8.33174E-05	8.86834E-05	2.62276E-05	7.77295E-05	9.16796E-05	2074
2075	8.10482E-05	8.6367E-05	2.813E-05	7.55782E-05	0.000101079	8.16959E-05	8.69098E-05	2.62246E-05	7.55782E-05	9.24283E-05	2075
2076	7.90452E-05	8.42606E-05	2.71556E-05	7.33165E-05	9.43113E-05	7.95217E-05	8.46176E-05	2.53056E-05	7.33165E-05	8.69265E-05	2076
2077	7.82922E-05	8.34571E-05	2.69062E-05	7.24572E-05	9.47606E-05	7.86909E-05	8.37334E-05	2.5043E-05	7.24572E-05	8.73882E-05	2077
2078	7.62958E-05	8.13671E-05	2.58405E-05	7.1432E-05	9.40309E-05	7.70856E-05	8.20495E-05	2.42742E-05	7.1432E-05	8.6644E-05	2078
2079	7.7232E-05	8.23966E-05	2.58476E-05	7.3127E-05	9.89541E-05	7.84253E-05	8.34947E-05	2.44917E-05	7.3127E-05	9.02602E-05	2079
2080	8.13002E-05	8.67408E-05	2.71699E-05	7.72423E-05	9.54724E-05	8.26782E-05	8.80244E-05	2.57996E-05	7.72423E-05	8.66986E-05	2080
2081	8.82218E-05	9.41648E-05	2.90944E-05	8.34839E-05	9.2074E-05	8.95975E-05	9.54196E-05	2.76564E-05	8.34839E-05	8.32215E-05	2081
2082	9.87056E-05	0.000105131	3.47814E-05	9.1442E-05	9.00461E-05	9.91811E-05	0.000105476	3.22104E-05	9.1442E-05	8.11467E-05	2082
2083	0.000109187	0.000115801	4.33787E-05	9.81186E-05	7.45956E-05	0.000107952	0.000114466	3.86438E-05	9.81186E-05	6.82074E-05	2083
2084	0.000112548	0.000119096	4.74067E-05	9.97626E-05	6.20601E-05	0.000110439	0.000116915	4.15384E-05	9.97626E-05	5.82817E-05	2084
2085	0.000109903	0.000116244	4.68134E-05	9.65135E-05	5.35334E-05	0.000107393	0.000113645	4.0875E-05	9.65135E-05	5.10014E-05	2085
2086	0.000105651	0.000111998	4.25121E-05	9.05055E-05	4.72752E-05	0.00010241	0.000108517	3.7434E-05	9.05055E-05	4.60605E-05	2086
2087	9.61303E-05	0.000102143	3.63071E-05	8.38865E-05	4.57831E-05	9.40641E-05	9.98363E-05	3.2653E-05	8.38865E-05	4.45394E-05	2087
2088	8.69068E-05	9.27231E-05	2.90392E-05	7.82557E-05	4.49296E-05	8.64322E-05	9.19949E-05	2.72497E-05	7.82557E-05	4.36722E-05	2088
2089	7.48124E-05	8.01612E-05	2.15955E-05	6.96029E-05	4.50278E-05	7.56851E-05	8.07828E-05	2.14504E-05	6.96029E-05	4.37837E-05	2089
2090	7.28675E-05	7.82962E-05	1.88557E-05	6.93167E-05	4.52823E-05	7.4579E-05	7.9747E-05	1.95964E-05	6.93167E-05	4.40498E-05	2090
2091	7.31764E-05	7.87207E-05	1.80144E-05	7.05183E-05	4.64428E-05	7.53783E-05	8.06614E-05	1.91709E-05	7.05183E-05	4.52484E-05	2091
2092	7.69348E-05	8.28058E-05	1.85239E-05	7.49194E-05	4.91845E-05	7.96347E-05	8.52428E-05	1.99696E-05	7.49194E-05	4.80642E-05	2092
2093	8.37615E-05	9.00956E-05	2.07424E-05	8.1864E-05	5.28821E-05	8.6789E-05	9.28626E-05	2.21709E-05	8.1864E-05	5.18467E-05	2093
2094	9.05384E-05	9.72598E-05	2.36654E-05	8.7891E-05	5.39182E-05	9.34423E-05	9.99012E-05	2.47252E-05	8.7891E-05	5.2862E-05	2094
2095	9.16183E-05	9.8135E-05	2.67824E-05	8.93857E-05	9.9884E-05	9.45325E-05	0.000100887	2.69271E-05	8.93857E-05	9.13119E-05	2095
2096	8.6979E-05	9.29736E-05	2.73371E-05	8.51546E-05	9.88791E-05	8.97269E-05	9.56424E-05	2.67923E-05	8.51546E-05	9.02254E-05	2096
2097	8.31667E-05	8.87944E-05	2.71757E-05	7.99677E-05	9.98318E-05	8.50553E-05	9.05955E-05	2.61122E-05	7.99677E-05	9.11772E-05	2097
2098	8.15189E-05	8.69363E-05	2.76207E-05	7.70692E-05	0.000100341	8.26987E-05	8.80209E-05	2.60752E-05	7.70692E-05	9.16795E-05	2098
2099	8.05861E-05	8.58687E-05	2.80278E-05	7.50063E-05	0.000101085	8.11619E-05	8.6338E-05	2.60924E-05	7.50063E-05	9.24327E-05	2099
2100	7.86102E-05	8.37918E-05	2.70581E-05	7.27688E-05	9.43185E-05	7.90149E-05	8.40751E-05	2.51785E-05	7.27688E-05	8.69323E-05	2100
2101	7.77866E-05	8.29116E-05	2.67971E-05	7.18485E-05	9.47421E-05	7.8114E-05	8.31155E-05	2.49032E-05	7.18485E-05	8.73679E-05	2101
2102	7.58797E-05	8.0918E-05	2.57527E-05	7.09445E-05	9.39812E-05	7.66168E-05	8.1547E-05	2.41631E-05	7.09445E-05	8.65923E-05	2102
2103	7.69092E-05	8.20487E-05	2.57755E-05	7.27226E-05	9.89156E-05	7.80501E-05	8.30931E-05	2.43979E-05	7.27226E-05	9.02198E-05	2103
2104	8.0972E-05	8.63877E-05	2.70909E-05	7.67937E-05	9.54617E-05	8.22804E-05	8.75992E-05	2.56936E-05	7.67937E-05	8.66865E-05	2104
2105	8.78511E-05	9.37658E-05	2.90053E-05	8.29787E-05	9.20775E-05	8.91488E-05	9.49399E-05	2.7537E-05	8.29787E-05	8.32238E-05	2105
2106	9.83045E-05	0.000104699	3.4686E-05	9.09019E-05	9.00521E-05	9.86984E-05	0.00010496	3.20831E-05	9.09019E-05	8.11517E-05	2106
2107	0.000108768	0.00011535	4.32823E-05	9.75751E-05	7.46031E-05	0.000107457	0.000113937	3.85168E-05	9.75751E-05	6.82139E-05	2107
2108	0.000112058	0.000118567	4.7293E-05	9.91217E-05	6.20775E-05	0.000109857	0.000116293	4.13884E-05	9.91217E-05	5.82976E-05	2108
2109	0.000110783	0.000117221	4.67312E-05	9.59127E-05	5.35667E-05	0.000107669	0.000113959	4.07507E-05	9.59127E-05	5.10327E-05	2109
2110	0.000104989	0.000111283	4.2362E-05	8.96617E-05	4.73234E-05	0.000101634	0.000107686	3.72377E-05	8.96617E-05	4.61066E-05	2110
2111	9.53051E-05	0.000101253	3.61297E-05	8.28975E-05	4.58368E-05	9.31246E-05	9.88298E-05	3.24262E-05	8.28975E-05	4.45912E-05	2111
2112	8.64975E-05	9.22818E-05	2.89474E-05	7.77405E-05	4.508E-05	8.59554E-05	9.14845E-05	2.71302E-05	7.77405E-05	4.38216E-05	2112
2113	7.48124E-05	8.01612E-05	2.15955E-05	6.96029E-05	4.50278E-05	7.56851E-05	8.07828E-05	2.14504E-05	6.96029E-05	4.37837E-05	2113
2114	7.28675E-05	7.82962E-05	1.88557E-05	6.93167E-05	4.52823E-05	7.4579E-05	7.9747E-05	1.95964E-05	6.93167E-05	4.40498E-05	2114
2115	7.31764E-05	7.87207E-05	1.80144E-05	7.05183E-05	4.64428E-05	7.53783E-05	8.06614E-05	1.91709E-05	7.05183E-05	4.52484E-05	2115
2116	7.69348E-05	8.28058E-05	1.85239E-05	7.49194E-05	4.91845E-05	7.96347E-05	8.52428E-05	1.99696E-05	7.49194E-05	4.80642E-05	2116
2117	8.37615E-05	9.00956E-05	2.07424E-05	8.1864E-05	5.28821E-05	8.6789E-05	9.28626E-05	2.21709E-05	8.1864E-05	5.18467E-05	2117
2118	9.05384E-05	9.72598E-05	2.36654E-05	8.7891E-05	5.39182E-05	9.34423E-05	9.99012E-05	2.47252E-05	8.7891E-05	5.2862E-05	2118
2119	9.16183E-05	9.8135E-05	2.67824E-05	8.93857E-05	9.9884E-05	9.45325E-05	0.000100887	2.69271E-05	8.93857E-05	9.13119E-05	2119

2120	8.6979E-05	9.29736E-05	2.73371E-05	8.51546E-05	9.88791E-05	8.97269E-05	9.56424E-05	2.67923E-05	8.51546E-05	9.02254E-05	2120
2121	8.31667E-05	8.87944E-05	2.71757E-05	7.99677E-05	9.98318E-05	8.50553E-05	9.05955E-05	2.61122E-05	7.99677E-05	9.11772E-05	2121
2122	8.15189E-05	8.69363E-05	2.76207E-05	7.70692E-05	0.000100341	8.26987E-05	8.80209E-05	2.60752E-05	7.70692E-05	9.16795E-05	2122
2123	8.05861E-05	8.58687E-05	2.80278E-05	7.50063E-05	0.000101085	8.11619E-05	8.6338E-05	2.60924E-05	7.50063E-05	9.24327E-05	2123
2124	7.86102E-05	8.37918E-05	2.70581E-05	7.27688E-05	9.43185E-05	7.90149E-05	8.40751E-05	2.51785E-05	7.27688E-05	8.69323E-05	2124
2125	7.77866E-05	8.29116E-05	2.67971E-05	7.18485E-05	9.47421E-05	7.8114E-05	8.31155E-05	2.49032E-05	7.18485E-05	8.73679E-05	2125
2126	7.58797E-05	8.0918E-05	2.57527E-05	7.09445E-05	9.39812E-05	7.66168E-05	8.1547E-05	2.41631E-05	7.09445E-05	8.65923E-05	2126
2127	7.69092E-05	8.20487E-05	2.57755E-05	7.27226E-05	9.89156E-05	7.80501E-05	8.30931E-05	2.43979E-05	7.27226E-05	9.02198E-05	2127
2128	8.0972E-05	8.63877E-05	2.70909E-05	7.67937E-05	9.54617E-05	8.22804E-05	8.75992E-05	2.56936E-05	7.67937E-05	8.66865E-05	2128
2129	8.78511E-05	9.37658E-05	2.90053E-05	8.29787E-05	9.20775E-05	8.91488E-05	9.49399E-05	2.7537E-05	8.29787E-05	8.32238E-05	2129
2130	9.83045E-05	0.000104699	3.4686E-05	9.09019E-05	9.00521E-05	9.86984E-05	0.00010496	3.20831E-05	9.09019E-05	8.11517E-05	2130
2131	0.000108768	0.00011535	4.32823E-05	9.75751E-05	7.46031E-05	0.000107457	0.000113937	3.85168E-05	9.75751E-05	6.82139E-05	2131
2132	0.000112058	0.000118567	4.7293E-05	9.91217E-05	6.20775E-05	0.000109857	0.000116293	4.13884E-05	9.91217E-05	5.82976E-05	2132
2133	0.000110783	0.000117221	4.67312E-05	9.59127E-05	5.35667E-05	0.000107669	0.000113959	4.07507E-05	9.59127E-05	5.10327E-05	2133
2134	0.000104989	0.000111283	4.2362E-05	8.96617E-05	4.73234E-05	0.000101634	0.000107686	3.72377E-05	8.96617E-05	4.61066E-05	2134
2135	9.53051E-05	0.000101253	3.61297E-05	8.28975E-05	4.58368E-05	9.31246E-05	9.88298E-05	3.24262E-05	8.28975E-05	4.45912E-05	2135
2136	8.64975E-05	9.22818E-05	2.89474E-05	7.77405E-05	4.508E-05	8.59554E-05	9.14845E-05	2.71302E-05	7.77405E-05	4.38216E-05	2136
2137	7.48124E-05	8.01612E-05	2.15955E-05	6.96029E-05	4.50278E-05	7.56851E-05	8.07828E-05	2.14504E-05	6.96029E-05	4.37837E-05	2137
2138	7.28675E-05	7.82962E-05	1.88557E-05	6.93167E-05	4.52823E-05	7.4579E-05	7.9747E-05	1.95964E-05	6.93167E-05	4.40498E-05	2138
2139	7.31764E-05	7.87207E-05	1.80144E-05	7.05183E-05	4.64428E-05	7.53783E-05	8.06614E-05	1.91709E-05	7.05183E-05	4.52484E-05	2139
2140	7.69348E-05	8.28058E-05	1.85239E-05	7.49194E-05	4.91845E-05	7.96347E-05	8.52428E-05	1.99696E-05	7.49194E-05	4.80642E-05	2140
2141	8.37615E-05	9.00956E-05	2.07424E-05	8.1864E-05	5.28821E-05	8.6789E-05	9.28626E-05	2.21709E-05	8.1864E-05	5.18467E-05	2141
2142	9.05384E-05	9.72598E-05	2.36654E-05	8.7891E-05	5.39182E-05	9.34423E-05	9.99012E-05	2.47252E-05	8.7891E-05	5.2862E-05	2142
2143	9.16183E-05	9.8135E-05	2.67824E-05	8.93857E-05	9.9884E-05	9.45325E-05	0.000100887	2.69271E-05	8.93857E-05	9.13119E-05	2143
2144	8.6979E-05	9.29736E-05	2.73371E-05	8.51546E-05	9.88791E-05	8.97269E-05	9.56424E-05	2.67923E-05	8.51546E-05	9.02254E-05	2144
2145	8.31667E-05	8.87944E-05	2.71757E-05	7.99677E-05	9.98318E-05	8.50553E-05	9.05955E-05	2.61122E-05	7.99677E-05	9.11772E-05	2145
2146	8.15189E-05	8.69363E-05	2.76207E-05	7.70692E-05	0.000100341	8.26987E-05	8.80209E-05	2.60752E-05	7.70692E-05	9.16795E-05	2146
2147	8.05861E-05	8.58687E-05	2.80278E-05	7.50063E-05	0.000101085	8.11619E-05	8.6338E-05	2.60924E-05	7.50063E-05	9.24327E-05	2147
2148	7.86102E-05	8.37918E-05	2.70581E-05	7.27688E-05	9.43185E-05	7.90149E-05	8.40751E-05	2.51785E-05	7.27688E-05	8.69323E-05	2148
2149	7.77866E-05	8.29116E-05	2.67971E-05	7.18485E-05	9.47421E-05	7.8114E-05	8.31155E-05	2.49032E-05	7.18485E-05	8.73679E-05	2149
2150	7.58797E-05	8.0918E-05	2.57527E-05	7.09445E-05	9.39812E-05	7.66168E-05	8.1547E-05	2.41631E-05	7.09445E-05	8.65923E-05	2150
2151	7.69092E-05	8.20487E-05	2.57755E-05	7.27226E-05	9.89156E-05	7.80501E-05	8.30931E-05	2.43979E-05	7.27226E-05	9.02198E-05	2151
2152	8.0972E-05	8.63877E-05	2.70909E-05	7.67937E-05	9.54617E-05	8.22804E-05	8.75992E-05	2.56936E-05	7.67937E-05	8.66865E-05	2152
2153	8.78511E-05	9.37658E-05	2.90053E-05	8.29787E-05	9.20775E-05	8.91488E-05	9.49399E-05	2.7537E-05	8.29787E-05	8.32238E-05	2153
2154	9.83045E-05	0.000104699	3.4686E-05	9.09019E-05	9.00521E-05	9.86984E-05	0.00010496	3.20831E-05	9.09019E-05	8.11517E-05	2154
2155	0.000108768	0.00011535	4.32823E-05	9.75751E-05	7.46031E-05	0.000107457	0.000113937	3.85168E-05	9.75751E-05	6.82139E-05	2155
2156	0.000112058	0.000118567	4.7293E-05	9.91217E-05	6.20775E-05	0.000109857	0.000116293	4.13884E-05	9.91217E-05	5.82976E-05	2156
2157	0.000110783	0.000117221	4.67312E-05	9.59127E-05	5.35667E-05	0.000107669	0.000113959	4.07507E-05	9.59127E-05	5.10327E-05	2157
2158	0.000104989	0.000111283	4.2362E-05	8.96617E-05	4.73234E-05	0.000101634	0.000107686	3.72377E-05	8.96617E-05	4.61066E-05	2158
2159	9.53051E-05	0.000101253	3.61297E-05	8.28975E-05	4.58368E-05	9.31246E-05	9.88298E-05	3.24262E-05	8.28975E-05	4.45912E-05	2159
2160	8.64975E-05	9.22818E-05	2.89474E-05	7.77405E-05	4.508E-05	8.59554E-05	9.14845E-05	2.71302E-05	7.77405E-05	4.38216E-05	2160
2161	7.48124E-05	8.01612E-05	2.15955E-05	6.96029E-05	4.50278E-05	7.56851E-05	8.07828E-05	2.14504E-05	6.96029E-05	4.37837E-05	2161
2162	7.28675E-05	7.82962E-05	1.88557E-05	6.93167E-05	4.52823E-05	7.4579E-05	7.9747E-05	1.95964E-05	6.93167E-05	4.40498E-05	2162
2163	7.31764E-05	7.87207E-05	1.80144E-05	7.05183E-05	4.64428E-05	7.53783E-05	8.06614E-05	1.91709E-05	7.05183E-05	4.52484E-05	2163
2164	7.69348E-05	8.28058E-05	1.85239E-05	7.49194E-05	4.91845E-05	7.96347E-05	8.52428E-05	1.99696E-05	7.49194E-05	4.80642E-05	2164
2165	8.37615E-05	9.00956E-05	2.07424E-05	8.1864E-05	5.28821E-05	8.6789E-05	9.28626E-05	2.21709E-05	8.1864E-05	5.18467E-05	2165
2166	9.05384E-05	9.72598E-05	2.36654E-05	8.7891E-05	5.39182E-05	9.34423E-05	9.99012E-05	2.47252E-05	8.7891E-05	5.2862E-05	2166
2167	9.16183E-05	9.8135E-05	2.67824E-05	8.93857E-05	9.9884E-05	9.45325E-05	0.000100887	2.69271E-05	8.93857E-05	9.13119E-05	2167
2168	8.6979E-05	9.29736E-05	2.73371E-05	8.51546E-05	9.88791E-05	8.97269E-05	9.56424E-05	2.67923E-05	8.51546E-05	9.02254E-05	2168
2169	8.31667E-05	8.87944E-05	2.71757E-05	7.99677E-05	9.98318E-05	8.50553E-05	9.05955E-05	2.61122E-05	7.99677E-05	9.11772E-05	2169
2170	8.15189E-05	8.69363E-05	2.76207E-05	7.70692E-05	0.000100341	8.26987E-05	8.80209E-05	2.60752E-05	7.70692E-05	9.16795E-05	2170
2171	8.05861E-05	8.58687E-05	2.80278E-05	7.50063E-05	0.000101085	8.11619E-05	8.6338E-05	2.60924E-05	7.50063E-05	9.24327E-05	2171
2172	7.86102E-05	8.37918E-05	2.70581E-05	7.27688E-05	9.43185E-05	7.90149E-05	8.40751E-05	2.51785E-05	7.27688E-05	8.69323E-05	2172
2173	7.77866E-05	8.29116E-05	2.67971E-05	7.18485E-05	9.47421E-05	7.8114E-05	8.31155E-05	2.49032E-05	7.18485E-05	8.73679E-05	2173
2174	7.58797E-05	8.0918E-05	2.57527E-05	7.09445E-05	9.39812E-05	7.66168E-05	8.1547E-05	2.41631E-05	7.09445E-05	8.65923E-05	2174
2175	7.69092E-05	8.20487E-05	2.57755E-05	7.27226E-05	9.89156E-05	7.80501E-05	8.30931E-05	2.43979E-05	7.27226E-05	9.02198E-05	2175
2176	8.0972E-05	8.63877E-05	2.70909E-05	7.67937E-05	9.54617E-05	8.22804E-05	8.75992E-05	2.56936E-05	7.67937E-05	8.66865E-05	2176
2177	8.78511E-05	9.37658E-05	2.90053E-05	8.29787E-05	9.20775E-05	8.91488E-05	9.49399E-05	2.7537E-05	8.29787E-05	8.32238E-05	2177
2178	9.83045E-05	0.000104699	3.4686E-05	9.09019E-05	9.00521E-05	9.86984E-05	0.00010496	3.20831E-05	9.09019E-05	8.11517E-05	2178
2179	0.000108768	0.00011535	4.32823E-05	9.75751E-05	7.46031E-05	0.000107457	0.000113937	3.85168E-05	9.75751E-05	6.82139E-05	2179
2180	0.000112058	0.000118567	4.7293E-05	9.91217E-05	6.20775E-05	0.000109857	0.000116293	4.13884E-05	9.91217E-05	5.82976E-05	2180
2181	0.000110783	0.000117221	4.67312E-05	9.59127E-05	5.35667E-05	0.000107669	0.000113959	4.07507E-05	9.59127E-05	5.10327E-05	2181
2182	0.000104989	0.000111283	4.2362E-05	8.96617E-05	4.73234E-05	0.000101634	0.000107686	3.72377E-05	8.96617E-05	4.61066E-05	2182
2183	9.53051E-05	0.000101253	3.61297E-05	8.28975E-05	4.58368E-05	9.31246E-05	9.88298E-05	3.24262E-05	8.28975E-05	4.45912E-05	2183
2184	8.64975E-05	9.22818E-05	2.89474E-05	7.77405E-05	4.508E-05	8.59554E-05	9.14845E-05	2.71302E-05	7.77405E-05	4.38216E-05	2184
2185	6.22703E-05	6.66417E-05	1.87784E-05	5.37891E-05	4.49734E-05	6.10629E-05	6.51312E-05	1.77799E-05	5.37891E-05	4.37005E-05	2185
2186	6.04003E-05	6.48595E-05	1.6034E-05	5.34587E-05	4.55619E-05	5.99832E-05	6.41259E-05	1.5908E-05	5.34587E-05	4.43163E-05	2186
2187	6.14275E-05	6.60579E-05	1.53597E-05	5.56028E-05	4.73271E-05	6.16362E-05	6.59535E-05	1.57033E-05	5.56028E-05	4.61391E-05	2187
2188	6.6285E-05	7.13303E-05	1.60883E-05	6.12099E-05	5.08381E-05	6.7095E-05	7.1825E-05	1.6772E-05	6.12099E-05	4.97419E-05	2188
2189	7.27518E-05	7.82438E-05	1.81106E-05	6.69537E-05	5.44706E-05	7.35021E-05	7.86575E-05	1.86535E-05	6.69537E-05	5.34538E-05	2189
2190	7.73807E-05	8.30975E-05	2.05031E-05	6.99608E-05	5.52011E-05	7.75146E-05	8.28745E-05	2.04897E-05	6.99608E-05	5.41468E-05	2190
2191	7.64978E-05	8.18522E-05	2.3225E-05	6.92768E-05	0.000101334	7.64462E-05	8.15448E-05	2.22023E-05	6.92768E-05	9.27707E-05	2191
2192	7.20862E-05	7.69196E-05	2.39985E-05	6.64187E-05	0.000100007	7.23824E-05	7.70761E-05	2.24458E-05	6.64187E-05	9.13635E-05	2192
2193	6.96131E-05	7.41806E-05	2.41703E-05	6.31307E-05	0.000100677	6.93643E-05	7.37957E-05	2.22181E-05	6.31307E-05	9.20223E-05	2193
2194	6.89625E-05	7.3397E-05	2.48419E-05	6.1506E-05	0.000101038	6.81775E-05	7.24729E-05	2.24777E-05	6.1506E-05	9.23726E-05	2194
2195	6.86723E-05	7.30183E-05	2.54324E-05	6.05065E-05	0.000101331	6.75008E-05	7.17066E-05	2.27556E-05	6.05065E-05	9.26601E-05	2195

2196	6.68375E-05	7.10856E-05	2.45721E-05	5.89508E-05	9.4729E-05	6.57393E-05	6.98479E-05	2.20276E-05	5.89508E-05	8.73211E-05	2196
2197	6.52381E-05	6.9365E-05	2.41782E-05	5.73195E-05	9.443E-05	6.40512E-05	6.80411E-05	2.16021E-05	5.73195E-05	8.70131E-05	2197
2198	6.52376E-05	6.94466E-05	2.33616E-05	5.75208E-05	9.28217E-05	6.42072E-05	6.82639E-05	2.10471E-05	5.75208E-05	8.53653E-05	2198
2199	6.8659E-05	7.31775E-05	2.37037E-05	6.09034E-05	9.6971E-05	6.78103E-05	7.21559E-05	2.15767E-05	6.09034E-05	8.8187E-05	2199
2200	7.41799E-05	7.91015E-05	2.52145E-05	6.59578E-05	9.37018E-05	7.33655E-05	7.80945E-05	2.30535E-05	6.59578E-05	8.48521E-05	2200
2201	7.91948E-05	8.44647E-05	2.67632E-05	7.0136E-05	9.10321E-05	7.82112E-05	8.32643E-05	2.44501E-05	7.0136E-05	8.21355E-05	2201
2202	8.63392E-05	9.18162E-05	3.18467E-05	7.48324E-05	8.94573E-05	8.43175E-05	8.95828E-05	2.82992E-05	7.48324E-05	8.05395E-05	2202
2203	9.52353E-05	0.000100772	4.01528E-05	7.99299E-05	7.40967E-05	9.14242E-05	9.67851E-05	3.43892E-05	7.99299E-05	6.7689E-05	2203
2204	9.82381E-05	0.000103673	4.41638E-05	8.15344E-05	6.15062E-05	9.36739E-05	9.89729E-05	3.72973E-05	8.15344E-05	5.76938E-05	2204
2205	9.63297E-05	0.000101641	4.34897E-05	7.77203E-05	5.28841E-05	9.08322E-05	9.59362E-05	3.65298E-05	7.77203E-05	5.03033E-05	2205
2206	8.97196E-05	9.48091E-05	3.90828E-05	7.13837E-05	4.6569E-05	8.42593E-05	8.90727E-05	3.30489E-05	7.13837E-05	4.53041E-05	2206
2207	7.93037E-05	8.3985E-05	3.27284E-05	6.39703E-05	4.55648E-05	7.50166E-05	7.94263E-05	2.81018E-05	6.39703E-05	4.42838E-05	2207
2208	7.09998E-05	7.55619E-05	2.561E-05	5.91299E-05	4.51267E-05	6.8295E-05	7.25654E-05	2.28617E-05	5.91299E-05	4.38455E-05	2208
2209	6.1966E-05	6.63142E-05	1.87048E-05	5.33712E-05	4.49879E-05	6.06931E-05	6.47359E-05	1.7681E-05	5.33712E-05	4.37133E-05	2209
2210	6.01247E-05	6.45632E-05	1.5965E-05	5.30647E-05	4.55836E-05	5.96415E-05	6.3761E-05	1.5814E-05	5.30647E-05	4.43359E-05	2210
2211	6.12014E-05	6.5815E-05	1.53001E-05	5.52605E-05	4.73427E-05	6.13475E-05	6.56455E-05	1.56207E-05	5.52605E-05	4.61529E-05	2211
2212	6.60721E-05	7.11026E-05	1.60227E-05	6.08259E-05	5.08572E-05	6.67962E-05	7.15071E-05	1.66765E-05	6.08259E-05	4.97609E-05	2212
2213	7.26393E-05	7.81246E-05	1.80649E-05	6.66794E-05	5.45277E-05	7.33129E-05	7.84572E-05	1.85826E-05	6.66794E-05	5.35113E-05	2213
2214	7.72553E-05	8.29639E-05	2.04597E-05	6.97038E-05	5.529E-05	7.73251E-05	8.26733E-05	2.04246E-05	6.97038E-05	5.42362E-05	2214
2215	7.77995E-05	8.32839E-05	2.32342E-05	6.91862E-05	0.000101409	7.72048E-05	8.23753E-05	2.21952E-05	6.91862E-05	9.2846E-05	2215
2216	7.18234E-05	7.66364E-05	2.39379E-05	6.6077E-05	0.000100144	7.20715E-05	7.67435E-05	2.23659E-05	6.6077E-05	9.15012E-05	2216
2217	6.9313E-05	7.38573E-05	2.41008E-05	6.27386E-05	0.000100901	6.90083E-05	7.34149E-05	2.21263E-05	6.27386E-05	9.22477E-05	2217
2218	6.87308E-05	7.31475E-05	2.47879E-05	6.1201E-05	0.000101276	6.79017E-05	7.21779E-05	2.24062E-05	6.1201E-05	9.26115E-05	2218
2219	6.84474E-05	7.27761E-05	2.53804E-05	6.0213E-05	0.000101592	6.72344E-05	7.14215E-05	2.26869E-05	6.0213E-05	9.29225E-05	2219
2220	6.66734E-05	7.09093E-05	2.453E-05	5.87095E-05	9.48837E-05	6.5533E-05	6.96276E-05	2.19697E-05	5.87095E-05	8.74742E-05	2220
2221	6.50825E-05	6.9198E-05	2.4137E-05	5.70826E-05	9.45729E-05	6.38519E-05	6.78285E-05	2.15449E-05	5.70826E-05	8.7155E-05	2221
2222	6.51296E-05	6.93307E-05	2.33316E-05	5.73475E-05	9.29554E-05	6.40649E-05	6.81123E-05	2.10048E-05	5.73475E-05	8.54983E-05	2222
2223	6.84983E-05	7.30045E-05	2.3666E-05	6.06903E-05	9.70698E-05	6.76184E-05	7.19507E-05	2.15266E-05	6.06903E-05	8.82851E-05	2223
2224	7.40866E-05	7.90012E-05	2.51896E-05	6.58145E-05	9.37489E-05	7.32454E-05	7.79664E-05	2.30188E-05	6.58145E-05	8.48994E-05	2224
2225	7.92775E-05	8.45536E-05	2.67852E-05	7.02622E-05	9.10368E-05	7.83173E-05	8.33775E-05	2.44806E-05	7.02622E-05	8.21398E-05	2225
2226	8.6407E-05	9.18891E-05	3.18646E-05	7.49355E-05	8.94509E-05	8.44044E-05	8.96755E-05	2.83241E-05	7.49355E-05	8.05322E-05	2226
2227	9.52843E-05	0.000100825	4.0159E-05	7.9961E-05	7.40728E-05	9.14679E-05	9.68324E-05	3.43947E-05	7.9961E-05	6.76647E-05	2227
2228	9.82979E-05	0.000103739	4.4164E-05	8.1524E-05	6.15032E-05	9.3706E-05	9.90086E-05	3.72902E-05	8.1524E-05	5.76922E-05	2228
2229	9.48588E-05	0.000100028	4.34326E-05	7.75335E-05	5.28484E-05	8.98483E-05	9.48656E-05	3.6469E-05	7.75335E-05	5.02685E-05	2229
2230	8.97279E-05	9.48186E-05	3.90792E-05	7.1359E-05	4.65397E-05	8.42535E-05	8.90671E-05	3.30412E-05	7.1359E-05	4.52757E-05	2230
2231	7.93584E-05	8.40445E-05	3.27353E-05	6.40047E-05	4.55322E-05	7.50652E-05	7.94789E-05	2.81078E-05	6.40047E-05	4.42521E-05	2231
2232	7.10358E-05	7.56009E-05	2.56158E-05	5.91607E-05	4.50749E-05	6.83305E-05	7.26037E-05	2.2868E-05	5.91607E-05	4.37942E-05	2232
2233	6.1966E-05	6.63142E-05	1.87048E-05	5.33712E-05	4.49879E-05	6.06931E-05	6.47359E-05	1.7681E-05	5.33712E-05	4.37133E-05	2233
2234	6.01247E-05	6.45632E-05	1.5965E-05	5.30647E-05	4.55836E-05	5.96415E-05	6.3761E-05	1.5814E-05	5.30647E-05	4.43359E-05	2234
2235	6.12014E-05	6.5815E-05	1.53001E-05	5.52605E-05	4.73427E-05	6.13475E-05	6.56455E-05	1.56207E-05	5.52605E-05	4.61529E-05	2235
2236	6.60721E-05	7.11026E-05	1.60227E-05	6.08259E-05	5.08572E-05	6.67962E-05	7.15071E-05	1.66765E-05	6.08259E-05	4.97609E-05	2236
2237	7.26393E-05	7.81246E-05	1.80649E-05	6.66794E-05	5.45277E-05	7.33129E-05	7.84572E-05	1.85826E-05	6.66794E-05	5.35113E-05	2237
2238	7.72553E-05	8.29639E-05	2.04597E-05	6.97038E-05	5.529E-05	7.73251E-05	8.26733E-05	2.04246E-05	6.97038E-05	5.42362E-05	2238
2239	7.77995E-05	8.32839E-05	2.32342E-05	6.91862E-05	0.000101409	7.72048E-05	8.23753E-05	2.21952E-05	6.91862E-05	9.2846E-05	2239
2240	7.18234E-05	7.66364E-05	2.39379E-05	6.6077E-05	0.000100144	7.20715E-05	7.67435E-05	2.23659E-05	6.6077E-05	9.15012E-05	2240
2241	6.9313E-05	7.38573E-05	2.41008E-05	6.27386E-05	0.000100901	6.90083E-05	7.34149E-05	2.21263E-05	6.27386E-05	9.22477E-05	2241
2242	6.87308E-05	7.31475E-05	2.47879E-05	6.1201E-05	0.000101276	6.79017E-05	7.21779E-05	2.24062E-05	6.1201E-05	9.26115E-05	2242
2243	6.84474E-05	7.27761E-05	2.53804E-05	6.0213E-05	0.000101592	6.72344E-05	7.14215E-05	2.26869E-05	6.0213E-05	9.29225E-05	2243
2244	6.66734E-05	7.09093E-05	2.453E-05	5.87095E-05	9.48837E-05	6.5533E-05	6.96276E-05	2.19697E-05	5.87095E-05	8.74742E-05	2244
2245	6.50825E-05	6.9198E-05	2.4137E-05	5.70826E-05	9.45729E-05	6.38519E-05	6.78285E-05	2.15449E-05	5.70826E-05	8.7155E-05	2245
2246	6.51296E-05	6.93307E-05	2.33316E-05	5.73475E-05	9.29554E-05	6.40649E-05	6.81123E-05	2.10048E-05	5.73475E-05	8.54983E-05	2246
2247	6.84983E-05	7.30045E-05	2.3666E-05	6.06903E-05	9.70698E-05	6.76184E-05	7.19507E-05	2.15266E-05	6.06903E-05	8.82851E-05	2247
2248	7.40866E-05	7.90012E-05	2.51896E-05	6.58145E-05	9.37489E-05	7.32454E-05	7.79664E-05	2.30188E-05	6.58145E-05	8.48994E-05	2248
2249	7.92775E-05	8.45536E-05	2.67852E-05	7.02622E-05	9.10368E-05	7.83173E-05	8.33775E-05	2.44806E-05	7.02622E-05	8.21398E-05	2249
2250	8.6407E-05	9.18891E-05	3.18646E-05	7.49355E-05	8.94509E-05	8.44044E-05	8.96755E-05	2.83241E-05	7.49355E-05	8.05322E-05	2250
2251	9.52843E-05	0.000100825	4.0159E-05	7.9961E-05	7.40728E-05	9.14679E-05	9.68324E-05	3.43947E-05	7.9961E-05	6.76647E-05	2251
2252	9.82979E-05	0.000103739	4.4164E-05	8.1524E-05	6.15032E-05	9.3706E-05	9.90086E-05	3.72902E-05	8.1524E-05	5.76922E-05	2252
2253	9.48588E-05	0.000100028	4.34326E-05	7.75335E-05	5.28484E-05	8.98483E-05	9.48656E-05	3.6469E-05	7.75335E-05	5.02685E-05	2253
2254	8.97279E-05	9.48186E-05	3.90792E-05	7.1359E-05	4.65397E-05	8.42535E-05	8.90671E-05	3.30412E-05	7.1359E-05	4.52757E-05	2254
2255	7.93584E-05	8.40445E-05	3.27353E-05	6.40047E-05	4.55322E-05	7.50652E-05	7.94789E-05	2.81078E-05	6.40047E-05	4.42521E-05	2255
2256	7.10358E-05	7.56009E-05	2.56158E-05	5.91607E-05	4.50749E-05	6.83305E-05	7.26037E-05	2.2868E-05	5.91607E-05	4.37942E-05	2256
2257	6.22703E-05	6.66417E-05	1.87784E-05	5.37891E-05	4.49734E-05	6.10629E-05	6.51312E-05	1.77799E-05	5.37891E-05	4.37005E-05	2257
2258	6.04003E-05	6.48595E-05	1.6034E-05	5.34587E-05	4.55619E-05	5.99832E-05	6.41259E-05	1.5908E-05	5.34587E-05	4.43163E-05	2258
2259	6.14275E-05	6.60579E-05	1.53597E-05	5.56028E-05	4.73271E-05	6.16362E-05	6.59535E-05	1.57033E-05	5.56028E-05	4.61391E-05	2259
2260	6.6285E-05	7.13303E-05	1.60883E-05	6.12099E-05	5.08381E-05	6.7095E-05	7.1825E-05	1.6772E-05	6.12099E-05	4.97419E-05	2260
2261	7.27518E-05	7.82438E-05	1.81106E-05	6.69537E-05	5.44706E-05	7.35021E-05	7.86575E-05	1.86535E-05	6.69537E-05	5.34538E-05	2261
2262	7.73807E-05	8.30975E-05	2.05031E-05	6.99608E-05	5.52011E-05	7.75146E-05	8.28745E-05	2.04897E-05	6.99608E-05	5.41468E-05	2262
2263	7.64978E-05	8.18522E-05	2.3225E-05	6.92768E-05	0.000101334	7.64462E-05	8.15448E-05	2.22023E-05	6.92768E-05	9.27707E-05	2263
2264	7.20862E-05	7.69196E-05	2.39985E-05	6.64187E-05	0.000100007	7.23824E-05	7.70761E-05	2.24458E-05	6.64187E-05	9.13635E-05	2264
2265	6.96131E-05	7.41806E-05	2.41703E-05	6.31307E-05	0.000100677	6.93643E-05	7.37957E-05	2.22181E-05	6.31307E-05	9.20223E-05	2265
2266	6.89625E-05	7.3397E-05	2.48419E-05	6.1506E-05	0.000101038	6.81775E-05	7.24729E-05	2.24777E-05	6.1506E-05	9.23726E-05	2266
2267	6.86723E-05	7.30183E-05	2.54324E-05	6.05065E-05	0.000101331	6.75008E-05	7.17066E-05	2.27556E-05	6.05065E-05	9.26601E-05	2267
2268	6.68375E-05	7.10856E-05	2.45721E-05	5.89508E-05	9.4729E-05	6.57393E-05	6.98479E-05	2.20276E-05	5.89508E-05	8.73211E-05	2268
2269	6.52381E-05	6.9365E-05	2.41782E-05	5.73195E-05	9.443E-05	6.40512E-05	6.80411E-05	2.16021E-05	5.73195E-05	8.70131E-05	2269
2270	6.52376E-05	6.94466E-05	2.33616E-05	5.75208E-05	9.28217E-05	6.42072E-05	6.82639E-05	2.10471E-05	5.75208E-05	8.53653E-05	2270
2271	6.8659E-05	7.31775E-05	2.37037E-05	6.09034E-05	9.6971E-05	6.78103E-05	7.21559E-05	2.15767E-05	6.09034E-05	8.8187E-05	2271

2272	7.41799E-05	7.91015E-05	2.52145E-05	6.59578E-05	9.37018E-05	7.33655E-05	7.80945E-05	2.30535E-05	6.59578E-05	8.48521E-05	2272
2273	7.91948E-05	8.44647E-05	2.67632E-05	7.0136E-05	9.10321E-05	7.82112E-05	8.32643E-05	2.44501E-05	7.0136E-05	8.21355E-05	2273
2274	8.63392E-05	9.18162E-05	3.18467E-05	7.48324E-05	8.94573E-05	8.43175E-05	8.95828E-05	2.82992E-05	7.48324E-05	8.05395E-05	2274
2275	9.52353E-05	0.000100772	4.01528E-05	7.99299E-05	7.40967E-05	9.14242E-05	9.67851E-05	3.43892E-05	7.99299E-05	6.7689E-05	2275
2276	9.82381E-05	0.000103673	4.41638E-05	8.15344E-05	6.15062E-05	9.36739E-05	9.89729E-05	3.72973E-05	8.15344E-05	5.76938E-05	2276
2277	9.63297E-05	0.000101641	4.34897E-05	7.77203E-05	5.28841E-05	9.08322E-05	9.59362E-05	3.65298E-05	7.77203E-05	5.03033E-05	2277
2278	8.97196E-05	9.48091E-05	3.90828E-05	7.13837E-05	4.6569E-05	8.42593E-05	8.90727E-05	3.30489E-05	7.13837E-05	4.53041E-05	2278
2279	7.93037E-05	8.3985E-05	3.27284E-05	6.39703E-05	4.55648E-05	7.50166E-05	7.94263E-05	2.81018E-05	6.39703E-05	4.42838E-05	2279
2280	7.09998E-05	7.55619E-05	2.561E-05	5.91299E-05	4.51267E-05	6.8295E-05	7.25654E-05	2.28617E-05	5.91299E-05	4.38455E-05	2280
2281	6.22703E-05	6.66417E-05	1.87784E-05	5.37891E-05	4.49734E-05	6.10629E-05	6.51312E-05	1.77799E-05	5.37891E-05	4.37005E-05	2281
2282	6.04003E-05	6.48595E-05	1.6034E-05	5.34587E-05	4.55619E-05	5.99832E-05	6.41259E-05	1.5908E-05	5.34587E-05	4.43163E-05	2282
2283	6.14275E-05	6.60579E-05	1.53597E-05	5.56028E-05	4.73271E-05	6.16362E-05	6.59535E-05	1.57033E-05	5.56028E-05	4.61391E-05	2283
2284	6.6285E-05	7.13303E-05	1.60883E-05	6.12099E-05	5.08381E-05	6.7095E-05	7.1825E-05	1.6772E-05	6.12099E-05	4.97419E-05	2284
2285	7.27518E-05	7.82438E-05	1.81106E-05	6.69537E-05	5.44706E-05	7.35021E-05	7.86575E-05	1.86535E-05	6.69537E-05	5.34538E-05	2285
2286	7.73807E-05	8.30975E-05	2.05031E-05	6.99608E-05	5.52011E-05	7.75146E-05	8.28745E-05	2.04897E-05	6.99608E-05	5.41468E-05	2286
2287	7.64978E-05	8.18522E-05	2.3225E-05	6.92768E-05	0.000101334	7.64462E-05	8.15448E-05	2.22023E-05	6.92768E-05	9.27707E-05	2287
2288	7.20862E-05	7.69196E-05	2.39985E-05	6.64187E-05	0.000100007	7.23824E-05	7.70761E-05	2.24458E-05	6.64187E-05	9.13635E-05	2288
2289	6.96131E-05	7.41806E-05	2.41703E-05	6.31307E-05	0.000100677	6.93643E-05	7.37957E-05	2.22181E-05	6.31307E-05	9.20223E-05	2289
2290	6.89625E-05	7.3397E-05	2.48419E-05	6.1506E-05	0.000101038	6.81775E-05	7.24729E-05	2.24777E-05	6.1506E-05	9.23726E-05	2290
2291	6.86723E-05	7.30183E-05	2.54324E-05	6.05065E-05	0.000101331	6.75008E-05	7.17066E-05	2.27556E-05	6.05065E-05	9.26601E-05	2291
2292	6.68375E-05	7.10856E-05	2.45721E-05	5.89508E-05	9.4729E-05	6.57393E-05	6.98479E-05	2.20276E-05	5.89508E-05	8.73211E-05	2292
2293	6.52381E-05	6.9365E-05	2.41782E-05	5.73195E-05	9.443E-05	6.40512E-05	6.80411E-05	2.16021E-05	5.73195E-05	8.70131E-05	2293
2294	6.52376E-05	6.94466E-05	2.33616E-05	5.75208E-05	9.28217E-05	6.42072E-05	6.82639E-05	2.10471E-05	5.75208E-05	8.53653E-05	2294
2295	6.8659E-05	7.31775E-05	2.37037E-05	6.09034E-05	9.6971E-05	6.78103E-05	7.21559E-05	2.15767E-05	6.09034E-05	8.8187E-05	2295
2296	7.41799E-05	7.91015E-05	2.52145E-05	6.59578E-05	9.37018E-05	7.33655E-05	7.80945E-05	2.30535E-05	6.59578E-05	8.48521E-05	2296
2297	7.91948E-05	8.44647E-05	2.67632E-05	7.0136E-05	9.10321E-05	7.82112E-05	8.32643E-05	2.44501E-05	7.0136E-05	8.21355E-05	2297
2298	8.63392E-05	9.18162E-05	3.18467E-05	7.48324E-05	8.94573E-05	8.43175E-05	8.95828E-05	2.82992E-05	7.48324E-05	8.05395E-05	2298
2299	9.52353E-05	0.000100772	4.01528E-05	7.99299E-05	7.40967E-05	9.14242E-05	9.67851E-05	3.43892E-05	7.99299E-05	6.7689E-05	2299
2300	9.82381E-05	0.000103673	4.41638E-05	8.15344E-05	6.15062E-05	9.36739E-05	9.89729E-05	3.72973E-05	8.15344E-05	5.76938E-05	2300
2301	9.63297E-05	0.000101641	4.34897E-05	7.77203E-05	5.28841E-05	9.08322E-05	9.59362E-05	3.65298E-05	7.77203E-05	5.03033E-05	2301
2302	8.97196E-05	9.48091E-05	3.90828E-05	7.13837E-05	4.6569E-05	8.42593E-05	8.90727E-05	3.30489E-05	7.13837E-05	4.53041E-05	2302
2303	7.93037E-05	8.3985E-05	3.27284E-05	6.39703E-05	4.55648E-05	7.50166E-05	7.94263E-05	2.81018E-05	6.39703E-05	4.42838E-05	2303
2304	7.09998E-05	7.55619E-05	2.561E-05	5.91299E-05	4.51267E-05	6.8295E-05	7.25654E-05	2.28617E-05	5.91299E-05	4.38455E-05	2304
2305	6.22703E-05	6.66417E-05	1.87784E-05	5.37891E-05	4.49734E-05	6.10629E-05	6.51312E-05	1.77799E-05	5.37891E-05	4.37005E-05	2305
2306	6.04003E-05	6.48595E-05	1.6034E-05	5.34587E-05	4.55619E-05	5.99832E-05	6.41259E-05	1.5908E-05	5.34587E-05	4.43163E-05	2306
2307	6.14275E-05	6.60579E-05	1.53597E-05	5.56028E-05	4.73271E-05	6.16362E-05	6.59535E-05	1.57033E-05	5.56028E-05	4.61391E-05	2307
2308	6.6285E-05	7.13303E-05	1.60883E-05	6.12099E-05	5.08381E-05	6.7095E-05	7.1825E-05	1.6772E-05	6.12099E-05	4.97419E-05	2308
2309	7.27518E-05	7.82438E-05	1.81106E-05	6.69537E-05	5.44706E-05	7.35021E-05	7.86575E-05	1.86535E-05	6.69537E-05	5.34538E-05	2309
2310	7.73807E-05	8.30975E-05	2.05031E-05	6.99608E-05	5.52011E-05	7.75146E-05	8.28745E-05	2.04897E-05	6.99608E-05	5.41468E-05	2310
2311	7.64978E-05	8.18522E-05	2.3225E-05	6.92768E-05	0.000101334	7.64462E-05	8.15448E-05	2.22023E-05	6.92768E-05	9.27707E-05	2311
2312	7.20862E-05	7.69196E-05	2.39985E-05	6.64187E-05	0.000100007	7.23824E-05	7.70761E-05	2.24458E-05	6.64187E-05	9.13635E-05	2312
2313	6.96131E-05	7.41806E-05	2.41703E-05	6.31307E-05	0.000100677	6.93643E-05	7.37957E-05	2.22181E-05	6.31307E-05	9.20223E-05	2313
2314	6.89625E-05	7.3397E-05	2.48419E-05	6.1506E-05	0.000101038	6.81775E-05	7.24729E-05	2.24777E-05	6.1506E-05	9.23726E-05	2314
2315	6.86723E-05	7.30183E-05	2.54324E-05	6.05065E-05	0.000101331	6.75008E-05	7.17066E-05	2.27556E-05	6.05065E-05	9.26601E-05	2315
2316	6.68375E-05	7.10856E-05	2.45721E-05	5.89508E-05	9.4729E-05	6.57393E-05	6.98479E-05	2.20276E-05	5.89508E-05	8.73211E-05	2316
2317	6.52381E-05	6.9365E-05	2.41782E-05	5.73195E-05	9.443E-05	6.40512E-05	6.80411E-05	2.16021E-05	5.73195E-05	8.70131E-05	2317
2318	6.52376E-05	6.94466E-05	2.33616E-05	5.75208E-05	9.28217E-05	6.42072E-05	6.82639E-05	2.10471E-05	5.75208E-05	8.53653E-05	2318
2319	6.8659E-05	7.31775E-05	2.37037E-05	6.09034E-05	9.6971E-05	6.78103E-05	7.21559E-05	2.15767E-05	6.09034E-05	8.8187E-05	2319
2320	7.41799E-05	7.91015E-05	2.52145E-05	6.59578E-05	9.37018E-05	7.33655E-05	7.80945E-05	2.30535E-05	6.59578E-05	8.48521E-05	2320
2321	7.91948E-05	8.44647E-05	2.67632E-05	7.0136E-05	9.10321E-05	7.82112E-05	8.32643E-05	2.44501E-05	7.0136E-05	8.21355E-05	2321
2322	8.63392E-05	9.18162E-05	3.18467E-05	7.48324E-05	8.94573E-05	8.43175E-05	8.95828E-05	2.82992E-05	7.48324E-05	8.05395E-05	2322
2323	9.52353E-05	0.000100772	4.01528E-05	7.99299E-05	7.40967E-05	9.14242E-05	9.67851E-05	3.43892E-05	7.99299E-05	6.7689E-05	2323
2324	9.82381E-05	0.000103673	4.41638E-05	8.15344E-05	6.15062E-05	9.36739E-05	9.89729E-05	3.72973E-05	8.15344E-05	5.76938E-05	2324
2325	9.63297E-05	0.000101641	4.34897E-05	7.77203E-05	5.28841E-05	9.08322E-05	9.59362E-05	3.65298E-05	7.77203E-05	5.03033E-05	2325
2326	8.97196E-05	9.48091E-05	3.90828E-05	7.13837E-05	4.6569E-05	8.42593E-05	8.90727E-05	3.30489E-05	7.13837E-05	4.53041E-05	2326
2327	7.93037E-05	8.3985E-05	3.27284E-05	6.39703E-05	4.55648E-05	7.50166E-05	7.94263E-05	2.81018E-05	6.39703E-05	4.42838E-05	2327
2328	7.09998E-05	7.55619E-05	2.561E-05	5.91299E-05	4.51267E-05	6.8295E-05	7.25654E-05	2.28617E-05	5.91299E-05	4.38455E-05	2328
2329	6.22703E-05	6.66417E-05	1.87784E-05	5.37891E-05	4.49734E-05	6.10629E-05	6.51312E-05	1.77799E-05	5.37891E-05	4.37005E-05	2329
2330	6.04003E-05	6.48595E-05	1.6034E-05	5.34587E-05	4.55619E-05	5.99832E-05	6.41259E-05	1.5908E-05	5.34587E-05	4.43163E-05	2330
2331	6.14275E-05	6.60579E-05	1.53597E-05	5.56028E-05	4.73271E-05	6.16362E-05	6.59535E-05	1.57033E-05	5.56028E-05	4.61391E-05	2331
2332	6.6285E-05	7.13303E-05	1.60883E-05	6.12099E-05	5.08381E-05	6.7095E-05	7.1825E-05	1.6772E-05	6.12099E-05	4.97419E-05	2332
2333	7.27518E-05	7.82438E-05	1.81106E-05	6.69537E-05	5.44706E-05	7.35021E-05	7.86575E-05	1.86535E-05	6.69537E-05	5.34538E-05	2333
2334	7.73807E-05	8.30975E-05	2.05031E-05	6.99608E-05	5.52011E-05	7.75146E-05	8.28745E-05	2.04897E-05	6.99608E-05	5.41468E-05	2334
2335	7.64978E-05	8.18522E-05	2.3225E-05	6.92768E-05	0.000101334	7.64462E-05	8.15448E-05	2.22023E-05	6.92768E-05	9.27707E-05	2335
2336	7.20862E-05	7.69196E-05	2.39985E-05	6.64187E-05	0.000100007	7.23824E-05	7.70761E-05	2.24458E-05	6.64187E-05	9.13635E-05	2336
2337	6.96131E-05	7.41806E-05	2.41703E-05	6.31307E-05	0.000100677	6.93643E-05	7.37957E-05	2.22181E-05	6.31307E-05	9.20223E-05	2337
2338	6.89625E-05	7.3397E-05	2.48419E-05	6.1506E-05	0.000101038	6.81775E-05	7.24729E-05	2.24777E-05	6.1506E-05	9.23726E-05	2338
2339	6.86723E-05	7.30183E-05	2.54324E-05	6.05065E-05	0.000101331	6.75008E-05	7.17066E-05	2.27556E-05	6.05065E-05	9.26601E-05	2339
2340	6.68375E-05	7.10856E-05	2.45721E-05	5.89508E-05	9.4729E-05	6.57393E-05	6.98479E-05	2.20276E-05	5.89508E-05	8.73211E-05	2340
2341	6.52381E-05	6.9365E-05	2.41782E-05	5.73195E-05	9.443E-05	6.40512E-05	6.80411E-05	2.16021E-05	5.73195E-05	8.70131E-05	2341
2342	6.52376E-05	6.94466E-05	2.33616E-05	5.75208E-05	9.28217E-05	6.42072E-05	6.82639E-05	2.10471E-05	5.75208E-05	8.53653E-05	2342
2343	6.8659E-05	7.31775E-05	2.37037E-05	6.09034E-05	9.6971E-05	6.78103E-05	7.21559E-05	2.15767E-05	6.09034E-05	8.8187E-05	2343
2344	7.41799E-05	7.91015E-05	2.52145E-05	6.59578E-05	9.37018E-05	7.33655E-05	7.80945E-05	2.30535E-05	6.59578E-05	8.48521E-05	2344
2345	7.91948E-05	8.44647E-05	2.67632E-05	7.0136E-05	9.10321E-05	7.82112E-05	8.32643E-05	2.44501E-05	7.0136E-05	8.21355E-05	2345
2346	8.63392E-05	9.18162E-05	3.18467E-05	7.48324E-05	8.94573E-05	8.43175E-05	8.95828E-05	2.82992E-05	7.48324E-05	8.05395E-05	2346
2347	9.52353E-05	0.000100772	4.01528E-05	7.99299E-05	7.40967E-05	9.14242E-05	9.67851E-05	3.43892E-05	7.99299E-05	6.7689E-05	2347

2348	9.82381E-05	0.000103673	4.41638E-05	8.15344E-05	6.15062E-05	9.36739E-05	9.89729E-05	3.72973E-05	8.15344E-05	5.76938E-05	2348
2349	9.63297E-05	0.000101641	4.34897E-05	7.77203E-05	5.28841E-05	9.08322E-05	9.59362E-05	3.65298E-05	7.77203E-05	5.03033E-05	2349
2350	8.97196E-05	9.48091E-05	3.90828E-05	7.13837E-05	4.6569E-05	8.42593E-05	8.90727E-05	3.30489E-05	7.13837E-05	4.53041E-05	2350
2351	7.93037E-05	8.3985E-05	3.27284E-05	6.39703E-05	4.55648E-05	7.50166E-05	7.94263E-05	2.81018E-05	6.39703E-05	4.42838E-05	2351
2352	7.09998E-05	7.55619E-05	2.561E-05	5.91299E-05	4.51267E-05	6.8295E-05	7.25654E-05	2.28617E-05	5.91299E-05	4.38455E-05	2352
2353	6.22703E-05	6.66417E-05	1.87784E-05	5.37891E-05	4.49734E-05	6.10629E-05	6.51312E-05	1.77799E-05	5.37891E-05	4.37005E-05	2353
2354	6.04003E-05	6.48595E-05	1.6034E-05	5.34587E-05	4.55619E-05	5.99832E-05	6.41259E-05	1.5908E-05	5.34587E-05	4.43163E-05	2354
2355	6.14275E-05	6.60579E-05	1.53597E-05	5.56028E-05	4.73271E-05	6.16362E-05	6.59535E-05	1.57033E-05	5.56028E-05	4.61391E-05	2355
2356	6.6285E-05	7.13303E-05	1.60883E-05	6.12099E-05	5.08381E-05	6.7095E-05	7.1825E-05	1.6772E-05	6.12099E-05	4.97419E-05	2356
2357	7.27518E-05	7.82438E-05	1.81106E-05	6.69537E-05	5.44706E-05	7.35021E-05	7.86575E-05	1.86535E-05	6.69537E-05	5.34538E-05	2357
2358	7.73807E-05	8.30975E-05	2.05031E-05	6.99608E-05	5.52011E-05	7.75146E-05	8.28745E-05	2.04897E-05	6.99608E-05	5.41468E-05	2358
2359	7.64978E-05	8.18522E-05	2.3225E-05	6.92768E-05	0.000101334	7.64462E-05	8.15448E-05	2.22023E-05	6.92768E-05	9.27707E-05	2359
2360	7.20862E-05	7.69196E-05	2.39985E-05	6.64187E-05	0.000100007	7.23824E-05	7.70761E-05	2.24458E-05	6.64187E-05	9.13635E-05	2360
2361	6.96131E-05	7.41806E-05	2.41703E-05	6.31307E-05	0.000100677	6.93643E-05	7.37957E-05	2.22181E-05	6.31307E-05	9.20223E-05	2361
2362	6.89625E-05	7.3397E-05	2.48419E-05	6.1506E-05	0.000101038	6.81775E-05	7.24729E-05	2.24777E-05	6.1506E-05	9.23726E-05	2362
2363	6.86723E-05	7.30183E-05	2.54324E-05	6.05065E-05	0.000101331	6.75008E-05	7.17066E-05	2.27556E-05	6.05065E-05	9.26601E-05	2363
2364	6.68375E-05	7.10856E-05	2.45721E-05	5.89508E-05	9.4729E-05	6.57393E-05	6.98479E-05	2.20276E-05	5.89508E-05	8.73211E-05	2364
2365	6.52381E-05	6.9365E-05	2.41782E-05	5.73195E-05	9.443E-05	6.40512E-05	6.80411E-05	2.16021E-05	5.73195E-05	8.70131E-05	2365
2366	6.52376E-05	6.94466E-05	2.33616E-05	5.75208E-05	9.28217E-05	6.42072E-05	6.82639E-05	2.10471E-05	5.75208E-05	8.53653E-05	2366
2367	6.8659E-05	7.31775E-05	2.37037E-05	6.09034E-05	9.6971E-05	6.78103E-05	7.21559E-05	2.15767E-05	6.09034E-05	8.8187E-05	2367
2368	7.41799E-05	7.91015E-05	2.52145E-05	6.59578E-05	9.37018E-05	7.33655E-05	7.80945E-05	2.30535E-05	6.59578E-05	8.48521E-05	2368
2369	7.91948E-05	8.44647E-05	2.67632E-05	7.0136E-05	9.10321E-05	7.82112E-05	8.32643E-05	2.44501E-05	7.0136E-05	8.21355E-05	2369
2370	8.63392E-05	9.18162E-05	3.18467E-05	7.48324E-05	8.94573E-05	8.43175E-05	8.95828E-05	2.82992E-05	7.48324E-05	8.05395E-05	2370
2371	9.52353E-05	0.000100772	4.01528E-05	7.99299E-05	7.40967E-05	9.14242E-05	9.67851E-05	3.43892E-05	7.99299E-05	6.7689E-05	2371
2372	9.82381E-05	0.000103673	4.41638E-05	8.15344E-05	6.15062E-05	9.36739E-05	9.89729E-05	3.72973E-05	8.15344E-05	5.76938E-05	2372
2373	9.63297E-05	0.000101641	4.34897E-05	7.77203E-05	5.28841E-05	9.08322E-05	9.59362E-05	3.65298E-05	7.77203E-05	5.03033E-05	2373
2374	8.97196E-05	9.48091E-05	3.90828E-05	7.13837E-05	4.6569E-05	8.42593E-05	8.90727E-05	3.30489E-05	7.13837E-05	4.53041E-05	2374
2375	7.93037E-05	8.3985E-05	3.27284E-05	6.39703E-05	4.55648E-05	7.50166E-05	7.94263E-05	2.81018E-05	6.39703E-05	4.42838E-05	2375
2376	7.09998E-05	7.55619E-05	2.561E-05	5.91299E-05	4.51267E-05	6.8295E-05	7.25654E-05	2.28617E-05	5.91299E-05	4.38455E-05	2376
2377	6.1966E-05	6.63142E-05	1.87048E-05	5.33712E-05	4.49879E-05	6.06931E-05	6.47359E-05	1.7681E-05	5.33712E-05	4.37133E-05	2377
2378	6.01247E-05	6.45632E-05	1.5965E-05	5.30647E-05	4.55836E-05	5.96415E-05	6.3761E-05	1.5814E-05	5.30647E-05	4.43359E-05	2378
2379	6.12014E-05	6.5815E-05	1.53001E-05	5.52605E-05	4.73427E-05	6.13475E-05	6.56455E-05	1.56207E-05	5.52605E-05	4.61529E-05	2379
2380	6.60721E-05	7.11026E-05	1.60227E-05	6.08259E-05	5.08572E-05	6.67962E-05	7.15071E-05	1.66765E-05	6.08259E-05	4.97609E-05	2380
2381	7.26393E-05	7.81246E-05	1.80649E-05	6.66794E-05	5.45277E-05	7.33129E-05	7.84572E-05	1.85826E-05	6.66794E-05	5.35113E-05	2381
2382	7.72553E-05	8.29639E-05	2.04597E-05	6.97038E-05	5.529E-05	7.73251E-05	8.26733E-05	2.04246E-05	6.97038E-05	5.42362E-05	2382
2383	7.77995E-05	8.32839E-05	2.32342E-05	6.91862E-05	0.000101409	7.72048E-05	8.23753E-05	2.21952E-05	6.91862E-05	9.2846E-05	2383
2384	7.18234E-05	7.66364E-05	2.39379E-05	6.6077E-05	0.000100144	7.20715E-05	7.67435E-05	2.23659E-05	6.6077E-05	9.15012E-05	2384
2385	6.9313E-05	7.38573E-05	2.41008E-05	6.27386E-05	0.000100901	6.90083E-05	7.34149E-05	2.21263E-05	6.27386E-05	9.22477E-05	2385
2386	6.87308E-05	7.31475E-05	2.47879E-05	6.1201E-05	0.000101276	6.79017E-05	7.21779E-05	2.24062E-05	6.1201E-05	9.26115E-05	2386
2387	6.84474E-05	7.27761E-05	2.53804E-05	6.0213E-05	0.000101592	6.72344E-05	7.14215E-05	2.26869E-05	6.0213E-05	9.29225E-05	2387
2388	6.66734E-05	7.09093E-05	2.453E-05	5.87095E-05	9.48837E-05	6.5533E-05	6.96276E-05	2.19697E-05	5.87095E-05	8.74742E-05	2388
2389	6.50825E-05	6.9198E-05	2.4137E-05	5.70826E-05	9.45729E-05	6.38519E-05	6.78285E-05	2.15449E-05	5.70826E-05	8.7155E-05	2389
2390	6.51296E-05	6.93307E-05	2.33316E-05	5.73475E-05	9.29554E-05	6.40649E-05	6.81123E-05	2.10048E-05	5.73475E-05	8.54983E-05	2390
2391	6.84983E-05	7.30045E-05	2.3666E-05	6.06903E-05	9.70698E-05	6.76184E-05	7.19507E-05	2.15266E-05	6.06903E-05	8.82851E-05	2391
2392	7.40866E-05	7.90012E-05	2.51896E-05	6.58145E-05	9.37489E-05	7.32454E-05	7.79664E-05	2.30188E-05	6.58145E-05	8.48994E-05	2392
2393	7.92775E-05	8.45536E-05	2.67852E-05	7.02622E-05	9.10368E-05	7.83173E-05	8.33775E-05	2.44806E-05	7.02622E-05	8.21398E-05	2393
2394	8.6407E-05	9.18891E-05	3.18646E-05	7.49355E-05	8.94509E-05	8.44044E-05	8.96755E-05	2.83241E-05	7.49355E-05	8.05322E-05	2394
2395	9.52843E-05	0.000100825	4.0159E-05	7.9961E-05	7.40728E-05	9.14679E-05	9.68324E-05	3.43947E-05	7.9961E-05	6.76647E-05	2395
2396	9.82979E-05	0.000103739	4.4164E-05	8.1524E-05	6.15032E-05	9.3706E-05	9.90086E-05	3.72902E-05	8.1524E-05	5.76922E-05	2396
2397	9.48588E-05	0.000100028	4.34326E-05	7.75335E-05	5.28484E-05	8.98483E-05	9.48656E-05	3.6469E-05	7.75335E-05	5.02685E-05	2397
2398	8.97279E-05	9.48186E-05	3.90792E-05	7.1359E-05	4.65397E-05	8.42535E-05	8.90671E-05	3.30412E-05	7.1359E-05	4.52757E-05	2398
2399	7.93584E-05	8.40445E-05	3.27353E-05	6.40047E-05	4.55322E-05	7.50652E-05	7.94789E-05	2.81078E-05	6.40047E-05	4.42521E-05	2399
2400	7.10358E-05	7.56009E-05	2.56158E-05	5.91607E-05	4.50749E-05	6.83305E-05	7.26037E-05	2.2868E-05	5.91607E-05	4.37942E-05	2400
2401	6.1966E-05	6.63142E-05	1.87048E-05	5.33712E-05	4.49879E-05	6.06931E-05	6.47359E-05	1.7681E-05	5.33712E-05	4.37133E-05	2401
2402	6.01247E-05	6.45632E-05	1.5965E-05	5.30647E-05	4.55836E-05	5.96415E-05	6.3761E-05	1.5814E-05	5.30647E-05	4.43359E-05	2402
2403	6.12014E-05	6.5815E-05	1.53001E-05	5.52605E-05	4.73427E-05	6.13475E-05	6.56455E-05	1.56207E-05	5.52605E-05	4.61529E-05	2403
2404	6.60721E-05	7.11026E-05	1.60227E-05	6.08259E-05	5.08572E-05	6.67962E-05	7.15071E-05	1.66765E-05	6.08259E-05	4.97609E-05	2404
2405	7.26393E-05	7.81246E-05	1.80649E-05	6.66794E-05	5.45277E-05	7.33129E-05	7.84572E-05	1.85826E-05	6.66794E-05	5.35113E-05	2405
2406	7.72553E-05	8.29639E-05	2.04597E-05	6.97038E-05	5.529E-05	7.73251E-05	8.26733E-05	2.04246E-05	6.97038E-05	5.42362E-05	2406
2407	7.77995E-05	8.32839E-05	2.32342E-05	6.91862E-05	0.000101409	7.72048E-05	8.23753E-05	2.21952E-05	6.91862E-05	9.2846E-05	2407
2408	7.18234E-05	7.66364E-05	2.39379E-05	6.6077E-05	0.000100144	7.20715E-05	7.67435E-05	2.23659E-05	6.6077E-05	9.15012E-05	2408
2409	6.9313E-05	7.38573E-05	2.41008E-05	6.27386E-05	0.000100901	6.90083E-05	7.34149E-05	2.21263E-05	6.27386E-05	9.22477E-05	2409
2410	6.87308E-05	7.31475E-05	2.47879E-05	6.1201E-05	0.000101276	6.79017E-05	7.21779E-05	2.24062E-05	6.1201E-05	9.26115E-05	2410
2411	6.84474E-05	7.27761E-05	2.53804E-05	6.0213E-05	0.000101592	6.72344E-05	7.14215E-05	2.26869E-05	6.0213E-05	9.29225E-05	2411
2412	6.66734E-05	7.09093E-05	2.453E-05	5.87095E-05	9.48837E-05	6.5533E-05	6.96276E-05	2.19697E-05	5.87095E-05	8.74742E-05	2412
2413	6.50825E-05	6.9198E-05	2.4137E-05	5.70826E-05	9.45729E-05	6.38519E-05	6.78285E-05	2.15449E-05	5.70826E-05	8.7155E-05	2413
2414	6.51296E-05	6.93307E-05	2.33316E-05	5.73475E-05	9.29554E-05	6.40649E-05	6.81123E-05	2.10048E-05	5.73475E-05	8.54983E-05	2414
2415	6.84983E-05	7.30045E-05	2.3666E-05	6.06903E-05	9.70698E-05	6.76184E-05	7.19507E-05	2.15266E-05	6.06903E-05	8.82851E-05	2415
2416	7.40866E-05	7.90012E-05	2.51896E-05	6.58145E-05	9.37489E-05	7.32454E-05	7.79664E-05	2.30188E-05	6.58145E-05	8.48994E-05	2416
2417	7.92775E-05	8.45536E-05	2.67852E-05	7.02622E-05	9.10368E-05	7.83173E-05	8.33775E-05	2.44806E-05	7.02622E-05	8.21398E-05	2417
2418	8.6407E-05	9.18891E-05	3.18646E-05	7.49355E-05	8.94509E-05	8.44044E-05	8.96755E-05	2.83241E-05	7.49355E-05	8.05322E-05	2418
2419	9.52843E-05	0.000100825	4.0159E-05	7.9961E-05	7.40728E-05	9.14679E-05	9.68324E-05	3.43947E-05	7.9961E-05	6.76647E-05	2419
2420	9.82979E-05	0.000103739	4.4164E-05	8.1524E-05	6.15032E-05	9.3706E-05	9.90086E-05	3.72902E-05	8.1524E-05	5.76922E-05	2420
2421	9.48588E-05	0.000100028	4.34326E-05	7.75335E-05	5.28484E-05	8.98483E-05	9.48656E-05	3.6469E-05	7.75335E-05	5.02685E-05	2421
2422	8.97279E-05	9.48186E-05	3.90792E-05	7.1359E-05	4.65397E-05	8.42535E-05	8.90671E-05	3.30412E-05	7.1359E-05	4.52757E-05	2422
2423	7.93584E-05	8.40445E-05	3.27353E-05	6.40047E-05	4.55322E-05	7.50652E-05	7.94789E-05	2.81078E-05	6.40047E-05	4.42521E-05	2423

2424	7.10358E-05	7.56009E-05	2.56158E-05	5.91607E-05	4.50749E-05	6.83305E-05	7.26037E-05	2.2868E-05	5.91607E-05	4.37942E-05	**2424**
2425	6.22703E-05	6.66417E-05	1.87784E-05	5.37891E-05	4.49734E-05	6.10629E-05	6.51312E-05	1.77799E-05	5.37891E-05	4.37005E-05	**2425**
2426	6.04003E-05	6.48595E-05	1.6034E-05	5.34587E-05	4.55619E-05	5.99832E-05	6.41259E-05	1.5908E-05	5.34587E-05	4.43163E-05	**2426**
2427	6.14275E-05	6.60579E-05	1.53597E-05	5.56028E-05	4.73271E-05	6.16362E-05	6.59535E-05	1.57033E-05	5.56028E-05	4.61391E-05	**2427**
2428	6.6285E-05	7.13303E-05	1.60883E-05	6.12099E-05	5.08381E-05	6.7095E-05	7.1825E-05	1.6772E-05	6.12099E-05	4.97419E-05	**2428**
2429	7.27518E-05	7.82438E-05	1.81106E-05	6.69537E-05	5.44706E-05	7.35021E-05	7.86575E-05	1.86535E-05	6.69537E-05	5.34538E-05	**2429**
2430	7.73807E-05	8.30975E-05	2.05031E-05	6.99608E-05	5.52011E-05	7.75146E-05	8.28745E-05	2.04897E-05	6.99608E-05	5.41468E-05	**2430**
2431	7.64978E-05	8.18522E-05	2.3225E-05	6.92768E-05	0.000101334	7.64462E-05	8.15448E-05	2.22023E-05	6.92768E-05	9.27707E-05	**2431**
2432	7.20862E-05	7.69196E-05	2.39985E-05	6.64187E-05	0.000100007	7.23824E-05	7.70761E-05	2.24458E-05	6.64187E-05	9.13635E-05	**2432**
2433	6.96131E-05	7.41806E-05	2.41703E-05	6.31307E-05	0.000100677	6.93643E-05	7.37957E-05	2.22181E-05	6.31307E-05	9.20223E-05	**2433**
2434	6.89625E-05	7.3397E-05	2.48419E-05	6.1506E-05	0.000101038	6.81775E-05	7.24729E-05	2.24777E-05	6.1506E-05	9.23726E-05	**2434**
2435	6.86723E-05	7.30183E-05	2.54324E-05	6.05065E-05	0.000101331	6.75008E-05	7.17066E-05	2.27556E-05	6.05065E-05	9.26601E-05	**2435**
2436	6.68375E-05	7.10856E-05	2.45721E-05	5.89508E-05	9.4729E-05	6.57393E-05	6.98479E-05	2.20276E-05	5.89508E-05	8.73211E-05	**2436**
2437	6.52381E-05	6.9365E-05	2.41782E-05	5.73195E-05	9.443E-05	6.40512E-05	6.80411E-05	2.16021E-05	5.73195E-05	8.70131E-05	**2437**
2438	6.52376E-05	6.94466E-05	2.33616E-05	5.75208E-05	9.28217E-05	6.42072E-05	6.82639E-05	2.10471E-05	5.75208E-05	8.53653E-05	**2438**
2439	6.8659E-05	7.31775E-05	2.37037E-05	6.09034E-05	9.6971E-05	6.78103E-05	7.21559E-05	2.15767E-05	6.09034E-05	8.8187E-05	**2439**
2440	7.41799E-05	7.91015E-05	2.52145E-05	6.59578E-05	9.37018E-05	7.33655E-05	7.80945E-05	2.30535E-05	6.59578E-05	8.48521E-05	**2440**
2441	7.91948E-05	8.44647E-05	2.67632E-05	7.0136E-05	9.10321E-05	7.82112E-05	8.32643E-05	2.44501E-05	7.0136E-05	8.21355E-05	**2441**
2442	8.63392E-05	9.18162E-05	3.18467E-05	7.48324E-05	8.94573E-05	8.43175E-05	8.95828E-05	2.82992E-05	7.48324E-05	8.05395E-05	**2442**
2443	9.52353E-05	0.000100772	4.01528E-05	7.99299E-05	7.40967E-05	9.14242E-05	9.67851E-05	3.43892E-05	7.99299E-05	6.7689E-05	**2443**
2444	9.82381E-05	0.000103673	4.41638E-05	8.15344E-05	6.15062E-05	9.36739E-05	9.89729E-05	3.72973E-05	8.15344E-05	5.76938E-05	**2444**
2445	9.63297E-05	0.000101641	4.34897E-05	7.77203E-05	5.28841E-05	9.08322E-05	9.59362E-05	3.65298E-05	7.77203E-05	5.03033E-05	**2445**
2446	8.97196E-05	9.48091E-05	3.90828E-05	7.13837E-05	4.6569E-05	8.42593E-05	8.90727E-05	3.30489E-05	7.13837E-05	4.53041E-05	**2446**
2447	7.93037E-05	8.3985E-05	3.27284E-05	6.39703E-05	4.55648E-05	7.50166E-05	7.94263E-05	2.81018E-05	6.39703E-05	4.42838E-05	**2447**
2448	7.09998E-05	7.55619E-05	2.561E-05	5.91299E-05	4.51267E-05	6.8295E-05	7.25654E-05	2.28617E-05	5.91299E-05	4.38455E-05	**2448**
2449	6.22703E-05	6.66417E-05	1.87784E-05	5.37891E-05	4.49734E-05	6.10629E-05	6.51312E-05	1.77799E-05	5.37891E-05	4.37005E-05	**2449**
2450	6.04003E-05	6.48595E-05	1.6034E-05	5.34587E-05	4.55619E-05	5.99832E-05	6.41259E-05	1.5908E-05	5.34587E-05	4.43163E-05	**2450**
2451	6.14275E-05	6.60579E-05	1.53597E-05	5.56028E-05	4.73271E-05	6.16362E-05	6.59535E-05	1.57033E-05	5.56028E-05	4.61391E-05	**2451**
2452	6.6285E-05	7.13303E-05	1.60883E-05	6.12099E-05	5.08381E-05	6.7095E-05	7.1825E-05	1.6772E-05	6.12099E-05	4.97419E-05	**2452**
2453	7.27518E-05	7.82438E-05	1.81106E-05	6.69537E-05	5.44706E-05	7.35021E-05	7.86575E-05	1.86535E-05	6.69537E-05	5.34538E-05	**2453**
2454	7.73807E-05	8.30975E-05	2.05031E-05	6.99608E-05	5.52011E-05	7.75146E-05	8.28745E-05	2.04897E-05	6.99608E-05	5.41468E-05	**2454**
2455	7.64978E-05	8.18522E-05	2.3225E-05	6.92768E-05	0.000101334	7.64462E-05	8.15448E-05	2.22023E-05	6.92768E-05	9.27707E-05	**2455**
2456	7.20862E-05	7.69196E-05	2.39985E-05	6.64187E-05	0.000100007	7.23824E-05	7.70761E-05	2.24458E-05	6.64187E-05	9.13635E-05	**2456**
2457	6.96131E-05	7.41806E-05	2.41703E-05	6.31307E-05	0.000100677	6.93643E-05	7.37957E-05	2.22181E-05	6.31307E-05	9.20223E-05	**2457**
2458	6.89625E-05	7.3397E-05	2.48419E-05	6.1506E-05	0.000101038	6.81775E-05	7.24729E-05	2.24777E-05	6.1506E-05	9.23726E-05	**2458**
2459	6.86723E-05	7.30183E-05	2.54324E-05	6.05065E-05	0.000101331	6.75008E-05	7.17066E-05	2.27556E-05	6.05065E-05	9.26601E-05	**2459**
2460	6.68375E-05	7.10856E-05	2.45721E-05	5.89508E-05	9.4729E-05	6.57393E-05	6.98479E-05	2.20276E-05	5.89508E-05	8.73211E-05	**2460**
2461	6.52381E-05	6.9365E-05	2.41782E-05	5.73195E-05	9.443E-05	6.40512E-05	6.80411E-05	2.16021E-05	5.73195E-05	8.70131E-05	**2461**
2462	6.52376E-05	6.94466E-05	2.33616E-05	5.75208E-05	9.28217E-05	6.42072E-05	6.82639E-05	2.10471E-05	5.75208E-05	8.53653E-05	**2462**
2463	6.8659E-05	7.31775E-05	2.37037E-05	6.09034E-05	9.6971E-05	6.78103E-05	7.21559E-05	2.15767E-05	6.09034E-05	8.8187E-05	**2463**
2464	7.41799E-05	7.91015E-05	2.52145E-05	6.59578E-05	9.37018E-05	7.33655E-05	7.80945E-05	2.30535E-05	6.59578E-05	8.48521E-05	**2464**
2465	7.91948E-05	8.44647E-05	2.67632E-05	7.0136E-05	9.10321E-05	7.82112E-05	8.32643E-05	2.44501E-05	7.0136E-05	8.21355E-05	**2465**
2466	8.63392E-05	9.18162E-05	3.18467E-05	7.48324E-05	8.94573E-05	8.43175E-05	8.95828E-05	2.82992E-05	7.48324E-05	8.05395E-05	**2466**
2467	9.52353E-05	0.000100772	4.01528E-05	7.99299E-05	7.40967E-05	9.14242E-05	9.67851E-05	3.43892E-05	7.99299E-05	6.7689E-05	**2467**
2468	9.82381E-05	0.000103673	4.41638E-05	8.15344E-05	6.15062E-05	9.36739E-05	9.89729E-05	3.72973E-05	8.15344E-05	5.76938E-05	**2468**
2469	9.63297E-05	0.000101641	4.34897E-05	7.77203E-05	5.28841E-05	9.08322E-05	9.59362E-05	3.65298E-05	7.77203E-05	5.03033E-05	**2469**
2470	8.97196E-05	9.48091E-05	3.90828E-05	7.13837E-05	4.6569E-05	8.42593E-05	8.90727E-05	3.30489E-05	7.13837E-05	4.53041E-05	**2470**
2471	7.93037E-05	8.3985E-05	3.27284E-05	6.39703E-05	4.55648E-05	7.50166E-05	7.94263E-05	2.81018E-05	6.39703E-05	4.42838E-05	**2471**
2472	7.09998E-05	7.55619E-05	2.561E-05	5.91299E-05	4.51267E-05	6.8295E-05	7.25654E-05	2.28617E-05	5.91299E-05	4.38455E-05	**2472**
2473	6.22703E-05	6.66417E-05	1.87784E-05	5.37891E-05	4.49734E-05	6.10629E-05	6.51312E-05	1.77799E-05	5.37891E-05	4.37005E-05	**2473**
2474	6.04003E-05	6.48595E-05	1.6034E-05	5.34587E-05	4.55619E-05	5.99832E-05	6.41259E-05	1.5908E-05	5.34587E-05	4.43163E-05	**2474**
2475	6.14275E-05	6.60579E-05	1.53597E-05	5.56028E-05	4.73271E-05	6.16362E-05	6.59535E-05	1.57033E-05	5.56028E-05	4.61391E-05	**2475**
2476	6.6285E-05	7.13303E-05	1.60883E-05	6.12099E-05	5.08381E-05	6.7095E-05	7.1825E-05	1.6772E-05	6.12099E-05	4.97419E-05	**2476**
2477	7.27518E-05	7.82438E-05	1.81106E-05	6.69537E-05	5.44706E-05	7.35021E-05	7.86575E-05	1.86535E-05	6.69537E-05	5.34538E-05	**2477**
2478	7.73807E-05	8.30975E-05	2.05031E-05	6.99608E-05	5.52011E-05	7.75146E-05	8.28745E-05	2.04897E-05	6.99608E-05	5.41468E-05	**2478**
2479	7.64978E-05	8.18522E-05	2.3225E-05	6.92768E-05	0.000101334	7.64462E-05	8.15448E-05	2.22023E-05	6.92768E-05	9.27707E-05	**2479**
2480	7.20862E-05	7.69196E-05	2.39985E-05	6.64187E-05	0.000100007	7.23824E-05	7.70761E-05	2.24458E-05	6.64187E-05	9.13635E-05	**2480**
2481	6.96131E-05	7.41806E-05	2.41703E-05	6.31307E-05	0.000100677	6.93643E-05	7.37957E-05	2.22181E-05	6.31307E-05	9.20223E-05	**2481**
2482	6.89625E-05	7.3397E-05	2.48419E-05	6.1506E-05	0.000101038	6.81775E-05	7.24729E-05	2.24777E-05	6.1506E-05	9.23726E-05	**2482**
2483	6.86723E-05	7.30183E-05	2.54324E-05	6.05065E-05	0.000101331	6.75008E-05	7.17066E-05	2.27556E-05	6.05065E-05	9.26601E-05	**2483**
2484	6.68375E-05	7.10856E-05	2.45721E-05	5.89508E-05	9.4729E-05	6.57393E-05	6.98479E-05	2.20276E-05	5.89508E-05	8.73211E-05	**2484**
2485	6.52381E-05	6.9365E-05	2.41782E-05	5.73195E-05	9.443E-05	6.40512E-05	6.80411E-05	2.16021E-05	5.73195E-05	8.70131E-05	**2485**
2486	6.52376E-05	6.94466E-05	2.33616E-05	5.75208E-05	9.28217E-05	6.42072E-05	6.82639E-05	2.10471E-05	5.75208E-05	8.53653E-05	**2486**
2487	6.8659E-05	7.31775E-05	2.37037E-05	6.09034E-05	9.6971E-05	6.78103E-05	7.21559E-05	2.15767E-05	6.09034E-05	8.8187E-05	**2487**
2488	7.41799E-05	7.91015E-05	2.52145E-05	6.59578E-05	9.37018E-05	7.33655E-05	7.80945E-05	2.30535E-05	6.59578E-05	8.48521E-05	**2488**
2489	7.91948E-05	8.44647E-05	2.67632E-05	7.0136E-05	9.10321E-05	7.82112E-05	8.32643E-05	2.44501E-05	7.0136E-05	8.21355E-05	**2489**
2490	8.63392E-05	9.18162E-05	3.18467E-05	7.48324E-05	8.94573E-05	8.43175E-05	8.95828E-05	2.82992E-05	7.48324E-05	8.05395E-05	**2490**
2491	9.52353E-05	0.000100772	4.01528E-05	7.99299E-05	7.40967E-05	9.14242E-05	9.67851E-05	3.43892E-05	7.99299E-05	6.7689E-05	**2491**
2492	9.82381E-05	0.000103673	4.41638E-05	8.15344E-05	6.15062E-05	9.36739E-05	9.89729E-05	3.72973E-05	8.15344E-05	5.76938E-05	**2492**
2493	9.63297E-05	0.000101641	4.34897E-05	7.77203E-05	5.28841E-05	9.08322E-05	9.59362E-05	3.65298E-05	7.77203E-05	5.03033E-05	**2493**
2494	8.97196E-05	9.48091E-05	3.90828E-05	7.13837E-05	4.6569E-05	8.42593E-05	8.90727E-05	3.30489E-05	7.13837E-05	4.53041E-05	**2494**
2495	7.93037E-05	8.3985E-05	3.27284E-05	6.39703E-05	4.55648E-05	7.50166E-05	7.94263E-05	2.81018E-05	6.39703E-05	4.42838E-05	**2495**
2496	7.09998E-05	7.55619E-05	2.561E-05	5.91299E-05	4.51267E-05	6.8295E-05	7.25654E-05	2.28617E-05	5.91299E-05	4.38455E-05	**2496**
2497	6.22703E-05	6.66417E-05	1.87784E-05	5.37891E-05	4.49734E-05	6.10629E-05	6.51312E-05	1.77799E-05	5.37891E-05	4.37005E-05	**2497**
2498	6.04003E-05	6.48595E-05	1.6034E-05	5.34587E-05	4.55619E-05	5.99832E-05	6.41259E-05	1.5908E-05	5.34587E-05	4.43163E-05	**2498**
2499	6.14275E-05	6.60579E-05	1.53597E-05	5.56028E-05	4.73271E-05	6.16362E-05	6.59535E-05	1.57033E-05	5.56028E-05	4.61391E-05	**2499**

2500	6.6285E-05	7.13303E-05	1.60883E-05	6.12099E-05	5.08381E-05	6.7095E-05	7.1825E-05	1.6772E-05	6.12099E-05	4.97419E-05	2500
2501	7.27518E-05	7.82438E-05	1.81106E-05	6.69537E-05	5.44706E-05	7.35021E-05	7.86575E-05	1.86535E-05	6.69537E-05	5.34538E-05	2501
2502	7.73807E-05	8.30975E-05	2.05031E-05	6.99608E-05	5.52011E-05	7.75146E-05	8.28745E-05	2.04897E-05	6.99608E-05	5.41468E-05	2502
2503	7.64978E-05	8.18522E-05	2.3225E-05	6.92768E-05	0.000101334	7.64462E-05	8.15448E-05	2.22023E-05	6.92768E-05	9.27707E-05	2503
2504	7.20862E-05	7.69196E-05	2.39985E-05	6.64187E-05	0.000100007	7.23824E-05	7.70761E-05	2.24458E-05	6.64187E-05	9.13635E-05	2504
2505	6.96131E-05	7.41806E-05	2.41703E-05	6.31307E-05	0.000100677	6.93643E-05	7.37957E-05	2.22181E-05	6.31307E-05	9.20223E-05	2505
2506	6.89625E-05	7.3397E-05	2.48419E-05	6.1506E-05	0.000101038	6.81775E-05	7.24729E-05	2.24777E-05	6.1506E-05	9.23726E-05	2506
2507	6.86723E-05	7.30183E-05	2.54324E-05	6.05065E-05	0.000101331	6.75008E-05	7.17066E-05	2.27556E-05	6.05065E-05	9.26601E-05	2507
2508	6.68375E-05	7.10856E-05	2.45721E-05	5.89508E-05	9.4729E-05	6.57393E-05	6.98479E-05	2.20276E-05	5.89508E-05	8.73211E-05	2508
2509	6.52381E-05	6.9365E-05	2.41782E-05	5.73195E-05	9.443E-05	6.40512E-05	6.80411E-05	2.16021E-05	5.73195E-05	8.70131E-05	2509
2510	6.52376E-05	6.94466E-05	2.33616E-05	5.75208E-05	9.28217E-05	6.42072E-05	6.82639E-05	2.10471E-05	5.75208E-05	8.53653E-05	2510
2511	6.8659E-05	7.31775E-05	2.37037E-05	6.09034E-05	9.6971E-05	6.78103E-05	7.21559E-05	2.15767E-05	6.09034E-05	8.8187E-05	2511
2512	7.41799E-05	7.91015E-05	2.52145E-05	6.59578E-05	9.37018E-05	7.33655E-05	7.80945E-05	2.30535E-05	6.59578E-05	8.48521E-05	2512
2513	7.91948E-05	8.44647E-05	2.67632E-05	7.0136E-05	9.10321E-05	7.82112E-05	8.32643E-05	2.44501E-05	7.0136E-05	8.21355E-05	2513
2514	8.63392E-05	9.18162E-05	3.18467E-05	7.48324E-05	8.94573E-05	8.43175E-05	8.95828E-05	2.82992E-05	7.48324E-05	8.05395E-05	2514
2515	9.52353E-05	0.000100772	4.01528E-05	7.99299E-05	7.40967E-05	9.14242E-05	9.67851E-05	3.43892E-05	7.99299E-05	6.7689E-05	2515
2516	9.82381E-05	0.000103673	4.41638E-05	8.15344E-05	6.15062E-05	9.36739E-05	9.89729E-05	3.72973E-05	8.15344E-05	5.76938E-05	2516
2517	9.63297E-05	0.000101641	4.34897E-05	7.77203E-05	5.28841E-05	9.08322E-05	9.59362E-05	3.65298E-05	7.77203E-05	5.03033E-05	2517
2518	8.97196E-05	9.48091E-05	3.90828E-05	7.13837E-05	4.6569E-05	8.42593E-05	8.90727E-05	3.30489E-05	7.13837E-05	4.53041E-05	2518
2519	7.93037E-05	8.3985E-05	3.27284E-05	6.39703E-05	4.55648E-05	7.50166E-05	7.94263E-05	2.81018E-05	6.39703E-05	4.42838E-05	2519
2520	7.09998E-05	7.55619E-05	2.561E-05	5.91299E-05	4.51267E-05	6.8295E-05	7.25654E-05	2.28617E-05	5.91299E-05	4.38455E-05	2520
2521	6.22703E-05	6.66417E-05	1.87784E-05	5.37891E-05	4.49734E-05	6.10629E-05	6.51312E-05	1.77799E-05	5.37891E-05	4.37005E-05	2521
2522	6.04003E-05	6.48595E-05	1.6034E-05	5.34587E-05	4.55619E-05	5.99832E-05	6.41259E-05	1.5908E-05	5.34587E-05	4.43163E-05	2522
2523	6.14275E-05	6.60579E-05	1.53597E-05	5.56028E-05	4.73271E-05	6.16362E-05	6.59535E-05	1.57033E-05	5.56028E-05	4.61391E-05	2523
2524	6.6285E-05	7.13303E-05	1.60883E-05	6.12099E-05	5.08381E-05	6.7095E-05	7.1825E-05	1.6772E-05	6.12099E-05	4.97419E-05	2524
2525	7.27518E-05	7.82438E-05	1.81106E-05	6.69537E-05	5.44706E-05	7.35021E-05	7.86575E-05	1.86535E-05	6.69537E-05	5.34538E-05	2525
2526	7.73807E-05	8.30975E-05	2.05031E-05	6.99608E-05	5.52011E-05	7.75146E-05	8.28745E-05	2.04897E-05	6.99608E-05	5.41468E-05	2526
2527	7.64978E-05	8.18522E-05	2.3225E-05	6.92768E-05	0.000101334	7.64462E-05	8.15448E-05	2.22023E-05	6.92768E-05	9.27707E-05	2527
2528	7.20862E-05	7.69196E-05	2.39985E-05	6.64187E-05	0.000100007	7.23824E-05	7.70761E-05	2.24458E-05	6.64187E-05	9.13635E-05	2528
2529	6.96131E-05	7.41806E-05	2.41703E-05	6.31307E-05	0.000100677	6.93643E-05	7.37957E-05	2.22181E-05	6.31307E-05	9.20223E-05	2529
2530	6.89625E-05	7.3397E-05	2.48419E-05	6.1506E-05	0.000101038	6.81775E-05	7.24729E-05	2.24777E-05	6.1506E-05	9.23726E-05	2530
2531	6.86723E-05	7.30183E-05	2.54324E-05	6.05065E-05	0.000101331	6.75008E-05	7.17066E-05	2.27556E-05	6.05065E-05	9.26601E-05	2531
2532	6.68375E-05	7.10856E-05	2.45721E-05	5.89508E-05	9.4729E-05	6.57393E-05	6.98479E-05	2.20276E-05	5.89508E-05	8.73211E-05	2532
2533	6.52381E-05	6.9365E-05	2.41782E-05	5.73195E-05	9.443E-05	6.40512E-05	6.80411E-05	2.16021E-05	5.73195E-05	8.70131E-05	2533
2534	6.52376E-05	6.94466E-05	2.33616E-05	5.75208E-05	9.28217E-05	6.42072E-05	6.82639E-05	2.10471E-05	5.75208E-05	8.53653E-05	2534
2535	6.8659E-05	7.31775E-05	2.37037E-05	6.09034E-05	9.6971E-05	6.78103E-05	7.21559E-05	2.15767E-05	6.09034E-05	8.8187E-05	2535
2536	7.41799E-05	7.91015E-05	2.52145E-05	6.59578E-05	9.37018E-05	7.33655E-05	7.80945E-05	2.30535E-05	6.59578E-05	8.48521E-05	2536
2537	7.91948E-05	8.44647E-05	2.67632E-05	7.0136E-05	9.10321E-05	7.82112E-05	8.32643E-05	2.44501E-05	7.0136E-05	8.21355E-05	2537
2538	8.63392E-05	9.18162E-05	3.18467E-05	7.48324E-05	8.94573E-05	8.43175E-05	8.95828E-05	2.82992E-05	7.48324E-05	8.05395E-05	2538
2539	9.52353E-05	0.000100772	4.01528E-05	7.99299E-05	7.40967E-05	9.14242E-05	9.67851E-05	3.43892E-05	7.99299E-05	6.7689E-05	2539
2540	9.82381E-05	0.000103673	4.41638E-05	8.15344E-05	6.15062E-05	9.36739E-05	9.89729E-05	3.72973E-05	8.15344E-05	5.76938E-05	2540
2541	9.63297E-05	0.000101641	4.34897E-05	7.77203E-05	5.28841E-05	9.08322E-05	9.59362E-05	3.65298E-05	7.77203E-05	5.03033E-05	2541
2542	8.97196E-05	9.48091E-05	3.90828E-05	7.13837E-05	4.6569E-05	8.42593E-05	8.90727E-05	3.30489E-05	7.13837E-05	4.53041E-05	2542
2543	7.93037E-05	8.3985E-05	3.27284E-05	6.39703E-05	4.55648E-05	7.50166E-05	7.94263E-05	2.81018E-05	6.39703E-05	4.42838E-05	2543
2544	7.09998E-05	7.55619E-05	2.561E-05	5.91299E-05	4.51267E-05	6.8295E-05	7.25654E-05	2.28617E-05	5.91299E-05	4.38455E-05	2544
2545	6.1966E-05	6.63142E-05	1.87048E-05	5.33712E-05	4.49879E-05	6.06931E-05	6.47359E-05	1.7681E-05	5.33712E-05	4.37133E-05	2545
2546	6.01247E-05	6.45632E-05	1.5965E-05	5.30647E-05	4.55836E-05	5.96415E-05	6.3761E-05	1.5814E-05	5.30647E-05	4.43359E-05	2546
2547	6.12014E-05	6.5815E-05	1.53001E-05	5.52605E-05	4.73427E-05	6.13475E-05	6.56455E-05	1.56207E-05	5.52605E-05	4.61529E-05	2547
2548	6.60721E-05	7.11026E-05	1.60227E-05	6.08259E-05	5.08572E-05	6.67962E-05	7.15071E-05	1.66765E-05	6.08259E-05	4.97609E-05	2548
2549	7.26393E-05	7.81246E-05	1.80649E-05	6.66794E-05	5.45277E-05	7.33129E-05	7.84572E-05	1.85826E-05	6.66794E-05	5.35113E-05	2549
2550	7.72553E-05	8.29639E-05	2.04597E-05	6.97038E-05	5.529E-05	7.73251E-05	8.26733E-05	2.04246E-05	6.97038E-05	5.42362E-05	2550
2551	7.77995E-05	8.32839E-05	2.32342E-05	6.91862E-05	0.000101409	7.72048E-05	8.23753E-05	2.21952E-05	6.91862E-05	9.2846E-05	2551
2552	7.18234E-05	7.66364E-05	2.39379E-05	6.6077E-05	0.000100144	7.20715E-05	7.67435E-05	2.23659E-05	6.6077E-05	9.15012E-05	2552
2553	6.9313E-05	7.38573E-05	2.41008E-05	6.27386E-05	0.000100901	6.90083E-05	7.34149E-05	2.21263E-05	6.27386E-05	9.22477E-05	2553
2554	6.87308E-05	7.31475E-05	2.47879E-05	6.1201E-05	0.000101276	6.79017E-05	7.21779E-05	2.24062E-05	6.1201E-05	9.26115E-05	2554
2555	6.84474E-05	7.27761E-05	2.53804E-05	6.0213E-05	0.000101592	6.72344E-05	7.14215E-05	2.26869E-05	6.0213E-05	9.29225E-05	2555
2556	6.66734E-05	7.09093E-05	2.453E-05	5.87095E-05	9.48837E-05	6.5533E-05	6.96276E-05	2.19697E-05	5.87095E-05	8.74742E-05	2556
2557	6.50825E-05	6.9198E-05	2.4137E-05	5.70826E-05	9.45729E-05	6.38519E-05	6.78285E-05	2.15449E-05	5.70826E-05	8.7155E-05	2557
2558	6.51296E-05	6.93307E-05	2.33316E-05	5.73475E-05	9.29554E-05	6.40649E-05	6.81123E-05	2.10048E-05	5.73475E-05	8.54983E-05	2558
2559	6.84983E-05	7.30045E-05	2.3666E-05	6.06903E-05	9.70698E-05	6.76184E-05	7.19507E-05	2.15266E-05	6.06903E-05	8.82851E-05	2559
2560	7.40866E-05	7.90012E-05	2.51896E-05	6.58145E-05	9.37489E-05	7.32454E-05	7.79664E-05	2.30188E-05	6.58145E-05	8.48994E-05	2560
2561	7.92775E-05	8.45536E-05	2.67852E-05	7.02622E-05	9.10368E-05	7.83173E-05	8.33775E-05	2.44806E-05	7.02622E-05	8.21398E-05	2561
2562	8.6407E-05	9.18891E-05	3.18646E-05	7.49355E-05	8.94509E-05	8.44044E-05	8.96755E-05	2.83241E-05	7.49355E-05	8.05322E-05	2562
2563	9.52843E-05	0.000100825	4.0159E-05	7.9961E-05	7.40728E-05	9.14679E-05	9.68324E-05	3.43947E-05	7.9961E-05	6.76647E-05	2563
2564	9.82979E-05	0.000103739	4.4164E-05	8.1524E-05	6.15032E-05	9.3706E-05	9.90086E-05	3.72902E-05	8.1524E-05	5.76922E-05	2564
2565	9.48588E-05	0.000100028	4.34326E-05	7.75335E-05	5.28484E-05	8.98483E-05	9.48656E-05	3.6469E-05	7.75335E-05	5.02685E-05	2565
2566	8.97279E-05	9.48186E-05	3.90792E-05	7.1359E-05	4.65397E-05	8.42535E-05	8.90671E-05	3.30412E-05	7.1359E-05	4.52757E-05	2566
2567	7.93584E-05	8.40445E-05	3.27353E-05	6.40047E-05	4.55322E-05	7.50652E-05	7.94789E-05	2.81078E-05	6.40047E-05	4.42521E-05	2567
2568	7.10358E-05	7.56009E-05	2.56158E-05	5.91607E-05	4.50749E-05	6.83305E-05	7.26037E-05	2.2868E-05	5.91607E-05	4.37942E-05	2568
2569	6.1966E-05	6.63142E-05	1.87048E-05	5.33712E-05	4.49879E-05	6.06931E-05	6.47359E-05	1.7681E-05	5.33712E-05	4.37133E-05	2569
2570	6.01247E-05	6.45632E-05	1.5965E-05	5.30647E-05	4.55836E-05	5.96415E-05	6.3761E-05	1.5814E-05	5.30647E-05	4.43359E-05	2570
2571	6.12014E-05	6.5815E-05	1.53001E-05	5.52605E-05	4.73427E-05	6.13475E-05	6.56455E-05	1.56207E-05	5.52605E-05	4.61529E-05	2571
2572	6.60721E-05	7.11026E-05	1.60227E-05	6.08259E-05	5.08572E-05	6.67962E-05	7.15071E-05	1.66765E-05	6.08259E-05	4.97609E-05	2572
2573	7.26393E-05	7.81246E-05	1.80649E-05	6.66794E-05	5.45277E-05	7.33129E-05	7.84572E-05	1.85826E-05	6.66794E-05	5.35113E-05	2573
2574	7.72553E-05	8.29639E-05	2.04597E-05	6.97038E-05	5.529E-05	7.73251E-05	8.26733E-05	2.04246E-05	6.97038E-05	5.42362E-05	2574
2575	7.77995E-05	8.32839E-05	2.32342E-05	6.91862E-05	0.000101409	7.72048E-05	8.23753E-05	2.21952E-05	6.91862E-05	9.2846E-05	2575

2576	7.18234E-05	7.66364E-05	2.39379E-05	6.6077E-05	0.000100144	7.20715E-05	7.67435E-05	2.23659E-05	6.6077E-05	9.15012E-05	2576
2577	6.9313E-05	7.38573E-05	2.41008E-05	6.27386E-05	0.000100901	6.90083E-05	7.34149E-05	2.21263E-05	6.27386E-05	9.22477E-05	2577
2578	6.87308E-05	7.31475E-05	2.47879E-05	6.1201E-05	0.000101276	6.79017E-05	7.21779E-05	2.24062E-05	6.1201E-05	9.26115E-05	2578
2579	6.84474E-05	7.27761E-05	2.53804E-05	6.0213E-05	0.000101592	6.72344E-05	7.14215E-05	2.26869E-05	6.0213E-05	9.29225E-05	2579
2580	6.66734E-05	7.09093E-05	2.453E-05	5.87095E-05	9.48837E-05	6.5533E-05	6.96276E-05	2.19697E-05	5.87095E-05	8.74742E-05	2580
2581	6.50825E-05	6.9198E-05	2.4137E-05	5.70826E-05	9.45729E-05	6.38519E-05	6.78285E-05	2.15449E-05	5.70826E-05	8.7155E-05	2581
2582	6.51296E-05	6.93307E-05	2.33316E-05	5.73475E-05	9.29554E-05	6.40649E-05	6.81123E-05	2.10048E-05	5.73475E-05	8.54983E-05	2582
2583	6.84983E-05	7.30045E-05	2.3666E-05	6.06903E-05	9.70698E-05	6.76184E-05	7.19507E-05	2.15266E-05	6.06903E-05	8.82851E-05	2583
2584	7.40866E-05	7.90012E-05	2.51896E-05	6.58145E-05	9.37489E-05	7.32454E-05	7.79664E-05	2.30188E-05	6.58145E-05	8.48994E-05	2584
2585	7.92775E-05	8.45536E-05	2.67852E-05	7.02622E-05	9.10368E-05	7.83173E-05	8.33775E-05	2.44806E-05	7.02622E-05	8.21398E-05	2585
2586	8.6407E-05	9.18891E-05	3.18646E-05	7.49355E-05	8.94509E-05	8.44044E-05	8.96755E-05	2.83241E-05	7.49355E-05	8.05322E-05	2586
2587	9.52843E-05	0.000100825	4.0159E-05	7.9961E-05	7.40728E-05	9.14679E-05	9.68324E-05	3.43947E-05	7.9961E-05	6.76647E-05	2587
2588	9.82979E-05	0.000103739	4.4164E-05	8.1524E-05	6.15032E-05	9.3706E-05	9.90086E-05	3.72902E-05	8.1524E-05	5.76922E-05	2588
2589	9.48588E-05	0.000100028	4.34326E-05	7.75335E-05	5.28484E-05	8.98483E-05	9.48656E-05	3.6469E-05	7.75335E-05	5.02685E-05	2589
2590	8.97279E-05	9.48186E-05	3.90792E-05	7.1359E-05	4.65397E-05	8.42535E-05	8.90671E-05	3.30412E-05	7.1359E-05	4.52757E-05	2590
2591	7.93584E-05	8.40445E-05	3.27353E-05	6.40047E-05	4.55322E-05	7.50652E-05	7.94789E-05	2.81078E-05	6.40047E-05	4.42521E-05	2591
2592	7.10358E-05	7.56009E-05	2.56158E-05	5.91607E-05	4.50749E-05	6.83305E-05	7.26037E-05	2.2868E-05	5.91607E-05	4.37942E-05	2592
2593	6.22703E-05	6.66417E-05	1.87784E-05	5.37891E-05	4.49734E-05	6.10629E-05	6.51312E-05	1.77799E-05	5.37891E-05	4.37005E-05	2593
2594	6.04003E-05	6.48595E-05	1.6034E-05	5.34587E-05	4.55619E-05	5.99832E-05	6.41259E-05	1.5908E-05	5.34587E-05	4.43163E-05	2594
2595	6.14275E-05	6.60579E-05	1.53597E-05	5.56028E-05	4.73271E-05	6.16362E-05	6.59535E-05	1.57033E-05	5.56028E-05	4.61391E-05	2595
2596	6.6285E-05	7.13303E-05	1.60883E-05	6.12099E-05	5.08381E-05	6.7095E-05	7.1825E-05	1.6772E-05	6.12099E-05	4.97419E-05	2596
2597	7.27518E-05	7.82438E-05	1.81106E-05	6.69537E-05	5.44706E-05	7.35021E-05	7.86575E-05	1.86535E-05	6.69537E-05	5.34538E-05	2597
2598	7.73807E-05	8.30975E-05	2.05031E-05	6.99608E-05	5.52011E-05	7.75146E-05	8.28745E-05	2.04897E-05	6.99608E-05	5.41468E-05	2598
2599	7.64978E-05	8.18522E-05	2.3225E-05	6.92768E-05	0.000101334	7.64462E-05	8.15448E-05	2.22023E-05	6.92768E-05	9.27707E-05	2599
2600	7.20862E-05	7.69196E-05	2.39985E-05	6.64187E-05	0.000100007	7.23824E-05	7.70761E-05	2.24458E-05	6.64187E-05	9.13635E-05	2600
2601	6.96131E-05	7.41806E-05	2.41703E-05	6.31307E-05	0.000100677	6.93643E-05	7.37957E-05	2.22181E-05	6.31307E-05	9.20223E-05	2601
2602	6.89625E-05	7.3397E-05	2.48419E-05	6.1506E-05	0.000101038	6.81775E-05	7.24729E-05	2.24777E-05	6.1506E-05	9.23726E-05	2602
2603	6.86723E-05	7.30183E-05	2.54324E-05	6.05065E-05	0.000101331	6.75008E-05	7.17066E-05	2.27556E-05	6.05065E-05	9.26601E-05	2603
2604	6.68375E-05	7.10856E-05	2.45721E-05	5.89508E-05	9.4729E-05	6.57393E-05	6.98479E-05	2.20276E-05	5.89508E-05	8.73211E-05	2604
2605	6.52381E-05	6.9365E-05	2.41782E-05	5.73195E-05	9.443E-05	6.40512E-05	6.80411E-05	2.16021E-05	5.73195E-05	8.70131E-05	2605
2606	6.52376E-05	6.94466E-05	2.33616E-05	5.75208E-05	9.28217E-05	6.42072E-05	6.82639E-05	2.10471E-05	5.75208E-05	8.53653E-05	2606
2607	6.8659E-05	7.31775E-05	2.37037E-05	6.09034E-05	9.6971E-05	6.78103E-05	7.21559E-05	2.15767E-05	6.09034E-05	8.8187E-05	2607
2608	7.41799E-05	7.91015E-05	2.52145E-05	6.59578E-05	9.37018E-05	7.33655E-05	7.80945E-05	2.30535E-05	6.59578E-05	8.48521E-05	2608
2609	7.91948E-05	8.44647E-05	2.67632E-05	7.0136E-05	9.10321E-05	7.82112E-05	8.32643E-05	2.44501E-05	7.0136E-05	8.21355E-05	2609
2610	8.63392E-05	9.18162E-05	3.18467E-05	7.48324E-05	8.94573E-05	8.43175E-05	8.95828E-05	2.82992E-05	7.48324E-05	8.05395E-05	2610
2611	9.52353E-05	0.000100772	4.01528E-05	7.99299E-05	7.40967E-05	9.14242E-05	9.67851E-05	3.43892E-05	7.99299E-05	6.7689E-05	2611
2612	9.82381E-05	0.000103673	4.41638E-05	8.15344E-05	6.15062E-05	9.36739E-05	9.89729E-05	3.72973E-05	8.15344E-05	5.76938E-05	2612
2613	9.63297E-05	0.000101641	4.34897E-05	7.77203E-05	5.28841E-05	9.08322E-05	9.59362E-05	3.65298E-05	7.77203E-05	5.03033E-05	2613
2614	8.97196E-05	9.48091E-05	3.90828E-05	7.13837E-05	4.6569E-05	8.42593E-05	8.90727E-05	3.30489E-05	7.13837E-05	4.53041E-05	2614
2615	7.93037E-05	8.3985E-05	3.27284E-05	6.39703E-05	4.55648E-05	7.50166E-05	7.94263E-05	2.81018E-05	6.39703E-05	4.42838E-05	2615
2616	7.09998E-05	7.55619E-05	2.561E-05	5.91299E-05	4.51267E-05	6.8295E-05	7.25654E-05	2.28617E-05	5.91299E-05	4.38455E-05	2616
2617	6.22703E-05	6.66417E-05	1.87784E-05	5.37891E-05	4.49734E-05	6.10629E-05	6.51312E-05	1.77799E-05	5.37891E-05	4.37005E-05	2617
2618	6.04003E-05	6.48595E-05	1.6034E-05	5.34587E-05	4.55619E-05	5.99832E-05	6.41259E-05	1.5908E-05	5.34587E-05	4.43163E-05	2618
2619	6.14275E-05	6.60579E-05	1.53597E-05	5.56028E-05	4.73271E-05	6.16362E-05	6.59535E-05	1.57033E-05	5.56028E-05	4.61391E-05	2619
2620	6.6285E-05	7.13303E-05	1.60883E-05	6.12099E-05	5.08381E-05	6.7095E-05	7.1825E-05	1.6772E-05	6.12099E-05	4.97419E-05	2620
2621	7.27518E-05	7.82438E-05	1.81106E-05	6.69537E-05	5.44706E-05	7.35021E-05	7.86575E-05	1.86535E-05	6.69537E-05	5.34538E-05	2621
2622	7.73807E-05	8.30975E-05	2.05031E-05	6.99608E-05	5.52011E-05	7.75146E-05	8.28745E-05	2.04897E-05	6.99608E-05	5.41468E-05	2622
2623	7.64978E-05	8.18522E-05	2.3225E-05	6.92768E-05	0.000101334	7.64462E-05	8.15448E-05	2.22023E-05	6.92768E-05	9.27707E-05	2623
2624	7.20862E-05	7.69196E-05	2.39985E-05	6.64187E-05	0.000100007	7.23824E-05	7.70761E-05	2.24458E-05	6.64187E-05	9.13635E-05	2624
2625	6.96131E-05	7.41806E-05	2.41703E-05	6.31307E-05	0.000100677	6.93643E-05	7.37957E-05	2.22181E-05	6.31307E-05	9.20223E-05	2625
2626	6.89625E-05	7.3397E-05	2.48419E-05	6.1506E-05	0.000101038	6.81775E-05	7.24729E-05	2.24777E-05	6.1506E-05	9.23726E-05	2626
2627	6.86723E-05	7.30183E-05	2.54324E-05	6.05065E-05	0.000101331	6.75008E-05	7.17066E-05	2.27556E-05	6.05065E-05	9.26601E-05	2627
2628	6.68375E-05	7.10856E-05	2.45721E-05	5.89508E-05	9.4729E-05	6.57393E-05	6.98479E-05	2.20276E-05	5.89508E-05	8.73211E-05	2628
2629	6.52381E-05	6.9365E-05	2.41782E-05	5.73195E-05	9.443E-05	6.40512E-05	6.80411E-05	2.16021E-05	5.73195E-05	8.70131E-05	2629
2630	6.52376E-05	6.94466E-05	2.33616E-05	5.75208E-05	9.28217E-05	6.42072E-05	6.82639E-05	2.10471E-05	5.75208E-05	8.53653E-05	2630
2631	6.8659E-05	7.31775E-05	2.37037E-05	6.09034E-05	9.6971E-05	6.78103E-05	7.21559E-05	2.15767E-05	6.09034E-05	8.8187E-05	2631
2632	7.41799E-05	7.91015E-05	2.52145E-05	6.59578E-05	9.37018E-05	7.33655E-05	7.80945E-05	2.30535E-05	6.59578E-05	8.48521E-05	2632
2633	7.91948E-05	8.44647E-05	2.67632E-05	7.0136E-05	9.10321E-05	7.82112E-05	8.32643E-05	2.44501E-05	7.0136E-05	8.21355E-05	2633
2634	8.63392E-05	9.18162E-05	3.18467E-05	7.48324E-05	8.94573E-05	8.43175E-05	8.95828E-05	2.82992E-05	7.48324E-05	8.05395E-05	2634
2635	9.52353E-05	0.000100772	4.01528E-05	7.99299E-05	7.40967E-05	9.14242E-05	9.67851E-05	3.43892E-05	7.99299E-05	6.7689E-05	2635
2636	9.82381E-05	0.000103673	4.41638E-05	8.15344E-05	6.15062E-05	9.36739E-05	9.89729E-05	3.72973E-05	8.15344E-05	5.76938E-05	2636
2637	9.63297E-05	0.000101641	4.34897E-05	7.77203E-05	5.28841E-05	9.08322E-05	9.59362E-05	3.65298E-05	7.77203E-05	5.03033E-05	2637
2638	8.97196E-05	9.48091E-05	3.90828E-05	7.13837E-05	4.6569E-05	8.42593E-05	8.90727E-05	3.30489E-05	7.13837E-05	4.53041E-05	2638
2639	7.93037E-05	8.3985E-05	3.27284E-05	6.39703E-05	4.55648E-05	7.50166E-05	7.94263E-05	2.81018E-05	6.39703E-05	4.42838E-05	2639
2640	7.09998E-05	7.55619E-05	2.561E-05	5.91299E-05	4.51267E-05	6.8295E-05	7.25654E-05	2.28617E-05	5.91299E-05	4.38455E-05	2640
2641	6.22703E-05	6.66417E-05	1.87784E-05	5.37891E-05	4.49734E-05	6.10629E-05	6.51312E-05	1.77799E-05	5.37891E-05	4.37005E-05	2641
2642	6.04003E-05	6.48595E-05	1.6034E-05	5.34587E-05	4.55619E-05	5.99832E-05	6.41259E-05	1.5908E-05	5.34587E-05	4.43163E-05	2642
2643	6.14275E-05	6.60579E-05	1.53597E-05	5.56028E-05	4.73271E-05	6.16362E-05	6.59535E-05	1.57033E-05	5.56028E-05	4.61391E-05	2643
2644	6.6285E-05	7.13303E-05	1.60883E-05	6.12099E-05	5.08381E-05	6.7095E-05	7.1825E-05	1.6772E-05	6.12099E-05	4.97419E-05	2644
2645	7.27518E-05	7.82438E-05	1.81106E-05	6.69537E-05	5.44706E-05	7.35021E-05	7.86575E-05	1.86535E-05	6.69537E-05	5.34538E-05	2645
2646	7.73807E-05	8.30975E-05	2.05031E-05	6.99608E-05	5.52011E-05	7.75146E-05	8.28745E-05	2.04897E-05	6.99608E-05	5.41468E-05	2646
2647	7.64978E-05	8.18522E-05	2.3225E-05	6.92768E-05	0.000101334	7.64462E-05	8.15448E-05	2.22023E-05	6.92768E-05	9.27707E-05	2647
2648	7.20862E-05	7.69196E-05	2.39985E-05	6.64187E-05	0.000100007	7.23824E-05	7.70761E-05	2.24458E-05	6.64187E-05	9.13635E-05	2648
2649	6.96131E-05	7.41806E-05	2.41703E-05	6.31307E-05	0.000100677	6.93643E-05	7.37957E-05	2.22181E-05	6.31307E-05	9.20223E-05	2649
2650	6.89625E-05	7.3397E-05	2.48419E-05	6.1506E-05	0.000101038	6.81775E-05	7.24729E-05	2.24777E-05	6.1506E-05	9.23726E-05	2650
2651	6.86723E-05	7.30183E-05	2.54324E-05	6.05065E-05	0.000101331	6.75008E-05	7.17066E-05	2.27556E-05	6.05065E-05	9.26601E-05	2651

2652	6.68375E-05	7.10856E-05	2.45721E-05	5.89508E-05	9.4729E-05	6.57393E-05	6.98479E-05	2.20276E-05	5.89508E-05	8.73211E-05	**2652**
2653	6.52381E-05	6.9365E-05	2.41782E-05	5.73195E-05	9.443E-05	6.40512E-05	6.80411E-05	2.16021E-05	5.73195E-05	8.70131E-05	**2653**
2654	6.52376E-05	6.94466E-05	2.33616E-05	5.75208E-05	9.28217E-05	6.42072E-05	6.82639E-05	2.10471E-05	5.75208E-05	8.53653E-05	**2654**
2655	6.8659E-05	7.31775E-05	2.37037E-05	6.09034E-05	9.6971E-05	6.78103E-05	7.21559E-05	2.15767E-05	6.09034E-05	8.8187E-05	**2655**
2656	7.41799E-05	7.91015E-05	2.52145E-05	6.59578E-05	9.37018E-05	7.33655E-05	7.80945E-05	2.30535E-05	6.59578E-05	8.48521E-05	**2656**
2657	7.91948E-05	8.44647E-05	2.67632E-05	7.0136E-05	9.10321E-05	7.82112E-05	8.32643E-05	2.44501E-05	7.0136E-05	8.21355E-05	**2657**
2658	8.63392E-05	9.18162E-05	3.18467E-05	7.48324E-05	8.94573E-05	8.43175E-05	8.95828E-05	2.82992E-05	7.48324E-05	8.05395E-05	**2658**
2659	9.52353E-05	0.000100772	4.01528E-05	7.99299E-05	7.40967E-05	9.14242E-05	9.67851E-05	3.43892E-05	7.99299E-05	6.7689E-05	**2659**
2660	9.82381E-05	0.000103673	4.41638E-05	8.15344E-05	6.15062E-05	9.36739E-05	9.89729E-05	3.72973E-05	8.15344E-05	5.76938E-05	**2660**
2661	9.63297E-05	0.000101641	4.34897E-05	7.77203E-05	5.28841E-05	9.08322E-05	9.59362E-05	3.65298E-05	7.77203E-05	5.03033E-05	**2661**
2662	8.97196E-05	9.48091E-05	3.90828E-05	7.13837E-05	4.6569E-05	8.42593E-05	8.90727E-05	3.30489E-05	7.13837E-05	4.53041E-05	**2662**
2663	7.93037E-05	8.3985E-05	3.27284E-05	6.39703E-05	4.55648E-05	7.50166E-05	7.94263E-05	2.81018E-05	6.39703E-05	4.42838E-05	**2663**
2664	7.09998E-05	7.55619E-05	2.561E-05	5.91299E-05	4.51267E-05	6.8295E-05	7.25654E-05	2.28617E-05	5.91299E-05	4.38455E-05	**2664**
2665	6.22703E-05	6.66417E-05	1.87784E-05	5.37891E-05	4.49734E-05	6.10629E-05	6.51312E-05	1.77799E-05	5.37891E-05	4.37005E-05	**2665**
2666	6.04003E-05	6.48595E-05	1.6034E-05	5.34587E-05	4.55619E-05	5.99832E-05	6.41259E-05	1.5908E-05	5.34587E-05	4.43163E-05	**2666**
2667	6.14275E-05	6.60579E-05	1.53597E-05	5.56028E-05	4.73271E-05	6.16362E-05	6.59535E-05	1.57033E-05	5.56028E-05	4.61391E-05	**2667**
2668	6.6285E-05	7.13303E-05	1.60883E-05	6.12099E-05	5.08381E-05	6.7095E-05	7.1825E-05	1.6772E-05	6.12099E-05	4.97419E-05	**2668**
2669	7.27518E-05	7.82438E-05	1.81106E-05	6.69537E-05	5.44706E-05	7.35021E-05	7.86575E-05	1.86535E-05	6.69537E-05	5.34538E-05	**2669**
2670	7.73807E-05	8.30975E-05	2.05031E-05	6.99608E-05	5.52011E-05	7.75146E-05	8.28745E-05	2.04897E-05	6.99608E-05	5.41468E-05	**2670**
2671	7.64978E-05	8.18522E-05	2.3225E-05	6.92768E-05	0.000101334	7.64462E-05	8.15448E-05	2.22023E-05	6.92768E-05	9.27707E-05	**2671**
2672	7.20862E-05	7.69196E-05	2.39985E-05	6.64187E-05	0.000100007	7.23824E-05	7.70761E-05	2.24458E-05	6.64187E-05	9.13635E-05	**2672**
2673	6.96131E-05	7.41806E-05	2.41703E-05	6.31307E-05	0.000100677	6.93643E-05	7.37957E-05	2.22181E-05	6.31307E-05	9.20223E-05	**2673**
2674	6.89625E-05	7.3397E-05	2.48419E-05	6.1506E-05	0.000101038	6.81775E-05	7.24729E-05	2.24777E-05	6.1506E-05	9.23726E-05	**2674**
2675	6.86723E-05	7.30183E-05	2.54324E-05	6.05065E-05	0.000101331	6.75008E-05	7.17066E-05	2.27556E-05	6.05065E-05	9.26601E-05	**2675**
2676	6.68375E-05	7.10856E-05	2.45721E-05	5.89508E-05	9.4729E-05	6.57393E-05	6.98479E-05	2.20276E-05	5.89508E-05	8.73211E-05	**2676**
2677	6.52381E-05	6.9365E-05	2.41782E-05	5.73195E-05	9.443E-05	6.40512E-05	6.80411E-05	2.16021E-05	5.73195E-05	8.70131E-05	**2677**
2678	6.52376E-05	6.94466E-05	2.33616E-05	5.75208E-05	9.28217E-05	6.42072E-05	6.82639E-05	2.10471E-05	5.75208E-05	8.53653E-05	**2678**
2679	6.8659E-05	7.31775E-05	2.37037E-05	6.09034E-05	9.6971E-05	6.78103E-05	7.21559E-05	2.15767E-05	6.09034E-05	8.8187E-05	**2679**
2680	7.41799E-05	7.91015E-05	2.52145E-05	6.59578E-05	9.37018E-05	7.33655E-05	7.80945E-05	2.30535E-05	6.59578E-05	8.48521E-05	**2680**
2681	7.91948E-05	8.44647E-05	2.67632E-05	7.0136E-05	9.10321E-05	7.82112E-05	8.32643E-05	2.44501E-05	7.0136E-05	8.21355E-05	**2681**
2682	8.63392E-05	9.18162E-05	3.18467E-05	7.48324E-05	8.94573E-05	8.43175E-05	8.95828E-05	2.82992E-05	7.48324E-05	8.05395E-05	**2682**
2683	9.52353E-05	0.000100772	4.01528E-05	7.99299E-05	7.40967E-05	9.14242E-05	9.67851E-05	3.43892E-05	7.99299E-05	6.7689E-05	**2683**
2684	9.82381E-05	0.000103673	4.41638E-05	8.15344E-05	6.15062E-05	9.36739E-05	9.89729E-05	3.72973E-05	8.15344E-05	5.76938E-05	**2684**
2685	9.63297E-05	0.000101641	4.34897E-05	7.77203E-05	5.28841E-05	9.08322E-05	9.59362E-05	3.65298E-05	7.77203E-05	5.03033E-05	**2685**
2686	8.97196E-05	9.48091E-05	3.90828E-05	7.13837E-05	4.6569E-05	8.42593E-05	8.90727E-05	3.30489E-05	7.13837E-05	4.53041E-05	**2686**
2687	7.93037E-05	8.3985E-05	3.27284E-05	6.39703E-05	4.55648E-05	7.50166E-05	7.94263E-05	2.81018E-05	6.39703E-05	4.42838E-05	**2687**
2688	7.09998E-05	7.55619E-05	2.561E-05	5.91299E-05	4.51267E-05	6.8295E-05	7.25654E-05	2.28617E-05	5.91299E-05	4.38455E-05	**2688**
2689	6.22703E-05	6.66417E-05	1.87784E-05	5.37891E-05	4.49734E-05	6.10629E-05	6.51312E-05	1.77799E-05	5.37891E-05	4.37005E-05	**2689**
2690	6.04003E-05	6.48595E-05	1.6034E-05	5.34587E-05	4.55619E-05	5.99832E-05	6.41259E-05	1.5908E-05	5.34587E-05	4.43163E-05	**2690**
2691	6.14275E-05	6.60579E-05	1.53597E-05	5.56028E-05	4.73271E-05	6.16362E-05	6.59535E-05	1.57033E-05	5.56028E-05	4.61391E-05	**2691**
2692	6.6285E-05	7.13303E-05	1.60883E-05	6.12099E-05	5.08381E-05	6.7095E-05	7.1825E-05	1.6772E-05	6.12099E-05	4.97419E-05	**2692**
2693	7.27518E-05	7.82438E-05	1.81106E-05	6.69537E-05	5.44706E-05	7.35021E-05	7.86575E-05	1.86535E-05	6.69537E-05	5.34538E-05	**2693**
2694	7.73807E-05	8.30975E-05	2.05031E-05	6.99608E-05	5.52011E-05	7.75146E-05	8.28745E-05	2.04897E-05	6.99608E-05	5.41468E-05	**2694**
2695	7.64978E-05	8.18522E-05	2.3225E-05	6.92768E-05	0.000101334	7.64462E-05	8.15448E-05	2.22023E-05	6.92768E-05	9.27707E-05	**2695**
2696	7.20862E-05	7.69196E-05	2.39985E-05	6.64187E-05	0.000100007	7.23824E-05	7.70761E-05	2.24458E-05	6.64187E-05	9.13635E-05	**2696**
2697	6.96131E-05	7.41806E-05	2.41703E-05	6.31307E-05	0.000100677	6.93643E-05	7.37957E-05	2.22181E-05	6.31307E-05	9.20223E-05	**2697**
2698	6.89625E-05	7.3397E-05	2.48419E-05	6.1506E-05	0.000101038	6.81775E-05	7.24729E-05	2.24777E-05	6.1506E-05	9.23726E-05	**2698**
2699	6.86723E-05	7.30183E-05	2.54324E-05	6.05065E-05	0.000101331	6.75008E-05	7.17066E-05	2.27556E-05	6.05065E-05	9.26601E-05	**2699**
2700	6.68375E-05	7.10856E-05	2.45721E-05	5.89508E-05	9.4729E-05	6.57393E-05	6.98479E-05	2.20276E-05	5.89508E-05	8.73211E-05	**2700**
2701	6.52381E-05	6.9365E-05	2.41782E-05	5.73195E-05	9.443E-05	6.40512E-05	6.80411E-05	2.16021E-05	5.73195E-05	8.70131E-05	**2701**
2702	6.52376E-05	6.94466E-05	2.33616E-05	5.75208E-05	9.28217E-05	6.42072E-05	6.82639E-05	2.10471E-05	5.75208E-05	8.53653E-05	**2702**
2703	6.8659E-05	7.31775E-05	2.37037E-05	6.09034E-05	9.6971E-05	6.78103E-05	7.21559E-05	2.15767E-05	6.09034E-05	8.8187E-05	**2703**
2704	7.41799E-05	7.91015E-05	2.52145E-05	6.59578E-05	9.37018E-05	7.33655E-05	7.80945E-05	2.30535E-05	6.59578E-05	8.48521E-05	**2704**
2705	7.91948E-05	8.44647E-05	2.67632E-05	7.0136E-05	9.10321E-05	7.82112E-05	8.32643E-05	2.44501E-05	7.0136E-05	8.21355E-05	**2705**
2706	8.63392E-05	9.18162E-05	3.18467E-05	7.48324E-05	8.94573E-05	8.43175E-05	8.95828E-05	2.82992E-05	7.48324E-05	8.05395E-05	**2706**
2707	9.52353E-05	0.000100772	4.01528E-05	7.99299E-05	7.40967E-05	9.14242E-05	9.67851E-05	3.43892E-05	7.99299E-05	6.7689E-05	**2707**
2708	9.82381E-05	0.000103673	4.41638E-05	8.15344E-05	6.15062E-05	9.36739E-05	9.89729E-05	3.72973E-05	8.15344E-05	5.76938E-05	**2708**
2709	9.63297E-05	0.000101641	4.34897E-05	7.77203E-05	5.28841E-05	9.08322E-05	9.59362E-05	3.65298E-05	7.77203E-05	5.03033E-05	**2709**
2710	8.97196E-05	9.48091E-05	3.90828E-05	7.13837E-05	4.6569E-05	8.42593E-05	8.90727E-05	3.30489E-05	7.13837E-05	4.53041E-05	**2710**
2711	7.93037E-05	8.3985E-05	3.27284E-05	6.39703E-05	4.55648E-05	7.50166E-05	7.94263E-05	2.81018E-05	6.39703E-05	4.42838E-05	**2711**
2712	7.09998E-05	7.55619E-05	2.561E-05	5.91299E-05	4.51267E-05	6.8295E-05	7.25654E-05	2.28617E-05	5.91299E-05	4.38455E-05	**2712**
2713	6.1966E-05	6.63142E-05	1.87048E-05	5.33712E-05	4.49879E-05	6.06931E-05	6.47359E-05	1.7681E-05	5.33712E-05	4.37133E-05	**2713**
2714	6.01247E-05	6.45632E-05	1.5965E-05	5.30647E-05	4.55836E-05	5.96415E-05	6.3761E-05	1.5814E-05	5.30647E-05	4.43359E-05	**2714**
2715	6.12014E-05	6.5815E-05	1.53001E-05	5.52605E-05	4.73427E-05	6.13475E-05	6.56455E-05	1.56207E-05	5.52605E-05	4.61529E-05	**2715**
2716	6.60721E-05	7.11026E-05	1.60227E-05	6.08259E-05	5.08572E-05	6.67962E-05	7.15071E-05	1.66765E-05	6.08259E-05	4.97609E-05	**2716**
2717	7.26393E-05	7.81246E-05	1.80649E-05	6.66794E-05	5.45277E-05	7.33129E-05	7.84572E-05	1.85826E-05	6.66794E-05	5.35113E-05	**2717**
2718	7.72553E-05	8.29639E-05	2.04597E-05	6.97038E-05	5.529E-05	7.73251E-05	8.26733E-05	2.04246E-05	6.97038E-05	5.42362E-05	**2718**
2719	7.77995E-05	8.32839E-05	2.32342E-05	6.91862E-05	0.000101409	7.72048E-05	8.23753E-05	2.21952E-05	6.91862E-05	9.2846E-05	**2719**
2720	7.18234E-05	7.66364E-05	2.39379E-05	6.6077E-05	0.000100144	7.20715E-05	7.67435E-05	2.23659E-05	6.6077E-05	9.15012E-05	**2720**
2721	6.9313E-05	7.38573E-05	2.41008E-05	6.27386E-05	0.000100901	6.90083E-05	7.34149E-05	2.21263E-05	6.27386E-05	9.22477E-05	**2721**
2722	6.87308E-05	7.31475E-05	2.47879E-05	6.1201E-05	0.000101276	6.79017E-05	7.21779E-05	2.24062E-05	6.1201E-05	9.26115E-05	**2722**
2723	6.84474E-05	7.27761E-05	2.53804E-05	6.0213E-05	0.000101592	6.72344E-05	7.14215E-05	2.26869E-05	6.0213E-05	9.29225E-05	**2723**
2724	6.66734E-05	7.09093E-05	2.453E-05	5.87095E-05	9.48837E-05	6.5533E-05	6.96276E-05	2.19697E-05	5.87095E-05	8.74742E-05	**2724**
2725	6.50825E-05	6.9198E-05	2.4137E-05	5.70826E-05	9.45729E-05	6.38519E-05	6.78285E-05	2.15449E-05	5.70826E-05	8.7155E-05	**2725**
2726	6.51296E-05	6.93307E-05	2.33316E-05	5.73475E-05	9.29554E-05	6.40649E-05	6.81123E-05	2.10048E-05	5.73475E-05	8.54983E-05	**2726**
2727	6.84983E-05	7.30045E-05	2.3666E-05	6.06903E-05	9.70698E-05	6.76184E-05	7.19507E-05	2.15266E-05	6.06903E-05	8.82851E-05	**2727**

2728	7.40866E-05	7.90012E-05	2.51896E-05	6.58145E-05	9.37489E-05	7.32454E-05	7.79664E-05	2.30188E-05	6.58145E-05	8.48994E-05	**2728**
2729	7.92775E-05	8.45536E-05	2.67852E-05	7.02622E-05	9.10368E-05	7.83173E-05	8.33775E-05	2.44806E-05	7.02622E-05	8.21398E-05	**2729**
2730	8.6407E-05	9.18891E-05	3.18646E-05	7.49355E-05	8.94509E-05	8.44044E-05	8.96755E-05	2.83241E-05	7.49355E-05	8.05322E-05	**2730**
2731	9.52843E-05	0.000100825	4.0159E-05	7.9961E-05	7.40728E-05	9.14679E-05	9.68324E-05	3.43947E-05	7.9961E-05	6.76647E-05	**2731**
2732	9.82979E-05	0.000103739	4.4164E-05	8.1524E-05	6.15032E-05	9.3706E-05	9.90086E-05	3.72902E-05	8.1524E-05	5.76922E-05	**2732**
2733	9.48588E-05	0.000100028	4.34326E-05	7.75335E-05	5.28484E-05	8.98483E-05	9.48656E-05	3.6469E-05	7.75335E-05	5.02685E-05	**2733**
2734	8.97279E-05	9.48186E-05	3.90792E-05	7.1359E-05	4.65397E-05	8.42535E-05	8.90671E-05	3.30412E-05	7.1359E-05	4.52757E-05	**2734**
2735	7.93584E-05	8.40445E-05	3.27353E-05	6.40047E-05	4.55322E-05	7.50652E-05	7.94789E-05	2.81078E-05	6.40047E-05	4.42521E-05	**2735**
2736	7.10358E-05	7.56009E-05	2.56158E-05	5.91607E-05	4.50749E-05	6.83305E-05	7.26037E-05	2.2868E-05	5.91607E-05	4.37942E-05	**2736**
2737	6.1966E-05	6.63142E-05	1.87048E-05	5.33712E-05	4.49879E-05	6.06931E-05	6.47359E-05	1.7681E-05	5.33712E-05	4.37133E-05	**2737**
2738	6.01247E-05	6.45632E-05	1.5965E-05	5.30647E-05	4.55836E-05	5.96415E-05	6.3761E-05	1.5814E-05	5.30647E-05	4.43359E-05	**2738**
2739	6.12014E-05	6.5815E-05	1.53001E-05	5.52605E-05	4.73427E-05	6.13475E-05	6.56455E-05	1.56207E-05	5.52605E-05	4.61529E-05	**2739**
2740	6.60721E-05	7.11026E-05	1.60227E-05	6.08259E-05	5.08572E-05	6.67962E-05	7.15071E-05	1.66765E-05	6.08259E-05	4.97609E-05	**2740**
2741	7.26393E-05	7.81246E-05	1.80649E-05	6.66794E-05	5.45277E-05	7.33129E-05	7.84572E-05	1.85826E-05	6.66794E-05	5.35113E-05	**2741**
2742	7.72553E-05	8.29639E-05	2.04597E-05	6.97038E-05	5.529E-05	7.73251E-05	8.26733E-05	2.04246E-05	6.97038E-05	5.42362E-05	**2742**
2743	7.77995E-05	8.32839E-05	2.32342E-05	6.91862E-05	0.000101409	7.72048E-05	8.23753E-05	2.21952E-05	6.91862E-05	9.2846E-05	**2743**
2744	7.18234E-05	7.66364E-05	2.39379E-05	6.6077E-05	0.000100144	7.20715E-05	7.67435E-05	2.23659E-05	6.6077E-05	9.15012E-05	**2744**
2745	6.9313E-05	7.38573E-05	2.41008E-05	6.27386E-05	0.000100901	6.90083E-05	7.34149E-05	2.21263E-05	6.27386E-05	9.22477E-05	**2745**
2746	6.87308E-05	7.31475E-05	2.47879E-05	6.1201E-05	0.000101276	6.79017E-05	7.21779E-05	2.24062E-05	6.1201E-05	9.26115E-05	**2746**
2747	6.84474E-05	7.27761E-05	2.53804E-05	6.0213E-05	0.000101592	6.72344E-05	7.14215E-05	2.26869E-05	6.0213E-05	9.29225E-05	**2747**
2748	6.66734E-05	7.09093E-05	2.453E-05	5.87095E-05	9.48837E-05	6.5533E-05	6.96276E-05	2.19697E-05	5.87095E-05	8.74742E-05	**2748**
2749	6.50825E-05	6.9198E-05	2.4137E-05	5.70826E-05	9.45729E-05	6.38519E-05	6.78285E-05	2.15449E-05	5.70826E-05	8.7155E-05	**2749**
2750	6.51296E-05	6.93307E-05	2.33316E-05	5.73475E-05	9.29554E-05	6.40649E-05	6.81123E-05	2.10048E-05	5.73475E-05	8.54983E-05	**2750**
2751	6.84983E-05	7.30045E-05	2.3666E-05	6.06903E-05	9.70698E-05	6.76184E-05	7.19507E-05	2.15266E-05	6.06903E-05	8.82851E-05	**2751**
2752	7.40866E-05	7.90012E-05	2.51896E-05	6.58145E-05	9.37489E-05	7.32454E-05	7.79664E-05	2.30188E-05	6.58145E-05	8.48994E-05	**2752**
2753	7.92775E-05	8.45536E-05	2.67852E-05	7.02622E-05	9.10368E-05	7.83173E-05	8.33775E-05	2.44806E-05	7.02622E-05	8.21398E-05	**2753**
2754	8.6407E-05	9.18891E-05	3.18646E-05	7.49355E-05	8.94509E-05	8.44044E-05	8.96755E-05	2.83241E-05	7.49355E-05	8.05322E-05	**2754**
2755	9.52843E-05	0.000100825	4.0159E-05	7.9961E-05	7.40728E-05	9.14679E-05	9.68324E-05	3.43947E-05	7.9961E-05	6.76647E-05	**2755**
2756	9.82979E-05	0.000103739	4.4164E-05	8.1524E-05	6.15032E-05	9.3706E-05	9.90086E-05	3.72902E-05	8.1524E-05	5.76922E-05	**2756**
2757	9.48588E-05	0.000100028	4.34326E-05	7.75335E-05	5.28484E-05	8.98483E-05	9.48656E-05	3.6469E-05	7.75335E-05	5.02685E-05	**2757**
2758	8.97279E-05	9.48186E-05	3.90792E-05	7.1359E-05	4.65397E-05	8.42535E-05	8.90671E-05	3.30412E-05	7.1359E-05	4.52757E-05	**2758**
2759	7.93584E-05	8.40445E-05	3.27353E-05	6.40047E-05	4.55322E-05	7.50652E-05	7.94789E-05	2.81078E-05	6.40047E-05	4.42521E-05	**2759**
2760	7.10358E-05	7.56009E-05	2.56158E-05	5.91607E-05	4.50749E-05	6.83305E-05	7.26037E-05	2.2868E-05	5.91607E-05	4.37942E-05	**2760**
2761	6.22703E-05	6.66417E-05	1.87784E-05	5.37891E-05	4.49734E-05	6.10629E-05	6.51312E-05	1.77799E-05	5.37891E-05	4.37005E-05	**2761**
2762	6.04003E-05	6.48595E-05	1.6034E-05	5.34587E-05	4.55619E-05	5.99832E-05	6.41259E-05	1.5908E-05	5.34587E-05	4.43163E-05	**2762**
2763	6.14275E-05	6.60579E-05	1.53597E-05	5.56028E-05	4.73271E-05	6.16362E-05	6.59535E-05	1.57033E-05	5.56028E-05	4.61391E-05	**2763**
2764	6.6285E-05	7.13303E-05	1.60883E-05	6.12099E-05	5.08381E-05	6.7095E-05	7.1825E-05	1.6772E-05	6.12099E-05	4.97419E-05	**2764**
2765	7.27518E-05	7.82438E-05	1.81106E-05	6.69537E-05	5.44706E-05	7.35021E-05	7.86575E-05	1.86535E-05	6.69537E-05	5.34538E-05	**2765**
2766	7.73807E-05	8.30975E-05	2.05031E-05	6.99608E-05	5.52011E-05	7.75146E-05	8.28745E-05	2.04897E-05	6.99608E-05	5.41468E-05	**2766**
2767	7.64978E-05	8.18522E-05	2.3225E-05	6.92768E-05	0.000101334	7.64462E-05	8.15448E-05	2.22023E-05	6.92768E-05	9.27707E-05	**2767**
2768	7.20862E-05	7.69196E-05	2.39985E-05	6.64187E-05	0.000100007	7.23824E-05	7.70761E-05	2.24458E-05	6.64187E-05	9.13635E-05	**2768**
2769	6.96131E-05	7.41806E-05	2.41703E-05	6.31307E-05	0.000100677	6.93643E-05	7.37957E-05	2.22181E-05	6.31307E-05	9.20223E-05	**2769**
2770	6.89625E-05	7.3397E-05	2.48419E-05	6.1506E-05	0.000101038	6.81775E-05	7.24729E-05	2.24777E-05	6.1506E-05	9.23726E-05	**2770**
2771	6.86723E-05	7.30183E-05	2.54324E-05	6.05065E-05	0.000101331	6.75008E-05	7.17066E-05	2.27556E-05	6.05065E-05	9.26601E-05	**2771**
2772	6.68375E-05	7.10856E-05	2.45721E-05	5.89508E-05	9.4729E-05	6.57393E-05	6.98479E-05	2.20276E-05	5.89508E-05	8.73211E-05	**2772**
2773	6.52381E-05	6.9365E-05	2.41782E-05	5.73195E-05	9.443E-05	6.40512E-05	6.80411E-05	2.16021E-05	5.73195E-05	8.70131E-05	**2773**
2774	6.52376E-05	6.94466E-05	2.33616E-05	5.75208E-05	9.28217E-05	6.42072E-05	6.82639E-05	2.10471E-05	5.75208E-05	8.53653E-05	**2774**
2775	6.8659E-05	7.31775E-05	2.37037E-05	6.09034E-05	9.6971E-05	6.78103E-05	7.21559E-05	2.15767E-05	6.09034E-05	8.8187E-05	**2775**
2776	7.41799E-05	7.91015E-05	2.52145E-05	6.59578E-05	9.37018E-05	7.33655E-05	7.80945E-05	2.30535E-05	6.59578E-05	8.48521E-05	**2776**
2777	7.91948E-05	8.44647E-05	2.67632E-05	7.0136E-05	9.10321E-05	7.82112E-05	8.32643E-05	2.44501E-05	7.0136E-05	8.21355E-05	**2777**
2778	8.63392E-05	9.18162E-05	3.18467E-05	7.48324E-05	8.94573E-05	8.43175E-05	8.95828E-05	2.82992E-05	7.48324E-05	8.05395E-05	**2778**
2779	9.52353E-05	0.000100772	4.01528E-05	7.99299E-05	7.40967E-05	9.14242E-05	9.67851E-05	3.43892E-05	7.99299E-05	6.7689E-05	**2779**
2780	9.82381E-05	0.000103673	4.41638E-05	8.15344E-05	6.15062E-05	9.36739E-05	9.89729E-05	3.72973E-05	8.15344E-05	5.76938E-05	**2780**
2781	9.63297E-05	0.000101641	4.34897E-05	7.77203E-05	5.28841E-05	9.08322E-05	9.59362E-05	3.65298E-05	7.77203E-05	5.03033E-05	**2781**
2782	8.97196E-05	9.48091E-05	3.90828E-05	7.13837E-05	4.6569E-05	8.42593E-05	8.90727E-05	3.30489E-05	7.13837E-05	4.53041E-05	**2782**
2783	7.93037E-05	8.3985E-05	3.27284E-05	6.39703E-05	4.55648E-05	7.50166E-05	7.94263E-05	2.81018E-05	6.39703E-05	4.42838E-05	**2783**
2784	7.09998E-05	7.55619E-05	2.561E-05	5.91299E-05	4.51267E-05	6.8295E-05	7.25654E-05	2.28617E-05	5.91299E-05	4.38455E-05	**2784**
2785	6.22703E-05	6.66417E-05	1.87784E-05	5.37891E-05	4.49734E-05	6.10629E-05	6.51312E-05	1.77799E-05	5.37891E-05	4.37005E-05	**2785**
2786	6.04003E-05	6.48595E-05	1.6034E-05	5.34587E-05	4.55619E-05	5.99832E-05	6.41259E-05	1.5908E-05	5.34587E-05	4.43163E-05	**2786**
2787	6.14275E-05	6.60579E-05	1.53597E-05	5.56028E-05	4.73271E-05	6.16362E-05	6.59535E-05	1.57033E-05	5.56028E-05	4.61391E-05	**2787**
2788	6.6285E-05	7.13303E-05	1.60883E-05	6.12099E-05	5.08381E-05	6.7095E-05	7.1825E-05	1.6772E-05	6.12099E-05	4.97419E-05	**2788**
2789	7.27518E-05	7.82438E-05	1.81106E-05	6.69537E-05	5.44706E-05	7.35021E-05	7.86575E-05	1.86535E-05	6.69537E-05	5.34538E-05	**2789**
2790	7.73807E-05	8.30975E-05	2.05031E-05	6.99608E-05	5.52011E-05	7.75146E-05	8.28745E-05	2.04897E-05	6.99608E-05	5.41468E-05	**2790**
2791	7.64978E-05	8.18522E-05	2.3225E-05	6.92768E-05	0.000101334	7.64462E-05	8.15448E-05	2.22023E-05	6.92768E-05	9.27707E-05	**2791**
2792	7.20862E-05	7.69196E-05	2.39985E-05	6.64187E-05	0.000100007	7.23824E-05	7.70761E-05	2.24458E-05	6.64187E-05	9.13635E-05	**2792**
2793	6.96131E-05	7.41806E-05	2.41703E-05	6.31307E-05	0.000100677	6.93643E-05	7.37957E-05	2.22181E-05	6.31307E-05	9.20223E-05	**2793**
2794	6.89625E-05	7.3397E-05	2.48419E-05	6.1506E-05	0.000101038	6.81775E-05	7.24729E-05	2.24777E-05	6.1506E-05	9.23726E-05	**2794**
2795	6.86723E-05	7.30183E-05	2.54324E-05	6.05065E-05	0.000101331	6.75008E-05	7.17066E-05	2.27556E-05	6.05065E-05	9.26601E-05	**2795**
2796	6.68375E-05	7.10856E-05	2.45721E-05	5.89508E-05	9.4729E-05	6.57393E-05	6.98479E-05	2.20276E-05	5.89508E-05	8.73211E-05	**2796**
2797	6.52381E-05	6.9365E-05	2.41782E-05	5.73195E-05	9.443E-05	6.40512E-05	6.80411E-05	2.16021E-05	5.73195E-05	8.70131E-05	**2797**
2798	6.52376E-05	6.94466E-05	2.33616E-05	5.75208E-05	9.28217E-05	6.42072E-05	6.82639E-05	2.10471E-05	5.75208E-05	8.53653E-05	**2798**
2799	6.8659E-05	7.31775E-05	2.37037E-05	6.09034E-05	9.6971E-05	6.78103E-05	7.21559E-05	2.15767E-05	6.09034E-05	8.8187E-05	**2799**
2800	7.41799E-05	7.91015E-05	2.52145E-05	6.59578E-05	9.37018E-05	7.33655E-05	7.80945E-05	2.30535E-05	6.59578E-05	8.48521E-05	**2800**
2801	7.91948E-05	8.44647E-05	2.67632E-05	7.0136E-05	9.10321E-05	7.82112E-05	8.32643E-05	2.44501E-05	7.0136E-05	8.21355E-05	**2801**
2802	8.63392E-05	9.18162E-05	3.18467E-05	7.48324E-05	8.94573E-05	8.43175E-05	8.95828E-05	2.82992E-05	7.48324E-05	8.05395E-05	**2802**
2803	9.52353E-05	0.000100772	4.01528E-05	7.99299E-05	7.40967E-05	9.14242E-05	9.67851E-05	3.43892E-05	7.99299E-05	6.7689E-05	**2803**

2804	9.82381E-05	0.000103673	4.41638E-05	8.15344E-05	6.15062E-05	9.36739E-05	9.89729E-05	3.72973E-05	8.15344E-05	5.76938E-05	2804
2805	9.63297E-05	0.000101641	4.34897E-05	7.77203E-05	5.28841E-05	9.08322E-05	9.59362E-05	3.65298E-05	7.77203E-05	5.03033E-05	2805
2806	8.97196E-05	9.48091E-05	3.90828E-05	7.13837E-05	4.6569E-05	8.42593E-05	8.90727E-05	3.30489E-05	7.13837E-05	4.53041E-05	2806
2807	7.93037E-05	8.3985E-05	3.27284E-05	6.39703E-05	4.55648E-05	7.50166E-05	7.94263E-05	2.81018E-05	6.39703E-05	4.42838E-05	2807
2808	7.09998E-05	7.55619E-05	2.561E-05	5.91299E-05	4.51267E-05	6.8295E-05	7.25654E-05	2.28617E-05	5.91299E-05	4.38455E-05	2808
2809	6.22703E-05	6.66417E-05	1.87784E-05	5.37891E-05	4.49734E-05	6.10629E-05	6.51312E-05	1.77799E-05	5.37891E-05	4.37005E-05	2809
2810	6.04003E-05	6.48595E-05	1.6034E-05	5.34587E-05	4.55619E-05	5.99832E-05	6.41259E-05	1.5908E-05	5.34587E-05	4.43163E-05	2810
2811	6.14275E-05	6.60579E-05	1.53597E-05	5.56028E-05	4.73271E-05	6.16362E-05	6.59535E-05	1.57033E-05	5.56028E-05	4.61391E-05	2811
2812	6.6285E-05	7.13303E-05	1.60883E-05	6.12099E-05	5.08381E-05	6.7095E-05	7.1825E-05	1.6772E-05	6.12099E-05	4.97419E-05	2812
2813	7.27518E-05	7.82438E-05	1.81106E-05	6.69537E-05	5.44706E-05	7.35021E-05	7.86575E-05	1.86535E-05	6.69537E-05	5.34538E-05	2813
2814	7.73807E-05	8.30975E-05	2.05031E-05	6.99608E-05	5.52011E-05	7.75146E-05	8.28745E-05	2.04897E-05	6.99608E-05	5.41468E-05	2814
2815	7.64978E-05	8.18522E-05	2.3225E-05	6.92768E-05	0.000101334	7.64462E-05	8.15448E-05	2.22023E-05	6.92768E-05	9.27707E-05	2815
2816	7.20862E-05	7.69196E-05	2.39985E-05	6.64187E-05	0.000100007	7.23824E-05	7.70761E-05	2.24458E-05	6.64187E-05	9.13635E-05	2816
2817	6.96131E-05	7.41806E-05	2.41703E-05	6.31307E-05	0.000100677	6.93643E-05	7.37957E-05	2.22181E-05	6.31307E-05	9.20223E-05	2817
2818	6.89625E-05	7.3397E-05	2.48419E-05	6.1506E-05	0.000101038	6.81775E-05	7.24729E-05	2.24777E-05	6.1506E-05	9.23726E-05	2818
2819	6.86723E-05	7.30183E-05	2.54324E-05	6.05065E-05	0.000101331	6.75008E-05	7.17066E-05	2.27556E-05	6.05065E-05	9.26601E-05	2819
2820	6.68375E-05	7.10856E-05	2.45721E-05	5.89508E-05	9.4729E-05	6.57393E-05	6.98479E-05	2.20276E-05	5.89508E-05	8.73211E-05	2820
2821	6.52381E-05	6.9365E-05	2.41782E-05	5.73195E-05	9.443E-05	6.40512E-05	6.80411E-05	2.16021E-05	5.73195E-05	8.70131E-05	2821
2822	6.52376E-05	6.94466E-05	2.33616E-05	5.75208E-05	9.28217E-05	6.42072E-05	6.82639E-05	2.10471E-05	5.75208E-05	8.53653E-05	2822
2823	6.8659E-05	7.31775E-05	2.37037E-05	6.09034E-05	9.6971E-05	6.78103E-05	7.21559E-05	2.15767E-05	6.09034E-05	8.8187E-05	2823
2824	7.41799E-05	7.91015E-05	2.52145E-05	6.59578E-05	9.37018E-05	7.33655E-05	7.80945E-05	2.30535E-05	6.59578E-05	8.48521E-05	2824
2825	7.91948E-05	8.44647E-05	2.67632E-05	7.0136E-05	9.10321E-05	7.82112E-05	8.32643E-05	2.44501E-05	7.0136E-05	8.21355E-05	2825
2826	8.63392E-05	9.18162E-05	3.18467E-05	7.48324E-05	8.94573E-05	8.43175E-05	8.95828E-05	2.82992E-05	7.48324E-05	8.05395E-05	2826
2827	9.52353E-05	0.000100772	4.01528E-05	7.99299E-05	7.40967E-05	9.14242E-05	9.67851E-05	3.43892E-05	7.99299E-05	6.7689E-05	2827
2828	9.82381E-05	0.000103673	4.41638E-05	8.15344E-05	6.15062E-05	9.36739E-05	9.89729E-05	3.72973E-05	8.15344E-05	5.76938E-05	2828
2829	9.63297E-05	0.000101641	4.34897E-05	7.77203E-05	5.28841E-05	9.08322E-05	9.59362E-05	3.65298E-05	7.77203E-05	5.03033E-05	2829
2830	8.97196E-05	9.48091E-05	3.90828E-05	7.13837E-05	4.6569E-05	8.42593E-05	8.90727E-05	3.30489E-05	7.13837E-05	4.53041E-05	2830
2831	7.93037E-05	8.3985E-05	3.27284E-05	6.39703E-05	4.55648E-05	7.50166E-05	7.94263E-05	2.81018E-05	6.39703E-05	4.42838E-05	2831
2832	7.09998E-05	7.55619E-05	2.561E-05	5.91299E-05	4.51267E-05	6.8295E-05	7.25654E-05	2.28617E-05	5.91299E-05	4.38455E-05	2832
2833	6.22703E-05	6.66417E-05	1.87784E-05	5.37891E-05	4.49734E-05	6.10629E-05	6.51312E-05	1.77799E-05	5.37891E-05	4.37005E-05	2833
2834	6.04003E-05	6.48595E-05	1.6034E-05	5.34587E-05	4.55619E-05	5.99832E-05	6.41259E-05	1.5908E-05	5.34587E-05	4.43163E-05	2834
2835	6.14275E-05	6.60579E-05	1.53597E-05	5.56028E-05	4.73271E-05	6.16362E-05	6.59535E-05	1.57033E-05	5.56028E-05	4.61391E-05	2835
2836	6.6285E-05	7.13303E-05	1.60883E-05	6.12099E-05	5.08381E-05	6.7095E-05	7.1825E-05	1.6772E-05	6.12099E-05	4.97419E-05	2836
2837	7.27518E-05	7.82438E-05	1.81106E-05	6.69537E-05	5.44706E-05	7.35021E-05	7.86575E-05	1.86535E-05	6.69537E-05	5.34538E-05	2837
2838	7.73807E-05	8.30975E-05	2.05031E-05	6.99608E-05	5.52011E-05	7.75146E-05	8.28745E-05	2.04897E-05	6.99608E-05	5.41468E-05	2838
2839	7.64978E-05	8.18522E-05	2.3225E-05	6.92768E-05	0.000101334	7.64462E-05	8.15448E-05	2.22023E-05	6.92768E-05	9.27707E-05	2839
2840	7.20862E-05	7.69196E-05	2.39985E-05	6.64187E-05	0.000100007	7.23824E-05	7.70761E-05	2.24458E-05	6.64187E-05	9.13635E-05	2840
2841	6.96131E-05	7.41806E-05	2.41703E-05	6.31307E-05	0.000100677	6.93643E-05	7.37957E-05	2.22181E-05	6.31307E-05	9.20223E-05	2841
2842	6.89625E-05	7.3397E-05	2.48419E-05	6.1506E-05	0.000101038	6.81775E-05	7.24729E-05	2.24777E-05	6.1506E-05	9.23726E-05	2842
2843	6.86723E-05	7.30183E-05	2.54324E-05	6.05065E-05	0.000101331	6.75008E-05	7.17066E-05	2.27556E-05	6.05065E-05	9.26601E-05	2843
2844	6.68375E-05	7.10856E-05	2.45721E-05	5.89508E-05	9.4729E-05	6.57393E-05	6.98479E-05	2.20276E-05	5.89508E-05	8.73211E-05	2844
2845	6.52381E-05	6.9365E-05	2.41782E-05	5.73195E-05	9.443E-05	6.40512E-05	6.80411E-05	2.16021E-05	5.73195E-05	8.70131E-05	2845
2846	6.52376E-05	6.94466E-05	2.33616E-05	5.75208E-05	9.28217E-05	6.42072E-05	6.82639E-05	2.10471E-05	5.75208E-05	8.53653E-05	2846
2847	6.8659E-05	7.31775E-05	2.37037E-05	6.09034E-05	9.6971E-05	6.78103E-05	7.21559E-05	2.15767E-05	6.09034E-05	8.8187E-05	2847
2848	7.41799E-05	7.91015E-05	2.52145E-05	6.59578E-05	9.37018E-05	7.33655E-05	7.80945E-05	2.30535E-05	6.59578E-05	8.48521E-05	2848
2849	7.91948E-05	8.44647E-05	2.67632E-05	7.0136E-05	9.10321E-05	7.82112E-05	8.32643E-05	2.44501E-05	7.0136E-05	8.21355E-05	2849
2850	8.63392E-05	9.18162E-05	3.18467E-05	7.48324E-05	8.94573E-05	8.43175E-05	8.95828E-05	2.82992E-05	7.48324E-05	8.05395E-05	2850
2851	9.52353E-05	0.000100772	4.01528E-05	7.99299E-05	7.40967E-05	9.14242E-05	9.67851E-05	3.43892E-05	7.99299E-05	6.7689E-05	2851
2852	9.82381E-05	0.000103673	4.41638E-05	8.15344E-05	6.15062E-05	9.36739E-05	9.89729E-05	3.72973E-05	8.15344E-05	5.76938E-05	2852
2853	9.63297E-05	0.000101641	4.34897E-05	7.77203E-05	5.28841E-05	9.08322E-05	9.59362E-05	3.65298E-05	7.77203E-05	5.03033E-05	2853
2854	8.97196E-05	9.48091E-05	3.90828E-05	7.13837E-05	4.6569E-05	8.42593E-05	8.90727E-05	3.30489E-05	7.13837E-05	4.53041E-05	2854
2855	7.93037E-05	8.3985E-05	3.27284E-05	6.39703E-05	4.55648E-05	7.50166E-05	7.94263E-05	2.81018E-05	6.39703E-05	4.42838E-05	2855
2856	7.09998E-05	7.55619E-05	2.561E-05	5.91299E-05	4.51267E-05	6.8295E-05	7.25654E-05	2.28617E-05	5.91299E-05	4.38455E-05	2856
2857	6.22703E-05	6.66417E-05	1.87784E-05	5.37891E-05	4.49734E-05	6.10629E-05	6.51312E-05	1.77799E-05	5.37891E-05	4.37005E-05	2857
2858	6.04003E-05	6.48595E-05	1.6034E-05	5.34587E-05	4.55619E-05	5.99832E-05	6.41259E-05	1.5908E-05	5.34587E-05	4.43163E-05	2858
2859	6.14275E-05	6.60579E-05	1.53597E-05	5.56028E-05	4.73271E-05	6.16362E-05	6.59535E-05	1.57033E-05	5.56028E-05	4.61391E-05	2859
2860	6.6285E-05	7.13303E-05	1.60883E-05	6.12099E-05	5.08381E-05	6.7095E-05	7.1825E-05	1.6772E-05	6.12099E-05	4.97419E-05	2860
2861	7.27518E-05	7.82438E-05	1.81106E-05	6.69537E-05	5.44706E-05	7.35021E-05	7.86575E-05	1.86535E-05	6.69537E-05	5.34538E-05	2861
2862	7.73807E-05	8.30975E-05	2.05031E-05	6.99608E-05	5.52011E-05	7.75146E-05	8.28745E-05	2.04897E-05	6.99608E-05	5.41468E-05	2862
2863	7.64978E-05	8.18522E-05	2.3225E-05	6.92768E-05	0.000101334	7.64462E-05	8.15448E-05	2.22023E-05	6.92768E-05	9.27707E-05	2863
2864	7.20862E-05	7.69196E-05	2.39985E-05	6.64187E-05	0.000100007	7.23824E-05	7.70761E-05	2.24458E-05	6.64187E-05	9.13635E-05	2864
2865	6.96131E-05	7.41806E-05	2.41703E-05	6.31307E-05	0.000100677	6.93643E-05	7.37957E-05	2.22181E-05	6.31307E-05	9.20223E-05	2865
2866	6.89625E-05	7.3397E-05	2.48419E-05	6.1506E-05	0.000101038	6.81775E-05	7.24729E-05	2.24777E-05	6.1506E-05	9.23726E-05	2866
2867	6.86723E-05	7.30183E-05	2.54324E-05	6.05065E-05	0.000101331	6.75008E-05	7.17066E-05	2.27556E-05	6.05065E-05	9.26601E-05	2867
2868	6.68375E-05	7.10856E-05	2.45721E-05	5.89508E-05	9.4729E-05	6.57393E-05	6.98479E-05	2.20276E-05	5.89508E-05	8.73211E-05	2868
2869	6.52381E-05	6.9365E-05	2.41782E-05	5.73195E-05	9.443E-05	6.40512E-05	6.80411E-05	2.16021E-05	5.73195E-05	8.70131E-05	2869
2870	6.52376E-05	6.94466E-05	2.33616E-05	5.75208E-05	9.28217E-05	6.42072E-05	6.82639E-05	2.10471E-05	5.75208E-05	8.53653E-05	2870
2871	6.8659E-05	7.31775E-05	2.37037E-05	6.09034E-05	9.6971E-05	6.78103E-05	7.21559E-05	2.15767E-05	6.09034E-05	8.8187E-05	2871
2872	7.41799E-05	7.91015E-05	2.52145E-05	6.59578E-05	9.37018E-05	7.33655E-05	7.80945E-05	2.30535E-05	6.59578E-05	8.48521E-05	2872
2873	7.91948E-05	8.44647E-05	2.67632E-05	7.0136E-05	9.10321E-05	7.82112E-05	8.32643E-05	2.44501E-05	7.0136E-05	8.21355E-05	2873
2874	8.63392E-05	9.18162E-05	3.18467E-05	7.48324E-05	8.94573E-05	8.43175E-05	8.95828E-05	2.82992E-05	7.48324E-05	8.05395E-05	2874
2875	9.52353E-05	0.000100772	4.01528E-05	7.99299E-05	7.40967E-05	9.14242E-05	9.67851E-05	3.43892E-05	7.99299E-05	6.7689E-05	2875
2876	9.82381E-05	0.000103673	4.41638E-05	8.15344E-05	6.15062E-05	9.36739E-05	9.89729E-05	3.72973E-05	8.15344E-05	5.76938E-05	2876
2877	9.63297E-05	0.000101641	4.34897E-05	7.77203E-05	5.28841E-05	9.08322E-05	9.59362E-05	3.65298E-05	7.77203E-05	5.03033E-05	2877
2878	8.97196E-05	9.48091E-05	3.90828E-05	7.13837E-05	4.6569E-05	8.42593E-05	8.90727E-05	3.30489E-05	7.13837E-05	4.53041E-05	2878
2879	7.93037E-05	8.3985E-05	3.27284E-05	6.39703E-05	4.55648E-05	7.50166E-05	7.94263E-05	2.81018E-05	6.39703E-05	4.42838E-05	2879

2880	7.09998E-05	7.55619E-05	2.561E-05	5.91299E-05	4.51267E-05	6.8295E-05	7.25654E-05	2.28617E-05	5.91299E-05	4.38455E-05	2880
2881	6.1966E-05	6.63142E-05	1.87048E-05	5.33712E-05	4.49879E-05	6.06931E-05	6.47359E-05	1.7681E-05	5.33712E-05	4.37133E-05	2881
2882	6.01247E-05	6.45632E-05	1.5965E-05	5.30647E-05	4.55836E-05	5.96415E-05	6.3761E-05	1.5814E-05	5.30647E-05	4.43359E-05	2882
2883	6.12014E-05	6.5815E-05	1.53001E-05	5.52605E-05	4.73427E-05	6.13475E-05	6.56455E-05	1.56207E-05	5.52605E-05	4.61529E-05	2883
2884	6.60721E-05	7.11026E-05	1.60227E-05	6.08259E-05	5.08572E-05	6.67962E-05	7.15071E-05	1.66765E-05	6.08259E-05	4.97609E-05	2884
2885	7.26393E-05	7.81246E-05	1.80649E-05	6.66794E-05	5.45277E-05	7.33129E-05	7.84572E-05	1.85826E-05	6.66794E-05	5.35113E-05	2885
2886	7.72553E-05	8.29639E-05	2.04597E-05	6.97038E-05	5.529E-05	7.73251E-05	8.26733E-05	2.04246E-05	6.97038E-05	5.42362E-05	2886
2887	7.77995E-05	8.32839E-05	2.32342E-05	6.91862E-05	0.000101409	7.72048E-05	8.23753E-05	2.21952E-05	6.91862E-05	9.2846E-05	2887
2888	7.18234E-05	7.66364E-05	2.39379E-05	6.6077E-05	0.000100144	7.20715E-05	7.67435E-05	2.23659E-05	6.6077E-05	9.15012E-05	2888
2889	6.9313E-05	7.38573E-05	2.41008E-05	6.27386E-05	0.000100901	6.90083E-05	7.34149E-05	2.21263E-05	6.27386E-05	9.22477E-05	2889
2890	6.87308E-05	7.31475E-05	2.47879E-05	6.1201E-05	0.000101276	6.79017E-05	7.21779E-05	2.24062E-05	6.1201E-05	9.26115E-05	2890
2891	6.84474E-05	7.27761E-05	2.53804E-05	6.0213E-05	0.000101592	6.72344E-05	7.14215E-05	2.26869E-05	6.0213E-05	9.29225E-05	2891
2892	6.66734E-05	7.09093E-05	2.453E-05	5.87095E-05	9.48837E-05	6.5533E-05	6.96276E-05	2.19697E-05	5.87095E-05	8.74742E-05	2892
2893	6.50825E-05	6.9198E-05	2.4137E-05	5.70826E-05	9.45729E-05	6.38519E-05	6.78285E-05	2.15449E-05	5.70826E-05	8.7155E-05	2893
2894	6.51296E-05	6.93307E-05	2.33316E-05	5.73475E-05	9.29554E-05	6.40649E-05	6.81123E-05	2.10048E-05	5.73475E-05	8.54983E-05	2894
2895	6.84983E-05	7.30045E-05	2.3666E-05	6.06903E-05	9.70698E-05	6.76184E-05	7.19507E-05	2.15266E-05	6.06903E-05	8.82851E-05	2895
2896	7.40866E-05	7.90012E-05	2.51896E-05	6.58145E-05	9.37489E-05	7.32454E-05	7.79664E-05	2.30188E-05	6.58145E-05	8.48994E-05	2896
2897	7.92775E-05	8.45536E-05	2.67852E-05	7.02622E-05	9.10368E-05	7.83173E-05	8.33775E-05	2.44806E-05	7.02622E-05	8.21398E-05	2897
2898	8.6407E-05	9.18891E-05	3.18646E-05	7.49355E-05	8.94509E-05	8.44044E-05	8.96755E-05	2.83241E-05	7.49355E-05	8.05322E-05	2898
2899	9.52843E-05	0.000100825	4.0159E-05	7.9961E-05	7.40728E-05	9.14679E-05	9.68324E-05	3.43947E-05	7.9961E-05	6.76647E-05	2899
2900	9.82979E-05	0.000103739	4.4164E-05	8.1524E-05	6.15032E-05	9.3706E-05	9.90086E-05	3.72902E-05	8.1524E-05	5.76922E-05	2900
2901	9.48588E-05	0.000100028	4.34326E-05	7.75335E-05	5.28484E-05	8.98483E-05	9.48656E-05	3.6469E-05	7.75335E-05	5.02685E-05	2901
2902	8.97279E-05	9.48186E-05	3.90792E-05	7.1359E-05	4.65397E-05	8.42535E-05	8.90671E-05	3.30412E-05	7.1359E-05	4.52757E-05	2902
2903	7.93584E-05	8.40445E-05	3.27353E-05	6.40047E-05	4.55322E-05	7.50652E-05	7.94789E-05	2.81078E-05	6.40047E-05	4.42521E-05	2903
2904	7.10358E-05	7.56009E-05	2.56158E-05	5.91607E-05	4.50749E-05	6.83305E-05	7.26037E-05	2.2868E-05	5.91607E-05	4.37942E-05	2904
2905	6.13397E-05	6.56678E-05	1.82788E-05	5.07329E-05	0.000104705	5.91525E-05	6.31177E-05	1.69673E-05	5.07329E-05	0.000111261	2905
2906	5.74694E-05	6.17248E-05	1.51315E-05	4.81803E-05	0.000108586	5.58723E-05	5.9752E-05	1.45961E-05	4.81803E-05	0.000115615	2906
2907	5.84288E-05	6.28541E-05	1.44013E-05	4.99756E-05	0.000116555	5.73308E-05	6.13757E-05	1.4296E-05	4.99756E-05	0.000124481	2907
2908	6.17948E-05	6.65117E-05	1.48653E-05	5.41585E-05	0.00012791	6.12509E-05	6.55926E-05	1.50592E-05	5.41585E-05	0.000137076	2908
2909	6.66872E-05	7.17103E-05	1.67114E-05	5.90659E-05	0.000140678	6.63261E-05	7.09803E-05	1.68098E-05	5.90659E-05	0.000151208	2909
2910	7.17618E-05	7.7042E-05	1.92284E-05	6.27927E-05	0.000151668	7.09275E-05	7.58251E-05	1.88218E-05	6.27927E-05	0.000163529	2910
2911	7.39992E-05	7.92039E-05	2.22169E-05	6.33329E-05	0.000208132	7.2309E-05	7.71525E-05	2.07787E-05	6.33329E-05	0.000213767	2911
2912	7.03487E-05	7.50812E-05	2.32649E-05	6.20035E-05	0.000211926	6.93817E-05	7.39011E-05	2.12991E-05	6.20035E-05	0.000218095	2912
2913	7.0687E-05	7.53741E-05	2.40538E-05	6.21671E-05	0.000215036	6.96003E-05	7.40869E-05	2.18674E-05	6.21671E-05	0.000221487	2913
2914	7.1452E-05	7.61134E-05	2.50741E-05	6.25262E-05	0.000215805	7.01511E-05	7.46208E-05	2.25984E-05	6.25262E-05	0.000222303	2914
2915	7.19758E-05	7.66216E-05	2.57534E-05	6.19437E-05	0.000215958	7.01564E-05	7.45944E-05	2.29396E-05	6.19437E-05	0.000222443	2915
2916	7.13851E-05	7.60334E-05	2.51377E-05	6.17312E-05	0.000209221	6.97464E-05	7.41862E-05	2.2511E-05	6.17312E-05	0.000216993	2916
2917	7.23891E-05	7.71244E-05	2.52767E-05	6.30465E-05	0.000206326	7.09462E-05	7.54762E-05	2.27509E-05	6.30465E-05	0.000213776	2917
2918	7.46434E-05	7.96418E-05	2.49131E-05	6.57448E-05	0.000197346	7.35792E-05	7.83561E-05	2.27564E-05	6.57448E-05	0.000203814	2918
2919	8.09199E-05	8.6464E-05	2.57601E-05	7.18442E-05	0.000192666	8.01238E-05	8.54114E-05	2.3868E-05	7.18442E-05	0.000196588	2919
2920	8.6272E-05	9.22096E-05	2.71976E-05	7.64561E-05	0.000181557	8.53815E-05	9.10354E-05	2.52296E-05	7.64561E-05	0.000184307	2920
2921	8.8724E-05	9.4795E-05	2.8322E-05	7.83828E-05	0.000173354	8.7669E-05	9.34506E-05	2.61575E-05	7.83828E-05	0.000175267	2921
2922	9.44326E-05	0.000100588	3.31882E-05	8.19507E-05	0.000168819	9.24004E-05	9.8286E-05	2.97822E-05	8.19507E-05	0.000170304	2922
2923	0.000101878	0.000107975	4.12188E-05	8.55448E-05	0.000152079	9.79585E-05	0.000103825	3.55412E-05	8.55448E-05	0.000155878	2923
2924	0.00010332	0.000109194	4.48783E-05	8.51751E-05	0.000135868	9.83856E-05	0.000104062	3.79908E-05	8.51751E-05	0.000141828	2924
2925	0.000100349	0.00010599	4.42206E-05	8.15717E-05	0.000122918	9.49845E-05	0.000100411	3.72482E-05	8.15717E-05	0.000129529	2925
2926	9.45856E-05	0.000100103	3.9692E-05	7.43849E-05	0.000111276	8.85583E-05	9.37265E-05	3.35735E-05	7.43849E-05	0.00011849	2926
2927	8.21516E-05	8.70933E-05	3.29853E-05	6.50813E-05	0.000106955	7.72498E-05	8.18579E-05	2.82237E-05	6.50813E-05	0.000113718	2927
2928	7.10477E-05	7.56454E-05	2.53047E-05	5.71425E-05	0.00010455	6.74532E-05	7.16984E-05	2.22881E-05	5.71425E-05	0.000111072	2928
2929	6.09357E-05	6.52307E-05	1.82042E-05	5.03284E-05	0.000105617	5.87275E-05	6.2661E-05	1.68791E-05	5.03284E-05	0.000112288	2929
2930	5.77196E-05	6.19964E-05	1.51686E-05	4.83725E-05	0.000107933	5.611E-05	6.00085E-05	1.46339E-05	4.83725E-05	0.000114887	2930
2931	5.83516E-05	6.27709E-05	1.43835E-05	4.98756E-05	0.000115776	5.72396E-05	6.12782E-05	1.42726E-05	4.98756E-05	0.000123613	2931
2932	6.14869E-05	6.61787E-05	1.4807E-05	5.38407E-05	0.000126984	6.09228E-05	6.52402E-05	1.49893E-05	5.38407E-05	0.000136046	2932
2933	6.64967E-05	7.15052E-05	1.66665E-05	5.88121E-05	0.000139329	6.60981E-05	7.07364E-05	1.67502E-05	5.88121E-05	0.000149711	2933
2934	7.14577E-05	7.67138E-05	1.91634E-05	6.2431E-05	0.000149815	7.05824E-05	7.54554E-05	1.8739E-05	6.2431E-05	0.000161477	2934
2935	7.22683E-05	7.73093E-05	2.21141E-05	6.29009E-05	0.000205688	7.10582E-05	7.57947E-05	2.06654E-05	6.29009E-05	0.000211062	2935
2936	7.01009E-05	7.48124E-05	2.32257E-05	6.17975E-05	0.000209226	6.91394E-05	7.364E-05	2.12571E-05	6.17975E-05	0.000215106	2936
2937	7.0513E-05	7.51848E-05	2.40319E-05	6.20586E-05	0.000212338	6.94461E-05	7.39199E-05	2.18483E-05	6.20586E-05	0.000218502	2937
2938	7.13985E-05	7.60558E-05	2.50616E-05	6.24555E-05	0.000213139	7.00874E-05	7.45526E-05	2.25818E-05	6.24555E-05	0.000219356	2938
2939	7.20205E-05	7.66698E-05	2.5763E-05	6.19972E-05	0.000213367	7.02072E-05	7.46489E-05	2.29519E-05	6.19972E-05	0.000219583	2939
2940	7.16331E-05	7.6302E-05	2.51819E-05	6.19694E-05	0.000206732	7.00029E-05	7.4462E-05	2.25621E-05	6.19694E-05	0.000214248	2940
2941	7.28529E-05	7.76267E-05	2.53573E-05	6.34784E-05	0.000204116	7.14199E-05	7.59858E-05	2.28427E-05	6.34784E-05	0.000211339	2941
2942	7.48671E-05	7.9885E-05	2.4943E-05	6.58952E-05	0.00019546	7.37823E-05	7.85758E-05	2.27841E-05	6.58952E-05	0.000201741	2942
2943	8.0603E-05	8.61217E-05	2.56962E-05	7.14915E-05	0.000190968	7.97749E-05	8.50372E-05	2.37887E-05	7.14915E-05	0.000194724	2943
2944	8.50467E-05	9.08823E-05	2.69871E-05	7.53301E-05	0.000179793	8.41367E-05	8.9696E-05	2.49913E-05	7.53301E-05	0.000182367	2944
2945	8.74535E-05	9.34193E-05	2.80996E-05	7.71884E-05	0.000171728	8.63665E-05	9.20496E-05	2.59027E-05	7.71884E-05	0.00017348	2945
2946	9.32032E-05	9.92568E-05	3.29748E-05	8.08068E-05	0.000167335	9.11452E-05	9.69357E-05	2.9539E-05	8.08068E-05	0.000168669	2946
2947	0.000100747	0.000106749	4.1025E-05	8.45091E-05	0.000150392	9.68109E-05	0.00010259	3.53223E-05	8.45091E-05	0.000154015	2947
2948	0.00010224	0.000108024	4.46915E-05	8.41743E-05	0.000134276	9.72848E-05	0.000102878	3.77783E-05	8.41743E-05	0.000140072	2948
2949	0.000100858	0.000106562	4.41043E-05	8.08218E-05	0.000121358	9.49681E-05	0.000100407	3.71068E-05	8.08218E-05	0.000127812	2949
2950	9.38418E-05	9.92974E-05	3.9563E-05	7.36933E-05	0.000109808	8.77992E-05	9.29098E-05	3.34266E-05	7.36933E-05	0.000116877	2950
2951	8.16922E-05	8.6596E-05	3.29034E-05	6.46398E-05	0.000105617	7.67746E-05	8.1347E-05	2.81288E-05	6.46398E-05	0.000112249	2951
2952	7.06646E-05	7.52306E-05	2.52367E-05	5.67758E-05	0.000103361	6.70576E-05	7.1273E-05	2.22094E-05	5.67758E-05	0.000109769	2952
2953	6.09357E-05	6.52307E-05	1.82042E-05	5.03284E-05	0.000105617	5.87275E-05	6.2661E-05	1.68791E-05	5.03284E-05	0.000112288	2953
2954	5.77196E-05	6.19964E-05	1.51686E-05	4.83725E-05	0.000107933	5.611E-05	6.00085E-05	1.46339E-05	4.83725E-05	0.000114887	2954
2955	5.83516E-05	6.27709E-05	1.43835E-05	4.98756E-05	0.000115776	5.72396E-05	6.12782E-05	1.42726E-05	4.98756E-05	0.000123613	2955

2956	6.14869E-05	6.61787E-05	1.4807E-05	5.38407E-05	0.000126984	6.09228E-05	6.52402E-05	1.49893E-05	5.38407E-05	0.000136046	2956
2957	6.64967E-05	7.15052E-05	1.66665E-05	5.88121E-05	0.000139329	6.60981E-05	7.07364E-05	1.67502E-05	5.88121E-05	0.000149711	2957
2958	7.14577E-05	7.67138E-05	1.91634E-05	6.2431E-05	0.000149815	7.05824E-05	7.54554E-05	1.8739E-05	6.2431E-05	0.000161477	2958
2959	7.22683E-05	7.73093E-05	2.21141E-05	6.29009E-05	0.000205688	7.10582E-05	7.57947E-05	2.06654E-05	6.29009E-05	0.000211062	2959
2960	7.01009E-05	7.48124E-05	2.32257E-05	6.17975E-05	0.000209226	6.91394E-05	7.364E-05	2.12571E-05	6.17975E-05	0.000215106	2960
2961	7.0513E-05	7.51848E-05	2.40319E-05	6.20586E-05	0.000212338	6.94461E-05	7.39199E-05	2.18483E-05	6.20586E-05	0.000218502	2961
2962	7.13985E-05	7.60558E-05	2.50616E-05	6.24555E-05	0.000213139	7.00874E-05	7.45526E-05	2.25818E-05	6.24555E-05	0.000219356	2962
2963	7.20205E-05	7.66698E-05	2.5763E-05	6.19972E-05	0.000213367	7.02072E-05	7.46489E-05	2.29519E-05	6.19972E-05	0.000219583	2963
2964	7.16331E-05	7.6302E-05	2.51819E-05	6.19694E-05	0.000206732	7.00029E-05	7.4462E-05	2.25621E-05	6.19694E-05	0.000214248	2964
2965	7.28529E-05	7.76267E-05	2.53573E-05	6.34784E-05	0.000204116	7.14199E-05	7.59858E-05	2.28427E-05	6.34784E-05	0.000211339	2965
2966	7.48671E-05	7.9885E-05	2.4943E-05	6.58952E-05	0.00019546	7.37823E-05	7.85758E-05	2.27841E-05	6.58952E-05	0.000201741	2966
2967	8.0603E-05	8.61217E-05	2.56962E-05	7.14915E-05	0.000190968	7.97749E-05	8.50372E-05	2.37887E-05	7.14915E-05	0.000194724	2967
2968	8.50467E-05	9.08823E-05	2.69871E-05	7.53301E-05	0.000179793	8.41367E-05	8.9696E-05	2.49913E-05	7.53301E-05	0.000182367	2968
2969	8.74535E-05	9.34193E-05	2.80996E-05	7.71884E-05	0.000171728	8.63665E-05	9.20496E-05	2.59027E-05	7.71884E-05	0.00017348	2969
2970	9.32032E-05	9.92568E-05	3.29748E-05	8.08068E-05	0.000167335	9.11452E-05	9.69357E-05	2.9539E-05	8.08068E-05	0.000168669	2970
2971	0.000100747	0.000106749	4.1025E-05	8.45091E-05	0.000150392	9.68109E-05	0.00010259	3.53223E-05	8.45091E-05	0.000154015	2971
2972	0.00010224	0.000108024	4.46915E-05	8.41743E-05	0.000134276	9.72848E-05	0.000102878	3.77783E-05	8.41743E-05	0.000140072	2972
2973	0.000100858	0.000106562	4.41043E-05	8.08218E-05	0.000121358	9.49681E-05	0.000100407	3.71068E-05	8.08218E-05	0.000127812	2973
2974	9.38418E-05	9.92974E-05	3.9563E-05	7.36933E-05	0.000109808	8.77992E-05	9.29098E-05	3.34266E-05	7.36933E-05	0.000116877	2974
2975	8.16922E-05	8.6596E-05	3.29034E-05	6.46398E-05	0.000105617	7.67746E-05	8.1347E-05	2.81288E-05	6.46398E-05	0.000112249	2975
2976	7.06646E-05	7.52306E-05	2.52367E-05	5.67758E-05	0.000103361	6.70576E-05	7.1273E-05	2.22094E-05	5.67758E-05	0.000109769	2976
2977	6.09357E-05	6.52307E-05	1.82042E-05	5.03284E-05	0.000105617	5.87275E-05	6.2661E-05	1.68791E-05	5.03284E-05	0.000112288	2977
2978	5.77196E-05	6.19964E-05	1.51686E-05	4.83725E-05	0.000107933	5.611E-05	6.00085E-05	1.46339E-05	4.83725E-05	0.000114887	2978
2979	5.83516E-05	6.27709E-05	1.43835E-05	4.98756E-05	0.000115776	5.72396E-05	6.12782E-05	1.42726E-05	4.98756E-05	0.000123613	2979
2980	6.14869E-05	6.61787E-05	1.4807E-05	5.38407E-05	0.000126984	6.09228E-05	6.52402E-05	1.49893E-05	5.38407E-05	0.000136046	2980
2981	6.64967E-05	7.15052E-05	1.66665E-05	5.88121E-05	0.000139329	6.60981E-05	7.07364E-05	1.67502E-05	5.88121E-05	0.000149711	2981
2982	7.14577E-05	7.67138E-05	1.91634E-05	6.2431E-05	0.000149815	7.05824E-05	7.54554E-05	1.8739E-05	6.2431E-05	0.000161477	2982
2983	7.22683E-05	7.73093E-05	2.21141E-05	6.29009E-05	0.000205688	7.10582E-05	7.57947E-05	2.06654E-05	6.29009E-05	0.000211062	2983
2984	7.01009E-05	7.48124E-05	2.32257E-05	6.17975E-05	0.000209226	6.91394E-05	7.364E-05	2.12571E-05	6.17975E-05	0.000215106	2984
2985	7.0513E-05	7.51848E-05	2.40319E-05	6.20586E-05	0.000212338	6.94461E-05	7.39199E-05	2.18483E-05	6.20586E-05	0.000218502	2985
2986	7.13985E-05	7.60558E-05	2.50616E-05	6.24555E-05	0.000213139	7.00874E-05	7.45526E-05	2.25818E-05	6.24555E-05	0.000219356	2986
2987	7.20205E-05	7.66698E-05	2.5763E-05	6.19972E-05	0.000213367	7.02072E-05	7.46489E-05	2.29519E-05	6.19972E-05	0.000219583	2987
2988	7.16331E-05	7.6302E-05	2.51819E-05	6.19694E-05	0.000206732	7.00029E-05	7.4462E-05	2.25621E-05	6.19694E-05	0.000214248	2988
2989	7.28529E-05	7.76267E-05	2.53573E-05	6.34784E-05	0.000204116	7.14199E-05	7.59858E-05	2.28427E-05	6.34784E-05	0.000211339	2989
2990	7.48671E-05	7.9885E-05	2.4943E-05	6.58952E-05	0.00019546	7.37823E-05	7.85758E-05	2.27841E-05	6.58952E-05	0.000201741	2990
2991	8.0603E-05	8.61217E-05	2.56962E-05	7.14915E-05	0.000190968	7.97749E-05	8.50372E-05	2.37887E-05	7.14915E-05	0.000194724	2991
2992	8.50467E-05	9.08823E-05	2.69871E-05	7.53301E-05	0.000179793	8.41367E-05	8.9696E-05	2.49913E-05	7.53301E-05	0.000182367	2992
2993	8.74535E-05	9.34193E-05	2.80996E-05	7.71884E-05	0.000171728	8.63665E-05	9.20496E-05	2.59027E-05	7.71884E-05	0.00017348	2993
2994	9.32032E-05	9.92568E-05	3.29748E-05	8.08068E-05	0.000167335	9.11452E-05	9.69357E-05	2.9539E-05	8.08068E-05	0.000168669	2994
2995	0.000100747	0.000106749	4.1025E-05	8.45091E-05	0.000150392	9.68109E-05	0.00010259	3.53223E-05	8.45091E-05	0.000154015	2995
2996	0.00010224	0.000108024	4.46915E-05	8.41743E-05	0.000134276	9.72848E-05	0.000102878	3.77783E-05	8.41743E-05	0.000140072	2996
2997	0.000100858	0.000106562	4.41043E-05	8.08218E-05	0.000121358	9.49681E-05	0.000100407	3.71068E-05	8.08218E-05	0.000127812	2997
2998	9.38418E-05	9.92974E-05	3.9563E-05	7.36933E-05	0.000109808	8.77992E-05	9.29098E-05	3.34266E-05	7.36933E-05	0.000116877	2998
2999	8.16922E-05	8.6596E-05	3.29034E-05	6.46398E-05	0.000105617	7.67746E-05	8.1347E-05	2.81288E-05	6.46398E-05	0.000112249	2999
3000	7.06646E-05	7.52306E-05	2.52367E-05	5.67758E-05	0.000103361	6.70576E-05	7.1273E-05	2.22094E-05	5.67758E-05	0.000109769	3000
3001	6.09357E-05	6.52307E-05	1.82042E-05	5.03284E-05	0.000105617	5.87275E-05	6.2661E-05	1.68791E-05	5.03284E-05	0.000112288	3001
3002	5.77196E-05	6.19964E-05	1.51686E-05	4.83725E-05	0.000107933	5.611E-05	6.00085E-05	1.46339E-05	4.83725E-05	0.000114887	3002
3003	5.83516E-05	6.27709E-05	1.43835E-05	4.98756E-05	0.000115776	5.72396E-05	6.12782E-05	1.42726E-05	4.98756E-05	0.000123613	3003
3004	6.14869E-05	6.61787E-05	1.4807E-05	5.38407E-05	0.000126984	6.09228E-05	6.52402E-05	1.49893E-05	5.38407E-05	0.000136046	3004
3005	6.64967E-05	7.15052E-05	1.66665E-05	5.88121E-05	0.000139329	6.60981E-05	7.07364E-05	1.67502E-05	5.88121E-05	0.000149711	3005
3006	7.14577E-05	7.67138E-05	1.91634E-05	6.2431E-05	0.000149815	7.05824E-05	7.54554E-05	1.8739E-05	6.2431E-05	0.000161477	3006
3007	7.22683E-05	7.73093E-05	2.21141E-05	6.29009E-05	0.000205688	7.10582E-05	7.57947E-05	2.06654E-05	6.29009E-05	0.000211062	3007
3008	7.01009E-05	7.48124E-05	2.32257E-05	6.17975E-05	0.000209226	6.91394E-05	7.364E-05	2.12571E-05	6.17975E-05	0.000215106	3008
3009	7.0513E-05	7.51848E-05	2.40319E-05	6.20586E-05	0.000212338	6.94461E-05	7.39199E-05	2.18483E-05	6.20586E-05	0.000218502	3009
3010	7.13985E-05	7.60558E-05	2.50616E-05	6.24555E-05	0.000213139	7.00874E-05	7.45526E-05	2.25818E-05	6.24555E-05	0.000219356	3010
3011	7.20205E-05	7.66698E-05	2.5763E-05	6.19972E-05	0.000213367	7.02072E-05	7.46489E-05	2.29519E-05	6.19972E-05	0.000219583	3011
3012	7.16331E-05	7.6302E-05	2.51819E-05	6.19694E-05	0.000206732	7.00029E-05	7.4462E-05	2.25621E-05	6.19694E-05	0.000214248	3012
3013	7.28529E-05	7.76267E-05	2.53573E-05	6.34784E-05	0.000204116	7.14199E-05	7.59858E-05	2.28427E-05	6.34784E-05	0.000211339	3013
3014	7.48671E-05	7.9885E-05	2.4943E-05	6.58952E-05	0.00019546	7.37823E-05	7.85758E-05	2.27841E-05	6.58952E-05	0.000201741	3014
3015	8.0603E-05	8.61217E-05	2.56962E-05	7.14915E-05	0.000190968	7.97749E-05	8.50372E-05	2.37887E-05	7.14915E-05	0.000194724	3015
3016	8.50467E-05	9.08823E-05	2.69871E-05	7.53301E-05	0.000179793	8.41367E-05	8.9696E-05	2.49913E-05	7.53301E-05	0.000182367	3016
3017	8.74535E-05	9.34193E-05	2.80996E-05	7.71884E-05	0.000171728	8.63665E-05	9.20496E-05	2.59027E-05	7.71884E-05	0.00017348	3017
3018	9.32032E-05	9.92568E-05	3.29748E-05	8.08068E-05	0.000167335	9.11452E-05	9.69357E-05	2.9539E-05	8.08068E-05	0.000168669	3018
3019	0.000100747	0.000106749	4.1025E-05	8.45091E-05	0.000150392	9.68109E-05	0.00010259	3.53223E-05	8.45091E-05	0.000154015	3019
3020	0.00010224	0.000108024	4.46915E-05	8.41743E-05	0.000134276	9.72848E-05	0.000102878	3.77783E-05	8.41743E-05	0.000140072	3020
3021	0.000100858	0.000106562	4.41043E-05	8.08218E-05	0.000121358	9.49681E-05	0.000100407	3.71068E-05	8.08218E-05	0.000127812	3021
3022	9.38418E-05	9.92974E-05	3.9563E-05	7.36933E-05	0.000109808	8.77992E-05	9.29098E-05	3.34266E-05	7.36933E-05	0.000116877	3022
3023	8.16922E-05	8.6596E-05	3.29034E-05	6.46398E-05	0.000105617	7.67746E-05	8.1347E-05	2.81288E-05	6.46398E-05	0.000112249	3023
3024	7.06646E-05	7.52306E-05	2.52367E-05	5.67758E-05	0.000103361	6.70576E-05	7.1273E-05	2.22094E-05	5.67758E-05	0.000109769	3024
3025	6.09357E-05	6.52307E-05	1.82042E-05	5.03284E-05	0.000105617	5.87275E-05	6.2661E-05	1.68791E-05	5.03284E-05	0.000112288	3025
3026	5.77196E-05	6.19964E-05	1.51686E-05	4.83725E-05	0.000107933	5.611E-05	6.00085E-05	1.46339E-05	4.83725E-05	0.000114887	3026
3027	5.83516E-05	6.27709E-05	1.43835E-05	4.98756E-05	0.000115776	5.72396E-05	6.12782E-05	1.42726E-05	4.98756E-05	0.000123613	3027
3028	6.14869E-05	6.61787E-05	1.4807E-05	5.38407E-05	0.000126984	6.09228E-05	6.52402E-05	1.49893E-05	5.38407E-05	0.000136046	3028
3029	6.64967E-05	7.15052E-05	1.66665E-05	5.88121E-05	0.000139329	6.60981E-05	7.07364E-05	1.67502E-05	5.88121E-05	0.000149711	3029
3030	7.14577E-05	7.67138E-05	1.91634E-05	6.2431E-05	0.000149815	7.05824E-05	7.54554E-05	1.8739E-05	6.2431E-05	0.000161477	3030
3031	7.22683E-05	7.73093E-05	2.21141E-05	6.29009E-05	0.000205688	7.10582E-05	7.57947E-05	2.06654E-05	6.29009E-05	0.000211062	3031

3032	7.01009E-05	7.48124E-05	2.32257E-05	6.17975E-05	0.000209226	6.91394E-05	7.364E-05	2.12571E-05	6.17975E-05	0.000215106	**3032**
3033	7.0513E-05	7.51848E-05	2.40319E-05	6.20586E-05	0.000212338	6.94461E-05	7.39199E-05	2.18483E-05	6.20586E-05	0.000218502	**3033**
3034	7.13985E-05	7.60558E-05	2.50616E-05	6.24555E-05	0.000213139	7.00874E-05	7.45526E-05	2.25818E-05	6.24555E-05	0.000219356	**3034**
3035	7.20205E-05	7.66698E-05	2.5763E-05	6.19972E-05	0.000213367	7.02072E-05	7.46489E-05	2.29519E-05	6.19972E-05	0.000219583	**3035**
3036	7.16331E-05	7.6302E-05	2.51819E-05	6.19694E-05	0.000206732	7.00029E-05	7.4462E-05	2.25621E-05	6.19694E-05	0.000214248	**3036**
3037	7.28529E-05	7.76267E-05	2.53573E-05	6.34784E-05	0.000204116	7.14199E-05	7.59858E-05	2.28427E-05	6.34784E-05	0.000211339	**3037**
3038	7.48671E-05	7.9885E-05	2.4943E-05	6.58952E-05	0.00019546	7.37823E-05	7.85758E-05	2.27841E-05	6.58952E-05	0.000201741	**3038**
3039	8.0603E-05	8.61217E-05	2.56962E-05	7.14915E-05	0.000190968	7.97749E-05	8.50372E-05	2.37887E-05	7.14915E-05	0.000194724	**3039**
3040	8.50467E-05	9.08823E-05	2.69871E-05	7.53301E-05	0.000179793	8.41367E-05	8.9696E-05	2.49913E-05	7.53301E-05	0.000182367	**3040**
3041	8.74535E-05	9.34193E-05	2.80996E-05	7.71884E-05	0.000171728	8.63665E-05	9.20496E-05	2.59027E-05	7.71884E-05	0.00017348	**3041**
3042	9.32032E-05	9.92568E-05	3.29748E-05	8.08068E-05	0.000167335	9.11452E-05	9.69357E-05	2.9539E-05	8.08068E-05	0.000168669	**3042**
3043	0.000100747	0.000106749	4.1025E-05	8.45091E-05	0.000150392	9.68109E-05	0.00010259	3.53223E-05	8.45091E-05	0.000154015	**3043**
3044	0.00010224	0.000108024	4.46915E-05	8.41743E-05	0.000134276	9.72848E-05	0.000102878	3.77783E-05	8.41743E-05	0.000140072	**3044**
3045	0.000100858	0.000106562	4.41043E-05	8.08218E-05	0.000121358	9.49681E-05	0.000100407	3.71068E-05	8.08218E-05	0.000127812	**3045**
3046	9.38418E-05	9.92974E-05	3.9563E-05	7.36933E-05	0.000109808	8.77992E-05	9.29098E-05	3.34266E-05	7.36933E-05	0.000116877	**3046**
3047	8.16922E-05	8.6596E-05	3.29034E-05	6.46398E-05	0.000105617	7.67746E-05	8.1347E-05	2.81288E-05	6.46398E-05	0.000112249	**3047**
3048	7.06646E-05	7.52306E-05	2.52367E-05	5.67758E-05	0.000103361	6.70576E-05	7.1273E-05	2.22094E-05	5.67758E-05	0.000109769	**3048**
3049	6.13397E-05	6.56678E-05	1.82788E-05	5.07329E-05	0.000104705	5.91525E-05	6.31177E-05	1.69673E-05	5.07329E-05	0.000111261	**3049**
3050	5.74694E-05	6.17248E-05	1.51315E-05	4.81803E-05	0.000108586	5.58723E-05	5.9752E-05	1.45961E-05	4.81803E-05	0.000115615	**3050**
3051	5.84288E-05	6.28541E-05	1.44013E-05	4.99756E-05	0.000116555	5.73308E-05	6.13757E-05	1.4296E-05	4.99756E-05	0.000124481	**3051**
3052	6.17948E-05	6.65117E-05	1.48653E-05	5.41585E-05	0.00012791	6.12509E-05	6.55926E-05	1.50592E-05	5.41585E-05	0.000137076	**3052**
3053	6.66872E-05	7.17103E-05	1.67114E-05	5.90659E-05	0.000140678	6.63261E-05	7.09803E-05	1.68098E-05	5.90659E-05	0.000151208	**3053**
3054	7.17618E-05	7.7042E-05	1.92284E-05	6.27927E-05	0.000151668	7.09275E-05	7.58251E-05	1.88218E-05	6.27927E-05	0.000163529	**3054**
3055	7.39992E-05	7.92039E-05	2.22169E-05	6.33329E-05	0.000208132	7.2309E-05	7.71525E-05	2.07787E-05	6.33329E-05	0.000213767	**3055**
3056	7.03487E-05	7.50812E-05	2.32649E-05	6.20035E-05	0.000211926	6.93817E-05	7.39011E-05	2.12991E-05	6.20035E-05	0.000218095	**3056**
3057	7.0687E-05	7.53741E-05	2.40538E-05	6.21671E-05	0.000215036	6.96003E-05	7.40869E-05	2.18674E-05	6.21671E-05	0.000221487	**3057**
3058	7.1452E-05	7.61134E-05	2.50741E-05	6.25262E-05	0.000215805	7.01511E-05	7.46208E-05	2.25984E-05	6.25262E-05	0.000222303	**3058**
3059	7.19758E-05	7.66216E-05	2.57534E-05	6.19437E-05	0.000215958	7.01564E-05	7.45944E-05	2.29396E-05	6.19437E-05	0.000222443	**3059**
3060	7.13851E-05	7.60334E-05	2.51377E-05	6.17312E-05	0.000209221	6.97464E-05	7.41862E-05	2.2511E-05	6.17312E-05	0.000216993	**3060**
3061	7.23891E-05	7.71244E-05	2.52767E-05	6.30465E-05	0.000206326	7.09462E-05	7.54762E-05	2.27509E-05	6.30465E-05	0.000213776	**3061**
3062	7.46434E-05	7.96418E-05	2.49131E-05	6.57448E-05	0.000197346	7.35792E-05	7.83561E-05	2.27564E-05	6.57448E-05	0.000203814	**3062**
3063	8.09199E-05	8.6464E-05	2.57601E-05	7.18442E-05	0.000192666	8.01238E-05	8.54114E-05	2.3868E-05	7.18442E-05	0.000196588	**3063**
3064	8.6272E-05	9.22096E-05	2.71976E-05	7.64561E-05	0.000181557	8.53815E-05	9.10354E-05	2.52296E-05	7.64561E-05	0.000184307	**3064**
3065	8.8724E-05	9.4795E-05	2.8322E-05	7.83828E-05	0.000173354	8.7669E-05	9.34506E-05	2.61575E-05	7.83828E-05	0.000175267	**3065**
3066	9.44326E-05	0.000100588	3.31882E-05	8.19507E-05	0.000168819	9.24004E-05	9.8286E-05	2.97822E-05	8.19507E-05	0.000170304	**3066**
3067	0.000101878	0.000107975	4.12188E-05	8.55448E-05	0.000152079	9.79585E-05	0.000103825	3.55412E-05	8.55448E-05	0.000155878	**3067**
3068	0.00010332	0.000109194	4.48783E-05	8.51751E-05	0.000135868	9.83856E-05	0.000104062	3.79908E-05	8.51751E-05	0.000141828	**3068**
3069	0.000100349	0.00010599	4.42206E-05	8.15717E-05	0.000122918	9.49845E-05	0.000100411	3.72482E-05	8.15717E-05	0.000129529	**3069**
3070	9.45856E-05	0.000100103	3.9692E-05	7.43849E-05	0.000111276	8.85583E-05	9.37265E-05	3.35735E-05	7.43849E-05	0.00011849	**3070**
3071	8.21516E-05	8.70933E-05	3.29853E-05	6.50813E-05	0.000106955	7.72498E-05	8.18579E-05	2.82237E-05	6.50813E-05	0.000113718	**3071**
3072	7.10477E-05	7.56454E-05	2.53047E-05	5.71425E-05	0.00010455	6.74532E-05	7.16984E-05	2.22881E-05	5.71425E-05	0.000111072	**3072**
3073	6.13397E-05	6.56678E-05	1.82788E-05	5.07329E-05	0.000104705	5.91525E-05	6.31177E-05	1.69673E-05	5.07329E-05	0.000111261	**3073**
3074	5.74694E-05	6.17248E-05	1.51315E-05	4.81803E-05	0.000108586	5.58723E-05	5.9752E-05	1.45961E-05	4.81803E-05	0.000115615	**3074**
3075	5.84288E-05	6.28541E-05	1.44013E-05	4.99756E-05	0.000116555	5.73308E-05	6.13757E-05	1.4296E-05	4.99756E-05	0.000124481	**3075**
3076	6.17948E-05	6.65117E-05	1.48653E-05	5.41585E-05	0.00012791	6.12509E-05	6.55926E-05	1.50592E-05	5.41585E-05	0.000137076	**3076**
3077	6.66872E-05	7.17103E-05	1.67114E-05	5.90659E-05	0.000140678	6.63261E-05	7.09803E-05	1.68098E-05	5.90659E-05	0.000151208	**3077**
3078	7.17618E-05	7.7042E-05	1.92284E-05	6.27927E-05	0.000151668	7.09275E-05	7.58251E-05	1.88218E-05	6.27927E-05	0.000163529	**3078**
3079	7.39992E-05	7.92039E-05	2.22169E-05	6.33329E-05	0.000208132	7.2309E-05	7.71525E-05	2.07787E-05	6.33329E-05	0.000213767	**3079**
3080	7.03487E-05	7.50812E-05	2.32649E-05	6.20035E-05	0.000211926	6.93817E-05	7.39011E-05	2.12991E-05	6.20035E-05	0.000218095	**3080**
3081	7.0687E-05	7.53741E-05	2.40538E-05	6.21671E-05	0.000215036	6.96003E-05	7.40869E-05	2.18674E-05	6.21671E-05	0.000221487	**3081**
3082	7.1452E-05	7.61134E-05	2.50741E-05	6.25262E-05	0.000215805	7.01511E-05	7.46208E-05	2.25984E-05	6.25262E-05	0.000222303	**3082**
3083	7.19758E-05	7.66216E-05	2.57534E-05	6.19437E-05	0.000215958	7.01564E-05	7.45944E-05	2.29396E-05	6.19437E-05	0.000222443	**3083**
3084	7.13851E-05	7.60334E-05	2.51377E-05	6.17312E-05	0.000209221	6.97464E-05	7.41862E-05	2.2511E-05	6.17312E-05	0.000216993	**3084**
3085	7.23891E-05	7.71244E-05	2.52767E-05	6.30465E-05	0.000206326	7.09462E-05	7.54762E-05	2.27509E-05	6.30465E-05	0.000213776	**3085**
3086	7.46434E-05	7.96418E-05	2.49131E-05	6.57448E-05	0.000197346	7.35792E-05	7.83561E-05	2.27564E-05	6.57448E-05	0.000203814	**3086**
3087	8.09199E-05	8.6464E-05	2.57601E-05	7.18442E-05	0.000192666	8.01238E-05	8.54114E-05	2.3868E-05	7.18442E-05	0.000196588	**3087**
3088	8.6272E-05	9.22096E-05	2.71976E-05	7.64561E-05	0.000181557	8.53815E-05	9.10354E-05	2.52296E-05	7.64561E-05	0.000184307	**3088**
3089	8.8724E-05	9.4795E-05	2.8322E-05	7.83828E-05	0.000173354	8.7669E-05	9.34506E-05	2.61575E-05	7.83828E-05	0.000175267	**3089**
3090	9.44326E-05	0.000100588	3.31882E-05	8.19507E-05	0.000168819	9.24004E-05	9.8286E-05	2.97822E-05	8.19507E-05	0.000170304	**3090**
3091	0.000101878	0.000107975	4.12188E-05	8.55448E-05	0.000152079	9.79585E-05	0.000103825	3.55412E-05	8.55448E-05	0.000155878	**3091**
3092	0.00010332	0.000109194	4.48783E-05	8.51751E-05	0.000135868	9.83856E-05	0.000104062	3.79908E-05	8.51751E-05	0.000141828	**3092**
3093	0.000100349	0.00010599	4.42206E-05	8.15717E-05	0.000122918	9.49845E-05	0.000100411	3.72482E-05	8.15717E-05	0.000129529	**3093**
3094	9.45856E-05	0.000100103	3.9692E-05	7.43849E-05	0.000111276	8.85583E-05	9.37265E-05	3.35735E-05	7.43849E-05	0.00011849	**3094**
3095	8.21516E-05	8.70933E-05	3.29853E-05	6.50813E-05	0.000106955	7.72498E-05	8.18579E-05	2.82237E-05	6.50813E-05	0.000113718	**3095**
3096	7.10477E-05	7.56454E-05	2.53047E-05	5.71425E-05	0.00010455	6.74532E-05	7.16984E-05	2.22881E-05	5.71425E-05	0.000111072	**3096**
3097	6.09357E-05	6.52307E-05	1.82042E-05	5.03284E-05	0.000105617	5.87275E-05	6.2661E-05	1.68791E-05	5.03284E-05	0.000112288	**3097**
3098	5.77196E-05	6.19964E-05	1.51686E-05	4.83725E-05	0.000107933	5.611E-05	6.00085E-05	1.46339E-05	4.83725E-05	0.000114887	**3098**
3099	5.83516E-05	6.27709E-05	1.43835E-05	4.98756E-05	0.000115776	5.72396E-05	6.12782E-05	1.42726E-05	4.98756E-05	0.000123613	**3099**
3100	6.14869E-05	6.61787E-05	1.4807E-05	5.38407E-05	0.000126984	6.09228E-05	6.52402E-05	1.49893E-05	5.38407E-05	0.000136046	**3100**
3101	6.64967E-05	7.15052E-05	1.66665E-05	5.88121E-05	0.000139329	6.60981E-05	7.07364E-05	1.67502E-05	5.88121E-05	0.000149711	**3101**
3102	7.14577E-05	7.67138E-05	1.91634E-05	6.2431E-05	0.000149815	7.05824E-05	7.54554E-05	1.8739E-05	6.2431E-05	0.000161477	**3102**
3103	7.22683E-05	7.73093E-05	2.21141E-05	6.29009E-05	0.000205688	7.10582E-05	7.57947E-05	2.06654E-05	6.29009E-05	0.000211062	**3103**
3104	7.01009E-05	7.48124E-05	2.32257E-05	6.17975E-05	0.000209226	6.91394E-05	7.364E-05	2.12571E-05	6.17975E-05	0.000215106	**3104**
3105	7.0513E-05	7.51848E-05	2.40319E-05	6.20586E-05	0.000212338	6.94461E-05	7.39199E-05	2.18483E-05	6.20586E-05	0.000218502	**3105**
3106	7.13985E-05	7.60558E-05	2.50616E-05	6.24555E-05	0.000213139	7.00874E-05	7.45526E-05	2.25818E-05	6.24555E-05	0.000219356	**3106**
3107	7.20205E-05	7.66698E-05	2.5763E-05	6.19972E-05	0.000213367	7.02072E-05	7.46489E-05	2.29519E-05	6.19972E-05	0.000219583	**3107**

3108	7.16331E-05	7.6302E-05	2.51819E-05	6.19694E-05	0.000206732	7.00029E-05	7.4462E-05	2.25621E-05	6.19694E-05	0.000214248	3108
3109	7.28529E-05	7.76267E-05	2.53573E-05	6.34784E-05	0.000204116	7.14199E-05	7.59858E-05	2.28427E-05	6.34784E-05	0.000211339	3109
3110	7.48671E-05	7.9885E-05	2.4943E-05	6.58952E-05	0.00019546	7.37823E-05	7.85758E-05	2.27841E-05	6.58952E-05	0.000201741	3110
3111	8.0603E-05	8.61217E-05	2.56962E-05	7.14915E-05	0.000190968	7.97749E-05	8.50372E-05	2.37887E-05	7.14915E-05	0.000194724	3111
3112	8.50467E-05	9.08823E-05	2.69871E-05	7.53301E-05	0.000179793	8.41367E-05	8.9696E-05	2.49913E-05	7.53301E-05	0.000182367	3112
3113	8.74535E-05	9.34193E-05	2.80996E-05	7.71884E-05	0.000171728	8.63665E-05	9.20496E-05	2.59027E-05	7.71884E-05	0.00017348	3113
3114	9.32032E-05	9.92568E-05	3.29748E-05	8.08068E-05	0.000167335	9.11452E-05	9.69357E-05	2.9539E-05	8.08068E-05	0.000168669	3114
3115	0.000100747	0.000106749	4.1025E-05	8.45091E-05	0.000150392	9.68109E-05	0.00010259	3.53223E-05	8.45091E-05	0.000154015	3115
3116	0.00010224	0.000108024	4.46915E-05	8.41743E-05	0.000134276	9.72848E-05	0.000102878	3.77783E-05	8.41743E-05	0.000140072	3116
3117	0.000100858	0.000106562	4.41043E-05	8.08218E-05	0.000121358	9.49681E-05	0.000100407	3.71068E-05	8.08218E-05	0.000127812	3117
3118	9.38418E-05	9.92974E-05	3.9563E-05	7.36933E-05	0.000109808	8.77992E-05	9.29098E-05	3.34266E-05	7.36933E-05	0.000116877	3118
3119	8.16922E-05	8.6596E-05	3.29034E-05	6.46398E-05	0.000105617	7.67746E-05	8.1347E-05	2.81288E-05	6.46398E-05	0.000112249	3119
3120	7.06646E-05	7.52306E-05	2.52367E-05	5.67758E-05	0.000103361	6.70576E-05	7.1273E-05	2.22094E-05	5.67758E-05	0.000109769	3120
3121	6.09357E-05	6.52307E-05	1.82042E-05	5.03284E-05	0.000105617	5.87275E-05	6.2661E-05	1.68791E-05	5.03284E-05	0.000112288	3121
3122	5.77196E-05	6.19964E-05	1.51686E-05	4.83725E-05	0.000107933	5.611E-05	6.00085E-05	1.46339E-05	4.83725E-05	0.000114887	3122
3123	5.83516E-05	6.27709E-05	1.43835E-05	4.98756E-05	0.000115776	5.72396E-05	6.12782E-05	1.42726E-05	4.98756E-05	0.000123613	3123
3124	6.14869E-05	6.61787E-05	1.4807E-05	5.38407E-05	0.000126984	6.09228E-05	6.52402E-05	1.49893E-05	5.38407E-05	0.000136046	3124
3125	6.64967E-05	7.15052E-05	1.66665E-05	5.88121E-05	0.000139329	6.60981E-05	7.07364E-05	1.67502E-05	5.88121E-05	0.000149711	3125
3126	7.14577E-05	7.67138E-05	1.91634E-05	6.2431E-05	0.000149815	7.05824E-05	7.54554E-05	1.8739E-05	6.2431E-05	0.000161477	3126
3127	7.22683E-05	7.73093E-05	2.21141E-05	6.29009E-05	0.000205688	7.10582E-05	7.57947E-05	2.06654E-05	6.29009E-05	0.000211062	3127
3128	7.01009E-05	7.48124E-05	2.32257E-05	6.17975E-05	0.000209226	6.91394E-05	7.364E-05	2.12571E-05	6.17975E-05	0.000215106	3128
3129	7.0513E-05	7.51848E-05	2.40319E-05	6.20586E-05	0.000212338	6.94461E-05	7.39199E-05	2.18483E-05	6.20586E-05	0.000218502	3129
3130	7.13985E-05	7.60558E-05	2.50616E-05	6.24555E-05	0.000213139	7.00874E-05	7.45526E-05	2.25818E-05	6.24555E-05	0.000219356	3130
3131	7.20205E-05	7.66698E-05	2.5763E-05	6.19972E-05	0.000213367	7.02072E-05	7.46489E-05	2.29519E-05	6.19972E-05	0.000219583	3131
3132	7.16331E-05	7.6302E-05	2.51819E-05	6.19694E-05	0.000206732	7.00029E-05	7.4462E-05	2.25621E-05	6.19694E-05	0.000214248	3132
3133	7.28529E-05	7.76267E-05	2.53573E-05	6.34784E-05	0.000204116	7.14199E-05	7.59858E-05	2.28427E-05	6.34784E-05	0.000211339	3133
3134	7.48671E-05	7.9885E-05	2.4943E-05	6.58952E-05	0.00019546	7.37823E-05	7.85758E-05	2.27841E-05	6.58952E-05	0.000201741	3134
3135	8.0603E-05	8.61217E-05	2.56962E-05	7.14915E-05	0.000190968	7.97749E-05	8.50372E-05	2.37887E-05	7.14915E-05	0.000194724	3135
3136	8.50467E-05	9.08823E-05	2.69871E-05	7.53301E-05	0.000179793	8.41367E-05	8.9696E-05	2.49913E-05	7.53301E-05	0.000182367	3136
3137	8.74535E-05	9.34193E-05	2.80996E-05	7.71884E-05	0.000171728	8.63665E-05	9.20496E-05	2.59027E-05	7.71884E-05	0.00017348	3137
3138	9.32032E-05	9.92568E-05	3.29748E-05	8.08068E-05	0.000167335	9.11452E-05	9.69357E-05	2.9539E-05	8.08068E-05	0.000168669	3138
3139	0.000100747	0.000106749	4.1025E-05	8.45091E-05	0.000150392	9.68109E-05	0.00010259	3.53223E-05	8.45091E-05	0.000154015	3139
3140	0.00010224	0.000108024	4.46915E-05	8.41743E-05	0.000134276	9.72848E-05	0.000102878	3.77783E-05	8.41743E-05	0.000140072	3140
3141	0.000100858	0.000106562	4.41043E-05	8.08218E-05	0.000121358	9.49681E-05	0.000100407	3.71068E-05	8.08218E-05	0.000127812	3141
3142	9.38418E-05	9.92974E-05	3.9563E-05	7.36933E-05	0.000109808	8.77992E-05	9.29098E-05	3.34266E-05	7.36933E-05	0.000116877	3142
3143	8.16922E-05	8.6596E-05	3.29034E-05	6.46398E-05	0.000105617	7.67746E-05	8.1347E-05	2.81288E-05	6.46398E-05	0.000112249	3143
3144	7.06646E-05	7.52306E-05	2.52367E-05	5.67758E-05	0.000103361	6.70576E-05	7.1273E-05	2.22094E-05	5.67758E-05	0.000109769	3144
3145	6.09357E-05	6.52307E-05	1.82042E-05	5.03284E-05	0.000105617	5.87275E-05	6.2661E-05	1.68791E-05	5.03284E-05	0.000112288	3145
3146	5.77196E-05	6.19964E-05	1.51686E-05	4.83725E-05	0.000107933	5.611E-05	6.00085E-05	1.46339E-05	4.83725E-05	0.000114887	3146
3147	5.83516E-05	6.27709E-05	1.43835E-05	4.98756E-05	0.000115776	5.72396E-05	6.12782E-05	1.42726E-05	4.98756E-05	0.000123613	3147
3148	6.14869E-05	6.61787E-05	1.4807E-05	5.38407E-05	0.000126984	6.09228E-05	6.52402E-05	1.49893E-05	5.38407E-05	0.000136046	3148
3149	6.64967E-05	7.15052E-05	1.66665E-05	5.88121E-05	0.000139329	6.60981E-05	7.07364E-05	1.67502E-05	5.88121E-05	0.000149711	3149
3150	7.14577E-05	7.67138E-05	1.91634E-05	6.2431E-05	0.000149815	7.05824E-05	7.54554E-05	1.8739E-05	6.2431E-05	0.000161477	3150
3151	7.22683E-05	7.73093E-05	2.21141E-05	6.29009E-05	0.000205688	7.10582E-05	7.57947E-05	2.06654E-05	6.29009E-05	0.000211062	3151
3152	7.01009E-05	7.48124E-05	2.32257E-05	6.17975E-05	0.000209226	6.91394E-05	7.364E-05	2.12571E-05	6.17975E-05	0.000215106	3152
3153	7.0513E-05	7.51848E-05	2.40319E-05	6.20586E-05	0.000212338	6.94461E-05	7.39199E-05	2.18483E-05	6.20586E-05	0.000218502	3153
3154	7.13985E-05	7.60558E-05	2.50616E-05	6.24555E-05	0.000213139	7.00874E-05	7.45526E-05	2.25818E-05	6.24555E-05	0.000219356	3154
3155	7.20205E-05	7.66698E-05	2.5763E-05	6.19972E-05	0.000213367	7.02072E-05	7.46489E-05	2.29519E-05	6.19972E-05	0.000219583	3155
3156	7.16331E-05	7.6302E-05	2.51819E-05	6.19694E-05	0.000206732	7.00029E-05	7.4462E-05	2.25621E-05	6.19694E-05	0.000214248	3156
3157	7.28529E-05	7.76267E-05	2.53573E-05	6.34784E-05	0.000204116	7.14199E-05	7.59858E-05	2.28427E-05	6.34784E-05	0.000211339	3157
3158	7.48671E-05	7.9885E-05	2.4943E-05	6.58952E-05	0.00019546	7.37823E-05	7.85758E-05	2.27841E-05	6.58952E-05	0.000201741	3158
3159	8.0603E-05	8.61217E-05	2.56962E-05	7.14915E-05	0.000190968	7.97749E-05	8.50372E-05	2.37887E-05	7.14915E-05	0.000194724	3159
3160	8.50467E-05	9.08823E-05	2.69871E-05	7.53301E-05	0.000179793	8.41367E-05	8.9696E-05	2.49913E-05	7.53301E-05	0.000182367	3160
3161	8.74535E-05	9.34193E-05	2.80996E-05	7.71884E-05	0.000171728	8.63665E-05	9.20496E-05	2.59027E-05	7.71884E-05	0.00017348	3161
3162	9.32032E-05	9.92568E-05	3.29748E-05	8.08068E-05	0.000167335	9.11452E-05	9.69357E-05	2.9539E-05	8.08068E-05	0.000168669	3162
3163	0.000100747	0.000106749	4.1025E-05	8.45091E-05	0.000150392	9.68109E-05	0.00010259	3.53223E-05	8.45091E-05	0.000154015	3163
3164	0.00010224	0.000108024	4.46915E-05	8.41743E-05	0.000134276	9.72848E-05	0.000102878	3.77783E-05	8.41743E-05	0.000140072	3164
3165	0.000100858	0.000106562	4.41043E-05	8.08218E-05	0.000121358	9.49681E-05	0.000100407	3.71068E-05	8.08218E-05	0.000127812	3165
3166	9.38418E-05	9.92974E-05	3.9563E-05	7.36933E-05	0.000109808	8.77992E-05	9.29098E-05	3.34266E-05	7.36933E-05	0.000116877	3166
3167	8.16922E-05	8.6596E-05	3.29034E-05	6.46398E-05	0.000105617	7.67746E-05	8.1347E-05	2.81288E-05	6.46398E-05	0.000112249	3167
3168	7.06646E-05	7.52306E-05	2.52367E-05	5.67758E-05	0.000103361	6.70576E-05	7.1273E-05	2.22094E-05	5.67758E-05	0.000109769	3168
3169	6.09357E-05	6.52307E-05	1.82042E-05	5.03284E-05	0.000105617	5.87275E-05	6.2661E-05	1.68791E-05	5.03284E-05	0.000112288	3169
3170	5.77196E-05	6.19964E-05	1.51686E-05	4.83725E-05	0.000107933	5.611E-05	6.00085E-05	1.46339E-05	4.83725E-05	0.000114887	3170
3171	5.83516E-05	6.27709E-05	1.43835E-05	4.98756E-05	0.000115776	5.72396E-05	6.12782E-05	1.42726E-05	4.98756E-05	0.000123613	3171
3172	6.14869E-05	6.61787E-05	1.4807E-05	5.38407E-05	0.000126984	6.09228E-05	6.52402E-05	1.49893E-05	5.38407E-05	0.000136046	3172
3173	6.64967E-05	7.15052E-05	1.66665E-05	5.88121E-05	0.000139329	6.60981E-05	7.07364E-05	1.67502E-05	5.88121E-05	0.000149711	3173
3174	7.14577E-05	7.67138E-05	1.91634E-05	6.2431E-05	0.000149815	7.05824E-05	7.54554E-05	1.8739E-05	6.2431E-05	0.000161477	3174
3175	7.22683E-05	7.73093E-05	2.21141E-05	6.29009E-05	0.000205688	7.10582E-05	7.57947E-05	2.06654E-05	6.29009E-05	0.000211062	3175
3176	7.01009E-05	7.48124E-05	2.32257E-05	6.17975E-05	0.000209226	6.91394E-05	7.364E-05	2.12571E-05	6.17975E-05	0.000215106	3176
3177	7.0513E-05	7.51848E-05	2.40319E-05	6.20586E-05	0.000212338	6.94461E-05	7.39199E-05	2.18483E-05	6.20586E-05	0.000218502	3177
3178	7.13985E-05	7.60558E-05	2.50616E-05	6.24555E-05	0.000213139	7.00874E-05	7.45526E-05	2.25818E-05	6.24555E-05	0.000219356	3178
3179	7.20205E-05	7.66698E-05	2.5763E-05	6.19972E-05	0.000213367	7.02072E-05	7.46489E-05	2.29519E-05	6.19972E-05	0.000219583	3179
3180	7.16331E-05	7.6302E-05	2.51819E-05	6.19694E-05	0.000206732	7.00029E-05	7.4462E-05	2.25621E-05	6.19694E-05	0.000214248	3180
3181	7.28529E-05	7.76267E-05	2.53573E-05	6.34784E-05	0.000204116	7.14199E-05	7.59858E-05	2.28427E-05	6.34784E-05	0.000211339	3181
3182	7.48671E-05	7.9885E-05	2.4943E-05	6.58952E-05	0.00019546	7.37823E-05	7.85758E-05	2.27841E-05	6.58952E-05	0.000201741	3182
3183	8.0603E-05	8.61217E-05	2.56962E-05	7.14915E-05	0.000190968	7.97749E-05	8.50372E-05	2.37887E-05	7.14915E-05	0.000194724	3183

3184	8.50467E-05	9.08823E-05	2.69871E-05	7.53301E-05	0.000179793	8.41367E-05	8.9696E-05	2.49913E-05	7.53301E-05	0.000182367	3184
3185	8.74535E-05	9.34193E-05	2.80996E-05	7.71884E-05	0.000171728	8.63665E-05	9.20496E-05	2.59027E-05	7.71884E-05	0.00017348	3185
3186	9.32032E-05	9.92568E-05	3.29748E-05	8.08068E-05	0.000167335	9.11452E-05	9.69357E-05	2.9539E-05	8.08068E-05	0.000168669	3186
3187	0.000100747	0.000106749	4.1025E-05	8.45091E-05	0.000150392	9.68109E-05	0.00010259	3.53223E-05	8.45091E-05	0.000154015	3187
3188	0.00010224	0.000108024	4.46915E-05	8.41743E-05	0.000134276	9.72848E-05	0.000102878	3.77783E-05	8.41743E-05	0.000140072	3188
3189	0.000100858	0.000106562	4.41043E-05	8.08218E-05	0.000121358	9.49681E-05	0.000100407	3.71068E-05	8.08218E-05	0.000127812	3189
3190	9.38418E-05	9.92974E-05	3.9563E-05	7.36933E-05	0.000109808	8.77992E-05	9.29098E-05	3.34266E-05	7.36933E-05	0.000116877	3190
3191	8.16922E-05	8.6596E-05	3.29034E-05	6.46398E-05	0.000105617	7.67746E-05	8.1347E-05	2.81288E-05	6.46398E-05	0.000112249	3191
3192	7.06646E-05	7.52306E-05	2.52367E-05	5.67758E-05	0.000103361	6.70576E-05	7.1273E-05	2.22094E-05	5.67758E-05	0.000109769	3192
3193	6.09357E-05	6.52307E-05	1.82042E-05	5.03284E-05	0.000105617	5.87275E-05	6.2661E-05	1.68791E-05	5.03284E-05	0.000112288	3193
3194	5.77196E-05	6.19964E-05	1.51686E-05	4.83725E-05	0.000107933	5.611E-05	6.00085E-05	1.46339E-05	4.83725E-05	0.000114887	3194
3195	5.83516E-05	6.27709E-05	1.43835E-05	4.98756E-05	0.000115776	5.72396E-05	6.12782E-05	1.42726E-05	4.98756E-05	0.000123613	3195
3196	6.14869E-05	6.61787E-05	1.4807E-05	5.38407E-05	0.000126984	6.09228E-05	6.52402E-05	1.49893E-05	5.38407E-05	0.000136046	3196
3197	6.64967E-05	7.15052E-05	1.66665E-05	5.88121E-05	0.000139329	6.60981E-05	7.07364E-05	1.67502E-05	5.88121E-05	0.000149711	3197
3198	7.14577E-05	7.67138E-05	1.91634E-05	6.2431E-05	0.000149815	7.05824E-05	7.54554E-05	1.8739E-05	6.2431E-05	0.000161477	3198
3199	7.22683E-05	7.73093E-05	2.21141E-05	6.29009E-05	0.000205688	7.10582E-05	7.57947E-05	2.06654E-05	6.29009E-05	0.000211062	3199
3200	7.01009E-05	7.48124E-05	2.32257E-05	6.17975E-05	0.000209226	6.91394E-05	7.364E-05	2.12571E-05	6.17975E-05	0.000215106	3200
3201	7.0513E-05	7.51848E-05	2.40319E-05	6.20586E-05	0.000212338	6.94461E-05	7.39199E-05	2.18483E-05	6.20586E-05	0.000218502	3201
3202	7.13985E-05	7.60558E-05	2.50616E-05	6.24555E-05	0.000213139	7.00874E-05	7.45526E-05	2.25818E-05	6.24555E-05	0.000219356	3202
3203	7.20205E-05	7.66698E-05	2.5763E-05	6.19972E-05	0.000213367	7.02072E-05	7.46489E-05	2.29519E-05	6.19972E-05	0.000219583	3203
3204	7.16331E-05	7.6302E-05	2.51819E-05	6.19694E-05	0.000206732	7.00029E-05	7.4462E-05	2.25621E-05	6.19694E-05	0.000214248	3204
3205	7.28529E-05	7.76267E-05	2.53573E-05	6.34784E-05	0.000204116	7.14199E-05	7.59858E-05	2.28427E-05	6.34784E-05	0.000211339	3205
3206	7.48671E-05	7.9885E-05	2.4943E-05	6.58952E-05	0.00019546	7.37823E-05	7.85758E-05	2.27841E-05	6.58952E-05	0.000201741	3206
3207	8.0603E-05	8.61217E-05	2.56962E-05	7.14915E-05	0.000190968	7.97749E-05	8.50372E-05	2.37887E-05	7.14915E-05	0.000194724	3207
3208	8.50467E-05	9.08823E-05	2.69871E-05	7.53301E-05	0.000179793	8.41367E-05	8.9696E-05	2.49913E-05	7.53301E-05	0.000182367	3208
3209	8.74535E-05	9.34193E-05	2.80996E-05	7.71884E-05	0.000171728	8.63665E-05	9.20496E-05	2.59027E-05	7.71884E-05	0.00017348	3209
3210	9.32032E-05	9.92568E-05	3.29748E-05	8.08068E-05	0.000167335	9.11452E-05	9.69357E-05	2.9539E-05	8.08068E-05	0.000168669	3210
3211	0.000100747	0.000106749	4.1025E-05	8.45091E-05	0.000150392	9.68109E-05	0.00010259	3.53223E-05	8.45091E-05	0.000154015	3211
3212	0.00010224	0.000108024	4.46915E-05	8.41743E-05	0.000134276	9.72848E-05	0.000102878	3.77783E-05	8.41743E-05	0.000140072	3212
3213	0.000100858	0.000106562	4.41043E-05	8.08218E-05	0.000121358	9.49681E-05	0.000100407	3.71068E-05	8.08218E-05	0.000127812	3213
3214	9.38418E-05	9.92974E-05	3.9563E-05	7.36933E-05	0.000109808	8.77992E-05	9.29098E-05	3.34266E-05	7.36933E-05	0.000116877	3214
3215	8.16922E-05	8.6596E-05	3.29034E-05	6.46398E-05	0.000105617	7.67746E-05	8.1347E-05	2.81288E-05	6.46398E-05	0.000112249	3215
3216	7.06646E-05	7.52306E-05	2.52367E-05	5.67758E-05	0.000103361	6.70576E-05	7.1273E-05	2.22094E-05	5.67758E-05	0.000109769	3216
3217	6.13397E-05	6.56678E-05	1.82788E-05	5.07329E-05	0.000104705	5.91525E-05	6.31177E-05	1.69673E-05	5.07329E-05	0.000111261	3217
3218	5.74694E-05	6.17248E-05	1.51315E-05	4.81803E-05	0.000108586	5.58723E-05	5.9752E-05	1.45961E-05	4.81803E-05	0.000115615	3218
3219	5.84288E-05	6.28541E-05	1.44013E-05	4.99756E-05	0.000116555	5.73308E-05	6.13757E-05	1.4296E-05	4.99756E-05	0.000124481	3219
3220	6.17948E-05	6.65117E-05	1.48653E-05	5.41585E-05	0.00012791	6.12509E-05	6.55926E-05	1.50592E-05	5.41585E-05	0.000137076	3220
3221	6.66872E-05	7.17103E-05	1.67114E-05	5.90659E-05	0.000140678	6.63261E-05	7.09803E-05	1.68098E-05	5.90659E-05	0.000151208	3221
3222	7.17618E-05	7.7042E-05	1.92284E-05	6.27927E-05	0.000151668	7.09275E-05	7.58251E-05	1.88218E-05	6.27927E-05	0.000163529	3222
3223	7.39992E-05	7.92039E-05	2.22169E-05	6.33329E-05	0.000208132	7.2309E-05	7.71525E-05	2.07787E-05	6.33329E-05	0.000213767	3223
3224	7.03487E-05	7.50812E-05	2.32649E-05	6.20035E-05	0.000211926	6.93817E-05	7.39011E-05	2.12991E-05	6.20035E-05	0.000218095	3224
3225	7.0687E-05	7.53741E-05	2.40538E-05	6.21671E-05	0.000215036	6.96003E-05	7.40869E-05	2.18674E-05	6.21671E-05	0.000221487	3225
3226	7.1452E-05	7.61134E-05	2.50741E-05	6.25262E-05	0.000215805	7.01511E-05	7.46208E-05	2.25984E-05	6.25262E-05	0.000222303	3226
3227	7.19758E-05	7.66216E-05	2.57534E-05	6.19437E-05	0.000215958	7.01564E-05	7.45944E-05	2.29396E-05	6.19437E-05	0.000222443	3227
3228	7.13851E-05	7.60334E-05	2.51377E-05	6.17312E-05	0.000209221	6.97464E-05	7.41862E-05	2.2511E-05	6.17312E-05	0.000216993	3228
3229	7.23891E-05	7.71244E-05	2.52767E-05	6.30465E-05	0.000206326	7.09462E-05	7.54762E-05	2.27509E-05	6.30465E-05	0.000213776	3229
3230	7.46434E-05	7.96418E-05	2.49131E-05	6.57448E-05	0.000197346	7.35792E-05	7.83561E-05	2.27564E-05	6.57448E-05	0.000203814	3230
3231	8.09199E-05	8.6464E-05	2.57601E-05	7.18442E-05	0.000192666	8.01238E-05	8.54114E-05	2.3868E-05	7.18442E-05	0.000196588	3231
3232	8.6272E-05	9.22096E-05	2.71976E-05	7.64561E-05	0.000181557	8.53815E-05	9.10354E-05	2.52296E-05	7.64561E-05	0.000184307	3232
3233	8.8724E-05	9.4795E-05	2.8322E-05	7.83828E-05	0.000173354	8.7669E-05	9.34506E-05	2.61575E-05	7.83828E-05	0.000175267	3233
3234	9.44326E-05	0.000100588	3.31882E-05	8.19507E-05	0.000168819	9.24004E-05	9.8286E-05	2.97822E-05	8.19507E-05	0.000170304	3234
3235	0.000101878	0.000107975	4.12188E-05	8.55448E-05	0.000152079	9.79585E-05	0.000103825	3.55412E-05	8.55448E-05	0.000155878	3235
3236	0.00010332	0.000109194	4.48783E-05	8.51751E-05	0.000135868	9.83856E-05	0.000104062	3.79908E-05	8.51751E-05	0.000141828	3236
3237	0.000100349	0.00010599	4.42206E-05	8.15717E-05	0.000122918	9.49845E-05	0.000100411	3.72482E-05	8.15717E-05	0.000129529	3237
3238	9.45856E-05	0.000100103	3.9692E-05	7.43849E-05	0.000111276	8.85583E-05	9.37265E-05	3.35735E-05	7.43849E-05	0.00011849	3238
3239	8.21516E-05	8.70933E-05	3.29853E-05	6.50813E-05	0.000106955	7.72498E-05	8.18579E-05	2.82237E-05	6.50813E-05	0.000113718	3239
3240	7.10477E-05	7.56454E-05	2.53047E-05	5.71425E-05	0.00010455	6.74532E-05	7.16984E-05	2.22881E-05	5.71425E-05	0.000111072	3240
3241	6.13397E-05	6.56678E-05	1.82788E-05	5.07329E-05	0.000104705	5.91525E-05	6.31177E-05	1.69673E-05	5.07329E-05	0.000111261	3241
3242	5.74694E-05	6.17248E-05	1.51315E-05	4.81803E-05	0.000108586	5.58723E-05	5.9752E-05	1.45961E-05	4.81803E-05	0.000115615	3242
3243	5.84288E-05	6.28541E-05	1.44013E-05	4.99756E-05	0.000116555	5.73308E-05	6.13757E-05	1.4296E-05	4.99756E-05	0.000124481	3243
3244	6.17948E-05	6.65117E-05	1.48653E-05	5.41585E-05	0.00012791	6.12509E-05	6.55926E-05	1.50592E-05	5.41585E-05	0.000137076	3244
3245	6.66872E-05	7.17103E-05	1.67114E-05	5.90659E-05	0.000140678	6.63261E-05	7.09803E-05	1.68098E-05	5.90659E-05	0.000151208	3245
3246	7.17618E-05	7.7042E-05	1.92284E-05	6.27927E-05	0.000151668	7.09275E-05	7.58251E-05	1.88218E-05	6.27927E-05	0.000163529	3246
3247	7.39992E-05	7.92039E-05	2.22169E-05	6.33329E-05	0.000208132	7.2309E-05	7.71525E-05	2.07787E-05	6.33329E-05	0.000213767	3247
3248	7.03487E-05	7.50812E-05	2.32649E-05	6.20035E-05	0.000211926	6.93817E-05	7.39011E-05	2.12991E-05	6.20035E-05	0.000218095	3248
3249	7.0687E-05	7.53741E-05	2.40538E-05	6.21671E-05	0.000215036	6.96003E-05	7.40869E-05	2.18674E-05	6.21671E-05	0.000221487	3249
3250	7.1452E-05	7.61134E-05	2.50741E-05	6.25262E-05	0.000215805	7.01511E-05	7.46208E-05	2.25984E-05	6.25262E-05	0.000222303	3250
3251	7.19758E-05	7.66216E-05	2.57534E-05	6.19437E-05	0.000215958	7.01564E-05	7.45944E-05	2.29396E-05	6.19437E-05	0.000222443	3251
3252	7.13851E-05	7.60334E-05	2.51377E-05	6.17312E-05	0.000209221	6.97464E-05	7.41862E-05	2.2511E-05	6.17312E-05	0.000216993	3252
3253	7.23891E-05	7.71244E-05	2.52767E-05	6.30465E-05	0.000206326	7.09462E-05	7.54762E-05	2.27509E-05	6.30465E-05	0.000213776	3253
3254	7.46434E-05	7.96418E-05	2.49131E-05	6.57448E-05	0.000197346	7.35792E-05	7.83561E-05	2.27564E-05	6.57448E-05	0.000203814	3254
3255	8.09199E-05	8.6464E-05	2.57601E-05	7.18442E-05	0.000192666	8.01238E-05	8.54114E-05	2.3868E-05	7.18442E-05	0.000196588	3255
3256	8.6272E-05	9.22096E-05	2.71976E-05	7.64561E-05	0.000181557	8.53815E-05	9.10354E-05	2.52296E-05	7.64561E-05	0.000184307	3256
3257	8.8724E-05	9.4795E-05	2.8322E-05	7.83828E-05	0.000173354	8.7669E-05	9.34506E-05	2.61575E-05	7.83828E-05	0.000175267	3257
3258	9.44326E-05	0.000100588	3.31882E-05	8.19507E-05	0.000168819	9.24004E-05	9.8286E-05	2.97822E-05	8.19507E-05	0.000170304	3258
3259	0.000101878	0.000107975	4.12188E-05	8.55448E-05	0.000152079	9.79585E-05	0.000103825	3.55412E-05	8.55448E-05	0.000155878	3259

3260	0.00010332	0.000109194	4.48783E-05	8.51751E-05	0.000135868	9.83856E-05	0.000104062	3.79908E-05	8.51751E-05	0.000141828	3260
3261	0.000100349	0.00010599	4.42206E-05	8.15717E-05	0.000122918	9.49845E-05	0.000100411	3.72482E-05	8.15717E-05	0.000129529	3261
3262	9.45856E-05	0.000100103	3.9692E-05	7.43849E-05	0.000111276	8.85583E-05	9.37265E-05	3.35735E-05	7.43849E-05	0.00011849	3262
3263	8.21516E-05	8.70933E-05	3.29853E-05	6.50813E-05	0.000106955	7.72498E-05	8.18579E-05	2.82237E-05	6.50813E-05	0.000113718	3263
3264	7.10477E-05	7.56454E-05	2.53047E-05	5.71425E-05	0.00010455	6.74532E-05	7.16984E-05	2.22881E-05	5.71425E-05	0.000111072	3264
3265	6.09357E-05	6.52307E-05	1.82042E-05	5.03284E-05	0.000105617	5.87275E-05	6.2661E-05	1.68791E-05	5.03284E-05	0.000112288	3265
3266	5.77196E-05	6.19964E-05	1.51686E-05	4.83725E-05	0.000107933	5.611E-05	6.00085E-05	1.46339E-05	4.83725E-05	0.000114887	3266
3267	5.83516E-05	6.27709E-05	1.43835E-05	4.98756E-05	0.000115776	5.72396E-05	6.12782E-05	1.42726E-05	4.98756E-05	0.000123613	3267
3268	6.14869E-05	6.61787E-05	1.4807E-05	5.38407E-05	0.000126984	6.09228E-05	6.52402E-05	1.49893E-05	5.38407E-05	0.000136046	3268
3269	6.64967E-05	7.15052E-05	1.66665E-05	5.88121E-05	0.000139329	6.60981E-05	7.07364E-05	1.67502E-05	5.88121E-05	0.000149711	3269
3270	7.14577E-05	7.67138E-05	1.91634E-05	6.2431E-05	0.000149815	7.05824E-05	7.54554E-05	1.8739E-05	6.2431E-05	0.000161477	3270
3271	7.22683E-05	7.73093E-05	2.21141E-05	6.29009E-05	0.000205688	7.10582E-05	7.57947E-05	2.06654E-05	6.29009E-05	0.000211062	3271
3272	7.01009E-05	7.48124E-05	2.32257E-05	6.17975E-05	0.000209226	6.91394E-05	7.364E-05	2.12571E-05	6.17975E-05	0.000215106	3272
3273	7.0513E-05	7.51848E-05	2.40319E-05	6.20586E-05	0.000212338	6.94461E-05	7.39199E-05	2.18483E-05	6.20586E-05	0.000218502	3273
3274	7.13985E-05	7.60558E-05	2.50616E-05	6.24555E-05	0.000213139	7.00874E-05	7.45526E-05	2.25818E-05	6.24555E-05	0.000219356	3274
3275	7.20205E-05	7.66698E-05	2.5763E-05	6.19972E-05	0.000213367	7.02072E-05	7.46489E-05	2.29519E-05	6.19972E-05	0.000219583	3275
3276	7.16331E-05	7.6302E-05	2.51819E-05	6.19694E-05	0.000206732	7.00029E-05	7.4462E-05	2.25621E-05	6.19694E-05	0.000214248	3276
3277	7.28529E-05	7.76267E-05	2.53573E-05	6.34784E-05	0.000204116	7.14199E-05	7.59858E-05	2.28427E-05	6.34784E-05	0.000211339	3277
3278	7.48671E-05	7.9885E-05	2.4943E-05	6.58952E-05	0.00019546	7.37823E-05	7.85758E-05	2.27841E-05	6.58952E-05	0.000201741	3278
3279	8.0603E-05	8.61217E-05	2.56962E-05	7.14915E-05	0.000190968	7.97749E-05	8.50372E-05	2.37887E-05	7.14915E-05	0.000194724	3279
3280	8.50467E-05	9.08823E-05	2.69871E-05	7.53301E-05	0.000179793	8.41367E-05	8.9696E-05	2.49913E-05	7.53301E-05	0.000182367	3280
3281	8.74535E-05	9.34193E-05	2.80996E-05	7.71884E-05	0.000171728	8.63665E-05	9.20496E-05	2.59027E-05	7.71884E-05	0.00017348	3281
3282	9.32032E-05	9.92568E-05	3.29748E-05	8.08068E-05	0.000167335	9.11452E-05	9.69357E-05	2.9539E-05	8.08068E-05	0.000168669	3282
3283	0.000100747	0.000106749	4.1025E-05	8.45091E-05	0.000150392	9.68109E-05	0.00010259	3.53223E-05	8.45091E-05	0.000154015	3283
3284	0.00010224	0.000108024	4.46915E-05	8.41743E-05	0.000134276	9.72848E-05	0.000102878	3.77783E-05	8.41743E-05	0.000140072	3284
3285	0.000100858	0.000106562	4.41043E-05	8.08218E-05	0.000121358	9.49681E-05	0.000100407	3.71068E-05	8.08218E-05	0.000127812	3285
3286	9.38418E-05	9.92974E-05	3.9563E-05	7.36933E-05	0.000109808	8.77992E-05	9.29098E-05	3.34266E-05	7.36933E-05	0.000116877	3286
3287	8.16922E-05	8.6596E-05	3.29034E-05	6.46398E-05	0.000105617	7.67746E-05	8.1347E-05	2.81288E-05	6.46398E-05	0.000112249	3287
3288	7.06646E-05	7.52306E-05	2.52367E-05	5.67758E-05	0.000103361	6.70576E-05	7.1273E-05	2.22094E-05	5.67758E-05	0.000109769	3288
3289	6.09357E-05	6.52307E-05	1.82042E-05	5.03284E-05	0.000105617	5.87275E-05	6.2661E-05	1.68791E-05	5.03284E-05	0.000112288	3289
3290	5.77196E-05	6.19964E-05	1.51686E-05	4.83725E-05	0.000107933	5.611E-05	6.00085E-05	1.46339E-05	4.83725E-05	0.000114887	3290
3291	5.83516E-05	6.27709E-05	1.43835E-05	4.98756E-05	0.000115776	5.72396E-05	6.12782E-05	1.42726E-05	4.98756E-05	0.000123613	3291
3292	6.14869E-05	6.61787E-05	1.4807E-05	5.38407E-05	0.000126984	6.09228E-05	6.52402E-05	1.49893E-05	5.38407E-05	0.000136046	3292
3293	6.64967E-05	7.15052E-05	1.66665E-05	5.88121E-05	0.000139329	6.60981E-05	7.07364E-05	1.67502E-05	5.88121E-05	0.000149711	3293
3294	7.14577E-05	7.67138E-05	1.91634E-05	6.2431E-05	0.000149815	7.05824E-05	7.54554E-05	1.8739E-05	6.2431E-05	0.000161477	3294
3295	7.22683E-05	7.73093E-05	2.21141E-05	6.29009E-05	0.000205688	7.10582E-05	7.57947E-05	2.06654E-05	6.29009E-05	0.000211062	3295
3296	7.01009E-05	7.48124E-05	2.32257E-05	6.17975E-05	0.000209226	6.91394E-05	7.364E-05	2.12571E-05	6.17975E-05	0.000215106	3296
3297	7.0513E-05	7.51848E-05	2.40319E-05	6.20586E-05	0.000212338	6.94461E-05	7.39199E-05	2.18483E-05	6.20586E-05	0.000218502	3297
3298	7.13985E-05	7.60558E-05	2.50616E-05	6.24555E-05	0.000213139	7.00874E-05	7.45526E-05	2.25818E-05	6.24555E-05	0.000219356	3298
3299	7.20205E-05	7.66698E-05	2.5763E-05	6.19972E-05	0.000213367	7.02072E-05	7.46489E-05	2.29519E-05	6.19972E-05	0.000219583	3299
3300	7.16331E-05	7.6302E-05	2.51819E-05	6.19694E-05	0.000206732	7.00029E-05	7.4462E-05	2.25621E-05	6.19694E-05	0.000214248	3300
3301	7.28529E-05	7.76267E-05	2.53573E-05	6.34784E-05	0.000204116	7.14199E-05	7.59858E-05	2.28427E-05	6.34784E-05	0.000211339	3301
3302	7.48671E-05	7.9885E-05	2.4943E-05	6.58952E-05	0.00019546	7.37823E-05	7.85758E-05	2.27841E-05	6.58952E-05	0.000201741	3302
3303	8.0603E-05	8.61217E-05	2.56962E-05	7.14915E-05	0.000190968	7.97749E-05	8.50372E-05	2.37887E-05	7.14915E-05	0.000194724	3303
3304	8.50467E-05	9.08823E-05	2.69871E-05	7.53301E-05	0.000179793	8.41367E-05	8.9696E-05	2.49913E-05	7.53301E-05	0.000182367	3304
3305	8.74535E-05	9.34193E-05	2.80996E-05	7.71884E-05	0.000171728	8.63665E-05	9.20496E-05	2.59027E-05	7.71884E-05	0.00017348	3305
3306	9.32032E-05	9.92568E-05	3.29748E-05	8.08068E-05	0.000167335	9.11452E-05	9.69357E-05	2.9539E-05	8.08068E-05	0.000168669	3306
3307	0.000100747	0.000106749	4.1025E-05	8.45091E-05	0.000150392	9.68109E-05	0.00010259	3.53223E-05	8.45091E-05	0.000154015	3307
3308	0.00010224	0.000108024	4.46915E-05	8.41743E-05	0.000134276	9.72848E-05	0.000102878	3.77783E-05	8.41743E-05	0.000140072	3308
3309	0.000100858	0.000106562	4.41043E-05	8.08218E-05	0.000121358	9.49681E-05	0.000100407	3.71068E-05	8.08218E-05	0.000127812	3309
3310	9.38418E-05	9.92974E-05	3.9563E-05	7.36933E-05	0.000109808	8.77992E-05	9.29098E-05	3.34266E-05	7.36933E-05	0.000116877	3310
3311	8.16922E-05	8.6596E-05	3.29034E-05	6.46398E-05	0.000105617	7.67746E-05	8.1347E-05	2.81288E-05	6.46398E-05	0.000112249	3311
3312	7.06646E-05	7.52306E-05	2.52367E-05	5.67758E-05	0.000103361	6.70576E-05	7.1273E-05	2.22094E-05	5.67758E-05	0.000109769	3312
3313	6.09357E-05	6.52307E-05	1.82042E-05	5.03284E-05	0.000105617	5.87275E-05	6.2661E-05	1.68791E-05	5.03284E-05	0.000112288	3313
3314	5.77196E-05	6.19964E-05	1.51686E-05	4.83725E-05	0.000107933	5.611E-05	6.00085E-05	1.46339E-05	4.83725E-05	0.000114887	3314
3315	5.83516E-05	6.27709E-05	1.43835E-05	4.98756E-05	0.000115776	5.72396E-05	6.12782E-05	1.42726E-05	4.98756E-05	0.000123613	3315
3316	6.14869E-05	6.61787E-05	1.4807E-05	5.38407E-05	0.000126984	6.09228E-05	6.52402E-05	1.49893E-05	5.38407E-05	0.000136046	3316
3317	6.64967E-05	7.15052E-05	1.66665E-05	5.88121E-05	0.000139329	6.60981E-05	7.07364E-05	1.67502E-05	5.88121E-05	0.000149711	3317
3318	7.14577E-05	7.67138E-05	1.91634E-05	6.2431E-05	0.000149815	7.05824E-05	7.54554E-05	1.8739E-05	6.2431E-05	0.000161477	3318
3319	7.22683E-05	7.73093E-05	2.21141E-05	6.29009E-05	0.000205688	7.10582E-05	7.57947E-05	2.06654E-05	6.29009E-05	0.000211062	3319
3320	7.01009E-05	7.48124E-05	2.32257E-05	6.17975E-05	0.000209226	6.91394E-05	7.364E-05	2.12571E-05	6.17975E-05	0.000215106	3320
3321	7.0513E-05	7.51848E-05	2.40319E-05	6.20586E-05	0.000212338	6.94461E-05	7.39199E-05	2.18483E-05	6.20586E-05	0.000218502	3321
3322	7.13985E-05	7.60558E-05	2.50616E-05	6.24555E-05	0.000213139	7.00874E-05	7.45526E-05	2.25818E-05	6.24555E-05	0.000219356	3322
3323	7.20205E-05	7.66698E-05	2.5763E-05	6.19972E-05	0.000213367	7.02072E-05	7.46489E-05	2.29519E-05	6.19972E-05	0.000219583	3323
3324	7.16331E-05	7.6302E-05	2.51819E-05	6.19694E-05	0.000206732	7.00029E-05	7.4462E-05	2.25621E-05	6.19694E-05	0.000214248	3324
3325	7.28529E-05	7.76267E-05	2.53573E-05	6.34784E-05	0.000204116	7.14199E-05	7.59858E-05	2.28427E-05	6.34784E-05	0.000211339	3325
3326	7.48671E-05	7.9885E-05	2.4943E-05	6.58952E-05	0.00019546	7.37823E-05	7.85758E-05	2.27841E-05	6.58952E-05	0.000201741	3326
3327	8.0603E-05	8.61217E-05	2.56962E-05	7.14915E-05	0.000190968	7.97749E-05	8.50372E-05	2.37887E-05	7.14915E-05	0.000194724	3327
3328	8.50467E-05	9.08823E-05	2.69871E-05	7.53301E-05	0.000179793	8.41367E-05	8.9696E-05	2.49913E-05	7.53301E-05	0.000182367	3328
3329	8.74535E-05	9.34193E-05	2.80996E-05	7.71884E-05	0.000171728	8.63665E-05	9.20496E-05	2.59027E-05	7.71884E-05	0.00017348	3329
3330	9.32032E-05	9.92568E-05	3.29748E-05	8.08068E-05	0.000167335	9.11452E-05	9.69357E-05	2.9539E-05	8.08068E-05	0.000168669	3330
3331	0.000100747	0.000106749	4.1025E-05	8.45091E-05	0.000150392	9.68109E-05	0.00010259	3.53223E-05	8.45091E-05	0.000154015	3331
3332	0.00010224	0.000108024	4.46915E-05	8.41743E-05	0.000134276	9.72848E-05	0.000102878	3.77783E-05	8.41743E-05	0.000140072	3332
3333	0.000100858	0.000106562	4.41043E-05	8.08218E-05	0.000121358	9.49681E-05	0.000100407	3.71068E-05	8.08218E-05	0.000127812	3333
3334	9.38418E-05	9.92974E-05	3.9563E-05	7.36933E-05	0.000109808	8.77992E-05	9.29098E-05	3.34266E-05	7.36933E-05	0.000116877	3334
3335	8.16922E-05	8.6596E-05	3.29034E-05	6.46398E-05	0.000105617	7.67746E-05	8.1347E-05	2.81288E-05	6.46398E-05	0.000112249	3335

3336	7.06646E-05	7.52306E-05	2.52367E-05	5.67758E-05	0.000103361	6.70576E-05	7.1273E-05	2.22094E-05	5.67758E-05	0.000109769	3336
3337	6.09357E-05	6.52307E-05	1.82042E-05	5.03284E-05	0.000105617	5.87275E-05	6.2661E-05	1.68791E-05	5.03284E-05	0.000112288	3337
3338	5.77196E-05	6.19964E-05	1.51686E-05	4.83725E-05	0.000107933	5.611E-05	6.00085E-05	1.46339E-05	4.83725E-05	0.000114887	3338
3339	5.83516E-05	6.27709E-05	1.43835E-05	4.98756E-05	0.000115776	5.72396E-05	6.12782E-05	1.42726E-05	4.98756E-05	0.000123613	3339
3340	6.14869E-05	6.61787E-05	1.4807E-05	5.38407E-05	0.000126984	6.09228E-05	6.52402E-05	1.49893E-05	5.38407E-05	0.000136046	3340
3341	6.64967E-05	7.15052E-05	1.66665E-05	5.88121E-05	0.000139329	6.60981E-05	7.07364E-05	1.67502E-05	5.88121E-05	0.000149711	3341
3342	7.14577E-05	7.67138E-05	1.91634E-05	6.2431E-05	0.000149815	7.05824E-05	7.54554E-05	1.8739E-05	6.2431E-05	0.000161477	3342
3343	7.22683E-05	7.73093E-05	2.21141E-05	6.29009E-05	0.000205688	7.10582E-05	7.57947E-05	2.06654E-05	6.29009E-05	0.000211062	3343
3344	7.01009E-05	7.48124E-05	2.32257E-05	6.17975E-05	0.000209226	6.91394E-05	7.364E-05	2.12571E-05	6.17975E-05	0.000215106	3344
3345	7.0513E-05	7.51848E-05	2.40319E-05	6.20586E-05	0.000212338	6.94461E-05	7.39199E-05	2.18483E-05	6.20586E-05	0.000218502	3345
3346	7.13985E-05	7.60558E-05	2.50616E-05	6.24555E-05	0.000213139	7.00874E-05	7.45526E-05	2.25818E-05	6.24555E-05	0.000219356	3346
3347	7.20205E-05	7.66698E-05	2.5763E-05	6.19972E-05	0.000213367	7.02072E-05	7.46489E-05	2.29519E-05	6.19972E-05	0.000219583	3347
3348	7.16331E-05	7.6302E-05	2.51819E-05	6.19694E-05	0.000206732	7.00029E-05	7.4462E-05	2.25621E-05	6.19694E-05	0.000214248	3348
3349	7.28529E-05	7.76267E-05	2.53573E-05	6.34784E-05	0.000204116	7.14199E-05	7.59858E-05	2.28427E-05	6.34784E-05	0.000211339	3349
3350	7.48671E-05	7.9885E-05	2.4943E-05	6.58952E-05	0.00019546	7.37823E-05	7.85758E-05	2.27841E-05	6.58952E-05	0.000201741	3350
3351	8.0603E-05	8.61217E-05	2.56962E-05	7.14915E-05	0.000190968	7.97749E-05	8.50372E-05	2.37887E-05	7.14915E-05	0.000194724	3351
3352	8.50467E-05	9.08823E-05	2.69871E-05	7.53301E-05	0.000179793	8.41367E-05	8.9696E-05	2.49913E-05	7.53301E-05	0.000182367	3352
3353	8.74535E-05	9.34193E-05	2.80996E-05	7.71884E-05	0.000171728	8.63665E-05	9.20496E-05	2.59027E-05	7.71884E-05	0.00017348	3353
3354	9.32032E-05	9.92568E-05	3.29748E-05	8.08068E-05	0.000167335	9.11452E-05	9.69357E-05	2.9539E-05	8.08068E-05	0.000168669	3354
3355	0.000100747	0.000106749	4.1025E-05	8.45091E-05	0.000150392	9.68109E-05	0.00010259	3.53223E-05	8.45091E-05	0.000154015	3355
3356	0.00010224	0.000108024	4.46915E-05	8.41743E-05	0.000134276	9.72848E-05	0.000102878	3.77783E-05	8.41743E-05	0.000140072	3356
3357	0.000100858	0.000106562	4.41043E-05	8.08218E-05	0.000121358	9.49681E-05	0.000100407	3.71068E-05	8.08218E-05	0.000127812	3357
3358	9.38418E-05	9.92974E-05	3.9563E-05	7.36933E-05	0.000109808	8.77992E-05	9.29098E-05	3.34266E-05	7.36933E-05	0.000116877	3358
3359	8.16922E-05	8.6596E-05	3.29034E-05	6.46398E-05	0.000105617	7.67746E-05	8.1347E-05	2.81288E-05	6.46398E-05	0.000112249	3359
3360	7.06646E-05	7.52306E-05	2.52367E-05	5.67758E-05	0.000103361	6.70576E-05	7.1273E-05	2.22094E-05	5.67758E-05	0.000109769	3360
3361	6.09357E-05	6.52307E-05	1.82042E-05	5.03284E-05	0.000105617	5.87275E-05	6.2661E-05	1.68791E-05	5.03284E-05	0.000112288	3361
3362	5.77196E-05	6.19964E-05	1.51686E-05	4.83725E-05	0.000107933	5.611E-05	6.00085E-05	1.46339E-05	4.83725E-05	0.000114887	3362
3363	5.83516E-05	6.27709E-05	1.43835E-05	4.98756E-05	0.000115776	5.72396E-05	6.12782E-05	1.42726E-05	4.98756E-05	0.000123613	3363
3364	6.14869E-05	6.61787E-05	1.4807E-05	5.38407E-05	0.000126984	6.09228E-05	6.52402E-05	1.49893E-05	5.38407E-05	0.000136046	3364
3365	6.64967E-05	7.15052E-05	1.66665E-05	5.88121E-05	0.000139329	6.60981E-05	7.07364E-05	1.67502E-05	5.88121E-05	0.000149711	3365
3366	7.14577E-05	7.67138E-05	1.91634E-05	6.2431E-05	0.000149815	7.05824E-05	7.54554E-05	1.8739E-05	6.2431E-05	0.000161477	3366
3367	7.22683E-05	7.73093E-05	2.21141E-05	6.29009E-05	0.000205688	7.10582E-05	7.57947E-05	2.06654E-05	6.29009E-05	0.000211062	3367
3368	7.01009E-05	7.48124E-05	2.32257E-05	6.17975E-05	0.000209226	6.91394E-05	7.364E-05	2.12571E-05	6.17975E-05	0.000215106	3368
3369	7.0513E-05	7.51848E-05	2.40319E-05	6.20586E-05	0.000212338	6.94461E-05	7.39199E-05	2.18483E-05	6.20586E-05	0.000218502	3369
3370	7.13985E-05	7.60558E-05	2.50616E-05	6.24555E-05	0.000213139	7.00874E-05	7.45526E-05	2.25818E-05	6.24555E-05	0.000219356	3370
3371	7.20205E-05	7.66698E-05	2.5763E-05	6.19972E-05	0.000213367	7.02072E-05	7.46489E-05	2.29519E-05	6.19972E-05	0.000219583	3371
3372	7.16331E-05	7.6302E-05	2.51819E-05	6.19694E-05	0.000206732	7.00029E-05	7.4462E-05	2.25621E-05	6.19694E-05	0.000214248	3372
3373	7.28529E-05	7.76267E-05	2.53573E-05	6.34784E-05	0.000204116	7.14199E-05	7.59858E-05	2.28427E-05	6.34784E-05	0.000211339	3373
3374	7.48671E-05	7.9885E-05	2.4943E-05	6.58952E-05	0.00019546	7.37823E-05	7.85758E-05	2.27841E-05	6.58952E-05	0.000201741	3374
3375	8.0603E-05	8.61217E-05	2.56962E-05	7.14915E-05	0.000190968	7.97749E-05	8.50372E-05	2.37887E-05	7.14915E-05	0.000194724	3375
3376	8.50467E-05	9.08823E-05	2.69871E-05	7.53301E-05	0.000179793	8.41367E-05	8.9696E-05	2.49913E-05	7.53301E-05	0.000182367	3376
3377	8.74535E-05	9.34193E-05	2.80996E-05	7.71884E-05	0.000171728	8.63665E-05	9.20496E-05	2.59027E-05	7.71884E-05	0.00017348	3377
3378	9.32032E-05	9.92568E-05	3.29748E-05	8.08068E-05	0.000167335	9.11452E-05	9.69357E-05	2.9539E-05	8.08068E-05	0.000168669	3378
3379	0.000100747	0.000106749	4.1025E-05	8.45091E-05	0.000150392	9.68109E-05	0.00010259	3.53223E-05	8.45091E-05	0.000154015	3379
3380	0.00010224	0.000108024	4.46915E-05	8.41743E-05	0.000134276	9.72848E-05	0.000102878	3.77783E-05	8.41743E-05	0.000140072	3380
3381	0.000100858	0.000106562	4.41043E-05	8.08218E-05	0.000121358	9.49681E-05	0.000100407	3.71068E-05	8.08218E-05	0.000127812	3381
3382	9.38418E-05	9.92974E-05	3.9563E-05	7.36933E-05	0.000109808	8.77992E-05	9.29098E-05	3.34266E-05	7.36933E-05	0.000116877	3382
3383	8.16922E-05	8.6596E-05	3.29034E-05	6.46398E-05	0.000105617	7.67746E-05	8.1347E-05	2.81288E-05	6.46398E-05	0.000112249	3383
3384	7.06646E-05	7.52306E-05	2.52367E-05	5.67758E-05	0.000103361	6.70576E-05	7.1273E-05	2.22094E-05	5.67758E-05	0.000109769	3384
3385	6.13397E-05	6.56678E-05	1.82788E-05	5.07329E-05	0.000104705	5.91525E-05	6.31177E-05	1.69673E-05	5.07329E-05	0.000111261	3385
3386	5.74694E-05	6.17248E-05	1.51315E-05	4.81803E-05	0.000108586	5.58723E-05	5.9752E-05	1.45961E-05	4.81803E-05	0.000115615	3386
3387	5.84288E-05	6.28541E-05	1.44013E-05	4.99756E-05	0.000116555	5.73308E-05	6.13757E-05	1.4296E-05	4.99756E-05	0.000124481	3387
3388	6.17948E-05	6.65117E-05	1.48653E-05	5.41585E-05	0.00012791	6.12509E-05	6.55926E-05	1.50592E-05	5.41585E-05	0.000137076	3388
3389	6.66872E-05	7.17103E-05	1.67114E-05	5.90659E-05	0.000140678	6.63261E-05	7.09803E-05	1.68098E-05	5.90659E-05	0.000151208	3389
3390	7.17618E-05	7.7042E-05	1.92284E-05	6.27927E-05	0.000151668	7.09275E-05	7.58251E-05	1.88218E-05	6.27927E-05	0.000163529	3390
3391	7.39992E-05	7.92039E-05	2.22169E-05	6.33329E-05	0.000208132	7.2309E-05	7.71525E-05	2.07787E-05	6.33329E-05	0.000213767	3391
3392	7.03487E-05	7.50812E-05	2.32649E-05	6.20035E-05	0.000211926	6.93817E-05	7.39011E-05	2.12991E-05	6.20035E-05	0.000218095	3392
3393	7.0687E-05	7.53741E-05	2.40538E-05	6.21671E-05	0.000215036	6.96003E-05	7.40869E-05	2.18674E-05	6.21671E-05	0.000221487	3393
3394	7.1452E-05	7.61134E-05	2.50741E-05	6.25262E-05	0.000215805	7.01511E-05	7.46208E-05	2.25984E-05	6.25262E-05	0.000222303	3394
3395	7.19758E-05	7.66216E-05	2.57534E-05	6.19437E-05	0.000215958	7.01564E-05	7.45944E-05	2.29396E-05	6.19437E-05	0.000222443	3395
3396	7.13851E-05	7.60334E-05	2.51377E-05	6.17312E-05	0.000209221	6.97464E-05	7.41862E-05	2.2511E-05	6.17312E-05	0.000216993	3396
3397	7.23891E-05	7.71244E-05	2.52767E-05	6.30465E-05	0.000206326	7.09462E-05	7.54762E-05	2.27509E-05	6.30465E-05	0.000213776	3397
3398	7.46434E-05	7.96418E-05	2.49131E-05	6.57448E-05	0.000197346	7.35792E-05	7.83561E-05	2.27564E-05	6.57448E-05	0.000203814	3398
3399	8.09199E-05	8.6464E-05	2.57601E-05	7.18442E-05	0.000192666	8.01238E-05	8.54114E-05	2.3868E-05	7.18442E-05	0.000196588	3399
3400	8.6272E-05	9.22096E-05	2.71976E-05	7.64561E-05	0.000181557	8.53815E-05	9.10354E-05	2.52296E-05	7.64561E-05	0.000184307	3400
3401	8.8724E-05	9.4795E-05	2.8322E-05	7.83828E-05	0.000173354	8.7669E-05	9.34506E-05	2.61575E-05	7.83828E-05	0.000175267	3401
3402	9.44326E-05	0.000100588	3.31882E-05	8.19507E-05	0.000168819	9.24004E-05	9.8286E-05	2.97822E-05	8.19507E-05	0.000170304	3402
3403	0.000101878	0.000107975	4.12188E-05	8.55448E-05	0.000152079	9.79585E-05	0.000103825	3.55412E-05	8.55448E-05	0.000155878	3403
3404	0.00010332	0.000109194	4.48783E-05	8.51751E-05	0.000135868	9.83856E-05	0.000104062	3.79908E-05	8.51751E-05	0.000141828	3404
3405	0.000100349	0.00010599	4.42206E-05	8.15717E-05	0.000122918	9.49845E-05	0.000100411	3.72482E-05	8.15717E-05	0.000129529	3405
3406	9.45856E-05	0.000100103	3.9692E-05	7.43849E-05	0.000111276	8.85583E-05	9.37265E-05	3.35735E-05	7.43849E-05	0.00011849	3406
3407	8.21516E-05	8.70933E-05	3.29853E-05	6.50813E-05	0.000106955	7.72498E-05	8.18579E-05	2.82237E-05	6.50813E-05	0.000113718	3407
3408	7.10477E-05	7.56454E-05	2.53047E-05	5.71425E-05	0.00010455	6.74532E-05	7.16984E-05	2.22881E-05	5.71425E-05	0.000111072	3408
3409	6.13397E-05	6.56678E-05	1.82788E-05	5.07329E-05	0.000104705	5.91525E-05	6.31177E-05	1.69673E-05	5.07329E-05	0.000111261	3409
3410	5.74694E-05	6.17248E-05	1.51315E-05	4.81803E-05	0.000108586	5.58723E-05	5.9752E-05	1.45961E-05	4.81803E-05	0.000115615	3410
3411	5.84288E-05	6.28541E-05	1.44013E-05	4.99756E-05	0.000116555	5.73308E-05	6.13757E-05	1.4296E-05	4.99756E-05	0.000124481	3411

3412	6.17948E-05	6.65117E-05	1.48653E-05	5.41585E-05	0.00012791	6.12509E-05	6.55926E-05	1.50592E-05	5.41585E-05	0.000137076	3412
3413	6.66872E-05	7.17103E-05	1.67114E-05	5.90659E-05	0.000140678	6.63261E-05	7.09803E-05	1.68098E-05	5.90659E-05	0.000151208	3413
3414	7.17618E-05	7.7042E-05	1.92284E-05	6.27927E-05	0.000151668	7.09275E-05	7.58251E-05	1.88218E-05	6.27927E-05	0.000163529	3414
3415	7.39992E-05	7.92039E-05	2.22169E-05	6.33329E-05	0.000208132	7.2309E-05	7.71525E-05	2.07787E-05	6.33329E-05	0.000213767	3415
3416	7.03487E-05	7.50812E-05	2.32649E-05	6.20035E-05	0.000211926	6.93817E-05	7.39011E-05	2.12991E-05	6.20035E-05	0.000218095	3416
3417	7.0687E-05	7.53741E-05	2.40538E-05	6.21671E-05	0.000215036	6.96003E-05	7.40869E-05	2.18674E-05	6.21671E-05	0.000221487	3417
3418	7.1452E-05	7.61134E-05	2.50741E-05	6.25262E-05	0.000215805	7.01511E-05	7.46208E-05	2.25984E-05	6.25262E-05	0.000222303	3418
3419	7.19758E-05	7.66216E-05	2.57534E-05	6.19437E-05	0.000215958	7.01564E-05	7.45944E-05	2.29396E-05	6.19437E-05	0.000222443	3419
3420	7.13851E-05	7.60334E-05	2.51377E-05	6.17312E-05	0.000209221	6.97464E-05	7.41862E-05	2.2511E-05	6.17312E-05	0.000216993	3420
3421	7.23891E-05	7.71244E-05	2.52767E-05	6.30465E-05	0.000206326	7.09462E-05	7.54762E-05	2.27509E-05	6.30465E-05	0.000213776	3421
3422	7.46434E-05	7.96418E-05	2.49131E-05	6.57448E-05	0.000197346	7.35792E-05	7.83561E-05	2.27564E-05	6.57448E-05	0.000203814	3422
3423	8.09199E-05	8.6464E-05	2.57601E-05	7.18442E-05	0.000192666	8.01238E-05	8.54114E-05	2.3868E-05	7.18442E-05	0.000196588	3423
3424	8.6272E-05	9.22096E-05	2.71976E-05	7.64561E-05	0.000181557	8.53815E-05	9.10354E-05	2.52296E-05	7.64561E-05	0.000184307	3424
3425	8.8724E-05	9.4795E-05	2.8322E-05	7.83828E-05	0.000173354	8.7669E-05	9.34506E-05	2.61575E-05	7.83828E-05	0.000175267	3425
3426	9.44326E-05	0.000100588	3.31882E-05	8.19507E-05	0.000168819	9.24004E-05	9.8286E-05	2.97822E-05	8.19507E-05	0.000170304	3426
3427	0.000101878	0.000107975	4.12188E-05	8.55448E-05	0.000152079	9.79585E-05	0.000103825	3.55412E-05	8.55448E-05	0.000155878	3427
3428	0.00010332	0.000109194	4.48783E-05	8.51751E-05	0.000135868	9.83856E-05	0.000104062	3.79908E-05	8.51751E-05	0.000141828	3428
3429	0.000100349	0.00010599	4.42206E-05	8.15717E-05	0.000122918	9.49845E-05	0.000100411	3.72482E-05	8.15717E-05	0.000129529	3429
3430	9.45856E-05	0.000100103	3.9692E-05	7.43849E-05	0.000111276	8.85583E-05	9.37265E-05	3.35735E-05	7.43849E-05	0.00011849	3430
3431	8.21516E-05	8.70933E-05	3.29853E-05	6.50813E-05	0.000106955	7.72498E-05	8.18579E-05	2.82237E-05	6.50813E-05	0.000113718	3431
3432	7.10477E-05	7.56454E-05	2.53047E-05	5.71425E-05	0.00010455	6.74532E-05	7.16984E-05	2.22881E-05	5.71425E-05	0.000111072	3432
3433	6.09357E-05	6.52307E-05	1.82042E-05	5.03284E-05	0.000105617	5.87275E-05	6.2661E-05	1.68791E-05	5.03284E-05	0.000112288	3433
3434	5.77196E-05	6.19964E-05	1.51686E-05	4.83725E-05	0.000107933	5.611E-05	6.00085E-05	1.46339E-05	4.83725E-05	0.000114887	3434
3435	5.83516E-05	6.27709E-05	1.43835E-05	4.98756E-05	0.000115776	5.72396E-05	6.12782E-05	1.42726E-05	4.98756E-05	0.000123613	3435
3436	6.14869E-05	6.61787E-05	1.4807E-05	5.38407E-05	0.000126984	6.09228E-05	6.52402E-05	1.49893E-05	5.38407E-05	0.000136046	3436
3437	6.64967E-05	7.15052E-05	1.66665E-05	5.88121E-05	0.000139329	6.60981E-05	7.07364E-05	1.67502E-05	5.88121E-05	0.000149711	3437
3438	7.14577E-05	7.67138E-05	1.91634E-05	6.2431E-05	0.000149815	7.05824E-05	7.54554E-05	1.8739E-05	6.2431E-05	0.000161477	3438
3439	7.22683E-05	7.73093E-05	2.21141E-05	6.29009E-05	0.000205688	7.10582E-05	7.57947E-05	2.06654E-05	6.29009E-05	0.000211062	3439
3440	7.01009E-05	7.48124E-05	2.32257E-05	6.17975E-05	0.000209226	6.91394E-05	7.364E-05	2.12571E-05	6.17975E-05	0.000215106	3440
3441	7.0513E-05	7.51848E-05	2.40319E-05	6.20586E-05	0.000212338	6.94461E-05	7.39199E-05	2.18483E-05	6.20586E-05	0.000218502	3441
3442	7.13985E-05	7.60558E-05	2.50616E-05	6.24555E-05	0.000213139	7.00874E-05	7.45526E-05	2.25818E-05	6.24555E-05	0.000219356	3442
3443	7.20205E-05	7.66698E-05	2.5763E-05	6.19972E-05	0.000213367	7.02072E-05	7.46489E-05	2.29519E-05	6.19972E-05	0.000219583	3443
3444	7.16331E-05	7.6302E-05	2.51819E-05	6.19694E-05	0.000206732	7.00029E-05	7.4462E-05	2.25621E-05	6.19694E-05	0.000214248	3444
3445	7.28529E-05	7.76267E-05	2.53573E-05	6.34784E-05	0.000204116	7.14199E-05	7.59858E-05	2.28427E-05	6.34784E-05	0.000211339	3445
3446	7.48671E-05	7.9885E-05	2.4943E-05	6.58952E-05	0.00019546	7.37823E-05	7.85758E-05	2.27841E-05	6.58952E-05	0.000201741	3446
3447	8.0603E-05	8.61217E-05	2.56962E-05	7.14915E-05	0.000190968	7.97749E-05	8.50372E-05	2.37887E-05	7.14915E-05	0.000194724	3447
3448	8.50467E-05	9.08823E-05	2.69871E-05	7.53301E-05	0.000179793	8.41367E-05	8.9696E-05	2.49913E-05	7.53301E-05	0.000182367	3448
3449	8.74535E-05	9.34193E-05	2.80996E-05	7.71884E-05	0.000171728	8.63665E-05	9.20496E-05	2.59027E-05	7.71884E-05	0.00017348	3449
3450	9.32032E-05	9.92568E-05	3.29748E-05	8.08068E-05	0.000167335	9.11452E-05	9.69357E-05	2.9539E-05	8.08068E-05	0.000168669	3450
3451	0.000100747	0.000106749	4.1025E-05	8.45091E-05	0.000150392	9.68109E-05	0.00010259	3.53223E-05	8.45091E-05	0.000154015	3451
3452	0.00010224	0.000108024	4.46915E-05	8.41743E-05	0.000134276	9.72848E-05	0.000102878	3.77783E-05	8.41743E-05	0.000140072	3452
3453	0.000100858	0.000106562	4.41043E-05	8.08218E-05	0.000121358	9.49681E-05	0.000100407	3.71068E-05	8.08218E-05	0.000127812	3453
3454	9.38418E-05	9.92974E-05	3.9563E-05	7.36933E-05	0.000109808	8.77992E-05	9.29098E-05	3.34266E-05	7.36933E-05	0.000116877	3454
3455	8.16922E-05	8.6596E-05	3.29034E-05	6.46398E-05	0.000105617	7.67746E-05	8.1347E-05	2.81288E-05	6.46398E-05	0.000112249	3455
3456	7.06646E-05	7.52306E-05	2.52367E-05	5.67758E-05	0.000103361	6.70576E-05	7.1273E-05	2.22094E-05	5.67758E-05	0.000109769	3456
3457	6.09357E-05	6.52307E-05	1.82042E-05	5.03284E-05	0.000105617	5.87275E-05	6.2661E-05	1.68791E-05	5.03284E-05	0.000112288	3457
3458	5.77196E-05	6.19964E-05	1.51686E-05	4.83725E-05	0.000107933	5.611E-05	6.00085E-05	1.46339E-05	4.83725E-05	0.000114887	3458
3459	5.83516E-05	6.27709E-05	1.43835E-05	4.98756E-05	0.000115776	5.72396E-05	6.12782E-05	1.42726E-05	4.98756E-05	0.000123613	3459
3460	6.14869E-05	6.61787E-05	1.4807E-05	5.38407E-05	0.000126984	6.09228E-05	6.52402E-05	1.49893E-05	5.38407E-05	0.000136046	3460
3461	6.64967E-05	7.15052E-05	1.66665E-05	5.88121E-05	0.000139329	6.60981E-05	7.07364E-05	1.67502E-05	5.88121E-05	0.000149711	3461
3462	7.14577E-05	7.67138E-05	1.91634E-05	6.2431E-05	0.000149815	7.05824E-05	7.54554E-05	1.8739E-05	6.2431E-05	0.000161477	3462
3463	7.22683E-05	7.73093E-05	2.21141E-05	6.29009E-05	0.000205688	7.10582E-05	7.57947E-05	2.06654E-05	6.29009E-05	0.000211062	3463
3464	7.01009E-05	7.48124E-05	2.32257E-05	6.17975E-05	0.000209226	6.91394E-05	7.364E-05	2.12571E-05	6.17975E-05	0.000215106	3464
3465	7.0513E-05	7.51848E-05	2.40319E-05	6.20586E-05	0.000212338	6.94461E-05	7.39199E-05	2.18483E-05	6.20586E-05	0.000218502	3465
3466	7.13985E-05	7.60558E-05	2.50616E-05	6.24555E-05	0.000213139	7.00874E-05	7.45526E-05	2.25818E-05	6.24555E-05	0.000219356	3466
3467	7.20205E-05	7.66698E-05	2.5763E-05	6.19972E-05	0.000213367	7.02072E-05	7.46489E-05	2.29519E-05	6.19972E-05	0.000219583	3467
3468	7.16331E-05	7.6302E-05	2.51819E-05	6.19694E-05	0.000206732	7.00029E-05	7.4462E-05	2.25621E-05	6.19694E-05	0.000214248	3468
3469	7.28529E-05	7.76267E-05	2.53573E-05	6.34784E-05	0.000204116	7.14199E-05	7.59858E-05	2.28427E-05	6.34784E-05	0.000211339	3469
3470	7.48671E-05	7.9885E-05	2.4943E-05	6.58952E-05	0.00019546	7.37823E-05	7.85758E-05	2.27841E-05	6.58952E-05	0.000201741	3470
3471	8.0603E-05	8.61217E-05	2.56962E-05	7.14915E-05	0.000190968	7.97749E-05	8.50372E-05	2.37887E-05	7.14915E-05	0.000194724	3471
3472	8.50467E-05	9.08823E-05	2.69871E-05	7.53301E-05	0.000179793	8.41367E-05	8.9696E-05	2.49913E-05	7.53301E-05	0.000182367	3472
3473	8.74535E-05	9.34193E-05	2.80996E-05	7.71884E-05	0.000171728	8.63665E-05	9.20496E-05	2.59027E-05	7.71884E-05	0.00017348	3473
3474	9.32032E-05	9.92568E-05	3.29748E-05	8.08068E-05	0.000167335	9.11452E-05	9.69357E-05	2.9539E-05	8.08068E-05	0.000168669	3474
3475	0.000100747	0.000106749	4.1025E-05	8.45091E-05	0.000150392	9.68109E-05	0.00010259	3.53223E-05	8.45091E-05	0.000154015	3475
3476	0.00010224	0.000108024	4.46915E-05	8.41743E-05	0.000134276	9.72848E-05	0.000102878	3.77783E-05	8.41743E-05	0.000140072	3476
3477	0.000100858	0.000106562	4.41043E-05	8.08218E-05	0.000121358	9.49681E-05	0.000100407	3.71068E-05	8.08218E-05	0.000127812	3477
3478	9.38418E-05	9.92974E-05	3.9563E-05	7.36933E-05	0.000109808	8.77992E-05	9.29098E-05	3.34266E-05	7.36933E-05	0.000116877	3478
3479	8.16922E-05	8.6596E-05	3.29034E-05	6.46398E-05	0.000105617	7.67746E-05	8.1347E-05	2.81288E-05	6.46398E-05	0.000112249	3479
3480	7.06646E-05	7.52306E-05	2.52367E-05	5.67758E-05	0.000103361	6.70576E-05	7.1273E-05	2.22094E-05	5.67758E-05	0.000109769	3480
3481	6.09357E-05	6.52307E-05	1.82042E-05	5.03284E-05	0.000105617	5.87275E-05	6.2661E-05	1.68791E-05	5.03284E-05	0.000112288	3481
3482	5.77196E-05	6.19964E-05	1.51686E-05	4.83725E-05	0.000107933	5.611E-05	6.00085E-05	1.46339E-05	4.83725E-05	0.000114887	3482
3483	5.83516E-05	6.27709E-05	1.43835E-05	4.98756E-05	0.000115776	5.72396E-05	6.12782E-05	1.42726E-05	4.98756E-05	0.000123613	3483
3484	6.14869E-05	6.61787E-05	1.4807E-05	5.38407E-05	0.000126984	6.09228E-05	6.52402E-05	1.49893E-05	5.38407E-05	0.000136046	3484
3485	6.64967E-05	7.15052E-05	1.66665E-05	5.88121E-05	0.000139329	6.60981E-05	7.07364E-05	1.67502E-05	5.88121E-05	0.000149711	3485
3486	7.14577E-05	7.67138E-05	1.91634E-05	6.2431E-05	0.000149815	7.05824E-05	7.54554E-05	1.8739E-05	6.2431E-05	0.000161477	3486
3487	7.22683E-05	7.73093E-05	2.21141E-05	6.29009E-05	0.000205688	7.10582E-05	7.57947E-05	2.06654E-05	6.29009E-05	0.000211062	3487

3488	7.01009E-05	7.48124E-05	2.32257E-05	6.17975E-05	0.000209226	6.91394E-05	7.364E-05	2.12571E-05	6.17975E-05	0.000215106	**3488**
3489	7.0513E-05	7.51848E-05	2.40319E-05	6.20586E-05	0.000212338	6.94461E-05	7.39199E-05	2.18483E-05	6.20586E-05	0.000218502	**3489**
3490	7.13985E-05	7.60558E-05	2.50616E-05	6.24555E-05	0.000213139	7.00874E-05	7.45526E-05	2.25818E-05	6.24555E-05	0.000219356	**3490**
3491	7.20205E-05	7.66698E-05	2.5763E-05	6.19972E-05	0.000213367	7.02072E-05	7.46489E-05	2.29519E-05	6.19972E-05	0.000219583	**3491**
3492	7.16331E-05	7.6302E-05	2.51819E-05	6.19694E-05	0.000206732	7.00029E-05	7.4462E-05	2.25621E-05	6.19694E-05	0.000214248	**3492**
3493	7.28529E-05	7.76267E-05	2.53573E-05	6.34784E-05	0.000204116	7.14199E-05	7.59858E-05	2.28427E-05	6.34784E-05	0.000211339	**3493**
3494	7.48671E-05	7.9885E-05	2.4943E-05	6.58952E-05	0.00019546	7.37823E-05	7.85758E-05	2.27841E-05	6.58952E-05	0.000201741	**3494**
3495	8.0603E-05	8.61217E-05	2.56962E-05	7.14915E-05	0.000190968	7.97749E-05	8.50372E-05	2.37887E-05	7.14915E-05	0.000194724	**3495**
3496	8.50467E-05	9.08823E-05	2.69871E-05	7.53301E-05	0.000179793	8.41367E-05	8.9696E-05	2.49913E-05	7.53301E-05	0.000182367	**3496**
3497	8.74535E-05	9.34193E-05	2.80996E-05	7.71884E-05	0.000171728	8.63665E-05	9.20496E-05	2.59027E-05	7.71884E-05	0.00017348	**3497**
3498	9.32032E-05	9.92568E-05	3.29748E-05	8.08068E-05	0.000167335	9.11452E-05	9.69357E-05	2.9539E-05	8.08068E-05	0.000168669	**3498**
3499	0.000100747	0.000106749	4.1025E-05	8.45091E-05	0.000150392	9.68109E-05	0.00010259	3.53223E-05	8.45091E-05	0.000154015	**3499**
3500	0.00010224	0.000108024	4.46915E-05	8.41743E-05	0.000134276	9.72848E-05	0.000102878	3.77783E-05	8.41743E-05	0.000140072	**3500**
3501	0.000100858	0.000106562	4.41043E-05	8.08218E-05	0.000121358	9.49681E-05	0.000100407	3.71068E-05	8.08218E-05	0.000127812	**3501**
3502	9.38418E-05	9.92974E-05	3.9563E-05	7.36933E-05	0.000109808	8.77992E-05	9.29098E-05	3.34266E-05	7.36933E-05	0.000116877	**3502**
3503	8.16922E-05	8.6596E-05	3.29034E-05	6.46398E-05	0.000105617	7.67746E-05	8.1347E-05	2.81288E-05	6.46398E-05	0.000112249	**3503**
3504	7.06646E-05	7.52306E-05	2.52367E-05	5.67758E-05	0.000103361	6.70576E-05	7.1273E-05	2.22094E-05	5.67758E-05	0.000109769	**3504**
3505	6.09357E-05	6.52307E-05	1.82042E-05	5.03284E-05	0.000105617	5.87275E-05	6.2661E-05	1.68791E-05	5.03284E-05	0.000112288	**3505**
3506	5.77196E-05	6.19964E-05	1.51686E-05	4.83725E-05	0.000107933	5.611E-05	6.00085E-05	1.46339E-05	4.83725E-05	0.000114887	**3506**
3507	5.83516E-05	6.27709E-05	1.43835E-05	4.98756E-05	0.000115776	5.72396E-05	6.12782E-05	1.42726E-05	4.98756E-05	0.000123613	**3507**
3508	6.14869E-05	6.61787E-05	1.4807E-05	5.38407E-05	0.000126984	6.09228E-05	6.52402E-05	1.49893E-05	5.38407E-05	0.000136046	**3508**
3509	6.64967E-05	7.15052E-05	1.66665E-05	5.88121E-05	0.000139329	6.60981E-05	7.07364E-05	1.67502E-05	5.88121E-05	0.000149711	**3509**
3510	7.14577E-05	7.67138E-05	1.91634E-05	6.2431E-05	0.000149815	7.05824E-05	7.54554E-05	1.8739E-05	6.2431E-05	0.000161477	**3510**
3511	7.22683E-05	7.73093E-05	2.21141E-05	6.29009E-05	0.000205688	7.10582E-05	7.57947E-05	2.06654E-05	6.29009E-05	0.000211062	**3511**
3512	7.01009E-05	7.48124E-05	2.32257E-05	6.17975E-05	0.000209226	6.91394E-05	7.364E-05	2.12571E-05	6.17975E-05	0.000215106	**3512**
3513	7.0513E-05	7.51848E-05	2.40319E-05	6.20586E-05	0.000212338	6.94461E-05	7.39199E-05	2.18483E-05	6.20586E-05	0.000218502	**3513**
3514	7.13985E-05	7.60558E-05	2.50616E-05	6.24555E-05	0.000213139	7.00874E-05	7.45526E-05	2.25818E-05	6.24555E-05	0.000219356	**3514**
3515	7.20205E-05	7.66698E-05	2.5763E-05	6.19972E-05	0.000213367	7.02072E-05	7.46489E-05	2.29519E-05	6.19972E-05	0.000219583	**3515**
3516	7.16331E-05	7.6302E-05	2.51819E-05	6.19694E-05	0.000206732	7.00029E-05	7.4462E-05	2.25621E-05	6.19694E-05	0.000214248	**3516**
3517	7.28529E-05	7.76267E-05	2.53573E-05	6.34784E-05	0.000204116	7.14199E-05	7.59858E-05	2.28427E-05	6.34784E-05	0.000211339	**3517**
3518	7.48671E-05	7.9885E-05	2.4943E-05	6.58952E-05	0.00019546	7.37823E-05	7.85758E-05	2.27841E-05	6.58952E-05	0.000201741	**3518**
3519	8.0603E-05	8.61217E-05	2.56962E-05	7.14915E-05	0.000190968	7.97749E-05	8.50372E-05	2.37887E-05	7.14915E-05	0.000194724	**3519**
3520	8.50467E-05	9.08823E-05	2.69871E-05	7.53301E-05	0.000179793	8.41367E-05	8.9696E-05	2.49913E-05	7.53301E-05	0.000182367	**3520**
3521	8.74535E-05	9.34193E-05	2.80996E-05	7.71884E-05	0.000171728	8.63665E-05	9.20496E-05	2.59027E-05	7.71884E-05	0.00017348	**3521**
3522	9.32032E-05	9.92568E-05	3.29748E-05	8.08068E-05	0.000167335	9.11452E-05	9.69357E-05	2.9539E-05	8.08068E-05	0.000168669	**3522**
3523	0.000100747	0.000106749	4.1025E-05	8.45091E-05	0.000150392	9.68109E-05	0.00010259	3.53223E-05	8.45091E-05	0.000154015	**3523**
3524	0.00010224	0.000108024	4.46915E-05	8.41743E-05	0.000134276	9.72848E-05	0.000102878	3.77783E-05	8.41743E-05	0.000140072	**3524**
3525	0.000100858	0.000106562	4.41043E-05	8.08218E-05	0.000121358	9.49681E-05	0.000100407	3.71068E-05	8.08218E-05	0.000127812	**3525**
3526	9.38418E-05	9.92974E-05	3.9563E-05	7.36933E-05	0.000109808	8.77992E-05	9.29098E-05	3.34266E-05	7.36933E-05	0.000116877	**3526**
3527	8.16922E-05	8.6596E-05	3.29034E-05	6.46398E-05	0.000105617	7.67746E-05	8.1347E-05	2.81288E-05	6.46398E-05	0.000112249	**3527**
3528	7.06646E-05	7.52306E-05	2.52367E-05	5.67758E-05	0.000103361	6.70576E-05	7.1273E-05	2.22094E-05	5.67758E-05	0.000109769	**3528**
3529	6.09357E-05	6.52307E-05	1.82042E-05	5.03284E-05	0.000105617	5.87275E-05	6.2661E-05	1.68791E-05	5.03284E-05	0.000112288	**3529**
3530	5.77196E-05	6.19964E-05	1.51686E-05	4.83725E-05	0.000107933	5.611E-05	6.00085E-05	1.46339E-05	4.83725E-05	0.000114887	**3530**
3531	5.83516E-05	6.27709E-05	1.43835E-05	4.98756E-05	0.000115776	5.72396E-05	6.12782E-05	1.42726E-05	4.98756E-05	0.000123613	**3531**
3532	6.14869E-05	6.61787E-05	1.4807E-05	5.38407E-05	0.000126984	6.09228E-05	6.52402E-05	1.49893E-05	5.38407E-05	0.000136046	**3532**
3533	6.64967E-05	7.15052E-05	1.66665E-05	5.88121E-05	0.000139329	6.60981E-05	7.07364E-05	1.67502E-05	5.88121E-05	0.000149711	**3533**
3534	7.14577E-05	7.67138E-05	1.91634E-05	6.2431E-05	0.000149815	7.05824E-05	7.54554E-05	1.8739E-05	6.2431E-05	0.000161477	**3534**
3535	7.22683E-05	7.73093E-05	2.21141E-05	6.29009E-05	0.000205688	7.10582E-05	7.57947E-05	2.06654E-05	6.29009E-05	0.000211062	**3535**
3536	7.01009E-05	7.48124E-05	2.32257E-05	6.17975E-05	0.000209226	6.91394E-05	7.364E-05	2.12571E-05	6.17975E-05	0.000215106	**3536**
3537	7.0513E-05	7.51848E-05	2.40319E-05	6.20586E-05	0.000212338	6.94461E-05	7.39199E-05	2.18483E-05	6.20586E-05	0.000218502	**3537**
3538	7.13985E-05	7.60558E-05	2.50616E-05	6.24555E-05	0.000213139	7.00874E-05	7.45526E-05	2.25818E-05	6.24555E-05	0.000219356	**3538**
3539	7.20205E-05	7.66698E-05	2.5763E-05	6.19972E-05	0.000213367	7.02072E-05	7.46489E-05	2.29519E-05	6.19972E-05	0.000219583	**3539**
3540	7.16331E-05	7.6302E-05	2.51819E-05	6.19694E-05	0.000206732	7.00029E-05	7.4462E-05	2.25621E-05	6.19694E-05	0.000214248	**3540**
3541	7.28529E-05	7.76267E-05	2.53573E-05	6.34784E-05	0.000204116	7.14199E-05	7.59858E-05	2.28427E-05	6.34784E-05	0.000211339	**3541**
3542	7.48671E-05	7.9885E-05	2.4943E-05	6.58952E-05	0.00019546	7.37823E-05	7.85758E-05	2.27841E-05	6.58952E-05	0.000201741	**3542**
3543	8.0603E-05	8.61217E-05	2.56962E-05	7.14915E-05	0.000190968	7.97749E-05	8.50372E-05	2.37887E-05	7.14915E-05	0.000194724	**3543**
3544	8.50467E-05	9.08823E-05	2.69871E-05	7.53301E-05	0.000179793	8.41367E-05	8.9696E-05	2.49913E-05	7.53301E-05	0.000182367	**3544**
3545	8.74535E-05	9.34193E-05	2.80996E-05	7.71884E-05	0.000171728	8.63665E-05	9.20496E-05	2.59027E-05	7.71884E-05	0.00017348	**3545**
3546	9.32032E-05	9.92568E-05	3.29748E-05	8.08068E-05	0.000167335	9.11452E-05	9.69357E-05	2.9539E-05	8.08068E-05	0.000168669	**3546**
3547	0.000100747	0.000106749	4.1025E-05	8.45091E-05	0.000150392	9.68109E-05	0.00010259	3.53223E-05	8.45091E-05	0.000154015	**3547**
3548	0.00010224	0.000108024	4.46915E-05	8.41743E-05	0.000134276	9.72848E-05	0.000102878	3.77783E-05	8.41743E-05	0.000140072	**3548**
3549	0.000100858	0.000106562	4.41043E-05	8.08218E-05	0.000121358	9.49681E-05	0.000100407	3.71068E-05	8.08218E-05	0.000127812	**3549**
3550	9.38418E-05	9.92974E-05	3.9563E-05	7.36933E-05	0.000109808	8.77992E-05	9.29098E-05	3.34266E-05	7.36933E-05	0.000116877	**3550**
3551	8.16922E-05	8.6596E-05	3.29034E-05	6.46398E-05	0.000105617	7.67746E-05	8.1347E-05	2.81288E-05	6.46398E-05	0.000112249	**3551**
3552	7.06646E-05	7.52306E-05	2.52367E-05	5.67758E-05	0.000103361	6.70576E-05	7.1273E-05	2.22094E-05	5.67758E-05	0.000109769	**3552**
3553	6.13397E-05	6.56678E-05	1.82788E-05	5.07329E-05	0.000104705	5.91525E-05	6.31177E-05	1.69673E-05	5.07329E-05	0.000111261	**3553**
3554	5.74694E-05	6.17248E-05	1.51315E-05	4.81803E-05	0.000108586	5.58723E-05	5.9752E-05	1.45961E-05	4.81803E-05	0.000115615	**3554**
3555	5.84288E-05	6.28541E-05	1.44013E-05	4.99756E-05	0.000116555	5.73308E-05	6.13757E-05	1.4296E-05	4.99756E-05	0.000124481	**3555**
3556	6.17948E-05	6.65117E-05	1.48653E-05	5.41585E-05	0.00012791	6.12509E-05	6.55926E-05	1.50592E-05	5.41585E-05	0.000137076	**3556**
3557	6.66872E-05	7.17103E-05	1.67114E-05	5.90659E-05	0.000140678	6.63261E-05	7.09803E-05	1.68098E-05	5.90659E-05	0.000151208	**3557**
3558	7.17618E-05	7.7042E-05	1.92284E-05	6.27927E-05	0.000151668	7.09275E-05	7.58251E-05	1.88218E-05	6.27927E-05	0.000163529	**3558**
3559	7.39992E-05	7.92039E-05	2.22169E-05	6.33329E-05	0.000208132	7.2309E-05	7.71525E-05	2.07787E-05	6.33329E-05	0.000213767	**3559**
3560	7.03487E-05	7.50812E-05	2.32649E-05	6.20035E-05	0.000211926	6.93817E-05	7.39011E-05	2.12991E-05	6.20035E-05	0.000218095	**3560**
3561	7.0687E-05	7.53741E-05	2.40538E-05	6.21671E-05	0.000215036	6.96003E-05	7.40869E-05	2.18674E-05	6.21671E-05	0.000221487	**3561**
3562	7.1452E-05	7.61134E-05	2.50741E-05	6.25262E-05	0.000215805	7.01511E-05	7.46208E-05	2.25984E-05	6.25262E-05	0.000222303	**3562**
3563	7.19758E-05	7.66216E-05	2.57534E-05	6.19437E-05	0.000215958	7.01564E-05	7.45944E-05	2.29396E-05	6.19437E-05	0.000222443	**3563**

3564	7.13851E-05	7.60334E-05	2.51377E-05	6.17312E-05	0.000209221	6.97464E-05	7.41862E-05	2.2511E-05	6.17312E-05	0.000216993	3564
3565	7.23891E-05	7.71244E-05	2.52767E-05	6.30465E-05	0.000206326	7.09462E-05	7.54762E-05	2.27509E-05	6.30465E-05	0.000213776	3565
3566	7.46434E-05	7.96418E-05	2.49131E-05	6.57448E-05	0.000197346	7.35792E-05	7.83561E-05	2.27564E-05	6.57448E-05	0.000203814	3566
3567	8.09199E-05	8.6464E-05	2.57601E-05	7.18442E-05	0.000192666	8.01238E-05	8.54114E-05	2.3868E-05	7.18442E-05	0.000196588	3567
3568	8.6272E-05	9.22096E-05	2.71976E-05	7.64561E-05	0.000181557	8.53815E-05	9.10354E-05	2.52296E-05	7.64561E-05	0.000184307	3568
3569	8.8724E-05	9.4795E-05	2.8322E-05	7.83828E-05	0.000173354	8.7669E-05	9.34506E-05	2.61575E-05	7.83828E-05	0.000175267	3569
3570	9.44326E-05	0.000100588	3.31882E-05	8.19507E-05	0.000168819	9.24004E-05	9.8286E-05	2.97822E-05	8.19507E-05	0.000170304	3570
3571	0.000101878	0.000107975	4.12188E-05	8.55448E-05	0.000152079	9.79585E-05	0.000103825	3.55412E-05	8.55448E-05	0.000155878	3571
3572	0.00010332	0.000109194	4.48783E-05	8.51751E-05	0.000135868	9.83856E-05	0.000104062	3.79908E-05	8.51751E-05	0.000141828	3572
3573	0.000100349	0.00010599	4.42206E-05	8.15717E-05	0.000122918	9.49845E-05	0.000100411	3.72482E-05	8.15717E-05	0.000129529	3573
3574	9.45856E-05	0.000100103	3.9692E-05	7.43849E-05	0.000111276	8.85583E-05	9.37265E-05	3.35735E-05	7.43849E-05	0.00011849	3574
3575	8.21516E-05	8.70933E-05	3.29853E-05	6.50813E-05	0.000106955	7.72498E-05	8.18579E-05	2.82237E-05	6.50813E-05	0.000113718	3575
3576	7.10477E-05	7.56454E-05	2.53047E-05	5.71425E-05	0.00010455	6.74532E-05	7.16984E-05	2.22881E-05	5.71425E-05	0.000111072	3576
3577	6.13397E-05	6.56678E-05	1.82788E-05	5.07329E-05	0.000104705	5.91525E-05	6.31177E-05	1.69673E-05	5.07329E-05	0.000111261	3577
3578	5.74694E-05	6.17248E-05	1.51315E-05	4.81803E-05	0.000108586	5.58723E-05	5.9752E-05	1.45961E-05	4.81803E-05	0.000115615	3578
3579	5.84288E-05	6.28541E-05	1.44013E-05	4.99756E-05	0.000116555	5.73308E-05	6.13757E-05	1.4296E-05	4.99756E-05	0.000124481	3579
3580	6.17948E-05	6.65117E-05	1.48653E-05	5.41585E-05	0.00012791	6.12509E-05	6.55926E-05	1.50592E-05	5.41585E-05	0.000137076	3580
3581	6.66872E-05	7.17103E-05	1.67114E-05	5.90659E-05	0.000140678	6.63261E-05	7.09803E-05	1.68098E-05	5.90659E-05	0.000151208	3581
3582	7.17618E-05	7.7042E-05	1.92284E-05	6.27927E-05	0.000151668	7.09275E-05	7.58251E-05	1.88218E-05	6.27927E-05	0.000163529	3582
3583	7.39992E-05	7.92039E-05	2.22169E-05	6.33329E-05	0.000208132	7.2309E-05	7.71525E-05	2.07787E-05	6.33329E-05	0.000213767	3583
3584	7.03487E-05	7.50812E-05	2.32649E-05	6.20035E-05	0.000211926	6.93817E-05	7.39011E-05	2.12991E-05	6.20035E-05	0.000218095	3584
3585	7.0687E-05	7.53741E-05	2.40538E-05	6.21671E-05	0.000215036	6.96003E-05	7.40869E-05	2.18674E-05	6.21671E-05	0.000221487	3585
3586	7.1452E-05	7.61134E-05	2.50741E-05	6.25262E-05	0.000215805	7.01511E-05	7.46208E-05	2.25984E-05	6.25262E-05	0.000222303	3586
3587	7.19758E-05	7.66216E-05	2.57534E-05	6.19437E-05	0.000215958	7.01564E-05	7.45944E-05	2.29396E-05	6.19437E-05	0.000222443	3587
3588	7.13851E-05	7.60334E-05	2.51377E-05	6.17312E-05	0.000209221	6.97464E-05	7.41862E-05	2.2511E-05	6.17312E-05	0.000216993	3588
3589	7.23891E-05	7.71244E-05	2.52767E-05	6.30465E-05	0.000206326	7.09462E-05	7.54762E-05	2.27509E-05	6.30465E-05	0.000213776	3589
3590	7.46434E-05	7.96418E-05	2.49131E-05	6.57448E-05	0.000197346	7.35792E-05	7.83561E-05	2.27564E-05	6.57448E-05	0.000203814	3590
3591	8.09199E-05	8.6464E-05	2.57601E-05	7.18442E-05	0.000192666	8.01238E-05	8.54114E-05	2.3868E-05	7.18442E-05	0.000196588	3591
3592	8.6272E-05	9.22096E-05	2.71976E-05	7.64561E-05	0.000181557	8.53815E-05	9.10354E-05	2.52296E-05	7.64561E-05	0.000184307	3592
3593	8.8724E-05	9.4795E-05	2.8322E-05	7.83828E-05	0.000173354	8.7669E-05	9.34506E-05	2.61575E-05	7.83828E-05	0.000175267	3593
3594	9.44326E-05	0.000100588	3.31882E-05	8.19507E-05	0.000168819	9.24004E-05	9.8286E-05	2.97822E-05	8.19507E-05	0.000170304	3594
3595	0.000101878	0.000107975	4.12188E-05	8.55448E-05	0.000152079	9.79585E-05	0.000103825	3.55412E-05	8.55448E-05	0.000155878	3595
3596	0.00010332	0.000109194	4.48783E-05	8.51751E-05	0.000135868	9.83856E-05	0.000104062	3.79908E-05	8.51751E-05	0.000141828	3596
3597	0.000100349	0.00010599	4.42206E-05	8.15717E-05	0.000122918	9.49845E-05	0.000100411	3.72482E-05	8.15717E-05	0.000129529	3597
3598	9.45856E-05	0.000100103	3.9692E-05	7.43849E-05	0.000111276	8.85583E-05	9.37265E-05	3.35735E-05	7.43849E-05	0.00011849	3598
3599	8.21516E-05	8.70933E-05	3.29853E-05	6.50813E-05	0.000106955	7.72498E-05	8.18579E-05	2.82237E-05	6.50813E-05	0.000113718	3599
3600	7.10477E-05	7.56454E-05	2.53047E-05	5.71425E-05	0.00010455	6.74532E-05	7.16984E-05	2.22881E-05	5.71425E-05	0.000111072	3600
3601	6.13397E-05	6.56678E-05	1.82788E-05	5.07329E-05	0.000104705	5.91525E-05	6.31177E-05	1.69673E-05	5.07329E-05	0.000111261	3601
3602	5.74694E-05	6.17248E-05	1.51315E-05	4.81803E-05	0.000108586	5.58723E-05	5.9752E-05	1.45961E-05	4.81803E-05	0.000115615	3602
3603	5.84288E-05	6.28541E-05	1.44013E-05	4.99756E-05	0.000116555	5.73308E-05	6.13757E-05	1.4296E-05	4.99756E-05	0.000124481	3603
3604	6.17948E-05	6.65117E-05	1.48653E-05	5.41585E-05	0.00012791	6.12509E-05	6.55926E-05	1.50592E-05	5.41585E-05	0.000137076	3604
3605	6.66872E-05	7.17103E-05	1.67114E-05	5.90659E-05	0.000140678	6.63261E-05	7.09803E-05	1.68098E-05	5.90659E-05	0.000151208	3605
3606	7.17618E-05	7.7042E-05	1.92284E-05	6.27927E-05	0.000151668	7.09275E-05	7.58251E-05	1.88218E-05	6.27927E-05	0.000163529	3606
3607	7.39992E-05	7.92039E-05	2.22169E-05	6.33329E-05	0.000208132	7.2309E-05	7.71525E-05	2.07787E-05	6.33329E-05	0.000213767	3607
3608	7.03487E-05	7.50812E-05	2.32649E-05	6.20035E-05	0.000211926	6.93817E-05	7.39011E-05	2.12991E-05	6.20035E-05	0.000218095	3608
3609	7.0687E-05	7.53741E-05	2.40538E-05	6.21671E-05	0.000215036	6.96003E-05	7.40869E-05	2.18674E-05	6.21671E-05	0.000221487	3609
3610	7.1452E-05	7.61134E-05	2.50741E-05	6.25262E-05	0.000215805	7.01511E-05	7.46208E-05	2.25984E-05	6.25262E-05	0.000222303	3610
3611	7.19758E-05	7.66216E-05	2.57534E-05	6.19437E-05	0.000215958	7.01564E-05	7.45944E-05	2.29396E-05	6.19437E-05	0.000222443	3611
3612	7.13851E-05	7.60334E-05	2.51377E-05	6.17312E-05	0.000209221	6.97464E-05	7.41862E-05	2.2511E-05	6.17312E-05	0.000216993	3612
3613	7.23891E-05	7.71244E-05	2.52767E-05	6.30465E-05	0.000206326	7.09462E-05	7.54762E-05	2.27509E-05	6.30465E-05	0.000213776	3613
3614	7.46434E-05	7.96418E-05	2.49131E-05	6.57448E-05	0.000197346	7.35792E-05	7.83561E-05	2.27564E-05	6.57448E-05	0.000203814	3614
3615	8.09199E-05	8.6464E-05	2.57601E-05	7.18442E-05	0.000192666	8.01238E-05	8.54114E-05	2.3868E-05	7.18442E-05	0.000196588	3615
3616	8.6272E-05	9.22096E-05	2.71976E-05	7.64561E-05	0.000181557	8.53815E-05	9.10354E-05	2.52296E-05	7.64561E-05	0.000184307	3616
3617	8.8724E-05	9.4795E-05	2.8322E-05	7.83828E-05	0.000173354	8.7669E-05	9.34506E-05	2.61575E-05	7.83828E-05	0.000175267	3617
3618	9.44326E-05	0.000100588	3.31882E-05	8.19507E-05	0.000168819	9.24004E-05	9.8286E-05	2.97822E-05	8.19507E-05	0.000170304	3618
3619	0.000101878	0.000107975	4.12188E-05	8.55448E-05	0.000152079	9.79585E-05	0.000103825	3.55412E-05	8.55448E-05	0.000155878	3619
3620	0.00010332	0.000109194	4.48783E-05	8.51751E-05	0.000135868	9.83856E-05	0.000104062	3.79908E-05	8.51751E-05	0.000141828	3620
3621	0.000100349	0.00010599	4.42206E-05	8.15717E-05	0.000122918	9.49845E-05	0.000100411	3.72482E-05	8.15717E-05	0.000129529	3621
3622	9.45856E-05	0.000100103	3.9692E-05	7.43849E-05	0.000111276	8.85583E-05	9.37265E-05	3.35735E-05	7.43849E-05	0.00011849	3622
3623	8.21516E-05	8.70933E-05	3.29853E-05	6.50813E-05	0.000106955	7.72498E-05	8.18579E-05	2.82237E-05	6.50813E-05	0.000113718	3623
3624	7.10477E-05	7.56454E-05	2.53047E-05	5.71425E-05	0.00010455	6.74532E-05	7.16984E-05	2.22881E-05	5.71425E-05	0.000111072	3624
3625	6.09357E-05	6.52307E-05	1.82042E-05	5.03284E-05	0.000105617	5.87275E-05	6.2661E-05	1.68791E-05	5.03284E-05	0.000112288	3625
3626	5.77196E-05	6.19964E-05	1.51686E-05	4.83725E-05	0.000107933	5.611E-05	6.00085E-05	1.46339E-05	4.83725E-05	0.000114887	3626
3627	5.83516E-05	6.27709E-05	1.43835E-05	4.98756E-05	0.000115776	5.72396E-05	6.12782E-05	1.42726E-05	4.98756E-05	0.000123613	3627
3628	6.14869E-05	6.61787E-05	1.4807E-05	5.38407E-05	0.000126984	6.09228E-05	6.52402E-05	1.49893E-05	5.38407E-05	0.000136046	3628
3629	6.64967E-05	7.15052E-05	1.66665E-05	5.88121E-05	0.000139329	6.60981E-05	7.07364E-05	1.67502E-05	5.88121E-05	0.000149711	3629
3630	7.14577E-05	7.67138E-05	1.91634E-05	6.2431E-05	0.000149815	7.05824E-05	7.54554E-05	1.8739E-05	6.2431E-05	0.000161477	3630
3631	7.22683E-05	7.73093E-05	2.21141E-05	6.29009E-05	0.000205688	7.10582E-05	7.57947E-05	2.06654E-05	6.29009E-05	0.000211062	3631
3632	7.01009E-05	7.48124E-05	2.32257E-05	6.17975E-05	0.000209226	6.91394E-05	7.364E-05	2.12571E-05	6.17975E-05	0.000215106	3632
3633	7.0513E-05	7.51848E-05	2.40319E-05	6.20586E-05	0.000212338	6.94461E-05	7.39199E-05	2.18483E-05	6.20586E-05	0.000218502	3633
3634	7.13985E-05	7.60558E-05	2.50616E-05	6.24555E-05	0.000213139	7.00874E-05	7.45526E-05	2.25818E-05	6.24555E-05	0.000219356	3634
3635	7.20205E-05	7.66698E-05	2.5763E-05	6.19972E-05	0.000213367	7.02072E-05	7.46489E-05	2.29519E-05	6.19972E-05	0.000219583	3635
3636	7.16331E-05	7.6302E-05	2.51819E-05	6.19694E-05	0.000206732	7.00029E-05	7.4462E-05	2.25621E-05	6.19694E-05	0.000214248	3636
3637	7.28529E-05	7.76267E-05	2.53573E-05	6.34784E-05	0.000204116	7.14199E-05	7.59858E-05	2.28427E-05	6.34784E-05	0.000211339	3637
3638	7.48671E-05	7.9885E-05	2.4943E-05	6.58952E-05	0.00019546	7.37823E-05	7.85758E-05	2.27841E-05	6.58952E-05	0.000201741	3638
3639	8.0603E-05	8.61217E-05	2.56962E-05	7.14915E-05	0.000190968	7.97749E-05	8.50372E-05	2.37887E-05	7.14915E-05	0.000194724	3639

3640	8.50467E-05	9.08823E-05	2.69871E-05	7.53301E-05	0.000179793	8.41367E-05	8.9696E-05	2.49913E-05	7.53301E-05	0.000182367	3640
3641	8.74535E-05	9.34193E-05	2.80996E-05	7.71884E-05	0.000171728	8.63665E-05	9.20496E-05	2.59027E-05	7.71884E-05	0.00017348	3641
3642	9.32032E-05	9.92568E-05	3.29748E-05	8.08068E-05	0.000167335	9.11452E-05	9.69357E-05	2.9539E-05	8.08068E-05	0.000168669	3642
3643	0.000100747	0.000106749	4.1025E-05	8.45091E-05	0.000150392	9.68109E-05	0.00010259	3.53223E-05	8.45091E-05	0.000154015	3643
3644	0.00010224	0.000108024	4.46915E-05	8.41743E-05	0.000134276	9.72848E-05	0.000102878	3.77783E-05	8.41743E-05	0.000140072	3644
3645	0.000100858	0.000106562	4.41043E-05	8.08218E-05	0.000121358	9.49681E-05	0.000100407	3.71068E-05	8.08218E-05	0.000127812	3645
3646	9.38418E-05	9.92974E-05	3.9563E-05	7.36933E-05	0.000109808	8.77992E-05	9.29098E-05	3.34266E-05	7.36933E-05	0.000116877	3646
3647	8.16922E-05	8.6596E-05	3.29034E-05	6.46398E-05	0.000105617	7.67746E-05	8.1347E-05	2.81288E-05	6.46398E-05	0.000112249	3647
3648	7.06646E-05	7.52306E-05	2.52367E-05	5.67758E-05	0.000103361	6.70576E-05	7.1273E-05	2.22094E-05	5.67758E-05	0.000109769	3648
3649	0.000117578	0.000106118	0.00023159	0.000125752	0.000115988	0.000114525	0.000103258	0.000234395	0.000125752	0.000123489	3649
3650	0.000110677	9.98804E-05	0.000218094	0.000119335	0.000119077	0.000108252	9.76113E-05	0.000221465	0.000119335	0.000126933	3650
3651	0.000105649	9.54325E-05	0.000207296	0.000114056	0.000127227	0.000103436	9.33494E-05	0.000210749	0.000114056	0.000135993	3651
3652	0.000105242	9.51389E-05	0.000205761	0.000113674	0.000139144	0.000103081	9.31008E-05	0.000209267	0.000113674	0.000149234	3652
3653	0.000113751	0.000102735	0.000223351	0.000122999	0.000151709	0.000111423	0.000100562	0.000226974	0.000122999	0.000163177	3653
3654	0.0001258	0.000113491	0.000248273	0.000135946	0.000159474	0.00012312	0.000111015	0.000251907	0.000135946	0.000171892	3654
3655	0.000137319	0.000123292	0.000276873	0.000150376	0.000212285	0.000134917	0.000121256	0.000280256	0.000150376	0.000218087	3655
3656	0.000138935	0.00012434	0.000284151	0.000154102	0.000215722	0.000137092	0.000122977	0.000287261	0.000154102	0.000221999	3656
3657	0.000141576	0.000126778	0.000288797	0.00015665	0.000218928	0.000139545	0.000125238	0.00029176	0.00015665	0.000225496	3657
3658	0.000151419	0.000135486	0.000309939	0.000167602	0.000220941	0.00014925	0.000133849	0.000313113	0.000167602	0.000227695	3658
3659	0.000166209	0.000148518	0.000342224	0.000184488	0.000224448	0.000164012	0.00014691	0.000345956	0.000184488	0.000231553	3659
3660	0.000184857	0.000164901	0.000383402	0.000206688	0.000218425	0.000183018	0.000163717	0.000388368	0.000206688	0.000226901	3660
3661	0.000192398	0.000171563	0.000399689	0.000215553	0.000217687	0.000190662	0.000170507	0.000405097	0.000215553	0.000226097	3661
3662	0.000194205	0.000173163	0.000403557	0.000218143	0.000210424	0.000192703	0.000172339	0.00040935	0.000218143	0.000218026	3662
3663	0.000192965	0.000172199	0.000399567	0.00021672	0.00020579	0.000191491	0.00017139	0.000405348	0.00021672	0.000210891	3663
3664	0.000209236	0.000186571	0.000434736	0.000235412	0.000193962	0.00020779	0.000185851	0.000441209	0.000235412	0.000197804	3664
3665	0.000218791	0.000195036	0.00045513	0.000246121	0.000186407	0.000217248	0.000194257	0.000461859	0.000246121	0.000189473	3665
3666	0.000213869	0.000191067	0.000440732	0.000237627	0.000182471	0.000211139	0.000189095	0.000445665	0.000237627	0.000185164	3666
3667	0.000206478	0.000185071	0.000419462	0.000224322	0.00016526	0.000201712	0.000181067	0.000421359	0.000224322	0.000170227	3667
3668	0.000196141	0.000176222	0.000394324	0.000209867	0.000147879	0.000190272	0.000171093	0.000394321	0.000209867	0.000154878	3668
3669	0.000188155	0.00016959	0.000372865	0.000197906	0.000134155	0.000181317	0.000163363	0.000372328	0.000197906	0.000141711	3669
3670	0.00017044	0.000154206	0.000331963	0.000176562	0.000121682	0.000163379	0.000147576	0.000331503	0.000176562	0.00012974	3670
3671	0.00015013	0.000135797	0.000292729	0.000156093	0.000116762	0.000144202	0.000130218	0.000292977	0.000156093	0.000124294	3671
3672	0.000135948	0.000122834	0.000266423	0.00014345	0.000112205	0.000131522	0.000118682	0.000268119	0.00014345	0.000119274	3672
3673	0.000117578	0.000106118	0.00023159	0.000125752	0.000115988	0.000114525	0.000103258	0.000234395	0.000125752	0.000123489	3673
3674	0.000110677	9.98804E-05	0.000218094	0.000119335	0.000119077	0.000108252	9.76113E-05	0.000221465	0.000119335	0.000126933	3674
3675	0.000105649	9.54325E-05	0.000207296	0.000114056	0.000127227	0.000103436	9.33494E-05	0.000210749	0.000114056	0.000135993	3675
3676	0.000105242	9.51389E-05	0.000205761	0.000113674	0.000139144	0.000103081	9.31008E-05	0.000209267	0.000113674	0.000149234	3676
3677	0.000113751	0.000102735	0.000223351	0.000122999	0.000151709	0.000111423	0.000100562	0.000226974	0.000122999	0.000163177	3677
3678	0.0001258	0.000113491	0.000248273	0.000135946	0.000159474	0.00012312	0.000111015	0.000251907	0.000135946	0.000171892	3678
3679	0.000137319	0.000123292	0.000276873	0.000150376	0.000212285	0.000134917	0.000121256	0.000280256	0.000150376	0.000218087	3679
3680	0.000138935	0.00012434	0.000284151	0.000154102	0.000215722	0.000137092	0.000122977	0.000287261	0.000154102	0.000221999	3680
3681	0.000141576	0.000126778	0.000288797	0.00015665	0.000218928	0.000139545	0.000125238	0.00029176	0.00015665	0.000225496	3681
3682	0.000151419	0.000135486	0.000309939	0.000167602	0.000220941	0.00014925	0.000133849	0.000313113	0.000167602	0.000227695	3682
3683	0.000166209	0.000148518	0.000342224	0.000184488	0.000224448	0.000164012	0.00014691	0.000345956	0.000184488	0.000231553	3683
3684	0.000184857	0.000164901	0.000383402	0.000206688	0.000218425	0.000183018	0.000163717	0.000388368	0.000206688	0.000226901	3684
3685	0.000192398	0.000171563	0.000399689	0.000215553	0.000217687	0.000190662	0.000170507	0.000405097	0.000215553	0.000226097	3685
3686	0.000194205	0.000173163	0.000403557	0.000218143	0.000210424	0.000192703	0.000172339	0.00040935	0.000218143	0.000218026	3686
3687	0.000192965	0.000172199	0.000399567	0.00021672	0.00020579	0.000191491	0.00017139	0.000405348	0.00021672	0.000210891	3687
3688	0.000209236	0.000186571	0.000434736	0.000235412	0.000193962	0.00020779	0.000185851	0.000441209	0.000235412	0.000197804	3688
3689	0.000218791	0.000195036	0.00045513	0.000246121	0.000186407	0.000217248	0.000194257	0.000461859	0.000246121	0.000189473	3689
3690	0.000213869	0.000191067	0.000440732	0.000237627	0.000182471	0.000211139	0.000189095	0.000445665	0.000237627	0.000185164	3690
3691	0.000206478	0.000185071	0.000419462	0.000224322	0.00016526	0.000201712	0.000181067	0.000421359	0.000224322	0.000170227	3691
3692	0.000196141	0.000176222	0.000394324	0.000209867	0.000147879	0.000190272	0.000171093	0.000394321	0.000209867	0.000154878	3692
3693	0.000188155	0.00016959	0.000372865	0.000197906	0.000134155	0.000181317	0.000163363	0.000372328	0.000197906	0.000141711	3693
3694	0.00017044	0.000154206	0.000331963	0.000176562	0.000121682	0.000163379	0.000147576	0.000331503	0.000176562	0.00012974	3694
3695	0.00015013	0.000135797	0.000292729	0.000156093	0.000116762	0.000144202	0.000130218	0.000292977	0.000156093	0.000124294	3695
3696	0.000135948	0.000122834	0.000266423	0.00014345	0.000112205	0.000131522	0.000118682	0.000268119	0.00014345	0.000119274	3696
3697	0.000117578	0.000106118	0.00023159	0.000125752	0.000115988	0.000114525	0.000103258	0.000234395	0.000125752	0.000123489	3697
3698	0.000110677	9.98804E-05	0.000218094	0.000119335	0.000119077	0.000108252	9.76113E-05	0.000221465	0.000119335	0.000126933	3698
3699	0.000105649	9.54325E-05	0.000207296	0.000114056	0.000127227	0.000103436	9.33494E-05	0.000210749	0.000114056	0.000135993	3699
3700	0.000105242	9.51389E-05	0.000205761	0.000113674	0.000139144	0.000103081	9.31008E-05	0.000209267	0.000113674	0.000149234	3700
3701	0.000113751	0.000102735	0.000223351	0.000122999	0.000151709	0.000111423	0.000100562	0.000226974	0.000122999	0.000163177	3701
3702	0.0001258	0.000113491	0.000248273	0.000135946	0.000159474	0.00012312	0.000111015	0.000251907	0.000135946	0.000171892	3702
3703	0.000137319	0.000123292	0.000276873	0.000150376	0.000212285	0.000134917	0.000121256	0.000280256	0.000150376	0.000218087	3703
3704	0.000138935	0.00012434	0.000284151	0.000154102	0.000215722	0.000137092	0.000122977	0.000287261	0.000154102	0.000221999	3704
3705	0.000141576	0.000126778	0.000288797	0.00015665	0.000218928	0.000139545	0.000125238	0.00029176	0.00015665	0.000225496	3705
3706	0.000151419	0.000135486	0.000309939	0.000167602	0.000220941	0.00014925	0.000133849	0.000313113	0.000167602	0.000227695	3706
3707	0.000166209	0.000148518	0.000342224	0.000184488	0.000224448	0.000164012	0.00014691	0.000345956	0.000184488	0.000231553	3707
3708	0.000184857	0.000164901	0.000383402	0.000206688	0.000218425	0.000183018	0.000163717	0.000388368	0.000206688	0.000226901	3708
3709	0.000192398	0.000171563	0.000399689	0.000215553	0.000217687	0.000190662	0.000170507	0.000405097	0.000215553	0.000226097	3709
3710	0.000194205	0.000173163	0.000403557	0.000218143	0.000210424	0.000192703	0.000172339	0.00040935	0.000218143	0.000218026	3710
3711	0.000192965	0.000172199	0.000399567	0.00021672	0.00020579	0.000191491	0.00017139	0.000405348	0.00021672	0.000210891	3711
3712	0.000209236	0.000186571	0.000434736	0.000235412	0.000193962	0.00020779	0.000185851	0.000441209	0.000235412	0.000197804	3712
3713	0.000218791	0.000195036	0.00045513	0.000246121	0.000186407	0.000217248	0.000194257	0.000461859	0.000246121	0.000189473	3713
3714	0.000213869	0.000191067	0.000440732	0.000237627	0.000182471	0.000211139	0.000189095	0.000445665	0.000237627	0.000185164	3714
3715	0.000206478	0.000185071	0.000419462	0.000224322	0.00016526	0.000201712	0.000181067	0.000421359	0.000224322	0.000170227	3715

3716	0.000196141	0.000176222	0.000394324	0.000209867	0.000147879	0.000190272	0.000171093	0.000394321	0.000209867	0.000154878	3716
3717	0.000188155	0.00016959	0.000372865	0.000197906	0.000134155	0.000181317	0.000163363	0.000372328	0.000197906	0.000141711	3717
3718	0.00017044	0.000154206	0.000331963	0.000176562	0.000121682	0.000163379	0.000147576	0.000331503	0.000176562	0.00012974	3718
3719	0.00015013	0.000135797	0.000292729	0.000156093	0.000116762	0.000144202	0.000130218	0.000292977	0.000156093	0.000124294	3719
3720	0.000135948	0.000122834	0.000266423	0.00014345	0.000112205	0.000131522	0.000118682	0.000268119	0.00014345	0.000119274	3720
3721	0.000117798	0.000106306	0.000232139	0.000126017	0.000115963	0.000114749	0.000103451	0.000234958	0.000126017	0.00012346	3721
3722	0.000110774	9.9961E-05	0.000218354	0.000119453	0.000118994	0.000108352	9.76947E-05	0.000221732	0.000119453	0.000126839	3722
3723	0.00010572	9.54924E-05	0.000207478	0.000114142	0.000127071	0.000103509	9.34111E-05	0.000210936	0.000114142	0.000135816	3723
3724	0.000105203	9.51012E-05	0.000205708	0.000113632	0.000139032	0.000103043	9.30635E-05	0.000209212	0.000113632	0.000149109	3724
3725	0.000113609	0.000102607	0.000223073	0.000122836	0.00015151	0.00011128	0.000100432	0.00022669	0.000122836	0.000162952	3725
3726	0.000125367	0.000113113	0.000247288	0.000135435	0.000159235	0.000122681	0.000110629	0.000250898	0.000135435	0.000171618	3726
3727	0.000138657	0.000124784	0.000276688	0.000150394	0.00021213	0.000135758	0.000122194	0.000280066	0.000150394	0.000217903	3727
3728	0.00013882	0.000124239	0.000283885	0.000153965	0.000215577	0.000136975	0.000122875	0.000286988	0.000153965	0.000221823	3728
3729	0.000141652	0.000126842	0.000289007	0.000156744	0.000218846	0.000139624	0.000125304	0.000291975	0.000156744	0.000225391	3729
3730	0.000152463	0.0001364	0.000312272	0.000168829	0.000220956	0.000150306	0.000134779	0.000315505	0.000168829	0.000227696	3730
3731	0.000167917	0.00015002	0.000345978	0.00018649	0.000224689	0.000165739	0.000148439	0.000349804	0.00018649	0.000231806	3731
3732	0.000186762	0.000166587	0.000387489	0.000208911	0.000218672	0.000184943	0.000165428	0.000392557	0.000208911	0.000227159	3732
3733	0.000194169	0.000173134	0.000403455	0.000217616	0.000217856	0.000192451	0.000172101	0.000408957	0.000217616	0.000226269	3733
3734	0.000197358	0.000175951	0.000410343	0.000221824	0.000210513	0.000195888	0.00017517	0.000416307	0.000221824	0.000218109	3734
3735	0.000196094	0.000174969	0.000406272	0.000220371	0.000205798	0.000194652	0.000174202	0.000412221	0.000220371	0.000210883	3735
3736	0.000212667	0.00018961	0.000442064	0.000239411	0.000194253	0.000211255	0.000188934	0.000448721	0.000239411	0.000198112	3736
3737	0.000222988	0.000198744	0.000464198	0.000251025	0.000186709	0.00022149	0.000198023	0.000471155	0.000251025	0.000189792	3737
3738	0.00021784	0.000194574	0.00044932	0.000242268	0.000182877	0.000215152	0.000192658	0.000454469	0.000242268	0.000185602	3738
3739	0.000209945	0.00018813	0.00042699	0.000228377	0.000165614	0.000205216	0.000184175	0.000429077	0.000228377	0.000170609	3739
3740	0.000199083	0.000178818	0.000400709	0.000213308	0.000148204	0.000193246	0.000173731	0.000400867	0.000213308	0.000155227	3740
3741	0.000189279	0.000170273	0.00037838	0.000200767	0.000134345	0.000182965	0.000164635	0.000377983	0.000200767	0.000141914	3741
3742	0.000172338	0.000155877	0.000336115	0.000178785	0.000121883	0.000165298	0.000149275	0.00033576	0.000178785	0.000129953	3742
3743	0.000151937	0.000137384	0.000296733	0.000158215	0.000116895	0.000146031	0.000131833	0.000297082	0.000158215	0.000124431	3743
3744	0.000137395	0.000124119	0.000269477	0.000145133	0.000112419	0.000132982	0.000119986	0.00027125	0.000145133	0.000119502	3744
3745	0.000117798	0.000106306	0.000232139	0.000126017	0.000115963	0.000114749	0.000103451	0.000234958	0.000126017	0.00012346	3745
3746	0.000110774	9.9961E-05	0.000218354	0.000119453	0.000118994	0.000108352	9.76947E-05	0.000221732	0.000119453	0.000126839	3746
3747	0.00010572	9.54924E-05	0.000207478	0.000114142	0.000127071	0.000103509	9.34111E-05	0.000210936	0.000114142	0.000135816	3747
3748	0.000105203	9.51012E-05	0.000205708	0.000113632	0.000139032	0.000103043	9.30635E-05	0.000209212	0.000113632	0.000149109	3748
3749	0.000113609	0.000102607	0.000223073	0.000122836	0.00015151	0.00011128	0.000100432	0.00022669	0.000122836	0.000162952	3749
3750	0.000125367	0.000113113	0.000247288	0.000135435	0.000159235	0.000122681	0.000110629	0.000250898	0.000135435	0.000171618	3750
3751	0.000138657	0.000124784	0.000276688	0.000150394	0.00021213	0.000135758	0.000122194	0.000280066	0.000150394	0.000217903	3751
3752	0.00013882	0.000124239	0.000283885	0.000153965	0.000215577	0.000136975	0.000122875	0.000286988	0.000153965	0.000221823	3752
3753	0.000141652	0.000126842	0.000289007	0.000156744	0.000218846	0.000139624	0.000125304	0.000291975	0.000156744	0.000225391	3753
3754	0.000152463	0.0001364	0.000312272	0.000168829	0.000220956	0.000150306	0.000134779	0.000315505	0.000168829	0.000227696	3754
3755	0.000167917	0.00015002	0.000345978	0.00018649	0.000224689	0.000165739	0.000148439	0.000349804	0.00018649	0.000231806	3755
3756	0.000186762	0.000166587	0.000387489	0.000208911	0.000218672	0.000184943	0.000165428	0.000392557	0.000208911	0.000227159	3756
3757	0.000194169	0.000173134	0.000403455	0.000217616	0.000217856	0.000192451	0.000172101	0.000408957	0.000217616	0.000226269	3757
3758	0.000197358	0.000175951	0.000410343	0.000221824	0.000210513	0.000195888	0.00017517	0.000416307	0.000221824	0.000218109	3758
3759	0.000196094	0.000174969	0.000406272	0.000220371	0.000205798	0.000194652	0.000174202	0.000412221	0.000220371	0.000210883	3759
3760	0.000212667	0.00018961	0.000442064	0.000239411	0.000194253	0.000211255	0.000188934	0.000448721	0.000239411	0.000198112	3760
3761	0.000222988	0.000198744	0.000464198	0.000251025	0.000186709	0.00022149	0.000198023	0.000471155	0.000251025	0.000189792	3761
3762	0.00021784	0.000194574	0.00044932	0.000242268	0.000182877	0.000215152	0.000192658	0.000454469	0.000242268	0.000185602	3762
3763	0.000209945	0.00018813	0.00042699	0.000228377	0.000165614	0.000205216	0.000184175	0.000429077	0.000228377	0.000170609	3763
3764	0.000199083	0.000178818	0.000400709	0.000213308	0.000148204	0.000193246	0.000173731	0.000400867	0.000213308	0.000155227	3764
3765	0.000189279	0.000170273	0.00037838	0.000200767	0.000134345	0.000182965	0.000164635	0.000377983	0.000200767	0.000141914	3765
3766	0.000172338	0.000155877	0.000336115	0.000178785	0.000121883	0.000165298	0.000149275	0.00033576	0.000178785	0.000129953	3766
3767	0.000151937	0.000137384	0.000296733	0.000158215	0.000116895	0.000146031	0.000131833	0.000297082	0.000158215	0.000124431	3767
3768	0.000137395	0.000124119	0.000269477	0.000145133	0.000112419	0.000132982	0.000119986	0.00027125	0.000145133	0.000119502	3768
3769	0.000117578	0.000106118	0.00023159	0.000125752	0.000115988	0.000114525	0.000103258	0.000234395	0.000125752	0.000123489	3769
3770	0.000110677	9.98804E-05	0.000218094	0.000119335	0.000119077	0.000108252	9.76113E-05	0.000221465	0.000119335	0.000126933	3770
3771	0.000105649	9.54325E-05	0.000207296	0.000114056	0.000127227	0.000103436	9.33494E-05	0.000210749	0.000114056	0.000135993	3771
3772	0.000105242	9.51389E-05	0.000205761	0.000113674	0.000139144	0.000103081	9.31008E-05	0.000209267	0.000113674	0.000149234	3772
3773	0.000113751	0.000102735	0.000223351	0.000122999	0.000151709	0.000111423	0.000100562	0.000226974	0.000122999	0.000163177	3773
3774	0.0001258	0.000113491	0.000248273	0.000135946	0.000159474	0.00012312	0.000111015	0.000251907	0.000135946	0.000171892	3774
3775	0.000137319	0.000123292	0.000276873	0.000150376	0.000212285	0.000134917	0.000121256	0.000280256	0.000150376	0.000218087	3775
3776	0.000138935	0.00012434	0.000284151	0.000154102	0.000215722	0.000137092	0.000122977	0.000287261	0.000154102	0.000221999	3776
3777	0.000141576	0.000126778	0.000288797	0.00015665	0.000218928	0.000139545	0.000125238	0.00029176	0.00015665	0.000225496	3777
3778	0.000151419	0.000135486	0.000309939	0.000167602	0.000220941	0.00014925	0.000133849	0.000313113	0.000167602	0.000227695	3778
3779	0.000166209	0.000148518	0.000342224	0.000184488	0.000224448	0.000164012	0.00014691	0.000345956	0.000184488	0.000231553	3779
3780	0.000184857	0.000164901	0.000383402	0.000206688	0.000218425	0.000183018	0.000163717	0.000388368	0.000206688	0.000226901	3780
3781	0.000192398	0.000171563	0.000399689	0.000215553	0.000217687	0.000190662	0.000170507	0.000405097	0.000215553	0.000226097	3781
3782	0.000194205	0.000173163	0.000403557	0.000218143	0.000210424	0.000192703	0.000172339	0.00040935	0.000218143	0.000218026	3782
3783	0.000192965	0.000172199	0.000399567	0.00021672	0.00020579	0.000191491	0.00017139	0.000405348	0.00021672	0.000210891	3783
3784	0.000209236	0.000186571	0.000434736	0.000235412	0.000193962	0.00020779	0.000185851	0.000441209	0.000235412	0.000197804	3784
3785	0.000218791	0.000195036	0.00045513	0.000246121	0.000186407	0.000217248	0.000194257	0.000461859	0.000246121	0.000189473	3785
3786	0.000213869	0.000191067	0.000440732	0.000237627	0.000182471	0.000211139	0.000189095	0.000445665	0.000237627	0.000185164	3786
3787	0.000206478	0.000185071	0.000419462	0.000224322	0.00016526	0.000201712	0.000181067	0.000421359	0.000224322	0.000170227	3787
3788	0.000196141	0.000176222	0.000394324	0.000209867	0.000147879	0.000190272	0.000171093	0.000394321	0.000209867	0.000154878	3788
3789	0.000188155	0.00016959	0.000372865	0.000197906	0.000134155	0.000181317	0.000163363	0.000372328	0.000197906	0.000141711	3789
3790	0.00017044	0.000154206	0.000331963	0.000176562	0.000121682	0.000163379	0.000147576	0.000331503	0.000176562	0.00012974	3790
3791	0.00015013	0.000135797	0.000292729	0.000156093	0.000116762	0.000144202	0.000130218	0.000292977	0.000156093	0.000124294	3791

3792	0.000135948	0.000122834	0.000266423	0.00014345	0.000112205	0.000131522	0.000118682	0.000268119	0.00014345	0.000119274	3792
3793	0.000117578	0.000106118	0.00023159	0.000125752	0.000115988	0.000114525	0.000103258	0.000234395	0.000125752	0.000123489	3793
3794	0.000110677	9.98804E-05	0.000218094	0.000119335	0.000119077	0.000108252	9.76113E-05	0.000221465	0.000119335	0.000126933	3794
3795	0.000105649	9.54325E-05	0.000207296	0.000114056	0.000127227	0.000103436	9.33494E-05	0.000210749	0.000114056	0.000135993	3795
3796	0.000105242	9.51389E-05	0.000205761	0.000113674	0.000139144	0.000103081	9.31008E-05	0.000209267	0.000113674	0.000149234	3796
3797	0.000113751	0.000102735	0.000223351	0.000122999	0.000151709	0.000111423	0.000100562	0.000226974	0.000122999	0.000163177	3797
3798	0.0001258	0.000113491	0.000248273	0.000135946	0.000159474	0.00012312	0.000111015	0.000251907	0.000135946	0.000171892	3798
3799	0.000137319	0.000123292	0.000276873	0.000150376	0.000212285	0.000134917	0.000121256	0.000280256	0.000150376	0.000218087	3799
3800	0.000138935	0.00012434	0.000284151	0.000154102	0.000215722	0.000137092	0.000122977	0.000287261	0.000154102	0.000221999	3800
3801	0.000141576	0.000126778	0.000288797	0.00015665	0.000218928	0.000139545	0.000125238	0.00029176	0.00015665	0.000225496	3801
3802	0.000151419	0.000135486	0.000309939	0.000167602	0.000220941	0.00014925	0.000133849	0.000313113	0.000167602	0.000227695	3802
3803	0.000166209	0.000148518	0.000342224	0.000184488	0.000224448	0.000164012	0.00014691	0.000345956	0.000184488	0.000231553	3803
3804	0.000184857	0.000164901	0.000383402	0.000206688	0.000218425	0.000183018	0.000163717	0.000388368	0.000206688	0.000226901	3804
3805	0.000192398	0.000171563	0.000399689	0.000215553	0.000217687	0.000190662	0.000170507	0.000405097	0.000215553	0.000226097	3805
3806	0.000194205	0.000173163	0.000403557	0.000218143	0.000210424	0.000192703	0.000172339	0.00040935	0.000218143	0.000218026	3806
3807	0.000192965	0.000172199	0.000399567	0.00021672	0.00020579	0.000191491	0.00017139	0.000405348	0.00021672	0.000210891	3807
3808	0.000209236	0.000186571	0.000434736	0.000235412	0.000193962	0.00020779	0.000185851	0.000441209	0.000235412	0.000197804	3808
3809	0.000218791	0.000195036	0.00045513	0.000246121	0.000186407	0.000217248	0.000194257	0.000461859	0.000246121	0.000189473	3809
3810	0.000213869	0.000191067	0.000440732	0.000237627	0.000182471	0.000211139	0.000189095	0.000445665	0.000237627	0.000185164	3810
3811	0.000206478	0.000185071	0.000419462	0.000224322	0.00016526	0.000201712	0.000181067	0.000421359	0.000224322	0.000170227	3811
3812	0.000196141	0.000176222	0.000394324	0.000209867	0.000147879	0.000190272	0.000171093	0.000394321	0.000209867	0.000154878	3812
3813	0.000188155	0.00016959	0.000372865	0.000197906	0.000134155	0.000181317	0.000163363	0.000372328	0.000197906	0.000141711	3813
3814	0.00017044	0.000154206	0.000331963	0.000176562	0.000121682	0.000163379	0.000147576	0.000331503	0.000176562	0.00012974	3814
3815	0.00015013	0.000135797	0.000292729	0.000156093	0.000116762	0.000144202	0.000130218	0.000292977	0.000156093	0.000124294	3815
3816	0.000135948	0.000122834	0.000266423	0.00014345	0.000112205	0.000131522	0.000118682	0.000268119	0.00014345	0.000119274	3816
3817	0.000117578	0.000106118	0.00023159	0.000125752	0.000115988	0.000114525	0.000103258	0.000234395	0.000125752	0.000123489	3817
3818	0.000110677	9.98804E-05	0.000218094	0.000119335	0.000119077	0.000108252	9.76113E-05	0.000221465	0.000119335	0.000126933	3818
3819	0.000105649	9.54325E-05	0.000207296	0.000114056	0.000127227	0.000103436	9.33494E-05	0.000210749	0.000114056	0.000135993	3819
3820	0.000105242	9.51389E-05	0.000205761	0.000113674	0.000139144	0.000103081	9.31008E-05	0.000209267	0.000113674	0.000149234	3820
3821	0.000113751	0.000102735	0.000223351	0.000122999	0.000151709	0.000111423	0.000100562	0.000226974	0.000122999	0.000163177	3821
3822	0.0001258	0.000113491	0.000248273	0.000135946	0.000159474	0.00012312	0.000111015	0.000251907	0.000135946	0.000171892	3822
3823	0.000137319	0.000123292	0.000276873	0.000150376	0.000212285	0.000134917	0.000121256	0.000280256	0.000150376	0.000218087	3823
3824	0.000138935	0.00012434	0.000284151	0.000154102	0.000215722	0.000137092	0.000122977	0.000287261	0.000154102	0.000221999	3824
3825	0.000141576	0.000126778	0.000288797	0.00015665	0.000218928	0.000139545	0.000125238	0.00029176	0.00015665	0.000225496	3825
3826	0.000151419	0.000135486	0.000309939	0.000167602	0.000220941	0.00014925	0.000133849	0.000313113	0.000167602	0.000227695	3826
3827	0.000166209	0.000148518	0.000342224	0.000184488	0.000224448	0.000164012	0.00014691	0.000345956	0.000184488	0.000231553	3827
3828	0.000184857	0.000164901	0.000383402	0.000206688	0.000218425	0.000183018	0.000163717	0.000388368	0.000206688	0.000226901	3828
3829	0.000192398	0.000171563	0.000399689	0.000215553	0.000217687	0.000190662	0.000170507	0.000405097	0.000215553	0.000226097	3829
3830	0.000194205	0.000173163	0.000403557	0.000218143	0.000210424	0.000192703	0.000172339	0.00040935	0.000218143	0.000218026	3830
3831	0.000192965	0.000172199	0.000399567	0.00021672	0.00020579	0.000191491	0.00017139	0.000405348	0.00021672	0.000210891	3831
3832	0.000209236	0.000186571	0.000434736	0.000235412	0.000193962	0.00020779	0.000185851	0.000441209	0.000235412	0.000197804	3832
3833	0.000218791	0.000195036	0.00045513	0.000246121	0.000186407	0.000217248	0.000194257	0.000461859	0.000246121	0.000189473	3833
3834	0.000213869	0.000191067	0.000440732	0.000237627	0.000182471	0.000211139	0.000189095	0.000445665	0.000237627	0.000185164	3834
3835	0.000206478	0.000185071	0.000419462	0.000224322	0.00016526	0.000201712	0.000181067	0.000421359	0.000224322	0.000170227	3835
3836	0.000196141	0.000176222	0.000394324	0.000209867	0.000147879	0.000190272	0.000171093	0.000394321	0.000209867	0.000154878	3836
3837	0.000188155	0.00016959	0.000372865	0.000197906	0.000134155	0.000181317	0.000163363	0.000372328	0.000197906	0.000141711	3837
3838	0.00017044	0.000154206	0.000331963	0.000176562	0.000121682	0.000163379	0.000147576	0.000331503	0.000176562	0.00012974	3838
3839	0.00015013	0.000135797	0.000292729	0.000156093	0.000116762	0.000144202	0.000130218	0.000292977	0.000156093	0.000124294	3839
3840	0.000135948	0.000122834	0.000266423	0.00014345	0.000112205	0.000131522	0.000118682	0.000268119	0.00014345	0.000119274	3840
3841	0.000117578	0.000106118	0.00023159	0.000125752	0.000115988	0.000114525	0.000103258	0.000234395	0.000125752	0.000123489	3841
3842	0.000110677	9.98804E-05	0.000218094	0.000119335	0.000119077	0.000108252	9.76113E-05	0.000221465	0.000119335	0.000126933	3842
3843	0.000105649	9.54325E-05	0.000207296	0.000114056	0.000127227	0.000103436	9.33494E-05	0.000210749	0.000114056	0.000135993	3843
3844	0.000105242	9.51389E-05	0.000205761	0.000113674	0.000139144	0.000103081	9.31008E-05	0.000209267	0.000113674	0.000149234	3844
3845	0.000113751	0.000102735	0.000223351	0.000122999	0.000151709	0.000111423	0.000100562	0.000226974	0.000122999	0.000163177	3845
3846	0.0001258	0.000113491	0.000248273	0.000135946	0.000159474	0.00012312	0.000111015	0.000251907	0.000135946	0.000171892	3846
3847	0.000137319	0.000123292	0.000276873	0.000150376	0.000212285	0.000134917	0.000121256	0.000280256	0.000150376	0.000218087	3847
3848	0.000138935	0.00012434	0.000284151	0.000154102	0.000215722	0.000137092	0.000122977	0.000287261	0.000154102	0.000221999	3848
3849	0.000141576	0.000126778	0.000288797	0.00015665	0.000218928	0.000139545	0.000125238	0.00029176	0.00015665	0.000225496	3849
3850	0.000151419	0.000135486	0.000309939	0.000167602	0.000220941	0.00014925	0.000133849	0.000313113	0.000167602	0.000227695	3850
3851	0.000166209	0.000148518	0.000342224	0.000184488	0.000224448	0.000164012	0.00014691	0.000345956	0.000184488	0.000231553	3851
3852	0.000184857	0.000164901	0.000383402	0.000206688	0.000218425	0.000183018	0.000163717	0.000388368	0.000206688	0.000226901	3852
3853	0.000192398	0.000171563	0.000399689	0.000215553	0.000217687	0.000190662	0.000170507	0.000405097	0.000215553	0.000226097	3853
3854	0.000194205	0.000173163	0.000403557	0.000218143	0.000210424	0.000192703	0.000172339	0.00040935	0.000218143	0.000218026	3854
3855	0.000192965	0.000172199	0.000399567	0.00021672	0.00020579	0.000191491	0.00017139	0.000405348	0.00021672	0.000210891	3855
3856	0.000209236	0.000186571	0.000434736	0.000235412	0.000193962	0.00020779	0.000185851	0.000441209	0.000235412	0.000197804	3856
3857	0.000218791	0.000195036	0.00045513	0.000246121	0.000186407	0.000217248	0.000194257	0.000461859	0.000246121	0.000189473	3857
3858	0.000213869	0.000191067	0.000440732	0.000237627	0.000182471	0.000211139	0.000189095	0.000445665	0.000237627	0.000185164	3858
3859	0.000206478	0.000185071	0.000419462	0.000224322	0.00016526	0.000201712	0.000181067	0.000421359	0.000224322	0.000170227	3859
3860	0.000196141	0.000176222	0.000394324	0.000209867	0.000147879	0.000190272	0.000171093	0.000394321	0.000209867	0.000154878	3860
3861	0.000188155	0.00016959	0.000372865	0.000197906	0.000134155	0.000181317	0.000163363	0.000372328	0.000197906	0.000141711	3861
3862	0.00017044	0.000154206	0.000331963	0.000176562	0.000121682	0.000163379	0.000147576	0.000331503	0.000176562	0.00012974	3862
3863	0.00015013	0.000135797	0.000292729	0.000156093	0.000116762	0.000144202	0.000130218	0.000292977	0.000156093	0.000124294	3863
3864	0.000135948	0.000122834	0.000266423	0.00014345	0.000112205	0.000131522	0.000118682	0.000268119	0.00014345	0.000119274	3864
3865	0.000117578	0.000106118	0.00023159	0.000125752	0.000115988	0.000114525	0.000103258	0.000234395	0.000125752	0.000123489	3865
3866	0.000110677	9.98804E-05	0.000218094	0.000119335	0.000119077	0.000108252	9.76113E-05	0.000221465	0.000119335	0.000126933	3866
3867	0.000105649	9.54325E-05	0.000207296	0.000114056	0.000127227	0.000103436	9.33494E-05	0.000210749	0.000114056	0.000135993	3867

3868	0.000105242	9.51389E-05	0.000205761	0.000113674	0.000139144	0.000103081	9.31008E-05	0.000209267	0.000113674	0.000149234	3868
3869	0.000113751	0.000102735	0.000223351	0.000122999	0.000151709	0.000111423	0.000100562	0.000226974	0.000122999	0.000163177	3869
3870	0.0001258	0.000113491	0.000248273	0.000135946	0.000159474	0.00012312	0.000111015	0.000251907	0.000135946	0.000171892	3870
3871	0.000137319	0.000123292	0.000276873	0.000150376	0.000212285	0.000134917	0.000121256	0.000280256	0.000150376	0.000218087	3871
3872	0.000138935	0.00012434	0.000284151	0.000154102	0.000215722	0.000137092	0.000122977	0.000287261	0.000154102	0.000221999	3872
3873	0.000141576	0.000126778	0.000288797	0.00015665	0.000218928	0.000139545	0.000125238	0.00029176	0.00015665	0.000225496	3873
3874	0.000151419	0.000135486	0.000309939	0.000167602	0.000220941	0.00014925	0.000133849	0.000313113	0.000167602	0.000227695	3874
3875	0.000166209	0.000148518	0.000342224	0.000184488	0.000224448	0.000164012	0.00014691	0.000345956	0.000184488	0.000231553	3875
3876	0.000184857	0.000164901	0.000383402	0.000206688	0.000218425	0.000183018	0.000163717	0.000388368	0.000206688	0.000226901	3876
3877	0.000192398	0.000171563	0.000399689	0.000215553	0.000217687	0.000190662	0.000170507	0.000405097	0.000215553	0.000226097	3877
3878	0.000194205	0.000173163	0.000403557	0.000218143	0.000210424	0.000192703	0.000172339	0.00040935	0.000218143	0.000218026	3878
3879	0.000192965	0.000172199	0.000399567	0.00021672	0.00020579	0.000191491	0.00017139	0.000405348	0.00021672	0.000210891	3879
3880	0.000209236	0.000186571	0.000434736	0.000235412	0.000193962	0.00020779	0.000185851	0.000441209	0.000235412	0.000197804	3880
3881	0.000218791	0.000195036	0.00045513	0.000246121	0.000186407	0.000217248	0.000194257	0.000461859	0.000246121	0.000189473	3881
3882	0.000213869	0.000191067	0.000440732	0.000237627	0.000182471	0.000211139	0.000189095	0.000445665	0.000237627	0.000185164	3882
3883	0.000206478	0.000185071	0.000419462	0.000224322	0.00016526	0.000201712	0.000181067	0.000421359	0.000224322	0.000170227	3883
3884	0.000196141	0.000176222	0.000394324	0.000209867	0.000147879	0.000190272	0.000171093	0.000394321	0.000209867	0.000154878	3884
3885	0.000188155	0.00016959	0.000372865	0.000197906	0.000134155	0.000181317	0.000163363	0.000372328	0.000197906	0.000141711	3885
3886	0.00017044	0.000154206	0.000331963	0.000176562	0.000121682	0.000163379	0.000147576	0.000331503	0.000176562	0.00012974	3886
3887	0.00015013	0.000135797	0.000292729	0.000156093	0.000116762	0.000144202	0.000130218	0.000292977	0.000156093	0.000124294	3887
3888	0.000135948	0.000122834	0.000266423	0.00014345	0.000112205	0.000131522	0.000118682	0.000268119	0.00014345	0.000119274	3888
3889	0.000117798	0.000106306	0.000232139	0.000126017	0.000115963	0.000114749	0.000103451	0.000234958	0.000126017	0.00012346	3889
3890	0.000110774	9.9961E-05	0.000218354	0.000119453	0.000118994	0.000108352	9.76947E-05	0.000221732	0.000119453	0.000126839	3890
3891	0.00010572	9.54924E-05	0.000207478	0.000114142	0.000127071	0.000103509	9.34111E-05	0.000210936	0.000114142	0.000135816	3891
3892	0.000105203	9.51012E-05	0.000205708	0.000113632	0.000139032	0.000103043	9.30635E-05	0.000209212	0.000113632	0.000149109	3892
3893	0.000113609	0.000102607	0.000223073	0.000122836	0.00015151	0.00011128	0.000100432	0.00022669	0.000122836	0.000162952	3893
3894	0.000125367	0.000113113	0.000247288	0.000135435	0.000159235	0.000122681	0.000110629	0.000250898	0.000135435	0.000171618	3894
3895	0.000138657	0.000124784	0.000276688	0.000150394	0.00021213	0.000135758	0.000122194	0.000280066	0.000150394	0.000217903	3895
3896	0.00013882	0.000124239	0.000283885	0.000153965	0.000215577	0.000136975	0.000122875	0.000286988	0.000153965	0.000221823	3896
3897	0.000141652	0.000126842	0.000289007	0.000156744	0.000218846	0.000139624	0.000125304	0.000291975	0.000156744	0.000225391	3897
3898	0.000152463	0.0001364	0.000312272	0.000168829	0.000220956	0.000150306	0.000134779	0.000315505	0.000168829	0.000227696	3898
3899	0.000167917	0.00015002	0.000345978	0.00018649	0.000224689	0.000165739	0.000148439	0.000349804	0.00018649	0.000231806	3899
3900	0.000186762	0.000166587	0.000387489	0.000208911	0.000218672	0.000184943	0.000165428	0.000392557	0.000208911	0.000227159	3900
3901	0.000194169	0.000173134	0.000403455	0.000217616	0.000217856	0.000192451	0.000172101	0.000408957	0.000217616	0.000226269	3901
3902	0.000197358	0.000175951	0.000410343	0.000221824	0.000210513	0.000195888	0.00017517	0.000416307	0.000221824	0.000218109	3902
3903	0.000196094	0.000174969	0.000406272	0.000220371	0.000205798	0.000194652	0.000174202	0.000412221	0.000220371	0.000210883	3903
3904	0.000212667	0.00018961	0.000442064	0.000239411	0.000194253	0.000211255	0.000188934	0.000448721	0.000239411	0.000198112	3904
3905	0.000222988	0.000198744	0.000464198	0.000251025	0.000186709	0.00022149	0.000198023	0.000471155	0.000251025	0.000189792	3905
3906	0.00021784	0.000194574	0.00044932	0.000242268	0.000182877	0.000215152	0.000192658	0.000454469	0.000242268	0.000185602	3906
3907	0.000209945	0.00018813	0.00042699	0.000228377	0.000165614	0.000205216	0.000184175	0.000429077	0.000228377	0.000170609	3907
3908	0.000199083	0.000178818	0.000400709	0.000213308	0.000148204	0.000193246	0.000173731	0.000400867	0.000213308	0.000155227	3908
3909	0.000189279	0.000170273	0.00037838	0.000200767	0.000134345	0.000182965	0.000164635	0.000377983	0.000200767	0.000141914	3909
3910	0.000172338	0.000155877	0.000336115	0.000178785	0.000121883	0.000165298	0.000149275	0.00033576	0.000178785	0.000129953	3910
3911	0.000151937	0.000137384	0.000296733	0.000158215	0.000116895	0.000146031	0.000131833	0.000297082	0.000158215	0.000124431	3911
3912	0.000137395	0.000124119	0.000269477	0.000145133	0.000112419	0.000132982	0.000119986	0.00027125	0.000145133	0.000119502	3912
3913	0.000117798	0.000106306	0.000232139	0.000126017	0.000115963	0.000114749	0.000103451	0.000234958	0.000126017	0.00012346	3913
3914	0.000110774	9.9961E-05	0.000218354	0.000119453	0.000118994	0.000108352	9.76947E-05	0.000221732	0.000119453	0.000126839	3914
3915	0.00010572	9.54924E-05	0.000207478	0.000114142	0.000127071	0.000103509	9.34111E-05	0.000210936	0.000114142	0.000135816	3915
3916	0.000105203	9.51012E-05	0.000205708	0.000113632	0.000139032	0.000103043	9.30635E-05	0.000209212	0.000113632	0.000149109	3916
3917	0.000113609	0.000102607	0.000223073	0.000122836	0.00015151	0.00011128	0.000100432	0.00022669	0.000122836	0.000162952	3917
3918	0.000125367	0.000113113	0.000247288	0.000135435	0.000159235	0.000122681	0.000110629	0.000250898	0.000135435	0.000171618	3918
3919	0.000138657	0.000124784	0.000276688	0.000150394	0.00021213	0.000135758	0.000122194	0.000280066	0.000150394	0.000217903	3919
3920	0.00013882	0.000124239	0.000283885	0.000153965	0.000215577	0.000136975	0.000122875	0.000286988	0.000153965	0.000221823	3920
3921	0.000141652	0.000126842	0.000289007	0.000156744	0.000218846	0.000139624	0.000125304	0.000291975	0.000156744	0.000225391	3921
3922	0.000152463	0.0001364	0.000312272	0.000168829	0.000220956	0.000150306	0.000134779	0.000315505	0.000168829	0.000227696	3922
3923	0.000167917	0.00015002	0.000345978	0.00018649	0.000224689	0.000165739	0.000148439	0.000349804	0.00018649	0.000231806	3923
3924	0.000186762	0.000166587	0.000387489	0.000208911	0.000218672	0.000184943	0.000165428	0.000392557	0.000208911	0.000227159	3924
3925	0.000194169	0.000173134	0.000403455	0.000217616	0.000217856	0.000192451	0.000172101	0.000408957	0.000217616	0.000226269	3925
3926	0.000197358	0.000175951	0.000410343	0.000221824	0.000210513	0.000195888	0.00017517	0.000416307	0.000221824	0.000218109	3926
3927	0.000196094	0.000174969	0.000406272	0.000220371	0.000205798	0.000194652	0.000174202	0.000412221	0.000220371	0.000210883	3927
3928	0.000212667	0.00018961	0.000442064	0.000239411	0.000194253	0.000211255	0.000188934	0.000448721	0.000239411	0.000198112	3928
3929	0.000222988	0.000198744	0.000464198	0.000251025	0.000186709	0.00022149	0.000198023	0.000471155	0.000251025	0.000189792	3929
3930	0.00021784	0.000194574	0.00044932	0.000242268	0.000182877	0.000215152	0.000192658	0.000454469	0.000242268	0.000185602	3930
3931	0.000209945	0.00018813	0.00042699	0.000228377	0.000165614	0.000205216	0.000184175	0.000429077	0.000228377	0.000170609	3931
3932	0.000199083	0.000178818	0.000400709	0.000213308	0.000148204	0.000193246	0.000173731	0.000400867	0.000213308	0.000155227	3932
3933	0.000189279	0.000170273	0.00037838	0.000200767	0.000134345	0.000182965	0.000164635	0.000377983	0.000200767	0.000141914	3933
3934	0.000172338	0.000155877	0.000336115	0.000178785	0.000121883	0.000165298	0.000149275	0.00033576	0.000178785	0.000129953	3934
3935	0.000151937	0.000137384	0.000296733	0.000158215	0.000116895	0.000146031	0.000131833	0.000297082	0.000158215	0.000124431	3935
3936	0.000137395	0.000124119	0.000269477	0.000145133	0.000112419	0.000132982	0.000119986	0.00027125	0.000145133	0.000119502	3936
3937	0.000117578	0.000106118	0.00023159	0.000125752	0.000115988	0.000114525	0.000103258	0.000234395	0.000125752	0.000123489	3937
3938	0.000110677	9.98804E-05	0.000218094	0.000119335	0.000119077	0.000108252	9.76113E-05	0.000221465	0.000119335	0.000126933	3938
3939	0.000105649	9.54325E-05	0.000207296	0.000114056	0.000127227	0.000103436	9.33494E-05	0.000210749	0.000114056	0.000135993	3939
3940	0.000105242	9.51389E-05	0.000205761	0.000113674	0.000139144	0.000103081	9.31008E-05	0.000209267	0.000113674	0.000149234	3940
3941	0.000113751	0.000102735	0.000223351	0.000122999	0.000151709	0.000111423	0.000100562	0.000226974	0.000122999	0.000163177	3941
3942	0.0001258	0.000113491	0.000248273	0.000135946	0.000159474	0.00012312	0.000111015	0.000251907	0.000135946	0.000171892	3942
3943	0.000137319	0.000123292	0.000276873	0.000150376	0.000212285	0.000134917	0.000121256	0.000280256	0.000150376	0.000218087	3943

3944	0.000138935	0.00012434	0.000284151	0.000154102	0.000215722	0.000137092	0.000122977	0.000287261	0.000154102	0.000221999	3944
3945	0.000141576	0.000126778	0.000288797	0.00015665	0.000218928	0.000139545	0.000125238	0.00029176	0.00015665	0.000225496	3945
3946	0.000151419	0.000135486	0.000309939	0.000167602	0.000220941	0.00014925	0.000133849	0.000313113	0.000167602	0.000227695	3946
3947	0.000166209	0.000148518	0.000342224	0.000184488	0.000224448	0.000164012	0.00014691	0.000345956	0.000184488	0.000231553	3947
3948	0.000184857	0.000164901	0.000383402	0.000206688	0.000218425	0.000183018	0.000163717	0.000388368	0.000206688	0.000226901	3948
3949	0.000192398	0.000171563	0.000399689	0.000215553	0.000217687	0.000190662	0.000170507	0.000405097	0.000215553	0.000226097	3949
3950	0.000194205	0.000173163	0.000403557	0.000218143	0.000210424	0.000192703	0.000172339	0.00040935	0.000218143	0.000218026	3950
3951	0.000192965	0.000172199	0.000399567	0.00021672	0.00020579	0.000191491	0.00017139	0.000405348	0.00021672	0.000210891	3951
3952	0.000209236	0.000186571	0.000434736	0.000235412	0.000193962	0.00020779	0.000185851	0.000441209	0.000235412	0.000197804	3952
3953	0.000218791	0.000195036	0.00045513	0.000246121	0.000186407	0.000217248	0.000194257	0.000461859	0.000246121	0.000189473	3953
3954	0.000213869	0.000191067	0.000440732	0.000237627	0.000182471	0.000211139	0.000189095	0.000445665	0.000237627	0.000185164	3954
3955	0.000206478	0.000185071	0.000419462	0.000224322	0.00016526	0.000201712	0.000181067	0.000421359	0.000224322	0.000170227	3955
3956	0.000196141	0.000176222	0.000394324	0.000209867	0.000147879	0.000190272	0.000171093	0.000394321	0.000209867	0.000154878	3956
3957	0.000188155	0.00016959	0.000372865	0.000197906	0.000134155	0.000181317	0.000163363	0.000372328	0.000197906	0.000141711	3957
3958	0.00017044	0.000154206	0.000331963	0.000176562	0.000121682	0.000163379	0.000147576	0.000331503	0.000176562	0.00012974	3958
3959	0.00015013	0.000135797	0.000292729	0.000156093	0.000116762	0.000144202	0.000130218	0.000292977	0.000156093	0.000124294	3959
3960	0.000135948	0.000122834	0.000266423	0.00014345	0.000112205	0.000131522	0.000118682	0.000268119	0.00014345	0.000119274	3960
3961	0.000117578	0.000106118	0.00023159	0.000125752	0.000115988	0.000114525	0.000103258	0.000234395	0.000125752	0.000123489	3961
3962	0.000110677	9.98804E-05	0.000218094	0.000119335	0.000119077	0.000108252	9.76113E-05	0.000221465	0.000119335	0.000126933	3962
3963	0.000105649	9.54325E-05	0.000207296	0.000114056	0.000127227	0.000103436	9.33494E-05	0.000210749	0.000114056	0.000135993	3963
3964	0.000105242	9.51389E-05	0.000205761	0.000113674	0.000139144	0.000103081	9.31008E-05	0.000209267	0.000113674	0.000149234	3964
3965	0.000113751	0.000102735	0.000223351	0.000122999	0.000151709	0.000111423	0.000100562	0.000226974	0.000122999	0.000163177	3965
3966	0.0001258	0.000113491	0.000248273	0.000135946	0.000159474	0.00012312	0.000111015	0.000251907	0.000135946	0.000171892	3966
3967	0.000137319	0.000123292	0.000276873	0.000150376	0.000212285	0.000134917	0.000121256	0.000280256	0.000150376	0.000218087	3967
3968	0.000138935	0.00012434	0.000284151	0.000154102	0.000215722	0.000137092	0.000122977	0.000287261	0.000154102	0.000221999	3968
3969	0.000141576	0.000126778	0.000288797	0.00015665	0.000218928	0.000139545	0.000125238	0.00029176	0.00015665	0.000225496	3969
3970	0.000151419	0.000135486	0.000309939	0.000167602	0.000220941	0.00014925	0.000133849	0.000313113	0.000167602	0.000227695	3970
3971	0.000166209	0.000148518	0.000342224	0.000184488	0.000224448	0.000164012	0.00014691	0.000345956	0.000184488	0.000231553	3971
3972	0.000184857	0.000164901	0.000383402	0.000206688	0.000218425	0.000183018	0.000163717	0.000388368	0.000206688	0.000226901	3972
3973	0.000192398	0.000171563	0.000399689	0.000215553	0.000217687	0.000190662	0.000170507	0.000405097	0.000215553	0.000226097	3973
3974	0.000194205	0.000173163	0.000403557	0.000218143	0.000210424	0.000192703	0.000172339	0.00040935	0.000218143	0.000218026	3974
3975	0.000192965	0.000172199	0.000399567	0.00021672	0.00020579	0.000191491	0.00017139	0.000405348	0.00021672	0.000210891	3975
3976	0.000209236	0.000186571	0.000434736	0.000235412	0.000193962	0.00020779	0.000185851	0.000441209	0.000235412	0.000197804	3976
3977	0.000218791	0.000195036	0.00045513	0.000246121	0.000186407	0.000217248	0.000194257	0.000461859	0.000246121	0.000189473	3977
3978	0.000213869	0.000191067	0.000440732	0.000237627	0.000182471	0.000211139	0.000189095	0.000445665	0.000237627	0.000185164	3978
3979	0.000206478	0.000185071	0.000419462	0.000224322	0.00016526	0.000201712	0.000181067	0.000421359	0.000224322	0.000170227	3979
3980	0.000196141	0.000176222	0.000394324	0.000209867	0.000147879	0.000190272	0.000171093	0.000394321	0.000209867	0.000154878	3980
3981	0.000188155	0.00016959	0.000372865	0.000197906	0.000134155	0.000181317	0.000163363	0.000372328	0.000197906	0.000141711	3981
3982	0.00017044	0.000154206	0.000331963	0.000176562	0.000121682	0.000163379	0.000147576	0.000331503	0.000176562	0.00012974	3982
3983	0.00015013	0.000135797	0.000292729	0.000156093	0.000116762	0.000144202	0.000130218	0.000292977	0.000156093	0.000124294	3983
3984	0.000135948	0.000122834	0.000266423	0.00014345	0.000112205	0.000131522	0.000118682	0.000268119	0.00014345	0.000119274	3984
3985	0.000117578	0.000106118	0.00023159	0.000125752	0.000115988	0.000114525	0.000103258	0.000234395	0.000125752	0.000123489	3985
3986	0.000110677	9.98804E-05	0.000218094	0.000119335	0.000119077	0.000108252	9.76113E-05	0.000221465	0.000119335	0.000126933	3986
3987	0.000105649	9.54325E-05	0.000207296	0.000114056	0.000127227	0.000103436	9.33494E-05	0.000210749	0.000114056	0.000135993	3987
3988	0.000105242	9.51389E-05	0.000205761	0.000113674	0.000139144	0.000103081	9.31008E-05	0.000209267	0.000113674	0.000149234	3988
3989	0.000113751	0.000102735	0.000223351	0.000122999	0.000151709	0.000111423	0.000100562	0.000226974	0.000122999	0.000163177	3989
3990	0.0001258	0.000113491	0.000248273	0.000135946	0.000159474	0.00012312	0.000111015	0.000251907	0.000135946	0.000171892	3990
3991	0.000137319	0.000123292	0.000276873	0.000150376	0.000212285	0.000134917	0.000121256	0.000280256	0.000150376	0.000218087	3991
3992	0.000138935	0.00012434	0.000284151	0.000154102	0.000215722	0.000137092	0.000122977	0.000287261	0.000154102	0.000221999	3992
3993	0.000141576	0.000126778	0.000288797	0.00015665	0.000218928	0.000139545	0.000125238	0.00029176	0.00015665	0.000225496	3993
3994	0.000151419	0.000135486	0.000309939	0.000167602	0.000220941	0.00014925	0.000133849	0.000313113	0.000167602	0.000227695	3994
3995	0.000166209	0.000148518	0.000342224	0.000184488	0.000224448	0.000164012	0.00014691	0.000345956	0.000184488	0.000231553	3995
3996	0.000184857	0.000164901	0.000383402	0.000206688	0.000218425	0.000183018	0.000163717	0.000388368	0.000206688	0.000226901	3996
3997	0.000192398	0.000171563	0.000399689	0.000215553	0.000217687	0.000190662	0.000170507	0.000405097	0.000215553	0.000226097	3997
3998	0.000194205	0.000173163	0.000403557	0.000218143	0.000210424	0.000192703	0.000172339	0.00040935	0.000218143	0.000218026	3998
3999	0.000192965	0.000172199	0.000399567	0.00021672	0.00020579	0.000191491	0.00017139	0.000405348	0.00021672	0.000210891	3999
4000	0.000209236	0.000186571	0.000434736	0.000235412	0.000193962	0.00020779	0.000185851	0.000441209	0.000235412	0.000197804	4000
4001	0.000218791	0.000195036	0.00045513	0.000246121	0.000186407	0.000217248	0.000194257	0.000461859	0.000246121	0.000189473	4001
4002	0.000213869	0.000191067	0.000440732	0.000237627	0.000182471	0.000211139	0.000189095	0.000445665	0.000237627	0.000185164	4002
4003	0.000206478	0.000185071	0.000419462	0.000224322	0.00016526	0.000201712	0.000181067	0.000421359	0.000224322	0.000170227	4003
4004	0.000196141	0.000176222	0.000394324	0.000209867	0.000147879	0.000190272	0.000171093	0.000394321	0.000209867	0.000154878	4004
4005	0.000188155	0.00016959	0.000372865	0.000197906	0.000134155	0.000181317	0.000163363	0.000372328	0.000197906	0.000141711	4005
4006	0.00017044	0.000154206	0.000331963	0.000176562	0.000121682	0.000163379	0.000147576	0.000331503	0.000176562	0.00012974	4006
4007	0.00015013	0.000135797	0.000292729	0.000156093	0.000116762	0.000144202	0.000130218	0.000292977	0.000156093	0.000124294	4007
4008	0.000135948	0.000122834	0.000266423	0.00014345	0.000112205	0.000131522	0.000118682	0.000268119	0.00014345	0.000119274	4008
4009	0.000117578	0.000106118	0.00023159	0.000125752	0.000115988	0.000114525	0.000103258	0.000234395	0.000125752	0.000123489	4009
4010	0.000110677	9.98804E-05	0.000218094	0.000119335	0.000119077	0.000108252	9.76113E-05	0.000221465	0.000119335	0.000126933	4010
4011	0.000105649	9.54325E-05	0.000207296	0.000114056	0.000127227	0.000103436	9.33494E-05	0.000210749	0.000114056	0.000135993	4011
4012	0.000105242	9.51389E-05	0.000205761	0.000113674	0.000139144	0.000103081	9.31008E-05	0.000209267	0.000113674	0.000149234	4012
4013	0.000113751	0.000102735	0.000223351	0.000122999	0.000151709	0.000111423	0.000100562	0.000226974	0.000122999	0.000163177	4013
4014	0.0001258	0.000113491	0.000248273	0.000135946	0.000159474	0.00012312	0.000111015	0.000251907	0.000135946	0.000171892	4014
4015	0.000137319	0.000123292	0.000276873	0.000150376	0.000212285	0.000134917	0.000121256	0.000280256	0.000150376	0.000218087	4015
4016	0.000138935	0.00012434	0.000284151	0.000154102	0.000215722	0.000137092	0.000122977	0.000287261	0.000154102	0.000221999	4016
4017	0.000141576	0.000126778	0.000288797	0.00015665	0.000218928	0.000139545	0.000125238	0.00029176	0.00015665	0.000225496	4017
4018	0.000151419	0.000135486	0.000309939	0.000167602	0.000220941	0.00014925	0.000133849	0.000313113	0.000167602	0.000227695	4018
4019	0.000166209	0.000148518	0.000342224	0.000184488	0.000224448	0.000164012	0.00014691	0.000345956	0.000184488	0.000231553	4019

4020	0.000184857	0.000164901	0.000383402	0.000206688	0.000218425	0.000183018	0.000163717	0.000388368	0.000206688	0.000226901	**4020**
4021	0.000192398	0.000171563	0.000399689	0.000215553	0.000217687	0.000190662	0.000170507	0.000405097	0.000215553	0.000226097	**4021**
4022	0.000194205	0.000173163	0.000403557	0.000218143	0.000210424	0.000192703	0.000172339	0.00040935	0.000218143	0.000218026	**4022**
4023	0.000192965	0.000172199	0.000399567	0.00021672	0.00020579	0.000191491	0.00017139	0.000405348	0.00021672	0.000210891	**4023**
4024	0.000209236	0.000186571	0.000434736	0.000235412	0.000193962	0.00020779	0.000185851	0.000441209	0.000235412	0.000197804	**4024**
4025	0.000218791	0.000195036	0.00045513	0.000246121	0.000186407	0.000217248	0.000194257	0.000461859	0.000246121	0.000189473	**4025**
4026	0.000213869	0.000191067	0.000440732	0.000237627	0.000182471	0.000211139	0.000189095	0.000445665	0.000237627	0.000185164	**4026**
4027	0.000206478	0.000185071	0.000419462	0.000224322	0.00016526	0.000201712	0.000181067	0.000421359	0.000224322	0.000170227	**4027**
4028	0.000196141	0.000176222	0.000394324	0.000209867	0.000147879	0.000190272	0.000171093	0.000394321	0.000209867	0.000154878	**4028**
4029	0.000188155	0.00016959	0.000372865	0.000197906	0.000134155	0.000181317	0.000163363	0.000372328	0.000197906	0.000141711	**4029**
4030	0.00017044	0.000154206	0.000331963	0.000176562	0.000121682	0.000163379	0.000147576	0.000331503	0.000176562	0.00012974	**4030**
4031	0.00015013	0.000135797	0.000292729	0.000156093	0.000116762	0.000144202	0.000130218	0.000292977	0.000156093	0.000124294	**4031**
4032	0.000135948	0.000122834	0.000266423	0.00014345	0.000112205	0.000131522	0.000118682	0.000268119	0.00014345	0.000119274	**4032**
4033	0.000117578	0.000106118	0.00023159	0.000125752	0.000115988	0.000114525	0.000103258	0.000234395	0.000125752	0.000123489	**4033**
4034	0.000110677	9.98804E-05	0.000218094	0.000119335	0.000119077	0.000108252	9.76113E-05	0.000221465	0.000119335	0.000126933	**4034**
4035	0.000105649	9.54325E-05	0.000207296	0.000114056	0.000127227	0.000103436	9.33494E-05	0.000210749	0.000114056	0.000135993	**4035**
4036	0.000105242	9.51389E-05	0.000205761	0.000113674	0.000139144	0.000103081	9.31008E-05	0.000209267	0.000113674	0.000149234	**4036**
4037	0.000113751	0.000102735	0.000223351	0.000122999	0.000151709	0.000111423	0.000100562	0.000226974	0.000122999	0.000163177	**4037**
4038	0.0001258	0.000113491	0.000248273	0.000135946	0.000159474	0.00012312	0.000111015	0.000251907	0.000135946	0.000171892	**4038**
4039	0.000137319	0.000123292	0.000276873	0.000150376	0.000212285	0.000134917	0.000121256	0.000280256	0.000150376	0.000218087	**4039**
4040	0.000138935	0.00012434	0.000284151	0.000154102	0.000215722	0.000137092	0.000122977	0.000287261	0.000154102	0.000221999	**4040**
4041	0.000141576	0.000126778	0.000288797	0.00015665	0.000218928	0.000139545	0.000125238	0.00029176	0.00015665	0.000225496	**4041**
4042	0.000151419	0.000135486	0.000309939	0.000167602	0.000220941	0.00014925	0.000133849	0.000313113	0.000167602	0.000227695	**4042**
4043	0.000166209	0.000148518	0.000342224	0.000184488	0.000224448	0.000164012	0.00014691	0.000345956	0.000184488	0.000231553	**4043**
4044	0.000184857	0.000164901	0.000383402	0.000206688	0.000218425	0.000183018	0.000163717	0.000388368	0.000206688	0.000226901	**4044**
4045	0.000192398	0.000171563	0.000399689	0.000215553	0.000217687	0.000190662	0.000170507	0.000405097	0.000215553	0.000226097	**4045**
4046	0.000194205	0.000173163	0.000403557	0.000218143	0.000210424	0.000192703	0.000172339	0.00040935	0.000218143	0.000218026	**4046**
4047	0.000192965	0.000172199	0.000399567	0.00021672	0.00020579	0.000191491	0.00017139	0.000405348	0.00021672	0.000210891	**4047**
4048	0.000209236	0.000186571	0.000434736	0.000235412	0.000193962	0.00020779	0.000185851	0.000441209	0.000235412	0.000197804	**4048**
4049	0.000218791	0.000195036	0.00045513	0.000246121	0.000186407	0.000217248	0.000194257	0.000461859	0.000246121	0.000189473	**4049**
4050	0.000213869	0.000191067	0.000440732	0.000237627	0.000182471	0.000211139	0.000189095	0.000445665	0.000237627	0.000185164	**4050**
4051	0.000206478	0.000185071	0.000419462	0.000224322	0.00016526	0.000201712	0.000181067	0.000421359	0.000224322	0.000170227	**4051**
4052	0.000196141	0.000176222	0.000394324	0.000209867	0.000147879	0.000190272	0.000171093	0.000394321	0.000209867	0.000154878	**4052**
4053	0.000188155	0.00016959	0.000372865	0.000197906	0.000134155	0.000181317	0.000163363	0.000372328	0.000197906	0.000141711	**4053**
4054	0.00017044	0.000154206	0.000331963	0.000176562	0.000121682	0.000163379	0.000147576	0.000331503	0.000176562	0.00012974	**4054**
4055	0.00015013	0.000135797	0.000292729	0.000156093	0.000116762	0.000144202	0.000130218	0.000292977	0.000156093	0.000124294	**4055**
4056	0.000135948	0.000122834	0.000266423	0.00014345	0.000112205	0.000131522	0.000118682	0.000268119	0.00014345	0.000119274	**4056**
4057	0.000117798	0.000106306	0.000232139	0.000126017	0.000115963	0.000114749	0.000103451	0.000234958	0.000126017	0.00012346	**4057**
4058	0.000110774	9.9961E-05	0.000218354	0.000119453	0.000118994	0.000108352	9.76947E-05	0.000221732	0.000119453	0.000126839	**4058**
4059	0.00010572	9.54924E-05	0.000207478	0.000114142	0.000127071	0.000103509	9.34111E-05	0.000210936	0.000114142	0.000135816	**4059**
4060	0.000105203	9.51012E-05	0.000205708	0.000113632	0.000139032	0.000103043	9.30635E-05	0.000209212	0.000113632	0.000149109	**4060**
4061	0.000113609	0.000102607	0.000223073	0.000122836	0.00015151	0.00011128	0.000100432	0.00022669	0.000122836	0.000162952	**4061**
4062	0.000125367	0.000113113	0.000247288	0.000135435	0.000159235	0.000122681	0.000110629	0.000250898	0.000135435	0.000171618	**4062**
4063	0.000138657	0.000124784	0.000276688	0.000150394	0.00021213	0.000135758	0.000122194	0.000280066	0.000150394	0.000217903	**4063**
4064	0.00013882	0.000124239	0.000283885	0.000153965	0.000215577	0.000136975	0.000122875	0.000286988	0.000153965	0.000221823	**4064**
4065	0.000141652	0.000126842	0.000289007	0.000156744	0.000218846	0.000139624	0.000125304	0.000291975	0.000156744	0.000225391	**4065**
4066	0.000152463	0.0001364	0.000312272	0.000168829	0.000220956	0.000150306	0.000134779	0.000315505	0.000168829	0.000227696	**4066**
4067	0.000167917	0.00015002	0.000345978	0.00018649	0.000224689	0.000165739	0.000148439	0.000349804	0.00018649	0.000231806	**4067**
4068	0.000186762	0.000166587	0.000387489	0.000208911	0.000218672	0.000184943	0.000165428	0.000392557	0.000208911	0.000227159	**4068**
4069	0.000194169	0.000173134	0.000403455	0.000217616	0.000217856	0.000192451	0.000172101	0.000408957	0.000217616	0.000226269	**4069**
4070	0.000197358	0.000175951	0.000410343	0.000221824	0.000210513	0.000195888	0.00017517	0.000416307	0.000221824	0.000218109	**4070**
4071	0.000196094	0.000174969	0.000406272	0.000220371	0.000205798	0.000194652	0.000174202	0.000412221	0.000220371	0.000210883	**4071**
4072	0.000212667	0.00018961	0.000442064	0.000239411	0.000194253	0.000211255	0.000188934	0.000448721	0.000239411	0.000198112	**4072**
4073	0.000222988	0.000198744	0.000464198	0.000251025	0.000186709	0.00022149	0.000198023	0.000471155	0.000251025	0.000189792	**4073**
4074	0.00021784	0.000194574	0.00044932	0.000242268	0.000182877	0.000215152	0.000192658	0.000454469	0.000242268	0.000185602	**4074**
4075	0.000209945	0.00018813	0.00042699	0.000228377	0.000165614	0.000205216	0.000184175	0.000429077	0.000228377	0.000170609	**4075**
4076	0.000199083	0.000178818	0.000400709	0.000213308	0.000148204	0.000193246	0.000173731	0.000400867	0.000213308	0.000155227	**4076**
4077	0.000189279	0.000170273	0.00037838	0.000200767	0.000134345	0.000182965	0.000164635	0.000377983	0.000200767	0.000141914	**4077**
4078	0.000172338	0.000155877	0.000336115	0.000178785	0.000121883	0.000165298	0.000149275	0.00033576	0.000178785	0.000129953	**4078**
4079	0.000151937	0.000137384	0.000296733	0.000158215	0.000116895	0.000146031	0.000131833	0.000297082	0.000158215	0.000124431	**4079**
4080	0.000137395	0.000124119	0.000269477	0.000145133	0.000112419	0.000132982	0.000119986	0.00027125	0.000145133	0.000119502	**4080**
4081	0.000117798	0.000106306	0.000232139	0.000126017	0.000115963	0.000114749	0.000103451	0.000234958	0.000126017	0.00012346	**4081**
4082	0.000110774	9.9961E-05	0.000218354	0.000119453	0.000118994	0.000108352	9.76947E-05	0.000221732	0.000119453	0.000126839	**4082**
4083	0.00010572	9.54924E-05	0.000207478	0.000114142	0.000127071	0.000103509	9.34111E-05	0.000210936	0.000114142	0.000135816	**4083**
4084	0.000105203	9.51012E-05	0.000205708	0.000113632	0.000139032	0.000103043	9.30635E-05	0.000209212	0.000113632	0.000149109	**4084**
4085	0.000113609	0.000102607	0.000223073	0.000122836	0.00015151	0.00011128	0.000100432	0.00022669	0.000122836	0.000162952	**4085**
4086	0.000125367	0.000113113	0.000247288	0.000135435	0.000159235	0.000122681	0.000110629	0.000250898	0.000135435	0.000171618	**4086**
4087	0.000138657	0.000124784	0.000276688	0.000150394	0.00021213	0.000135758	0.000122194	0.000280066	0.000150394	0.000217903	**4087**
4088	0.00013882	0.000124239	0.000283885	0.000153965	0.000215577	0.000136975	0.000122875	0.000286988	0.000153965	0.000221823	**4088**
4089	0.000141652	0.000126842	0.000289007	0.000156744	0.000218846	0.000139624	0.000125304	0.000291975	0.000156744	0.000225391	**4089**
4090	0.000152463	0.0001364	0.000312272	0.000168829	0.000220956	0.000150306	0.000134779	0.000315505	0.000168829	0.000227696	**4090**
4091	0.000167917	0.00015002	0.000345978	0.00018649	0.000224689	0.000165739	0.000148439	0.000349804	0.00018649	0.000231806	**4091**
4092	0.000186762	0.000166587	0.000387489	0.000208911	0.000218672	0.000184943	0.000165428	0.000392557	0.000208911	0.000227159	**4092**
4093	0.000194169	0.000173134	0.000403455	0.000217616	0.000217856	0.000192451	0.000172101	0.000408957	0.000217616	0.000226269	**4093**
4094	0.000197358	0.000175951	0.000410343	0.000221824	0.000210513	0.000195888	0.00017517	0.000416307	0.000221824	0.000218109	**4094**
4095	0.000196094	0.000174969	0.000406272	0.000220371	0.000205798	0.000194652	0.000174202	0.000412221	0.000220371	0.000210883	**4095**

4096	0.000212667	0.00018961	0.000442064	0.000239411	0.000194253	0.000211255	0.000188934	0.000448721	0.000239411	0.000198112	**4096**
4097	0.000222988	0.000198744	0.000464198	0.000251025	0.000186709	0.00022149	0.000198023	0.000471155	0.000251025	0.000189792	**4097**
4098	0.00021784	0.000194574	0.00044932	0.000242268	0.000182877	0.000215152	0.000192658	0.000454469	0.000242268	0.000185602	**4098**
4099	0.000209945	0.00018813	0.00042699	0.000228377	0.000165614	0.000205216	0.000184175	0.000429077	0.000228377	0.000170609	**4099**
4100	0.000199083	0.000178818	0.000400709	0.000213308	0.000148204	0.000193246	0.000173731	0.000400867	0.000213308	0.000155227	**4100**
4101	0.000189279	0.000170273	0.00037838	0.000200767	0.000134345	0.000182965	0.000164635	0.000377983	0.000200767	0.000141914	**4101**
4102	0.000172338	0.000155877	0.000336115	0.000178785	0.000121883	0.000165298	0.000149275	0.00033576	0.000178785	0.000129953	**4102**
4103	0.000151937	0.000137384	0.000296733	0.000158215	0.000116895	0.000146031	0.000131833	0.000297082	0.000158215	0.000124431	**4103**
4104	0.000137395	0.000124119	0.000269477	0.000145133	0.000112419	0.000132982	0.000119986	0.00027125	0.000145133	0.000119502	**4104**
4105	0.000117578	0.000106118	0.00023159	0.000125752	0.000115988	0.000114525	0.000103258	0.000234395	0.000125752	0.000123489	**4105**
4106	0.000110677	9.98804E-05	0.000218094	0.000119335	0.000119077	0.000108252	9.76113E-05	0.000221465	0.000119335	0.000126933	**4106**
4107	0.000105649	9.54325E-05	0.000207296	0.000114056	0.000127227	0.000103436	9.33494E-05	0.000210749	0.000114056	0.000135993	**4107**
4108	0.000105242	9.51389E-05	0.000205761	0.000113674	0.000139144	0.000103081	9.31008E-05	0.000209267	0.000113674	0.000149234	**4108**
4109	0.000113751	0.000102735	0.000223351	0.000122999	0.000151709	0.000111423	0.000100562	0.000226974	0.000122999	0.000163177	**4109**
4110	0.0001258	0.000113491	0.000248273	0.000135946	0.000159474	0.00012312	0.000111015	0.000251907	0.000135946	0.000171892	**4110**
4111	0.000137319	0.000123292	0.000276873	0.000150376	0.000212285	0.000134917	0.000121256	0.000280256	0.000150376	0.000218087	**4111**
4112	0.000138935	0.00012434	0.000284151	0.000154102	0.000215722	0.000137092	0.000122977	0.000287261	0.000154102	0.000221999	**4112**
4113	0.000141576	0.000126778	0.000288797	0.00015665	0.000218928	0.000139545	0.000125238	0.00029176	0.00015665	0.000225496	**4113**
4114	0.000151419	0.000135486	0.000309939	0.000167602	0.000220941	0.00014925	0.000133849	0.000313113	0.000167602	0.000227695	**4114**
4115	0.000166209	0.000148518	0.000342224	0.000184488	0.000224448	0.000164012	0.00014691	0.000345956	0.000184488	0.000231553	**4115**
4116	0.000184857	0.000164901	0.000383402	0.000206688	0.000218425	0.000183018	0.000163717	0.000388368	0.000206688	0.000226901	**4116**
4117	0.000192398	0.000171563	0.000399689	0.000215553	0.000217687	0.000190662	0.000170507	0.000405097	0.000215553	0.000226097	**4117**
4118	0.000194205	0.000173163	0.000403557	0.000218143	0.000210424	0.000192703	0.000172339	0.00040935	0.000218143	0.000218026	**4118**
4119	0.000192965	0.000172199	0.000399567	0.00021672	0.00020579	0.000191491	0.00017139	0.000405348	0.00021672	0.000210891	**4119**
4120	0.000209236	0.000186571	0.000434736	0.000235412	0.000193962	0.00020779	0.000185851	0.000441209	0.000235412	0.000197804	**4120**
4121	0.000218791	0.000195036	0.00045513	0.000246121	0.000186407	0.000217248	0.000194257	0.000461859	0.000246121	0.000189473	**4121**
4122	0.000213869	0.000191067	0.000440732	0.000237627	0.000182471	0.000211139	0.000189095	0.000445665	0.000237627	0.000185164	**4122**
4123	0.000206478	0.000185071	0.000419462	0.000224322	0.00016526	0.000201712	0.000181067	0.000421359	0.000224322	0.000170227	**4123**
4124	0.000196141	0.000176222	0.000394324	0.000209867	0.000147879	0.000190272	0.000171093	0.000394321	0.000209867	0.000154878	**4124**
4125	0.000188155	0.00016959	0.000372865	0.000197906	0.000134155	0.000181317	0.000163363	0.000372328	0.000197906	0.000141711	**4125**
4126	0.00017044	0.000154206	0.000331963	0.000176562	0.000121682	0.000163379	0.000147576	0.000331503	0.000176562	0.00012974	**4126**
4127	0.00015013	0.000135797	0.000292729	0.000156093	0.000116762	0.000144202	0.000130218	0.000292977	0.000156093	0.000124294	**4127**
4128	0.000135948	0.000122834	0.000266423	0.00014345	0.000112205	0.000131522	0.000118682	0.000268119	0.00014345	0.000119274	**4128**
4129	0.000117578	0.000106118	0.00023159	0.000125752	0.000115988	0.000114525	0.000103258	0.000234395	0.000125752	0.000123489	**4129**
4130	0.000110677	9.98804E-05	0.000218094	0.000119335	0.000119077	0.000108252	9.76113E-05	0.000221465	0.000119335	0.000126933	**4130**
4131	0.000105649	9.54325E-05	0.000207296	0.000114056	0.000127227	0.000103436	9.33494E-05	0.000210749	0.000114056	0.000135993	**4131**
4132	0.000105242	9.51389E-05	0.000205761	0.000113674	0.000139144	0.000103081	9.31008E-05	0.000209267	0.000113674	0.000149234	**4132**
4133	0.000113751	0.000102735	0.000223351	0.000122999	0.000151709	0.000111423	0.000100562	0.000226974	0.000122999	0.000163177	**4133**
4134	0.0001258	0.000113491	0.000248273	0.000135946	0.000159474	0.00012312	0.000111015	0.000251907	0.000135946	0.000171892	**4134**
4135	0.000137319	0.000123292	0.000276873	0.000150376	0.000212285	0.000134917	0.000121256	0.000280256	0.000150376	0.000218087	**4135**
4136	0.000138935	0.00012434	0.000284151	0.000154102	0.000215722	0.000137092	0.000122977	0.000287261	0.000154102	0.000221999	**4136**
4137	0.000141576	0.000126778	0.000288797	0.00015665	0.000218928	0.000139545	0.000125238	0.00029176	0.00015665	0.000225496	**4137**
4138	0.000151419	0.000135486	0.000309939	0.000167602	0.000220941	0.00014925	0.000133849	0.000313113	0.000167602	0.000227695	**4138**
4139	0.000166209	0.000148518	0.000342224	0.000184488	0.000224448	0.000164012	0.00014691	0.000345956	0.000184488	0.000231553	**4139**
4140	0.000184857	0.000164901	0.000383402	0.000206688	0.000218425	0.000183018	0.000163717	0.000388368	0.000206688	0.000226901	**4140**
4141	0.000192398	0.000171563	0.000399689	0.000215553	0.000217687	0.000190662	0.000170507	0.000405097	0.000215553	0.000226097	**4141**
4142	0.000194205	0.000173163	0.000403557	0.000218143	0.000210424	0.000192703	0.000172339	0.00040935	0.000218143	0.000218026	**4142**
4143	0.000192965	0.000172199	0.000399567	0.00021672	0.00020579	0.000191491	0.00017139	0.000405348	0.00021672	0.000210891	**4143**
4144	0.000209236	0.000186571	0.000434736	0.000235412	0.000193962	0.00020779	0.000185851	0.000441209	0.000235412	0.000197804	**4144**
4145	0.000218791	0.000195036	0.00045513	0.000246121	0.000186407	0.000217248	0.000194257	0.000461859	0.000246121	0.000189473	**4145**
4146	0.000213869	0.000191067	0.000440732	0.000237627	0.000182471	0.000211139	0.000189095	0.000445665	0.000237627	0.000185164	**4146**
4147	0.000206478	0.000185071	0.000419462	0.000224322	0.00016526	0.000201712	0.000181067	0.000421359	0.000224322	0.000170227	**4147**
4148	0.000196141	0.000176222	0.000394324	0.000209867	0.000147879	0.000190272	0.000171093	0.000394321	0.000209867	0.000154878	**4148**
4149	0.000188155	0.00016959	0.000372865	0.000197906	0.000134155	0.000181317	0.000163363	0.000372328	0.000197906	0.000141711	**4149**
4150	0.00017044	0.000154206	0.000331963	0.000176562	0.000121682	0.000163379	0.000147576	0.000331503	0.000176562	0.00012974	**4150**
4151	0.00015013	0.000135797	0.000292729	0.000156093	0.000116762	0.000144202	0.000130218	0.000292977	0.000156093	0.000124294	**4151**
4152	0.000135948	0.000122834	0.000266423	0.00014345	0.000112205	0.000131522	0.000118682	0.000268119	0.00014345	0.000119274	**4152**
4153	0.000117578	0.000106118	0.00023159	0.000125752	0.000115988	0.000114525	0.000103258	0.000234395	0.000125752	0.000123489	**4153**
4154	0.000110677	9.98804E-05	0.000218094	0.000119335	0.000119077	0.000108252	9.76113E-05	0.000221465	0.000119335	0.000126933	**4154**
4155	0.000105649	9.54325E-05	0.000207296	0.000114056	0.000127227	0.000103436	9.33494E-05	0.000210749	0.000114056	0.000135993	**4155**
4156	0.000105242	9.51389E-05	0.000205761	0.000113674	0.000139144	0.000103081	9.31008E-05	0.000209267	0.000113674	0.000149234	**4156**
4157	0.000113751	0.000102735	0.000223351	0.000122999	0.000151709	0.000111423	0.000100562	0.000226974	0.000122999	0.000163177	**4157**
4158	0.0001258	0.000113491	0.000248273	0.000135946	0.000159474	0.00012312	0.000111015	0.000251907	0.000135946	0.000171892	**4158**
4159	0.000137319	0.000123292	0.000276873	0.000150376	0.000212285	0.000134917	0.000121256	0.000280256	0.000150376	0.000218087	**4159**
4160	0.000138935	0.00012434	0.000284151	0.000154102	0.000215722	0.000137092	0.000122977	0.000287261	0.000154102	0.000221999	**4160**
4161	0.000141576	0.000126778	0.000288797	0.00015665	0.000218928	0.000139545	0.000125238	0.00029176	0.00015665	0.000225496	**4161**
4162	0.000151419	0.000135486	0.000309939	0.000167602	0.000220941	0.00014925	0.000133849	0.000313113	0.000167602	0.000227695	**4162**
4163	0.000166209	0.000148518	0.000342224	0.000184488	0.000224448	0.000164012	0.00014691	0.000345956	0.000184488	0.000231553	**4163**
4164	0.000184857	0.000164901	0.000383402	0.000206688	0.000218425	0.000183018	0.000163717	0.000388368	0.000206688	0.000226901	**4164**
4165	0.000192398	0.000171563	0.000399689	0.000215553	0.000217687	0.000190662	0.000170507	0.000405097	0.000215553	0.000226097	**4165**
4166	0.000194205	0.000173163	0.000403557	0.000218143	0.000210424	0.000192703	0.000172339	0.00040935	0.000218143	0.000218026	**4166**
4167	0.000192965	0.000172199	0.000399567	0.00021672	0.00020579	0.000191491	0.00017139	0.000405348	0.00021672	0.000210891	**4167**
4168	0.000209236	0.000186571	0.000434736	0.000235412	0.000193962	0.00020779	0.000185851	0.000441209	0.000235412	0.000197804	**4168**
4169	0.000218791	0.000195036	0.00045513	0.000246121	0.000186407	0.000217248	0.000194257	0.000461859	0.000246121	0.000189473	**4169**
4170	0.000213869	0.000191067	0.000440732	0.000237627	0.000182471	0.000211139	0.000189095	0.000445665	0.000237627	0.000185164	**4170**
4171	0.000206478	0.000185071	0.000419462	0.000224322	0.00016526	0.000201712	0.000181067	0.000421359	0.000224322	0.000170227	**4171**

4172	0.000196141	0.000176222	0.000394324	0.000209867	0.000147879	0.000190272	0.000171093	0.000394321	0.000209867	0.000154878	4172
4173	0.000188155	0.00016959	0.000372865	0.000197906	0.000134155	0.000181317	0.000163363	0.000372328	0.000197906	0.000141711	4173
4174	0.00017044	0.000154206	0.000331963	0.000176562	0.000121682	0.000163379	0.000147576	0.000331503	0.000176562	0.00012974	4174
4175	0.00015013	0.000135797	0.000292729	0.000156093	0.000116762	0.000144202	0.000130218	0.000292977	0.000156093	0.000124294	4175
4176	0.000135948	0.000122834	0.000266423	0.00014345	0.000112205	0.000131522	0.000118682	0.000268119	0.00014345	0.000119274	4176
4177	0.000117578	0.000106118	0.00023159	0.000125752	0.000115988	0.000114525	0.000103258	0.000234395	0.000125752	0.000123489	4177
4178	0.000110677	9.98804E-05	0.000218094	0.000119335	0.000119077	0.000108252	9.76113E-05	0.000221465	0.000119335	0.000126933	4178
4179	0.000105649	9.54325E-05	0.000207296	0.000114056	0.000127227	0.000103436	9.33494E-05	0.000210749	0.000114056	0.000135993	4179
4180	0.000105242	9.51389E-05	0.000205761	0.000113674	0.000139144	0.000103081	9.31008E-05	0.000209267	0.000113674	0.000149234	4180
4181	0.000113751	0.000102735	0.000223351	0.000122999	0.000151709	0.000111423	0.000100562	0.000226974	0.000122999	0.000163177	4181
4182	0.0001258	0.000113491	0.000248273	0.000135946	0.000159474	0.00012312	0.000111015	0.000251907	0.000135946	0.000171892	4182
4183	0.000137319	0.000123292	0.000276873	0.000150376	0.000212285	0.000134917	0.000121256	0.000280256	0.000150376	0.000218087	4183
4184	0.000138935	0.00012434	0.000284151	0.000154102	0.000215722	0.000137092	0.000122977	0.000287261	0.000154102	0.000221999	4184
4185	0.000141576	0.000126778	0.000288797	0.00015665	0.000218928	0.000139545	0.000125238	0.00029176	0.00015665	0.000225496	4185
4186	0.000151419	0.000135486	0.000309939	0.000167602	0.000220941	0.00014925	0.000133849	0.000313113	0.000167602	0.000227695	4186
4187	0.000166209	0.000148518	0.000342224	0.000184488	0.000224448	0.000164012	0.00014691	0.000345956	0.000184488	0.000231553	4187
4188	0.000184857	0.000164901	0.000383402	0.000206688	0.000218425	0.000183018	0.000163717	0.000388368	0.000206688	0.000226901	4188
4189	0.000192398	0.000171563	0.000399689	0.000215553	0.000217687	0.000190662	0.000170507	0.000405097	0.000215553	0.000226097	4189
4190	0.000194205	0.000173163	0.000403557	0.000218143	0.000210424	0.000192703	0.000172339	0.00040935	0.000218143	0.000218026	4190
4191	0.000192965	0.000172199	0.000399567	0.00021672	0.00020579	0.000191491	0.00017139	0.000405348	0.00021672	0.000210891	4191
4192	0.000209236	0.000186571	0.000434736	0.000235412	0.000193962	0.00020779	0.000185851	0.000441209	0.000235412	0.000197804	4192
4193	0.000218791	0.000195036	0.00045513	0.000246121	0.000186407	0.000217248	0.000194257	0.000461859	0.000246121	0.000189473	4193
4194	0.000213869	0.000191067	0.000440732	0.000237627	0.000182471	0.000211139	0.000189095	0.000445665	0.000237627	0.000185164	4194
4195	0.000206478	0.000185071	0.000419462	0.000224322	0.00016526	0.000201712	0.000181067	0.000421359	0.000224322	0.000170227	4195
4196	0.000196141	0.000176222	0.000394324	0.000209867	0.000147879	0.000190272	0.000171093	0.000394321	0.000209867	0.000154878	4196
4197	0.000188155	0.00016959	0.000372865	0.000197906	0.000134155	0.000181317	0.000163363	0.000372328	0.000197906	0.000141711	4197
4198	0.00017044	0.000154206	0.000331963	0.000176562	0.000121682	0.000163379	0.000147576	0.000331503	0.000176562	0.00012974	4198
4199	0.00015013	0.000135797	0.000292729	0.000156093	0.000116762	0.000144202	0.000130218	0.000292977	0.000156093	0.000124294	4199
4200	0.000135948	0.000122834	0.000266423	0.00014345	0.000112205	0.000131522	0.000118682	0.000268119	0.00014345	0.000119274	4200
4201	0.000117578	0.000106118	0.00023159	0.000125752	0.000115988	0.000114525	0.000103258	0.000234395	0.000125752	0.000123489	4201
4202	0.000110677	9.98804E-05	0.000218094	0.000119335	0.000119077	0.000108252	9.76113E-05	0.000221465	0.000119335	0.000126933	4202
4203	0.000105649	9.54325E-05	0.000207296	0.000114056	0.000127227	0.000103436	9.33494E-05	0.000210749	0.000114056	0.000135993	4203
4204	0.000105242	9.51389E-05	0.000205761	0.000113674	0.000139144	0.000103081	9.31008E-05	0.000209267	0.000113674	0.000149234	4204
4205	0.000113751	0.000102735	0.000223351	0.000122999	0.000151709	0.000111423	0.000100562	0.000226974	0.000122999	0.000163177	4205
4206	0.0001258	0.000113491	0.000248273	0.000135946	0.000159474	0.00012312	0.000111015	0.000251907	0.000135946	0.000171892	4206
4207	0.000137319	0.000123292	0.000276873	0.000150376	0.000212285	0.000134917	0.000121256	0.000280256	0.000150376	0.000218087	4207
4208	0.000138935	0.00012434	0.000284151	0.000154102	0.000215722	0.000137092	0.000122977	0.000287261	0.000154102	0.000221999	4208
4209	0.000141576	0.000126778	0.000288797	0.00015665	0.000218928	0.000139545	0.000125238	0.00029176	0.00015665	0.000225496	4209
4210	0.000151419	0.000135486	0.000309939	0.000167602	0.000220941	0.00014925	0.000133849	0.000313113	0.000167602	0.000227695	4210
4211	0.000166209	0.000148518	0.000342224	0.000184488	0.000224448	0.000164012	0.00014691	0.000345956	0.000184488	0.000231553	4211
4212	0.000184857	0.000164901	0.000383402	0.000206688	0.000218425	0.000183018	0.000163717	0.000388368	0.000206688	0.000226901	4212
4213	0.000192398	0.000171563	0.000399689	0.000215553	0.000217687	0.000190662	0.000170507	0.000405097	0.000215553	0.000226097	4213
4214	0.000194205	0.000173163	0.000403557	0.000218143	0.000210424	0.000192703	0.000172339	0.00040935	0.000218143	0.000218026	4214
4215	0.000192965	0.000172199	0.000399567	0.00021672	0.00020579	0.000191491	0.00017139	0.000405348	0.00021672	0.000210891	4215
4216	0.000209236	0.000186571	0.000434736	0.000235412	0.000193962	0.00020779	0.000185851	0.000441209	0.000235412	0.000197804	4216
4217	0.000218791	0.000195036	0.00045513	0.000246121	0.000186407	0.000217248	0.000194257	0.000461859	0.000246121	0.000189473	4217
4218	0.000213869	0.000191067	0.000440732	0.000237627	0.000182471	0.000211139	0.000189095	0.000445665	0.000237627	0.000185164	4218
4219	0.000206478	0.000185071	0.000419462	0.000224322	0.00016526	0.000201712	0.000181067	0.000421359	0.000224322	0.000170227	4219
4220	0.000196141	0.000176222	0.000394324	0.000209867	0.000147879	0.000190272	0.000171093	0.000394321	0.000209867	0.000154878	4220
4221	0.000188155	0.00016959	0.000372865	0.000197906	0.000134155	0.000181317	0.000163363	0.000372328	0.000197906	0.000141711	4221
4222	0.00017044	0.000154206	0.000331963	0.000176562	0.000121682	0.000163379	0.000147576	0.000331503	0.000176562	0.00012974	4222
4223	0.00015013	0.000135797	0.000292729	0.000156093	0.000116762	0.000144202	0.000130218	0.000292977	0.000156093	0.000124294	4223
4224	0.000135948	0.000122834	0.000266423	0.00014345	0.000112205	0.000131522	0.000118682	0.000268119	0.00014345	0.000119274	4224
4225	0.000117798	0.000106306	0.000232139	0.000126017	0.000115963	0.000114749	0.000103451	0.000234958	0.000126017	0.00012346	4225
4226	0.000110774	9.9961E-05	0.000218354	0.000119453	0.000118994	0.000108352	9.76947E-05	0.000221732	0.000119453	0.000126839	4226
4227	0.00010572	9.54924E-05	0.000207478	0.000114142	0.000127071	0.000103509	9.34111E-05	0.000210936	0.000114142	0.000135816	4227
4228	0.000105203	9.51012E-05	0.000205708	0.000113632	0.000139032	0.000103043	9.30635E-05	0.000209212	0.000113632	0.000149109	4228
4229	0.000113609	0.000102607	0.000223073	0.000122836	0.00015151	0.00011128	0.000100432	0.00022669	0.000122836	0.000162952	4229
4230	0.000125367	0.000113113	0.000247288	0.000135435	0.000159235	0.000122681	0.000110629	0.000250898	0.000135435	0.000171618	4230
4231	0.000138657	0.000124784	0.000276688	0.000150394	0.00021213	0.000135758	0.000122194	0.000280066	0.000150394	0.000217903	4231
4232	0.00013882	0.000124239	0.000283885	0.000153965	0.000215577	0.000136975	0.000122875	0.000286988	0.000153965	0.000221823	4232
4233	0.000141652	0.000126842	0.000289007	0.000156744	0.000218846	0.000139624	0.000125304	0.000291975	0.000156744	0.000225391	4233
4234	0.000152463	0.0001364	0.000312272	0.000168829	0.000220956	0.000150306	0.000134779	0.000315505	0.000168829	0.000227696	4234
4235	0.000167917	0.00015002	0.000345978	0.00018649	0.000224689	0.000165739	0.000148439	0.000349804	0.00018649	0.000231806	4235
4236	0.000186762	0.000166587	0.000387489	0.000208911	0.000218672	0.000184943	0.000165428	0.000392557	0.000208911	0.000227159	4236
4237	0.000194169	0.000173134	0.000403455	0.000217616	0.000217856	0.000192451	0.000172101	0.000408957	0.000217616	0.000226269	4237
4238	0.000197358	0.000175951	0.000410343	0.000221824	0.000210513	0.000195888	0.00017517	0.000416307	0.000221824	0.000218109	4238
4239	0.000196094	0.000174969	0.000406272	0.000220371	0.000205798	0.000194652	0.000174202	0.000412221	0.000220371	0.000210883	4239
4240	0.000212667	0.00018961	0.000442064	0.000239411	0.000194253	0.000211255	0.000188934	0.000448721	0.000239411	0.000198112	4240
4241	0.000222988	0.000198744	0.000464198	0.000251025	0.000186709	0.00022149	0.000198023	0.000471155	0.000251025	0.000189792	4241
4242	0.00021784	0.000194574	0.00044932	0.000242268	0.000182877	0.000215152	0.000192658	0.000454469	0.000242268	0.000185602	4242
4243	0.000209945	0.00018813	0.00042699	0.000228377	0.000165614	0.000205216	0.000184175	0.000429077	0.000228377	0.000170609	4243
4244	0.000199083	0.000178818	0.000400709	0.000213308	0.000148204	0.000193246	0.000173731	0.000400867	0.000213308	0.000155227	4244
4245	0.000189279	0.000170273	0.00037838	0.000200767	0.000134345	0.000182965	0.000164635	0.000377983	0.000200767	0.000141914	4245
4246	0.000172338	0.000155877	0.000336115	0.000178785	0.000121883	0.000165298	0.000149275	0.00033576	0.000178785	0.000129953	4246
4247	0.000151937	0.000137384	0.000296733	0.000158215	0.000116895	0.000146031	0.000131833	0.000297082	0.000158215	0.000124431	4247

4248	0.000137395	0.000124119	0.000269477	0.000145133	0.000112419	0.000132982	0.000119986	0.00027125	0.000145133	0.000119502	4248
4249	0.000117798	0.000106306	0.000232139	0.000126017	0.000115963	0.000114749	0.000103451	0.000234958	0.000126017	0.00012346	4249
4250	0.000110774	9.9961E-05	0.000218354	0.000119453	0.000118994	0.000108352	9.76947E-05	0.000221732	0.000119453	0.000126839	4250
4251	0.00010572	9.54924E-05	0.000207478	0.000114142	0.000127071	0.000103509	9.34111E-05	0.000210936	0.000114142	0.000135816	4251
4252	0.000105203	9.51012E-05	0.000205708	0.000113632	0.000139032	0.000103043	9.30635E-05	0.000209212	0.000113632	0.000149109	4252
4253	0.000113609	0.000102607	0.000223073	0.000122836	0.00015151	0.00011128	0.000100432	0.00022669	0.000122836	0.000162952	4253
4254	0.000125367	0.000113113	0.000247288	0.000135435	0.000159235	0.000122681	0.000110629	0.000250898	0.000135435	0.000171618	4254
4255	0.000138657	0.000124784	0.000276688	0.000150394	0.00021213	0.000135758	0.000122194	0.000280066	0.000150394	0.000217903	4255
4256	0.00013882	0.000124239	0.000283885	0.000153965	0.000215577	0.000136975	0.000122875	0.000286988	0.000153965	0.000221823	4256
4257	0.000141652	0.000126842	0.000289007	0.000156744	0.000218846	0.000139624	0.000125304	0.000291975	0.000156744	0.000225391	4257
4258	0.000152463	0.0001364	0.000312272	0.000168829	0.000220956	0.000150306	0.000134779	0.000315505	0.000168829	0.000227696	4258
4259	0.000167917	0.00015002	0.000345978	0.00018649	0.000224689	0.000165739	0.000148439	0.000349804	0.00018649	0.000231806	4259
4260	0.000186762	0.000166587	0.000387489	0.000208911	0.000218672	0.000184943	0.000165428	0.000392557	0.000208911	0.000227159	4260
4261	0.000194169	0.000173134	0.000403455	0.000217616	0.000217856	0.000192451	0.000172101	0.000408957	0.000217616	0.000226269	4261
4262	0.000197358	0.000175951	0.000410343	0.000221824	0.000210513	0.000195888	0.00017517	0.000416307	0.000221824	0.000218109	4262
4263	0.000196094	0.000174969	0.000406272	0.000220371	0.000205798	0.000194652	0.000174202	0.000412221	0.000220371	0.000210883	4263
4264	0.000212667	0.00018961	0.000442064	0.000239411	0.000194253	0.000211255	0.000188934	0.000448721	0.000239411	0.000198112	4264
4265	0.000222988	0.000198744	0.000464198	0.000251025	0.000186709	0.00022149	0.000198023	0.000471155	0.000251025	0.000189792	4265
4266	0.00021784	0.000194574	0.00044932	0.000242268	0.000182877	0.000215152	0.000192658	0.000454469	0.000242268	0.000185602	4266
4267	0.000209945	0.00018813	0.00042699	0.000228377	0.000165614	0.000205216	0.000184175	0.000429077	0.000228377	0.000170609	4267
4268	0.000199083	0.000178818	0.000400709	0.000213308	0.000148204	0.000193246	0.000173731	0.000400867	0.000213308	0.000155227	4268
4269	0.000189279	0.000170273	0.00037838	0.000200767	0.000134345	0.000182965	0.000164635	0.000377983	0.000200767	0.000141914	4269
4270	0.000172338	0.000155877	0.000336115	0.000178785	0.000121883	0.000165298	0.000149275	0.00033576	0.000178785	0.000129953	4270
4271	0.000151937	0.000137384	0.000296733	0.000158215	0.000116895	0.000146031	0.000131833	0.000297082	0.000158215	0.000124431	4271
4272	0.000137395	0.000124119	0.000269477	0.000145133	0.000112419	0.000132982	0.000119986	0.00027125	0.000145133	0.000119502	4272
4273	0.000117578	0.000106118	0.00023159	0.000125752	0.000115988	0.000114525	0.000103258	0.000234395	0.000125752	0.000123489	4273
4274	0.000110677	9.98804E-05	0.000218094	0.000119335	0.000119077	0.000108252	9.76113E-05	0.000221465	0.000119335	0.000126933	4274
4275	0.000105649	9.54325E-05	0.000207296	0.000114056	0.000127227	0.000103436	9.33494E-05	0.000210749	0.000114056	0.000135993	4275
4276	0.000105242	9.51389E-05	0.000205761	0.000113674	0.000139144	0.000103081	9.31008E-05	0.000209267	0.000113674	0.000149234	4276
4277	0.000113751	0.000102735	0.000223351	0.000122999	0.000151709	0.000111423	0.000100562	0.000226974	0.000122999	0.000163177	4277
4278	0.0001258	0.000113491	0.000248273	0.000135946	0.000159474	0.00012312	0.000111015	0.000251907	0.000135946	0.000171892	4278
4279	0.000137319	0.000123292	0.000276873	0.000150376	0.000212285	0.000134917	0.000121256	0.000280256	0.000150376	0.000218087	4279
4280	0.000138935	0.00012434	0.000284151	0.000154102	0.000215722	0.000137092	0.000122977	0.000287261	0.000154102	0.000221999	4280
4281	0.000141576	0.000126778	0.000288797	0.00015665	0.000218928	0.000139545	0.000125238	0.00029176	0.00015665	0.000225496	4281
4282	0.000151419	0.000135486	0.000309939	0.000167602	0.000220941	0.00014925	0.000133849	0.000313113	0.000167602	0.000227695	4282
4283	0.000166209	0.000148518	0.000342224	0.000184488	0.000224448	0.000164012	0.00014691	0.000345956	0.000184488	0.000231553	4283
4284	0.000184857	0.000164901	0.000383402	0.000206688	0.000218425	0.000183018	0.000163717	0.000388368	0.000206688	0.000226901	4284
4285	0.000192398	0.000171563	0.000399689	0.000215553	0.000217687	0.000190662	0.000170507	0.000405097	0.000215553	0.000226097	4285
4286	0.000194205	0.000173163	0.000403557	0.000218143	0.000210424	0.000192703	0.000172339	0.00040935	0.000218143	0.000218026	4286
4287	0.000192965	0.000172199	0.000399567	0.00021672	0.00020579	0.000191491	0.00017139	0.000405348	0.00021672	0.000210891	4287
4288	0.000209236	0.000186571	0.000434736	0.000235412	0.000193962	0.00020779	0.000185851	0.000441209	0.000235412	0.000197804	4288
4289	0.000218791	0.000195036	0.00045513	0.000246121	0.000186407	0.000217248	0.000194257	0.000461859	0.000246121	0.000189473	4289
4290	0.000213869	0.000191067	0.000440732	0.000237627	0.000182471	0.000211139	0.000189095	0.000445665	0.000237627	0.000185164	4290
4291	0.000206478	0.000185071	0.000419462	0.000224322	0.00016526	0.000201712	0.000181067	0.000421359	0.000224322	0.000170227	4291
4292	0.000196141	0.000176222	0.000394324	0.000209867	0.000147879	0.000190272	0.000171093	0.000394321	0.000209867	0.000154878	4292
4293	0.000188155	0.00016959	0.000372865	0.000197906	0.000134155	0.000181317	0.000163363	0.000372328	0.000197906	0.000141711	4293
4294	0.00017044	0.000154206	0.000331963	0.000176562	0.000121682	0.000163379	0.000147576	0.000331503	0.000176562	0.00012974	4294
4295	0.00015013	0.000135797	0.000292729	0.000156093	0.000116762	0.000144202	0.000130218	0.000292977	0.000156093	0.000124294	4295
4296	0.000135948	0.000122834	0.000266423	0.00014345	0.000112205	0.000131522	0.000118682	0.000268119	0.00014345	0.000119274	4296
4297	0.000117578	0.000106118	0.00023159	0.000125752	0.000115988	0.000114525	0.000103258	0.000234395	0.000125752	0.000123489	4297
4298	0.000110677	9.98804E-05	0.000218094	0.000119335	0.000119077	0.000108252	9.76113E-05	0.000221465	0.000119335	0.000126933	4298
4299	0.000105649	9.54325E-05	0.000207296	0.000114056	0.000127227	0.000103436	9.33494E-05	0.000210749	0.000114056	0.000135993	4299
4300	0.000105242	9.51389E-05	0.000205761	0.000113674	0.000139144	0.000103081	9.31008E-05	0.000209267	0.000113674	0.000149234	4300
4301	0.000113751	0.000102735	0.000223351	0.000122999	0.000151709	0.000111423	0.000100562	0.000226974	0.000122999	0.000163177	4301
4302	0.0001258	0.000113491	0.000248273	0.000135946	0.000159474	0.00012312	0.000111015	0.000251907	0.000135946	0.000171892	4302
4303	0.000137319	0.000123292	0.000276873	0.000150376	0.000212285	0.000134917	0.000121256	0.000280256	0.000150376	0.000218087	4303
4304	0.000138935	0.00012434	0.000284151	0.000154102	0.000215722	0.000137092	0.000122977	0.000287261	0.000154102	0.000221999	4304
4305	0.000141576	0.000126778	0.000288797	0.00015665	0.000218928	0.000139545	0.000125238	0.00029176	0.00015665	0.000225496	4305
4306	0.000151419	0.000135486	0.000309939	0.000167602	0.000220941	0.00014925	0.000133849	0.000313113	0.000167602	0.000227695	4306
4307	0.000166209	0.000148518	0.000342224	0.000184488	0.000224448	0.000164012	0.00014691	0.000345956	0.000184488	0.000231553	4307
4308	0.000184857	0.000164901	0.000383402	0.000206688	0.000218425	0.000183018	0.000163717	0.000388368	0.000206688	0.000226901	4308
4309	0.000192398	0.000171563	0.000399689	0.000215553	0.000217687	0.000190662	0.000170507	0.000405097	0.000215553	0.000226097	4309
4310	0.000194205	0.000173163	0.000403557	0.000218143	0.000210424	0.000192703	0.000172339	0.00040935	0.000218143	0.000218026	4310
4311	0.000192965	0.000172199	0.000399567	0.00021672	0.00020579	0.000191491	0.00017139	0.000405348	0.00021672	0.000210891	4311
4312	0.000209236	0.000186571	0.000434736	0.000235412	0.000193962	0.00020779	0.000185851	0.000441209	0.000235412	0.000197804	4312
4313	0.000218791	0.000195036	0.00045513	0.000246121	0.000186407	0.000217248	0.000194257	0.000461859	0.000246121	0.000189473	4313
4314	0.000213869	0.000191067	0.000440732	0.000237627	0.000182471	0.000211139	0.000189095	0.000445665	0.000237627	0.000185164	4314
4315	0.000206478	0.000185071	0.000419462	0.000224322	0.00016526	0.000201712	0.000181067	0.000421359	0.000224322	0.000170227	4315
4316	0.000196141	0.000176222	0.000394324	0.000209867	0.000147879	0.000190272	0.000171093	0.000394321	0.000209867	0.000154878	4316
4317	0.000188155	0.00016959	0.000372865	0.000197906	0.000134155	0.000181317	0.000163363	0.000372328	0.000197906	0.000141711	4317
4318	0.00017044	0.000154206	0.000331963	0.000176562	0.000121682	0.000163379	0.000147576	0.000331503	0.000176562	0.00012974	4318
4319	0.00015013	0.000135797	0.000292729	0.000156093	0.000116762	0.000144202	0.000130218	0.000292977	0.000156093	0.000124294	4319
4320	0.000135948	0.000122834	0.000266423	0.00014345	0.000112205	0.000131522	0.000118682	0.000268119	0.00014345	0.000119274	4320
4321	0.000117578	0.000106118	0.00023159	0.000125752	0.000115988	0.000114525	0.000103258	0.000234395	0.000125752	0.000123489	4321
4322	0.000110677	9.98804E-05	0.000218094	0.000119335	0.000119077	0.000108252	9.76113E-05	0.000221465	0.000119335	0.000126933	4322
4323	0.000105649	9.54325E-05	0.000207296	0.000114056	0.000127227	0.000103436	9.33494E-05	0.000210749	0.000114056	0.000135993	4323

4324	0.000105242	9.51389E-05	0.000205761	0.000113674	0.000139144	0.000103081	9.31008E-05	0.000209267	0.000113674	0.000149234	4324
4325	0.000113751	0.000102735	0.000223351	0.000122999	0.000151709	0.000111423	0.000100562	0.000226974	0.000122999	0.000163177	4325
4326	0.0001258	0.000113491	0.000248273	0.000135946	0.000159474	0.00012312	0.000111015	0.000251907	0.000135946	0.000171892	4326
4327	0.000137319	0.000123292	0.000276873	0.000150376	0.000212285	0.000134917	0.000121256	0.000280256	0.000150376	0.000218087	4327
4328	0.000138935	0.00012434	0.000284151	0.000154102	0.000215722	0.000137092	0.000122977	0.000287261	0.000154102	0.000221999	4328
4329	0.000141576	0.000126778	0.000288797	0.00015665	0.000218928	0.000139545	0.000125238	0.00029176	0.00015665	0.000225496	4329
4330	0.000151419	0.000135486	0.000309939	0.000167602	0.000220941	0.00014925	0.000133849	0.000313113	0.000167602	0.000227695	4330
4331	0.000166209	0.000148518	0.000342224	0.000184488	0.000224448	0.000164012	0.00014691	0.000345956	0.000184488	0.000231553	4331
4332	0.000184857	0.000164901	0.000383402	0.000206688	0.000218425	0.000183018	0.000163717	0.000388368	0.000206688	0.000226901	4332
4333	0.000192398	0.000171563	0.000399689	0.000215553	0.000217687	0.000190662	0.000170507	0.000405097	0.000215553	0.000226097	4333
4334	0.000194205	0.000173163	0.000403557	0.000218143	0.000210424	0.000192703	0.000172339	0.00040935	0.000218143	0.000218026	4334
4335	0.000192965	0.000172199	0.000399567	0.00021672	0.00020579	0.000191491	0.00017139	0.000405348	0.00021672	0.000210891	4335
4336	0.000209236	0.000186571	0.000434736	0.000235412	0.000193962	0.00020779	0.000185851	0.000441209	0.000235412	0.000197804	4336
4337	0.000218791	0.000195036	0.00045513	0.000246121	0.000186407	0.000217248	0.000194257	0.000461859	0.000246121	0.000189473	4337
4338	0.000213869	0.000191067	0.000440732	0.000237627	0.000182471	0.000211139	0.000189095	0.000445665	0.000237627	0.000185164	4338
4339	0.000206478	0.000185071	0.000419462	0.000224322	0.00016526	0.000201712	0.000181067	0.000421359	0.000224322	0.000170227	4339
4340	0.000196141	0.000176222	0.000394324	0.000209867	0.000147879	0.000190272	0.000171093	0.000394321	0.000209867	0.000154878	4340
4341	0.000188155	0.00016959	0.000372865	0.000197906	0.000134155	0.000181317	0.000163363	0.000372328	0.000197906	0.000141711	4341
4342	0.00017044	0.000154206	0.000331963	0.000176562	0.000121682	0.000163379	0.000147576	0.000331503	0.000176562	0.00012974	4342
4343	0.00015013	0.000135797	0.000292729	0.000156093	0.000116762	0.000144202	0.000130218	0.000292977	0.000156093	0.000124294	4343
4344	0.000135948	0.000122834	0.000266423	0.00014345	0.000112205	0.000131522	0.000118682	0.000268119	0.00014345	0.000119274	4344
4345	0.000117578	0.000106118	0.00023159	0.000125752	0.000115988	0.000114525	0.000103258	0.000234395	0.000125752	0.000123489	4345
4346	0.000110677	9.98804E-05	0.000218094	0.000119335	0.000119077	0.000108252	9.76113E-05	0.000221465	0.000119335	0.000126933	4346
4347	0.000105649	9.54325E-05	0.000207296	0.000114056	0.000127227	0.000103436	9.33494E-05	0.000210749	0.000114056	0.000135993	4347
4348	0.000105242	9.51389E-05	0.000205761	0.000113674	0.000139144	0.000103081	9.31008E-05	0.000209267	0.000113674	0.000149234	4348
4349	0.000113751	0.000102735	0.000223351	0.000122999	0.000151709	0.000111423	0.000100562	0.000226974	0.000122999	0.000163177	4349
4350	0.0001258	0.000113491	0.000248273	0.000135946	0.000159474	0.00012312	0.000111015	0.000251907	0.000135946	0.000171892	4350
4351	0.000137319	0.000123292	0.000276873	0.000150376	0.000212285	0.000134917	0.000121256	0.000280256	0.000150376	0.000218087	4351
4352	0.000138935	0.00012434	0.000284151	0.000154102	0.000215722	0.000137092	0.000122977	0.000287261	0.000154102	0.000221999	4352
4353	0.000141576	0.000126778	0.000288797	0.00015665	0.000218928	0.000139545	0.000125238	0.00029176	0.00015665	0.000225496	4353
4354	0.000151419	0.000135486	0.000309939	0.000167602	0.000220941	0.00014925	0.000133849	0.000313113	0.000167602	0.000227695	4354
4355	0.000166209	0.000148518	0.000342224	0.000184488	0.000224448	0.000164012	0.00014691	0.000345956	0.000184488	0.000231553	4355
4356	0.000184857	0.000164901	0.000383402	0.000206688	0.000218425	0.000183018	0.000163717	0.000388368	0.000206688	0.000226901	4356
4357	0.000192398	0.000171563	0.000399689	0.000215553	0.000217687	0.000190662	0.000170507	0.000405097	0.000215553	0.000226097	4357
4358	0.000194205	0.000173163	0.000403557	0.000218143	0.000210424	0.000192703	0.000172339	0.00040935	0.000218143	0.000218026	4358
4359	0.000192965	0.000172199	0.000399567	0.00021672	0.00020579	0.000191491	0.00017139	0.000405348	0.00021672	0.000210891	4359
4360	0.000209236	0.000186571	0.000434736	0.000235412	0.000193962	0.00020779	0.000185851	0.000441209	0.000235412	0.000197804	4360
4361	0.000218791	0.000195036	0.00045513	0.000246121	0.000186407	0.000217248	0.000194257	0.000461859	0.000246121	0.000189473	4361
4362	0.000213869	0.000191067	0.000440732	0.000237627	0.000182471	0.000211139	0.000189095	0.000445665	0.000237627	0.000185164	4362
4363	0.000206478	0.000185071	0.000419462	0.000224322	0.00016526	0.000201712	0.000181067	0.000421359	0.000224322	0.000170227	4363
4364	0.000196141	0.000176222	0.000394324	0.000209867	0.000147879	0.000190272	0.000171093	0.000394321	0.000209867	0.000154878	4364
4365	0.000188155	0.00016959	0.000372865	0.000197906	0.000134155	0.000181317	0.000163363	0.000372328	0.000197906	0.000141711	4365
4366	0.00017044	0.000154206	0.000331963	0.000176562	0.000121682	0.000163379	0.000147576	0.000331503	0.000176562	0.00012974	4366
4367	0.00015013	0.000135797	0.000292729	0.000156093	0.000116762	0.000144202	0.000130218	0.000292977	0.000156093	0.000124294	4367
4368	0.000135948	0.000122834	0.000266423	0.00014345	0.000112205	0.000131522	0.000118682	0.000268119	0.00014345	0.000119274	4368
4369	0.000138803	0.000125138	0.000274766	0.000150278	0.000122175	0.000135912	0.000122497	0.00027864	0.000150278	0.000130266	4369
4370	0.000127252	0.000114799	0.000251156	0.00013842	0.000125329	0.000124939	0.000112682	0.000255342	0.00013842	0.000133785	4370
4371	0.000121142	0.000109316	0.000238807	0.000131958	0.000133294	0.000119047	0.000107393	0.00024304	0.000131958	0.000142631	4371
4372	0.000122183	0.000110212	0.000241282	0.000133358	0.000144344	0.000120175	0.000108379	0.000245675	0.000133358	0.000154877	4372
4373	0.00012623	0.000113863	0.000249267	0.000137473	0.000156626	0.000124009	0.000111834	0.000253535	0.000137473	0.000168504	4373
4374	0.000133121	0.000120239	0.00026129	0.000144213	0.000164337	0.000130454	0.000117786	0.000265234	0.000144213	0.000177196	4374
4375	0.000147172	0.000132388	0.000294258	0.00016149	0.000217947	0.000144785	0.000130379	0.000298055	0.00016149	0.000224271	4375
4376	0.000161646	0.000144753	0.000329724	0.00018028	0.000220867	0.000159962	0.000143607	0.000333958	0.00018028	0.000227613	4376
4377	0.000176515	0.000157974	0.000360988	0.000197136	0.000223507	0.000174776	0.000156827	0.000365747	0.000197136	0.0002305	4377
4378	0.000191942	0.000171685	0.000393478	0.000214539	0.000225129	0.000190107	0.000170498	0.000398729	0.000214539	0.000232274	4378
4379	0.000206183	0.000184274	0.00042416	0.000230741	0.000225519	0.000204305	0.000183098	0.000429926	0.000230741	0.000232682	4379
4380	0.000219841	0.000196286	0.000454198	0.000247075	0.000217994	0.000218261	0.000195453	0.000460915	0.000247075	0.000226352	4380
4381	0.000233562	0.000208434	0.000483563	0.000263131	0.000216952	0.000232143	0.000207808	0.00049105	0.000263131	0.000225207	4381
4382	0.000246119	0.00021955	0.000510454	0.000278261	0.000211929	0.000245041	0.0002193	0.000518904	0.000278261	0.000219683	4382
4383	0.000260476	0.000232136	0.000542436	0.000295295	0.000211042	0.000259643	0.000232182	0.000551794	0.000295295	0.000216678	4383
4384	0.000271755	0.000242103	0.000566766	0.000308148	0.000202111	0.000270895	0.000242166	0.000576543	0.000308148	0.000206805	4384
4385	0.000280453	0.00024985	0.000584926	0.000317818	0.000196213	0.000279479	0.000249832	0.0005949	0.000317818	0.000200323	4385
4386	0.000274944	0.000245253	0.000570346	0.000308749	0.000193206	0.000272801	0.000244065	0.000578526	0.000308749	0.000197061	4386
4387	0.000263006	0.000235087	0.000540771	0.000290286	0.000176177	0.000258814	0.000231847	0.000545716	0.000290286	0.000182322	4387
4388	0.000246004	0.000220255	0.000502191	0.000268142	0.000159849	0.000240661	0.000215824	0.000504904	0.000268142	0.000168141	4388
4389	0.000228906	0.000205744	0.000459352	0.000245361	0.000146124	0.00022246	0.00020004	0.000460983	0.000245361	0.000154972	4389
4390	0.000206542	0.000186279	0.000408145	0.000218558	0.000135606	0.000199818	0.000180101	0.000409591	0.000218558	0.000145182	4390
4391	0.000178116	0.000160678	0.000351617	0.000188632	0.00012952	0.000172446	0.000155444	0.000353337	0.000188632	0.000138449	4391
4392	0.000154843	0.000139659	0.000305909	0.00016539	0.000125623	0.000150584	0.000135732	0.00030859	0.00016539	0.000134136	4392
4393	0.000139409	0.000125669	0.000276112	0.00015099	0.00012158	0.000136525	0.000123038	0.00028002	0.00015099	0.000129608	4393
4394	0.00012739	0.00011492	0.000251459	0.000138582	0.000125251	0.000125079	0.000112806	0.000255652	0.000138582	0.000133698	4394
4395	0.000121191	0.000109363	0.000238869	0.000132011	0.000133217	0.000119096	0.00010744	0.000243104	0.000132011	0.000142544	4395
4396	0.000122683	0.000110657	0.000242327	0.000133938	0.00014419	0.00012068	0.00010883	0.000246746	0.000133938	0.000154704	4396
4397	0.000126715	0.000114301	0.000250225	0.000138031	0.000156632	0.000124497	0.000112276	0.000254517	0.000138031	0.00016851	4397
4398	0.00013385	0.000120891	0.000262781	0.000145056	0.000164436	0.000131188	0.000118445	0.000266763	0.000145056	0.000177305	4398
4399	0.000149362	0.00013463	0.000295932	0.000162504	0.000217964	0.000146486	0.000132079	0.00029977	0.000162504	0.000224287	4399

4400	0.000161508	0.000144636	0.000329368	0.000180112	0.000220873	0.000159821	0.000143487	0.000333593	0.000180112	0.000227617	**4400**
4401	0.000175673	0.000157238	0.000359086	0.000196143	0.000223529	0.000173923	0.000156076	0.000363796	0.000196143	0.000230522	**4401**
4402	0.00019148	0.00017128	0.000392456	0.000213997	0.000225058	0.00018964	0.000170085	0.000397682	0.000213997	0.000232191	**4402**
4403	0.000206975	0.00018498	0.000425812	0.00023166	0.000225395	0.000205104	0.000183813	0.000431619	0.00023166	0.000232541	**4403**
4404	0.000220803	0.000197129	0.000456344	0.000248206	0.000217749	0.000219234	0.000196311	0.000463116	0.000248206	0.000226077	**4404**
4405	0.000234768	0.000209495	0.000486212	0.000264545	0.00021661	0.000233363	0.000208887	0.000493765	0.000264545	0.000224823	**4405**
4406	0.000248292	0.00022146	0.000515246	0.00028081	0.000211656	0.000247239	0.000221243	0.000523817	0.00028081	0.000219372	**4406**
4407	0.000262957	0.000234323	0.000547842	0.000298199	0.000211084	0.00026215	0.000234405	0.000557335	0.000298199	0.000216714	**4407**
4408	0.00027455	0.000244566	0.000572871	0.000311421	0.000202427	0.000273722	0.00024467	0.000582802	0.000311421	0.000207144	**4408**
4409	0.000284759	0.000253649	0.000594274	0.000322853	0.000196507	0.000283831	0.000253692	0.000604483	0.000322853	0.000200636	**4409**
4410	0.000279392	0.000249188	0.000579893	0.000313939	0.000193351	0.000277294	0.000248061	0.000588313	0.000313939	0.000197205	**4410**
4411	0.000267841	0.000239367	0.000551135	0.000295927	0.000176249	0.000263698	0.000236191	0.00055634	0.000295927	0.000182386	**4411**
4412	0.000250447	0.000224185	0.000511729	0.000273326	0.000159899	0.000245149	0.000219815	0.000514681	0.000273326	0.000168179	**4412**
4413	0.000231382	0.000207622	0.000467775	0.0002498	0.000146073	0.000225474	0.000202526	0.000469618	0.0002498	0.000154901	**4413**
4414	0.000210085	0.000189414	0.000415745	0.000222692	0.000135712	0.000203397	0.000183284	0.000417381	0.000222692	0.000145286	**4414**
4415	0.000180717	0.000162986	0.00035713	0.00019166	0.000129757	0.000175072	0.000157785	0.000358988	0.00019166	0.000138699	**4415**
4416	0.000157391	0.000141917	0.000311349	0.000168361	0.000125984	0.000153158	0.000138024	0.000314167	0.000168361	0.000134524	**4416**
4417	0.000139409	0.000125669	0.000276112	0.00015099	0.00012158	0.000136525	0.000123038	0.00028002	0.00015099	0.000129608	**4417**
4418	0.00012739	0.00011492	0.000251459	0.000138582	0.000125251	0.000125079	0.000112806	0.000255652	0.000138582	0.000133698	**4418**
4419	0.000121191	0.000109363	0.000238869	0.000132011	0.000133217	0.000119096	0.00010744	0.000243104	0.000132011	0.000142544	**4419**
4420	0.000122683	0.000110657	0.000242327	0.000133938	0.00014419	0.00012068	0.00010883	0.000246746	0.000133938	0.000154704	**4420**
4421	0.000126715	0.000114301	0.000250225	0.000138031	0.000156632	0.000124497	0.000112276	0.000254517	0.000138031	0.00016851	**4421**
4422	0.00013385	0.000120891	0.000262781	0.000145056	0.000164436	0.000131188	0.000118445	0.000266763	0.000145056	0.000177305	**4422**
4423	0.000149362	0.00013463	0.000295932	0.000162504	0.000217964	0.000146486	0.000132079	0.00029977	0.000162504	0.000224287	**4423**
4424	0.000161508	0.000144636	0.000329368	0.000180112	0.000220873	0.000159821	0.000143487	0.000333593	0.000180112	0.000227617	**4424**
4425	0.000175673	0.000157238	0.000359086	0.000196143	0.000223529	0.000173923	0.000156076	0.000363796	0.000196143	0.000230522	**4425**
4426	0.00019148	0.00017128	0.000392456	0.000213997	0.000225058	0.00018964	0.000170085	0.000397682	0.000213997	0.000232191	**4426**
4427	0.000206975	0.00018498	0.000425812	0.00023166	0.000225395	0.000205104	0.000183813	0.000431619	0.00023166	0.000232541	**4427**
4428	0.000220803	0.000197129	0.000456344	0.000248206	0.000217749	0.000219234	0.000196311	0.000463116	0.000248206	0.000226077	**4428**
4429	0.000234768	0.000209495	0.000486212	0.000264545	0.00021661	0.000233363	0.000208887	0.000493765	0.000264545	0.000224823	**4429**
4430	0.000248292	0.00022146	0.000515246	0.00028081	0.000211656	0.000247239	0.000221243	0.000523817	0.00028081	0.000219372	**4430**
4431	0.000262957	0.000234323	0.000547842	0.000298199	0.000211084	0.00026215	0.000234405	0.000557335	0.000298199	0.000216714	**4431**
4432	0.00027455	0.000244566	0.000572871	0.000311421	0.000202427	0.000273722	0.00024467	0.000582802	0.000311421	0.000207144	**4432**
4433	0.000284759	0.000253649	0.000594274	0.000322853	0.000196507	0.000283831	0.000253692	0.000604483	0.000322853	0.000200636	**4433**
4434	0.000279392	0.000249188	0.000579893	0.000313939	0.000193351	0.000277294	0.000248061	0.000588313	0.000313939	0.000197205	**4434**
4435	0.000267841	0.000239367	0.000551135	0.000295927	0.000176249	0.000263698	0.000236191	0.00055634	0.000295927	0.000182386	**4435**
4436	0.000250447	0.000224185	0.000511729	0.000273326	0.000159899	0.000245149	0.000219815	0.000514681	0.000273326	0.000168179	**4436**
4437	0.000231382	0.000207622	0.000467775	0.0002498	0.000146073	0.000225474	0.000202526	0.000469618	0.0002498	0.000154901	**4437**
4438	0.000210085	0.000189414	0.000415745	0.000222692	0.000135712	0.000203397	0.000183284	0.000417381	0.000222692	0.000145286	**4438**
4439	0.000180717	0.000162986	0.00035713	0.00019166	0.000129757	0.000175072	0.000157785	0.000358988	0.00019166	0.000138699	**4439**
4440	0.000157391	0.000141917	0.000311349	0.000168361	0.000125984	0.000153158	0.000138024	0.000314167	0.000168361	0.000134524	**4440**
4441	0.000139409	0.000125669	0.000276112	0.00015099	0.00012158	0.000136525	0.000123038	0.00028002	0.00015099	0.000129608	**4441**
4442	0.00012739	0.00011492	0.000251459	0.000138582	0.000125251	0.000125079	0.000112806	0.000255652	0.000138582	0.000133698	**4442**
4443	0.000121191	0.000109363	0.000238869	0.000132011	0.000133217	0.000119096	0.00010744	0.000243104	0.000132011	0.000142544	**4443**
4444	0.000122683	0.000110657	0.000242327	0.000133938	0.00014419	0.00012068	0.00010883	0.000246746	0.000133938	0.000154704	**4444**
4445	0.000126715	0.000114301	0.000250225	0.000138031	0.000156632	0.000124497	0.000112276	0.000254517	0.000138031	0.00016851	**4445**
4446	0.00013385	0.000120891	0.000262781	0.000145056	0.000164436	0.000131188	0.000118445	0.000266763	0.000145056	0.000177305	**4446**
4447	0.000149362	0.00013463	0.000295932	0.000162504	0.000217964	0.000146486	0.000132079	0.00029977	0.000162504	0.000224287	**4447**
4448	0.000161508	0.000144636	0.000329368	0.000180112	0.000220873	0.000159821	0.000143487	0.000333593	0.000180112	0.000227617	**4448**
4449	0.000175673	0.000157238	0.000359086	0.000196143	0.000223529	0.000173923	0.000156076	0.000363796	0.000196143	0.000230522	**4449**
4450	0.00019148	0.00017128	0.000392456	0.000213997	0.000225058	0.00018964	0.000170085	0.000397682	0.000213997	0.000232191	**4450**
4451	0.000206975	0.00018498	0.000425812	0.00023166	0.000225395	0.000205104	0.000183813	0.000431619	0.00023166	0.000232541	**4451**
4452	0.000220803	0.000197129	0.000456344	0.000248206	0.000217749	0.000219234	0.000196311	0.000463116	0.000248206	0.000226077	**4452**
4453	0.000234768	0.000209495	0.000486212	0.000264545	0.00021661	0.000233363	0.000208887	0.000493765	0.000264545	0.000224823	**4453**
4454	0.000248292	0.00022146	0.000515246	0.00028081	0.000211656	0.000247239	0.000221243	0.000523817	0.00028081	0.000219372	**4454**
4455	0.000262957	0.000234323	0.000547842	0.000298199	0.000211084	0.00026215	0.000234405	0.000557335	0.000298199	0.000216714	**4455**
4456	0.00027455	0.000244566	0.000572871	0.000311421	0.000202427	0.000273722	0.00024467	0.000582802	0.000311421	0.000207144	**4456**
4457	0.000284759	0.000253649	0.000594274	0.000322853	0.000196507	0.000283831	0.000253692	0.000604483	0.000322853	0.000200636	**4457**
4458	0.000279392	0.000249188	0.000579893	0.000313939	0.000193351	0.000277294	0.000248061	0.000588313	0.000313939	0.000197205	**4458**
4459	0.000267841	0.000239367	0.000551135	0.000295927	0.000176249	0.000263698	0.000236191	0.00055634	0.000295927	0.000182386	**4459**
4460	0.000250447	0.000224185	0.000511729	0.000273326	0.000159899	0.000245149	0.000219815	0.000514681	0.000273326	0.000168179	**4460**
4461	0.000231382	0.000207622	0.000467775	0.0002498	0.000146073	0.000225474	0.000202526	0.000469618	0.0002498	0.000154901	**4461**
4462	0.000210085	0.000189414	0.000415745	0.000222692	0.000135712	0.000203397	0.000183284	0.000417381	0.000222692	0.000145286	**4462**
4463	0.000180717	0.000162986	0.00035713	0.00019166	0.000129757	0.000175072	0.000157785	0.000358988	0.00019166	0.000138699	**4463**
4464	0.000157391	0.000141917	0.000311349	0.000168361	0.000125984	0.000153158	0.000138024	0.000314167	0.000168361	0.000134524	**4464**
4465	0.000138803	0.000125138	0.000274766	0.000150278	0.000122175	0.000135912	0.000122497	0.00027864	0.000150278	0.000130266	**4465**
4466	0.000127252	0.000114799	0.000251156	0.00013842	0.000125329	0.000124939	0.000112682	0.000255342	0.00013842	0.000133785	**4466**
4467	0.000121142	0.000109316	0.000238807	0.000131958	0.000133294	0.000119047	0.000107393	0.00024304	0.000131958	0.000142631	**4467**
4468	0.000122183	0.000110212	0.000241282	0.000133358	0.000144344	0.000120175	0.000108379	0.000245675	0.000133358	0.000154877	**4468**
4469	0.00012623	0.000113863	0.000249267	0.000137473	0.000156626	0.000124009	0.000111834	0.000253535	0.000137473	0.000168504	**4469**
4470	0.000133121	0.000120239	0.00026129	0.000144213	0.000164337	0.000130454	0.000117786	0.000265234	0.000144213	0.000177196	**4470**
4471	0.000147172	0.000132388	0.000294258	0.00016149	0.000217947	0.000144785	0.000130379	0.000298055	0.00016149	0.000224271	**4471**
4472	0.000161646	0.000144753	0.000329724	0.00018028	0.000220867	0.000159962	0.000143607	0.000333958	0.00018028	0.000227613	**4472**
4473	0.000176515	0.000157974	0.000360988	0.000197136	0.000223507	0.000174776	0.000156827	0.000365747	0.000197136	0.0002305	**4473**
4474	0.000191942	0.000171685	0.000393478	0.000214539	0.000225129	0.000190107	0.000170498	0.000398729	0.000214539	0.000232274	**4474**
4475	0.000206183	0.000184274	0.00042416	0.000230741	0.000225519	0.000204305	0.000183098	0.000429926	0.000230741	0.000232682	**4475**

4476	0.000219841	0.000196286	0.000454198	0.000247075	0.000217994	0.000218261	0.000195453	0.000460915	0.000247075	0.000226352	**4476**
4477	0.000233562	0.000208434	0.000483563	0.000263131	0.000216952	0.000232143	0.000207808	0.00049105	0.000263131	0.000225207	**4477**
4478	0.000246119	0.00021955	0.000510454	0.000278261	0.000211929	0.000245041	0.0002193	0.000518904	0.000278261	0.000219683	**4478**
4479	0.000260476	0.000232136	0.000542436	0.000295295	0.000211042	0.000259643	0.000232182	0.000551794	0.000295295	0.000216678	**4479**
4480	0.000271755	0.000242103	0.000566766	0.000308148	0.000202111	0.000270895	0.000242166	0.000576543	0.000308148	0.000206805	**4480**
4481	0.000280453	0.00024985	0.000584926	0.000317818	0.000196213	0.000279479	0.000249832	0.0005949	0.000317818	0.000200323	**4481**
4482	0.000274944	0.000245253	0.000570346	0.000308749	0.000193206	0.000272801	0.000244065	0.000578526	0.000308749	0.000197061	**4482**
4483	0.000263006	0.000235087	0.000540771	0.000290286	0.000176177	0.000258814	0.000231847	0.000545716	0.000290286	0.000182322	**4483**
4484	0.000246004	0.000220255	0.000502191	0.000268142	0.000159849	0.000240661	0.000215824	0.000504904	0.000268142	0.000168141	**4484**
4485	0.000228906	0.000205744	0.000459352	0.000245361	0.000146124	0.00022246	0.00020004	0.000460983	0.000245361	0.000154972	**4485**
4486	0.000206542	0.000186279	0.000408145	0.000218558	0.000135606	0.000199818	0.000180101	0.000409591	0.000218558	0.000145182	**4486**
4487	0.000178116	0.000160678	0.000351617	0.000188632	0.00012952	0.000172446	0.000155444	0.000353337	0.000188632	0.000138449	**4487**
4488	0.000154843	0.000139659	0.000305909	0.00016539	0.000125623	0.000150584	0.000135732	0.00030859	0.00016539	0.000134136	**4488**
4489	0.000138803	0.000125138	0.000274766	0.000150278	0.000122175	0.000135912	0.000122497	0.00027864	0.000150278	0.000130266	**4489**
4490	0.000127252	0.000114799	0.000251156	0.00013842	0.000125329	0.000124939	0.000112682	0.000255342	0.00013842	0.000133785	**4490**
4491	0.000121142	0.000109316	0.000238807	0.000131958	0.000133294	0.000119047	0.000107393	0.00024304	0.000131958	0.000142631	**4491**
4492	0.000122183	0.000110212	0.000241282	0.000133358	0.000144344	0.000120175	0.000108379	0.000245675	0.000133358	0.000154877	**4492**
4493	0.00012623	0.000113863	0.000249267	0.000137473	0.000156626	0.000124009	0.000111834	0.000253535	0.000137473	0.000168504	**4493**
4494	0.000133121	0.000120239	0.00026129	0.000144213	0.000164337	0.000130454	0.000117786	0.000265234	0.000144213	0.000177196	**4494**
4495	0.000147172	0.000132388	0.000294258	0.00016149	0.000217947	0.000144785	0.000130379	0.000298055	0.00016149	0.000224271	**4495**
4496	0.000161646	0.000144753	0.000329724	0.00018028	0.000220867	0.000159962	0.000143607	0.000333958	0.00018028	0.000227613	**4496**
4497	0.000176515	0.000157974	0.000360988	0.000197136	0.000223507	0.000174776	0.000156827	0.000365747	0.000197136	0.0002305	**4497**
4498	0.000191942	0.000171685	0.000393478	0.000214539	0.000225129	0.000190107	0.000170498	0.000398729	0.000214539	0.000232274	**4498**
4499	0.000206183	0.000184274	0.00042416	0.000230741	0.000225519	0.000204305	0.000183098	0.000429926	0.000230741	0.000232682	**4499**
4500	0.000219841	0.000196286	0.000454198	0.000247075	0.000217994	0.000218261	0.000195453	0.000460915	0.000247075	0.000226352	**4500**
4501	0.000233562	0.000208434	0.000483563	0.000263131	0.000216952	0.000232143	0.000207808	0.00049105	0.000263131	0.000225207	**4501**
4502	0.000246119	0.00021955	0.000510454	0.000278261	0.000211929	0.000245041	0.0002193	0.000518904	0.000278261	0.000219683	**4502**
4503	0.000260476	0.000232136	0.000542436	0.000295295	0.000211042	0.000259643	0.000232182	0.000551794	0.000295295	0.000216678	**4503**
4504	0.000271755	0.000242103	0.000566766	0.000308148	0.000202111	0.000270895	0.000242166	0.000576543	0.000308148	0.000206805	**4504**
4505	0.000280453	0.00024985	0.000584926	0.000317818	0.000196213	0.000279479	0.000249832	0.0005949	0.000317818	0.000200323	**4505**
4506	0.000274944	0.000245253	0.000570346	0.000308749	0.000193206	0.000272801	0.000244065	0.000578526	0.000308749	0.000197061	**4506**
4507	0.000263006	0.000235087	0.000540771	0.000290286	0.000176177	0.000258814	0.000231847	0.000545716	0.000290286	0.000182322	**4507**
4508	0.000246004	0.000220255	0.000502191	0.000268142	0.000159849	0.000240661	0.000215824	0.000504904	0.000268142	0.000168141	**4508**
4509	0.000228906	0.000205744	0.000459352	0.000245361	0.000146124	0.00022246	0.00020004	0.000460983	0.000245361	0.000154972	**4509**
4510	0.000206542	0.000186279	0.000408145	0.000218558	0.000135606	0.000199818	0.000180101	0.000409591	0.000218558	0.000145182	**4510**
4511	0.000178116	0.000160678	0.000351617	0.000188632	0.00012952	0.000172446	0.000155444	0.000353337	0.000188632	0.000138449	**4511**
4512	0.000154843	0.000139659	0.000305909	0.00016539	0.000125623	0.000150584	0.000135732	0.00030859	0.00016539	0.000134136	**4512**
4513	0.000138803	0.000125138	0.000274766	0.000150278	0.000122175	0.000135912	0.000122497	0.00027864	0.000150278	0.000130266	**4513**
4514	0.000127252	0.000114799	0.000251156	0.00013842	0.000125329	0.000124939	0.000112682	0.000255342	0.00013842	0.000133785	**4514**
4515	0.000121142	0.000109316	0.000238807	0.000131958	0.000133294	0.000119047	0.000107393	0.00024304	0.000131958	0.000142631	**4515**
4516	0.000122183	0.000110212	0.000241282	0.000133358	0.000144344	0.000120175	0.000108379	0.000245675	0.000133358	0.000154877	**4516**
4517	0.00012623	0.000113863	0.000249267	0.000137473	0.000156626	0.000124009	0.000111834	0.000253535	0.000137473	0.000168504	**4517**
4518	0.000133121	0.000120239	0.00026129	0.000144213	0.000164337	0.000130454	0.000117786	0.000265234	0.000144213	0.000177196	**4518**
4519	0.000147172	0.000132388	0.000294258	0.00016149	0.000217947	0.000144785	0.000130379	0.000298055	0.00016149	0.000224271	**4519**
4520	0.000161646	0.000144753	0.000329724	0.00018028	0.000220867	0.000159962	0.000143607	0.000333958	0.00018028	0.000227613	**4520**
4521	0.000176515	0.000157974	0.000360988	0.000197136	0.000223507	0.000174776	0.000156827	0.000365747	0.000197136	0.0002305	**4521**
4522	0.000191942	0.000171685	0.000393478	0.000214539	0.000225129	0.000190107	0.000170498	0.000398729	0.000214539	0.000232274	**4522**
4523	0.000206183	0.000184274	0.00042416	0.000230741	0.000225519	0.000204305	0.000183098	0.000429926	0.000230741	0.000232682	**4523**
4524	0.000219841	0.000196286	0.000454198	0.000247075	0.000217994	0.000218261	0.000195453	0.000460915	0.000247075	0.000226352	**4524**
4525	0.000233562	0.000208434	0.000483563	0.000263131	0.000216952	0.000232143	0.000207808	0.00049105	0.000263131	0.000225207	**4525**
4526	0.000246119	0.00021955	0.000510454	0.000278261	0.000211929	0.000245041	0.0002193	0.000518904	0.000278261	0.000219683	**4526**
4527	0.000260476	0.000232136	0.000542436	0.000295295	0.000211042	0.000259643	0.000232182	0.000551794	0.000295295	0.000216678	**4527**
4528	0.000271755	0.000242103	0.000566766	0.000308148	0.000202111	0.000270895	0.000242166	0.000576543	0.000308148	0.000206805	**4528**
4529	0.000280453	0.00024985	0.000584926	0.000317818	0.000196213	0.000279479	0.000249832	0.0005949	0.000317818	0.000200323	**4529**
4530	0.000274944	0.000245253	0.000570346	0.000308749	0.000193206	0.000272801	0.000244065	0.000578526	0.000308749	0.000197061	**4530**
4531	0.000263006	0.000235087	0.000540771	0.000290286	0.000176177	0.000258814	0.000231847	0.000545716	0.000290286	0.000182322	**4531**
4532	0.000246004	0.000220255	0.000502191	0.000268142	0.000159849	0.000240661	0.000215824	0.000504904	0.000268142	0.000168141	**4532**
4533	0.000228906	0.000205744	0.000459352	0.000245361	0.000146124	0.00022246	0.00020004	0.000460983	0.000245361	0.000154972	**4533**
4534	0.000206542	0.000186279	0.000408145	0.000218558	0.000135606	0.000199818	0.000180101	0.000409591	0.000218558	0.000145182	**4534**
4535	0.000178116	0.000160678	0.000351617	0.000188632	0.00012952	0.000172446	0.000155444	0.000353337	0.000188632	0.000138449	**4535**
4536	0.000154843	0.000139659	0.000305909	0.00016539	0.000125623	0.000150584	0.000135732	0.00030859	0.00016539	0.000134136	**4536**
4537	0.000138803	0.000125138	0.000274766	0.000150278	0.000122175	0.000135912	0.000122497	0.00027864	0.000150278	0.000130266	**4537**
4538	0.000127252	0.000114799	0.000251156	0.00013842	0.000125329	0.000124939	0.000112682	0.000255342	0.00013842	0.000133785	**4538**
4539	0.000121142	0.000109316	0.000238807	0.000131958	0.000133294	0.000119047	0.000107393	0.00024304	0.000131958	0.000142631	**4539**
4540	0.000122183	0.000110212	0.000241282	0.000133358	0.000144344	0.000120175	0.000108379	0.000245675	0.000133358	0.000154877	**4540**
4541	0.00012623	0.000113863	0.000249267	0.000137473	0.000156626	0.000124009	0.000111834	0.000253535	0.000137473	0.000168504	**4541**
4542	0.000133121	0.000120239	0.00026129	0.000144213	0.000164337	0.000130454	0.000117786	0.000265234	0.000144213	0.000177196	**4542**
4543	0.000147172	0.000132388	0.000294258	0.00016149	0.000217947	0.000144785	0.000130379	0.000298055	0.00016149	0.000224271	**4543**
4544	0.000161646	0.000144753	0.000329724	0.00018028	0.000220867	0.000159962	0.000143607	0.000333958	0.00018028	0.000227613	**4544**
4545	0.000176515	0.000157974	0.000360988	0.000197136	0.000223507	0.000174776	0.000156827	0.000365747	0.000197136	0.0002305	**4545**
4546	0.000191942	0.000171685	0.000393478	0.000214539	0.000225129	0.000190107	0.000170498	0.000398729	0.000214539	0.000232274	**4546**
4547	0.000206183	0.000184274	0.00042416	0.000230741	0.000225519	0.000204305	0.000183098	0.000429926	0.000230741	0.000232682	**4547**
4548	0.000219841	0.000196286	0.000454198	0.000247075	0.000217994	0.000218261	0.000195453	0.000460915	0.000247075	0.000226352	**4548**
4549	0.000233562	0.000208434	0.000483563	0.000263131	0.000216952	0.000232143	0.000207808	0.00049105	0.000263131	0.000225207	**4549**
4550	0.000246119	0.00021955	0.000510454	0.000278261	0.000211929	0.000245041	0.0002193	0.000518904	0.000278261	0.000219683	**4550**
4551	0.000260476	0.000232136	0.000542436	0.000295295	0.000211042	0.000259643	0.000232182	0.000551794	0.000295295	0.000216678	**4551**

4552	0.000271755	0.000242103	0.000566766	0.000308148	0.000202111	0.000270895	0.000242166	0.000576543	0.000308148	0.000206805	4552
4553	0.000280453	0.00024985	0.000584926	0.000317818	0.000196213	0.000279479	0.000249832	0.0005949	0.000317818	0.000200323	4553
4554	0.000274944	0.000245253	0.000570346	0.000308749	0.000193206	0.000272801	0.000244065	0.000578526	0.000308749	0.000197061	4554
4555	0.000263006	0.000235087	0.000540771	0.000290286	0.000176177	0.000258814	0.000231847	0.000545716	0.000290286	0.000182322	4555
4556	0.000246004	0.000220255	0.000502191	0.000268142	0.000159849	0.000240661	0.000215824	0.000504904	0.000268142	0.000168141	4556
4557	0.000228906	0.000205744	0.000459352	0.000245361	0.000146124	0.00022246	0.00020004	0.000460983	0.000245361	0.000154972	4557
4558	0.000206542	0.000186279	0.000408145	0.000218558	0.000135606	0.000199818	0.000180101	0.000409591	0.000218558	0.000145182	4558
4559	0.000178116	0.000160678	0.000351617	0.000188632	0.00012952	0.000172446	0.000155444	0.000353337	0.000188632	0.000138449	4559
4560	0.000154843	0.000139659	0.000305909	0.00016539	0.000125623	0.000150584	0.000135732	0.00030859	0.00016539	0.000134136	4560
4561	0.000139409	0.000125669	0.000276112	0.00015099	0.00012158	0.000136525	0.000123038	0.00028002	0.00015099	0.000129608	4561
4562	0.00012739	0.00011492	0.000251459	0.000138582	0.000125251	0.000125079	0.000112806	0.000255652	0.000138582	0.000133698	4562
4563	0.000121191	0.000109363	0.000238869	0.000132011	0.000133217	0.000119096	0.00010744	0.000243104	0.000132011	0.000142544	4563
4564	0.000122683	0.000110657	0.000242327	0.000133938	0.00014419	0.00012068	0.00010883	0.000246746	0.000133938	0.000154704	4564
4565	0.000126715	0.000114301	0.000250225	0.000138031	0.000156632	0.000124497	0.000112276	0.000254517	0.000138031	0.00016851	4565
4566	0.00013385	0.000120891	0.000262781	0.000145056	0.000164436	0.000131188	0.000118445	0.000266763	0.000145056	0.000177305	4566
4567	0.000149362	0.00013463	0.000295932	0.000162504	0.000217964	0.000146486	0.000132079	0.00029977	0.000162504	0.000224287	4567
4568	0.000161508	0.000144636	0.000329368	0.000180112	0.000220873	0.000159821	0.000143487	0.000333593	0.000180112	0.000227617	4568
4569	0.000175673	0.000157238	0.000359086	0.000196143	0.000223529	0.000173923	0.000156076	0.000363796	0.000196143	0.000230522	4569
4570	0.00019148	0.00017128	0.000392456	0.000213997	0.000225058	0.00018964	0.000170085	0.000397682	0.000213997	0.000232191	4570
4571	0.000206975	0.00018498	0.000425812	0.00023166	0.000225395	0.000205104	0.000183813	0.000431619	0.00023166	0.000232541	4571
4572	0.000220803	0.000197129	0.000456344	0.000248206	0.000217749	0.000219234	0.000196311	0.000463116	0.000248206	0.000226077	4572
4573	0.000234768	0.000209495	0.000486212	0.000264545	0.00021661	0.000233363	0.000208887	0.000493765	0.000264545	0.000224823	4573
4574	0.000248292	0.00022146	0.000515246	0.00028081	0.000211656	0.000247239	0.000221243	0.000523817	0.00028081	0.000219372	4574
4575	0.000262957	0.000234323	0.000547842	0.000298199	0.000211084	0.00026215	0.000234405	0.000557335	0.000298199	0.000216714	4575
4576	0.00027455	0.000244566	0.000572871	0.000311421	0.000202427	0.000273722	0.00024467	0.000582802	0.000311421	0.000207144	4576
4577	0.000284759	0.000253649	0.000594274	0.000322853	0.000196507	0.000283831	0.000253692	0.000604483	0.000322853	0.000200636	4577
4578	0.000279392	0.000249188	0.000579893	0.000313939	0.000193351	0.000277294	0.000248061	0.000588313	0.000313939	0.000197205	4578
4579	0.000267841	0.000239367	0.000551135	0.000295927	0.000176249	0.000263698	0.000236191	0.00055634	0.000295927	0.000182386	4579
4580	0.000250447	0.000224185	0.000511729	0.000273326	0.000159899	0.000245149	0.000219815	0.000514681	0.000273326	0.000168179	4580
4581	0.000231382	0.000207622	0.000467775	0.0002498	0.000146073	0.000225474	0.000202526	0.000469618	0.0002498	0.000154901	4581
4582	0.000210085	0.000189414	0.000415745	0.000222692	0.000135712	0.000203397	0.000183284	0.000417381	0.000222692	0.000145286	4582
4583	0.000180717	0.000162986	0.00035713	0.00019166	0.000129757	0.000175072	0.000157785	0.000358988	0.00019166	0.000138699	4583
4584	0.000157391	0.000141917	0.000311349	0.000168361	0.000125984	0.000153158	0.000138024	0.000314167	0.000168361	0.000134524	4584
4585	0.000139409	0.000125669	0.000276112	0.00015099	0.00012158	0.000136525	0.000123038	0.00028002	0.00015099	0.000129608	4585
4586	0.00012739	0.00011492	0.000251459	0.000138582	0.000125251	0.000125079	0.000112806	0.000255652	0.000138582	0.000133698	4586
4587	0.000121191	0.000109363	0.000238869	0.000132011	0.000133217	0.000119096	0.00010744	0.000243104	0.000132011	0.000142544	4587
4588	0.000122683	0.000110657	0.000242327	0.000133938	0.00014419	0.00012068	0.00010883	0.000246746	0.000133938	0.000154704	4588
4589	0.000126715	0.000114301	0.000250225	0.000138031	0.000156632	0.000124497	0.000112276	0.000254517	0.000138031	0.00016851	4589
4590	0.00013385	0.000120891	0.000262781	0.000145056	0.000164436	0.000131188	0.000118445	0.000266763	0.000145056	0.000177305	4590
4591	0.000149362	0.00013463	0.000295932	0.000162504	0.000217964	0.000146486	0.000132079	0.00029977	0.000162504	0.000224287	4591
4592	0.000161508	0.000144636	0.000329368	0.000180112	0.000220873	0.000159821	0.000143487	0.000333593	0.000180112	0.000227617	4592
4593	0.000175673	0.000157238	0.000359086	0.000196143	0.000223529	0.000173923	0.000156076	0.000363796	0.000196143	0.000230522	4593
4594	0.00019148	0.00017128	0.000392456	0.000213997	0.000225058	0.00018964	0.000170085	0.000397682	0.000213997	0.000232191	4594
4595	0.000206975	0.00018498	0.000425812	0.00023166	0.000225395	0.000205104	0.000183813	0.000431619	0.00023166	0.000232541	4595
4596	0.000220803	0.000197129	0.000456344	0.000248206	0.000217749	0.000219234	0.000196311	0.000463116	0.000248206	0.000226077	4596
4597	0.000234768	0.000209495	0.000486212	0.000264545	0.00021661	0.000233363	0.000208887	0.000493765	0.000264545	0.000224823	4597
4598	0.000248292	0.00022146	0.000515246	0.00028081	0.000211656	0.000247239	0.000221243	0.000523817	0.00028081	0.000219372	4598
4599	0.000262957	0.000234323	0.000547842	0.000298199	0.000211084	0.00026215	0.000234405	0.000557335	0.000298199	0.000216714	4599
4600	0.00027455	0.000244566	0.000572871	0.000311421	0.000202427	0.000273722	0.00024467	0.000582802	0.000311421	0.000207144	4600
4601	0.000284759	0.000253649	0.000594274	0.000322853	0.000196507	0.000283831	0.000253692	0.000604483	0.000322853	0.000200636	4601
4602	0.000279392	0.000249188	0.000579893	0.000313939	0.000193351	0.000277294	0.000248061	0.000588313	0.000313939	0.000197205	4602
4603	0.000267841	0.000239367	0.000551135	0.000295927	0.000176249	0.000263698	0.000236191	0.00055634	0.000295927	0.000182386	4603
4604	0.000250447	0.000224185	0.000511729	0.000273326	0.000159899	0.000245149	0.000219815	0.000514681	0.000273326	0.000168179	4604
4605	0.000231382	0.000207622	0.000467775	0.0002498	0.000146073	0.000225474	0.000202526	0.000469618	0.0002498	0.000154901	4605
4606	0.000210085	0.000189414	0.000415745	0.000222692	0.000135712	0.000203397	0.000183284	0.000417381	0.000222692	0.000145286	4606
4607	0.000180717	0.000162986	0.00035713	0.00019166	0.000129757	0.000175072	0.000157785	0.000358988	0.00019166	0.000138699	4607
4608	0.000157391	0.000141917	0.000311349	0.000168361	0.000125984	0.000153158	0.000138024	0.000314167	0.000168361	0.000134524	4608
4609	0.000138803	0.000125138	0.000274766	0.000150278	0.000122175	0.000135912	0.000122497	0.00027864	0.000150278	0.000130266	4609
4610	0.000127252	0.000114799	0.000251156	0.00013842	0.000125329	0.000124939	0.000112682	0.000255342	0.00013842	0.000133785	4610
4611	0.000121142	0.000109316	0.000238807	0.000131958	0.000133294	0.000119047	0.000107393	0.00024304	0.000131958	0.000142631	4611
4612	0.000122183	0.000110212	0.000241282	0.000133358	0.000144344	0.000120175	0.000108379	0.000245675	0.000133358	0.000154877	4612
4613	0.00012623	0.000113863	0.000249267	0.000137473	0.000156626	0.000124009	0.000111834	0.000253535	0.000137473	0.000168504	4613
4614	0.000133121	0.000120239	0.00026129	0.000144213	0.000164337	0.000130454	0.000117786	0.000265234	0.000144213	0.000177196	4614
4615	0.000147172	0.000132388	0.000294258	0.00016149	0.000217947	0.000144785	0.000130379	0.000298055	0.00016149	0.000224271	4615
4616	0.000161646	0.000144753	0.000329724	0.00018028	0.000220867	0.000159962	0.000143607	0.000333958	0.00018028	0.000227613	4616
4617	0.000176515	0.000157974	0.000360988	0.000197136	0.000223507	0.000174776	0.000156827	0.000365747	0.000197136	0.0002305	4617
4618	0.000191942	0.000171685	0.000393478	0.000214539	0.000225129	0.000190107	0.000170498	0.000398729	0.000214539	0.000232274	4618
4619	0.000206183	0.000184274	0.00042416	0.000230741	0.000225519	0.000204305	0.000183098	0.000429926	0.000230741	0.000232682	4619
4620	0.000219841	0.000196286	0.000454198	0.000247075	0.000217994	0.000218261	0.000195453	0.000460915	0.000247075	0.000226352	4620
4621	0.000233562	0.000208434	0.000483563	0.000263131	0.000216952	0.000232143	0.000207808	0.00049105	0.000263131	0.000225207	4621
4622	0.000246119	0.00021955	0.000510454	0.000278261	0.000211929	0.000245041	0.0002193	0.000518904	0.000278261	0.000219683	4622
4623	0.000260476	0.000232136	0.000542436	0.000295295	0.000211042	0.000259643	0.000232182	0.000551794	0.000295295	0.000216678	4623
4624	0.000271755	0.000242103	0.000566766	0.000308148	0.000202111	0.000270895	0.000242166	0.000576543	0.000308148	0.000206805	4624
4625	0.000280453	0.00024985	0.000584926	0.000317818	0.000196213	0.000279479	0.000249832	0.0005949	0.000317818	0.000200323	4625
4626	0.000274944	0.000245253	0.000570346	0.000308749	0.000193206	0.000272801	0.000244065	0.000578526	0.000308749	0.000197061	4626
4627	0.000263006	0.000235087	0.000540771	0.000290286	0.000176177	0.000258814	0.000231847	0.000545716	0.000290286	0.000182322	4627

4628	0.000246004	0.000220255	0.000502191	0.000268142	0.000159849	0.000240661	0.000215824	0.000504904	0.000268142	0.000168141	**4628**
4629	0.000228906	0.000205744	0.000459352	0.000245361	0.000146124	0.00022246	0.00020004	0.000460983	0.000245361	0.000154972	**4629**
4630	0.000206542	0.000186279	0.000408145	0.000218558	0.000135606	0.000199818	0.000180101	0.000409591	0.000218558	0.000145182	**4630**
4631	0.000178116	0.000160678	0.000351617	0.000188632	0.00012952	0.000172446	0.000155444	0.000353337	0.000188632	0.000138449	**4631**
4632	0.000154843	0.000139659	0.000305909	0.00016539	0.000125623	0.000150584	0.000135732	0.00030859	0.00016539	0.000134136	**4632**
4633	0.000138803	0.000125138	0.000274766	0.000150278	0.000122175	0.000135912	0.000122497	0.00027864	0.000150278	0.000130266	**4633**
4634	0.000127252	0.000114799	0.000251156	0.00013842	0.000125329	0.000124939	0.000112682	0.000255342	0.00013842	0.000133785	**4634**
4635	0.000121142	0.000109316	0.000238807	0.000131958	0.000133294	0.000119047	0.000107393	0.00024304	0.000131958	0.000142631	**4635**
4636	0.000122183	0.000110212	0.000241282	0.000133358	0.000144344	0.000120175	0.000108379	0.000245675	0.000133358	0.000154877	**4636**
4637	0.00012623	0.000113863	0.000249267	0.000137473	0.000156626	0.000124009	0.000111834	0.000253535	0.000137473	0.000168504	**4637**
4638	0.000133121	0.000120239	0.00026129	0.000144213	0.000164337	0.000130454	0.000117786	0.000265234	0.000144213	0.000177196	**4638**
4639	0.000147172	0.000132388	0.000294258	0.00016149	0.000217947	0.000144785	0.000130379	0.000298055	0.00016149	0.000224271	**4639**
4640	0.000161646	0.000144753	0.000329724	0.00018028	0.000220867	0.000159962	0.000143607	0.000333958	0.00018028	0.000227613	**4640**
4641	0.000176515	0.000157974	0.000360988	0.000197136	0.000223507	0.000174776	0.000156827	0.000365747	0.000197136	0.0002305	**4641**
4642	0.000191942	0.000171685	0.000393478	0.000214539	0.000225129	0.000190107	0.000170498	0.000398729	0.000214539	0.000232274	**4642**
4643	0.000206183	0.000184274	0.00042416	0.000230741	0.000225519	0.000204305	0.000183098	0.000429926	0.000230741	0.000232682	**4643**
4644	0.000219841	0.000196286	0.000454198	0.000247075	0.000217994	0.000218261	0.000195453	0.000460915	0.000247075	0.000226352	**4644**
4645	0.000233562	0.000208434	0.000483563	0.000263131	0.000216952	0.000232143	0.000207808	0.00049105	0.000263131	0.000225207	**4645**
4646	0.000246119	0.00021955	0.000510454	0.000278261	0.000211929	0.000245041	0.0002193	0.000518904	0.000278261	0.000219683	**4646**
4647	0.000260476	0.000232136	0.000542436	0.000295295	0.000211042	0.000259643	0.000232182	0.000551794	0.000295295	0.000216678	**4647**
4648	0.000271755	0.000242103	0.000566766	0.000308148	0.000202111	0.000270895	0.000242166	0.000576543	0.000308148	0.000206805	**4648**
4649	0.000280453	0.00024985	0.000584926	0.000317818	0.000196213	0.000279479	0.000249832	0.0005949	0.000317818	0.000200323	**4649**
4650	0.000274944	0.000245253	0.000570346	0.000308749	0.000193206	0.000272801	0.000244065	0.000578526	0.000308749	0.000197061	**4650**
4651	0.000263006	0.000235087	0.000540771	0.000290286	0.000176177	0.000258814	0.000231847	0.000545716	0.000290286	0.000182322	**4651**
4652	0.000246004	0.000220255	0.000502191	0.000268142	0.000159849	0.000240661	0.000215824	0.000504904	0.000268142	0.000168141	**4652**
4653	0.000228906	0.000205744	0.000459352	0.000245361	0.000146124	0.00022246	0.00020004	0.000460983	0.000245361	0.000154972	**4653**
4654	0.000206542	0.000186279	0.000408145	0.000218558	0.000135606	0.000199818	0.000180101	0.000409591	0.000218558	0.000145182	**4654**
4655	0.000178116	0.000160678	0.000351617	0.000188632	0.00012952	0.000172446	0.000155444	0.000353337	0.000188632	0.000138449	**4655**
4656	0.000154843	0.000139659	0.000305909	0.00016539	0.000125623	0.000150584	0.000135732	0.00030859	0.00016539	0.000134136	**4656**
4657	0.000138803	0.000125138	0.000274766	0.000150278	0.000122175	0.000135912	0.000122497	0.00027864	0.000150278	0.000130266	**4657**
4658	0.000127252	0.000114799	0.000251156	0.00013842	0.000125329	0.000124939	0.000112682	0.000255342	0.00013842	0.000133785	**4658**
4659	0.000121142	0.000109316	0.000238807	0.000131958	0.000133294	0.000119047	0.000107393	0.00024304	0.000131958	0.000142631	**4659**
4660	0.000122183	0.000110212	0.000241282	0.000133358	0.000144344	0.000120175	0.000108379	0.000245675	0.000133358	0.000154877	**4660**
4661	0.00012623	0.000113863	0.000249267	0.000137473	0.000156626	0.000124009	0.000111834	0.000253535	0.000137473	0.000168504	**4661**
4662	0.000133121	0.000120239	0.00026129	0.000144213	0.000164337	0.000130454	0.000117786	0.000265234	0.000144213	0.000177196	**4662**
4663	0.000147172	0.000132388	0.000294258	0.00016149	0.000217947	0.000144785	0.000130379	0.000298055	0.00016149	0.000224271	**4663**
4664	0.000161646	0.000144753	0.000329724	0.00018028	0.000220867	0.000159962	0.000143607	0.000333958	0.00018028	0.000227613	**4664**
4665	0.000176515	0.000157974	0.000360988	0.000197136	0.000223507	0.000174776	0.000156827	0.000365747	0.000197136	0.0002305	**4665**
4666	0.000191942	0.000171685	0.000393478	0.000214539	0.000225129	0.000190107	0.000170498	0.000398729	0.000214539	0.000232274	**4666**
4667	0.000206183	0.000184274	0.00042416	0.000230741	0.000225519	0.000204305	0.000183098	0.000429926	0.000230741	0.000232682	**4667**
4668	0.000219841	0.000196286	0.000454198	0.000247075	0.000217994	0.000218261	0.000195453	0.000460915	0.000247075	0.000226352	**4668**
4669	0.000233562	0.000208434	0.000483563	0.000263131	0.000216952	0.000232143	0.000207808	0.00049105	0.000263131	0.000225207	**4669**
4670	0.000246119	0.00021955	0.000510454	0.000278261	0.000211929	0.000245041	0.0002193	0.000518904	0.000278261	0.000219683	**4670**
4671	0.000260476	0.000232136	0.000542436	0.000295295	0.000211042	0.000259643	0.000232182	0.000551794	0.000295295	0.000216678	**4671**
4672	0.000271755	0.000242103	0.000566766	0.000308148	0.000202111	0.000270895	0.000242166	0.000576543	0.000308148	0.000206805	**4672**
4673	0.000280453	0.00024985	0.000584926	0.000317818	0.000196213	0.000279479	0.000249832	0.0005949	0.000317818	0.000200323	**4673**
4674	0.000274944	0.000245253	0.000570346	0.000308749	0.000193206	0.000272801	0.000244065	0.000578526	0.000308749	0.000197061	**4674**
4675	0.000263006	0.000235087	0.000540771	0.000290286	0.000176177	0.000258814	0.000231847	0.000545716	0.000290286	0.000182322	**4675**
4676	0.000246004	0.000220255	0.000502191	0.000268142	0.000159849	0.000240661	0.000215824	0.000504904	0.000268142	0.000168141	**4676**
4677	0.000228906	0.000205744	0.000459352	0.000245361	0.000146124	0.00022246	0.00020004	0.000460983	0.000245361	0.000154972	**4677**
4678	0.000206542	0.000186279	0.000408145	0.000218558	0.000135606	0.000199818	0.000180101	0.000409591	0.000218558	0.000145182	**4678**
4679	0.000178116	0.000160678	0.000351617	0.000188632	0.00012952	0.000172446	0.000155444	0.000353337	0.000188632	0.000138449	**4679**
4680	0.000154843	0.000139659	0.000305909	0.00016539	0.000125623	0.000150584	0.000135732	0.00030859	0.00016539	0.000134136	**4680**
4681	0.000138803	0.000125138	0.000274766	0.000150278	0.000122175	0.000135912	0.000122497	0.00027864	0.000150278	0.000130266	**4681**
4682	0.000127252	0.000114799	0.000251156	0.00013842	0.000125329	0.000124939	0.000112682	0.000255342	0.00013842	0.000133785	**4682**
4683	0.000121142	0.000109316	0.000238807	0.000131958	0.000133294	0.000119047	0.000107393	0.00024304	0.000131958	0.000142631	**4683**
4684	0.000122183	0.000110212	0.000241282	0.000133358	0.000144344	0.000120175	0.000108379	0.000245675	0.000133358	0.000154877	**4684**
4685	0.00012623	0.000113863	0.000249267	0.000137473	0.000156626	0.000124009	0.000111834	0.000253535	0.000137473	0.000168504	**4685**
4686	0.000133121	0.000120239	0.00026129	0.000144213	0.000164337	0.000130454	0.000117786	0.000265234	0.000144213	0.000177196	**4686**
4687	0.000147172	0.000132388	0.000294258	0.00016149	0.000217947	0.000144785	0.000130379	0.000298055	0.00016149	0.000224271	**4687**
4688	0.000161646	0.000144753	0.000329724	0.00018028	0.000220867	0.000159962	0.000143607	0.000333958	0.00018028	0.000227613	**4688**
4689	0.000176515	0.000157974	0.000360988	0.000197136	0.000223507	0.000174776	0.000156827	0.000365747	0.000197136	0.0002305	**4689**
4690	0.000191942	0.000171685	0.000393478	0.000214539	0.000225129	0.000190107	0.000170498	0.000398729	0.000214539	0.000232274	**4690**
4691	0.000206183	0.000184274	0.00042416	0.000230741	0.000225519	0.000204305	0.000183098	0.000429926	0.000230741	0.000232682	**4691**
4692	0.000219841	0.000196286	0.000454198	0.000247075	0.000217994	0.000218261	0.000195453	0.000460915	0.000247075	0.000226352	**4692**
4693	0.000233562	0.000208434	0.000483563	0.000263131	0.000216952	0.000232143	0.000207808	0.00049105	0.000263131	0.000225207	**4693**
4694	0.000246119	0.00021955	0.000510454	0.000278261	0.000211929	0.000245041	0.0002193	0.000518904	0.000278261	0.000219683	**4694**
4695	0.000260476	0.000232136	0.000542436	0.000295295	0.000211042	0.000259643	0.000232182	0.000551794	0.000295295	0.000216678	**4695**
4696	0.000271755	0.000242103	0.000566766	0.000308148	0.000202111	0.000270895	0.000242166	0.000576543	0.000308148	0.000206805	**4696**
4697	0.000280453	0.00024985	0.000584926	0.000317818	0.000196213	0.000279479	0.000249832	0.0005949	0.000317818	0.000200323	**4697**
4698	0.000274944	0.000245253	0.000570346	0.000308749	0.000193206	0.000272801	0.000244065	0.000578526	0.000308749	0.000197061	**4698**
4699	0.000263006	0.000235087	0.000540771	0.000290286	0.000176177	0.000258814	0.000231847	0.000545716	0.000290286	0.000182322	**4699**
4700	0.000246004	0.000220255	0.000502191	0.000268142	0.000159849	0.000240661	0.000215824	0.000504904	0.000268142	0.000168141	**4700**
4701	0.000228906	0.000205744	0.000459352	0.000245361	0.000146124	0.00022246	0.00020004	0.000460983	0.000245361	0.000154972	**4701**
4702	0.000206542	0.000186279	0.000408145	0.000218558	0.000135606	0.000199818	0.000180101	0.000409591	0.000218558	0.000145182	**4702**
4703	0.000178116	0.000160678	0.000351617	0.000188632	0.00012952	0.000172446	0.000155444	0.000353337	0.000188632	0.000138449	**4703**

4704	0.000154843	0.000139659	0.000305909	0.00016539	0.000125623	0.000150584	0.000135732	0.00030859	0.00016539	0.000134136	4704
4705	0.000138803	0.000125138	0.000274766	0.000150278	0.000122175	0.000135912	0.000122497	0.00027864	0.000150278	0.000130266	4705
4706	0.000127252	0.000114799	0.000251156	0.00013842	0.000125329	0.000124939	0.000112682	0.000255342	0.00013842	0.000133785	4706
4707	0.000121142	0.000109316	0.000238807	0.000131958	0.000133294	0.000119047	0.000107393	0.00024304	0.000131958	0.000142631	4707
4708	0.000122183	0.000110212	0.000241282	0.000133358	0.000144344	0.000120175	0.000108379	0.000245675	0.000133358	0.000154877	4708
4709	0.00012623	0.000113863	0.000249267	0.000137473	0.000156626	0.000124009	0.000111834	0.000253535	0.000137473	0.000168504	4709
4710	0.000133121	0.000120239	0.00026129	0.000144213	0.000164337	0.000130454	0.000117786	0.000265234	0.000144213	0.000177196	4710
4711	0.000147172	0.000132388	0.000294258	0.00016149	0.000217947	0.000144785	0.000130379	0.000298055	0.00016149	0.000224271	4711
4712	0.000161646	0.000144753	0.000329724	0.00018028	0.000220867	0.000159962	0.000143607	0.000333958	0.00018028	0.000227613	4712
4713	0.000176515	0.000157974	0.000360988	0.000197136	0.000223507	0.000174776	0.000156827	0.000365747	0.000197136	0.0002305	4713
4714	0.000191942	0.000171685	0.000393478	0.000214539	0.000225129	0.000190107	0.000170498	0.000398729	0.000214539	0.000232274	4714
4715	0.000206183	0.000184274	0.00042416	0.000230741	0.000225519	0.000204305	0.000183098	0.000429926	0.000230741	0.000232682	4715
4716	0.000219841	0.000196286	0.000454198	0.000247075	0.000217994	0.000218261	0.000195453	0.000460915	0.000247075	0.000226352	4716
4717	0.000233562	0.000208434	0.000483563	0.000263131	0.000216952	0.000232143	0.000207808	0.00049105	0.000263131	0.000225207	4717
4718	0.000246119	0.00021955	0.000510454	0.000278261	0.000211929	0.000245041	0.0002193	0.000518904	0.000278261	0.000219683	4718
4719	0.000260476	0.000232136	0.000542436	0.000295295	0.000211042	0.000259643	0.000232182	0.000551794	0.000295295	0.000216678	4719
4720	0.000271755	0.000242103	0.000566766	0.000308148	0.000202111	0.000270895	0.000242166	0.000576543	0.000308148	0.000206805	4720
4721	0.000280453	0.00024985	0.000584926	0.000317818	0.000196213	0.000279479	0.000249832	0.0005949	0.000317818	0.000200323	4721
4722	0.000274944	0.000245253	0.000570346	0.000308749	0.000193206	0.000272801	0.000244065	0.000578526	0.000308749	0.000197061	4722
4723	0.000263006	0.000235087	0.000540771	0.000290286	0.000176177	0.000258814	0.000231847	0.000545716	0.000290286	0.000182322	4723
4724	0.000246004	0.000220255	0.000502191	0.000268142	0.000159849	0.000240661	0.000215824	0.000504904	0.000268142	0.000168141	4724
4725	0.000228906	0.000205744	0.000459352	0.000245361	0.000146124	0.00022246	0.00020004	0.000460983	0.000245361	0.000154972	4725
4726	0.000206542	0.000186279	0.000408145	0.000218558	0.000135606	0.000199818	0.000180101	0.000409591	0.000218558	0.000145182	4726
4727	0.000178116	0.000160678	0.000351617	0.000188632	0.00012952	0.000172446	0.000155444	0.000353337	0.000188632	0.000138449	4727
4728	0.000154843	0.000139659	0.000305909	0.00016539	0.000125623	0.000150584	0.000135732	0.00030859	0.00016539	0.000134136	4728
4729	0.000139409	0.000125669	0.000276112	0.00015099	0.00012158	0.000136525	0.000123038	0.00028002	0.00015099	0.000129608	4729
4730	0.00012739	0.00011492	0.000251459	0.000138582	0.000125251	0.000125079	0.000112806	0.000255652	0.000138582	0.000133698	4730
4731	0.000121191	0.000109363	0.000238869	0.000132011	0.000133217	0.000119096	0.00010744	0.000243104	0.000132011	0.000142544	4731
4732	0.000122683	0.000110657	0.000242327	0.000133938	0.00014419	0.00012068	0.00010883	0.000246746	0.000133938	0.000154704	4732
4733	0.000126715	0.000114301	0.000250225	0.000138031	0.000156632	0.000124497	0.000112276	0.000254517	0.000138031	0.00016851	4733
4734	0.00013385	0.000120891	0.000262781	0.000145056	0.000164436	0.000131188	0.000118445	0.000266763	0.000145056	0.000177305	4734
4735	0.000149362	0.00013463	0.000295932	0.000162504	0.000217964	0.000146486	0.000132079	0.00029977	0.000162504	0.000224287	4735
4736	0.000161508	0.000144636	0.000329368	0.000180112	0.000220873	0.000159821	0.000143487	0.000333593	0.000180112	0.000227617	4736
4737	0.000175673	0.000157238	0.000359086	0.000196143	0.000223529	0.000173923	0.000156076	0.000363796	0.000196143	0.000230522	4737
4738	0.00019148	0.00017128	0.000392456	0.000213997	0.000225058	0.00018964	0.000170085	0.000397682	0.000213997	0.000232191	4738
4739	0.000206975	0.00018498	0.000425812	0.00023166	0.000225395	0.000205104	0.000183813	0.000431619	0.00023166	0.000232541	4739
4740	0.000220803	0.000197129	0.000456344	0.000248206	0.000217749	0.000219234	0.000196311	0.000463116	0.000248206	0.000226077	4740
4741	0.000234768	0.000209495	0.000486212	0.000264545	0.00021661	0.000233363	0.000208887	0.000493765	0.000264545	0.000224823	4741
4742	0.000248292	0.00022146	0.000515246	0.00028081	0.000211656	0.000247239	0.000221243	0.000523817	0.00028081	0.000219372	4742
4743	0.000262957	0.000234323	0.000547842	0.000298199	0.000211084	0.00026215	0.000234405	0.000557335	0.000298199	0.000216714	4743
4744	0.00027455	0.000244566	0.000572871	0.000311421	0.000202427	0.000273722	0.00024467	0.000582802	0.000311421	0.000207144	4744
4745	0.000284759	0.000253649	0.000594274	0.000322853	0.000196507	0.000283831	0.000253692	0.000604483	0.000322853	0.000200636	4745
4746	0.000279392	0.000249188	0.000579893	0.000313939	0.000193351	0.000277294	0.000248061	0.000588313	0.000313939	0.000197205	4746
4747	0.000267841	0.000239367	0.000551135	0.000295927	0.000176249	0.000263698	0.000236191	0.00055634	0.000295927	0.000182386	4747
4748	0.000250447	0.000224185	0.000511729	0.000273326	0.000159899	0.000245149	0.000219815	0.000514681	0.000273326	0.000168179	4748
4749	0.000231382	0.000207622	0.000467775	0.0002498	0.000146073	0.000225474	0.000202526	0.000469618	0.0002498	0.000154901	4749
4750	0.000210085	0.000189414	0.000415745	0.000222692	0.000135712	0.000203397	0.000183284	0.000417381	0.000222692	0.000145286	4750
4751	0.000180717	0.000162986	0.00035713	0.00019166	0.000129757	0.000175072	0.000157785	0.000358988	0.00019166	0.000138699	4751
4752	0.000157391	0.000141917	0.000311349	0.000168361	0.000125984	0.000153158	0.000138024	0.000314167	0.000168361	0.000134524	4752
4753	0.000139409	0.000125669	0.000276112	0.00015099	0.00012158	0.000136525	0.000123038	0.00028002	0.00015099	0.000129608	4753
4754	0.00012739	0.00011492	0.000251459	0.000138582	0.000125251	0.000125079	0.000112806	0.000255652	0.000138582	0.000133698	4754
4755	0.000121191	0.000109363	0.000238869	0.000132011	0.000133217	0.000119096	0.00010744	0.000243104	0.000132011	0.000142544	4755
4756	0.000122683	0.000110657	0.000242327	0.000133938	0.00014419	0.00012068	0.00010883	0.000246746	0.000133938	0.000154704	4756
4757	0.000126715	0.000114301	0.000250225	0.000138031	0.000156632	0.000124497	0.000112276	0.000254517	0.000138031	0.00016851	4757
4758	0.00013385	0.000120891	0.000262781	0.000145056	0.000164436	0.000131188	0.000118445	0.000266763	0.000145056	0.000177305	4758
4759	0.000149362	0.00013463	0.000295932	0.000162504	0.000217964	0.000146486	0.000132079	0.00029977	0.000162504	0.000224287	4759
4760	0.000161508	0.000144636	0.000329368	0.000180112	0.000220873	0.000159821	0.000143487	0.000333593	0.000180112	0.000227617	4760
4761	0.000175673	0.000157238	0.000359086	0.000196143	0.000223529	0.000173923	0.000156076	0.000363796	0.000196143	0.000230522	4761
4762	0.00019148	0.00017128	0.000392456	0.000213997	0.000225058	0.00018964	0.000170085	0.000397682	0.000213997	0.000232191	4762
4763	0.000206975	0.00018498	0.000425812	0.00023166	0.000225395	0.000205104	0.000183813	0.000431619	0.00023166	0.000232541	4763
4764	0.000220803	0.000197129	0.000456344	0.000248206	0.000217749	0.000219234	0.000196311	0.000463116	0.000248206	0.000226077	4764
4765	0.000234768	0.000209495	0.000486212	0.000264545	0.00021661	0.000233363	0.000208887	0.000493765	0.000264545	0.000224823	4765
4766	0.000248292	0.00022146	0.000515246	0.00028081	0.000211656	0.000247239	0.000221243	0.000523817	0.00028081	0.000219372	4766
4767	0.000262957	0.000234323	0.000547842	0.000298199	0.000211084	0.00026215	0.000234405	0.000557335	0.000298199	0.000216714	4767
4768	0.00027455	0.000244566	0.000572871	0.000311421	0.000202427	0.000273722	0.00024467	0.000582802	0.000311421	0.000207144	4768
4769	0.000284759	0.000253649	0.000594274	0.000322853	0.000196507	0.000283831	0.000253692	0.000604483	0.000322853	0.000200636	4769
4770	0.000279392	0.000249188	0.000579893	0.000313939	0.000193351	0.000277294	0.000248061	0.000588313	0.000313939	0.000197205	4770
4771	0.000267841	0.000239367	0.000551135	0.000295927	0.000176249	0.000263698	0.000236191	0.00055634	0.000295927	0.000182386	4771
4772	0.000250447	0.000224185	0.000511729	0.000273326	0.000159899	0.000245149	0.000219815	0.000514681	0.000273326	0.000168179	4772
4773	0.000231382	0.000207622	0.000467775	0.0002498	0.000146073	0.000225474	0.000202526	0.000469618	0.0002498	0.000154901	4773
4774	0.000210085	0.000189414	0.000415745	0.000222692	0.000135712	0.000203397	0.000183284	0.000417381	0.000222692	0.000145286	4774
4775	0.000180717	0.000162986	0.00035713	0.00019166	0.000129757	0.000175072	0.000157785	0.000358988	0.00019166	0.000138699	4775
4776	0.000157391	0.000141917	0.000311349	0.000168361	0.000125984	0.000153158	0.000138024	0.000314167	0.000168361	0.000134524	4776
4777	0.000138803	0.000125138	0.000274766	0.000150278	0.000122175	0.000135912	0.000122497	0.00027864	0.000150278	0.000130266	4777
4778	0.000127252	0.000114799	0.000251156	0.00013842	0.000125329	0.000124939	0.000112682	0.000255342	0.00013842	0.000133785	4778
4779	0.000121142	0.000109316	0.000238807	0.000131958	0.000133294	0.000119047	0.000107393	0.00024304	0.000131958	0.000142631	4779

4780	0.000122183	0.000110212	0.000241282	0.000133358	0.000144344	0.000120175	0.000108379	0.000245675	0.000133358	0.000154877	4780
4781	0.00012623	0.000113863	0.000249267	0.000137473	0.000156626	0.000124009	0.000111834	0.000253535	0.000137473	0.000168504	4781
4782	0.000133121	0.000120239	0.00026129	0.000144213	0.000164337	0.000130454	0.000117786	0.000265234	0.000144213	0.000177196	4782
4783	0.000147172	0.000132388	0.000294258	0.00016149	0.000217947	0.000144785	0.000130379	0.000298055	0.00016149	0.000224271	4783
4784	0.000161646	0.000144753	0.000329724	0.00018028	0.000220867	0.000159962	0.000143607	0.000333958	0.00018028	0.000227613	4784
4785	0.000176515	0.000157974	0.000360988	0.000197136	0.000223507	0.000174776	0.000156827	0.000365747	0.000197136	0.0002305	4785
4786	0.000191942	0.000171685	0.000393478	0.000214539	0.000225129	0.000190107	0.000170498	0.000398729	0.000214539	0.000232274	4786
4787	0.000206183	0.000184274	0.00042416	0.000230741	0.000225519	0.000204305	0.000183098	0.000429926	0.000230741	0.000232682	4787
4788	0.000219841	0.000196286	0.000454198	0.000247075	0.000217994	0.000218261	0.000195453	0.000460915	0.000247075	0.000226352	4788
4789	0.000233562	0.000208434	0.000483563	0.000263131	0.000216952	0.000232143	0.000207808	0.00049105	0.000263131	0.000225207	4789
4790	0.000246119	0.00021955	0.000510454	0.000278261	0.000211929	0.000245041	0.0002193	0.000518904	0.000278261	0.000219683	4790
4791	0.000260476	0.000232136	0.000542436	0.000295295	0.000211042	0.000259643	0.000232182	0.000551794	0.000295295	0.000216678	4791
4792	0.000271755	0.000242103	0.000566766	0.000308148	0.000202111	0.000270895	0.000242166	0.000576543	0.000308148	0.000206805	4792
4793	0.000280453	0.00024985	0.000584926	0.000317818	0.000196213	0.000279479	0.000249832	0.0005949	0.000317818	0.000200323	4793
4794	0.000274944	0.000245253	0.000570346	0.000308749	0.000193206	0.000272801	0.000244065	0.000578526	0.000308749	0.000197061	4794
4795	0.000263006	0.000235087	0.000540771	0.000290286	0.000176177	0.000258814	0.000231847	0.000545716	0.000290286	0.000182322	4795
4796	0.000246004	0.000220255	0.000502191	0.000268142	0.000159849	0.000240661	0.000215824	0.000504904	0.000268142	0.000168141	4796
4797	0.000228906	0.000205744	0.000459352	0.000245361	0.000146124	0.00022246	0.00020004	0.000460983	0.000245361	0.000154972	4797
4798	0.000206542	0.000186279	0.000408145	0.000218558	0.000135606	0.000199818	0.000180101	0.000409591	0.000218558	0.000145182	4798
4799	0.000178116	0.000160678	0.000351617	0.000188632	0.00012952	0.000172446	0.000155444	0.000353337	0.000188632	0.000138449	4799
4800	0.000154843	0.000139659	0.000305909	0.00016539	0.000125623	0.000150584	0.000135732	0.00030859	0.00016539	0.000134136	4800
4801	0.000138803	0.000125138	0.000274766	0.000150278	0.000122175	0.000135912	0.000122497	0.00027864	0.000150278	0.000130266	4801
4802	0.000127252	0.000114799	0.000251156	0.00013842	0.000125329	0.000124939	0.000112682	0.000255342	0.00013842	0.000133785	4802
4803	0.000121142	0.000109316	0.000238807	0.000131958	0.000133294	0.000119047	0.000107393	0.00024304	0.000131958	0.000142631	4803
4804	0.000122183	0.000110212	0.000241282	0.000133358	0.000144344	0.000120175	0.000108379	0.000245675	0.000133358	0.000154877	4804
4805	0.00012623	0.000113863	0.000249267	0.000137473	0.000156626	0.000124009	0.000111834	0.000253535	0.000137473	0.000168504	4805
4806	0.000133121	0.000120239	0.00026129	0.000144213	0.000164337	0.000130454	0.000117786	0.000265234	0.000144213	0.000177196	4806
4807	0.000147172	0.000132388	0.000294258	0.00016149	0.000217947	0.000144785	0.000130379	0.000298055	0.00016149	0.000224271	4807
4808	0.000161646	0.000144753	0.000329724	0.00018028	0.000220867	0.000159962	0.000143607	0.000333958	0.00018028	0.000227613	4808
4809	0.000176515	0.000157974	0.000360988	0.000197136	0.000223507	0.000174776	0.000156827	0.000365747	0.000197136	0.0002305	4809
4810	0.000191942	0.000171685	0.000393478	0.000214539	0.000225129	0.000190107	0.000170498	0.000398729	0.000214539	0.000232274	4810
4811	0.000206183	0.000184274	0.00042416	0.000230741	0.000225519	0.000204305	0.000183098	0.000429926	0.000230741	0.000232682	4811
4812	0.000219841	0.000196286	0.000454198	0.000247075	0.000217994	0.000218261	0.000195453	0.000460915	0.000247075	0.000226352	4812
4813	0.000233562	0.000208434	0.000483563	0.000263131	0.000216952	0.000232143	0.000207808	0.00049105	0.000263131	0.000225207	4813
4814	0.000246119	0.00021955	0.000510454	0.000278261	0.000211929	0.000245041	0.0002193	0.000518904	0.000278261	0.000219683	4814
4815	0.000260476	0.000232136	0.000542436	0.000295295	0.000211042	0.000259643	0.000232182	0.000551794	0.000295295	0.000216678	4815
4816	0.000271755	0.000242103	0.000566766	0.000308148	0.000202111	0.000270895	0.000242166	0.000576543	0.000308148	0.000206805	4816
4817	0.000280453	0.00024985	0.000584926	0.000317818	0.000196213	0.000279479	0.000249832	0.0005949	0.000317818	0.000200323	4817
4818	0.000274944	0.000245253	0.000570346	0.000308749	0.000193206	0.000272801	0.000244065	0.000578526	0.000308749	0.000197061	4818
4819	0.000263006	0.000235087	0.000540771	0.000290286	0.000176177	0.000258814	0.000231847	0.000545716	0.000290286	0.000182322	4819
4820	0.000246004	0.000220255	0.000502191	0.000268142	0.000159849	0.000240661	0.000215824	0.000504904	0.000268142	0.000168141	4820
4821	0.000228906	0.000205744	0.000459352	0.000245361	0.000146124	0.00022246	0.00020004	0.000460983	0.000245361	0.000154972	4821
4822	0.000206542	0.000186279	0.000408145	0.000218558	0.000135606	0.000199818	0.000180101	0.000409591	0.000218558	0.000145182	4822
4823	0.000178116	0.000160678	0.000351617	0.000188632	0.00012952	0.000172446	0.000155444	0.000353337	0.000188632	0.000138449	4823
4824	0.000154843	0.000139659	0.000305909	0.00016539	0.000125623	0.000150584	0.000135732	0.00030859	0.00016539	0.000134136	4824
4825	0.000138803	0.000125138	0.000274766	0.000150278	0.000122175	0.000135912	0.000122497	0.00027864	0.000150278	0.000130266	4825
4826	0.000127252	0.000114799	0.000251156	0.00013842	0.000125329	0.000124939	0.000112682	0.000255342	0.00013842	0.000133785	4826
4827	0.000121142	0.000109316	0.000238807	0.000131958	0.000133294	0.000119047	0.000107393	0.00024304	0.000131958	0.000142631	4827
4828	0.000122183	0.000110212	0.000241282	0.000133358	0.000144344	0.000120175	0.000108379	0.000245675	0.000133358	0.000154877	4828
4829	0.00012623	0.000113863	0.000249267	0.000137473	0.000156626	0.000124009	0.000111834	0.000253535	0.000137473	0.000168504	4829
4830	0.000133121	0.000120239	0.00026129	0.000144213	0.000164337	0.000130454	0.000117786	0.000265234	0.000144213	0.000177196	4830
4831	0.000147172	0.000132388	0.000294258	0.00016149	0.000217947	0.000144785	0.000130379	0.000298055	0.00016149	0.000224271	4831
4832	0.000161646	0.000144753	0.000329724	0.00018028	0.000220867	0.000159962	0.000143607	0.000333958	0.00018028	0.000227613	4832
4833	0.000176515	0.000157974	0.000360988	0.000197136	0.000223507	0.000174776	0.000156827	0.000365747	0.000197136	0.0002305	4833
4834	0.000191942	0.000171685	0.000393478	0.000214539	0.000225129	0.000190107	0.000170498	0.000398729	0.000214539	0.000232274	4834
4835	0.000206183	0.000184274	0.00042416	0.000230741	0.000225519	0.000204305	0.000183098	0.000429926	0.000230741	0.000232682	4835
4836	0.000219841	0.000196286	0.000454198	0.000247075	0.000217994	0.000218261	0.000195453	0.000460915	0.000247075	0.000226352	4836
4837	0.000233562	0.000208434	0.000483563	0.000263131	0.000216952	0.000232143	0.000207808	0.00049105	0.000263131	0.000225207	4837
4838	0.000246119	0.00021955	0.000510454	0.000278261	0.000211929	0.000245041	0.0002193	0.000518904	0.000278261	0.000219683	4838
4839	0.000260476	0.000232136	0.000542436	0.000295295	0.000211042	0.000259643	0.000232182	0.000551794	0.000295295	0.000216678	4839
4840	0.000271755	0.000242103	0.000566766	0.000308148	0.000202111	0.000270895	0.000242166	0.000576543	0.000308148	0.000206805	4840
4841	0.000280453	0.00024985	0.000584926	0.000317818	0.000196213	0.000279479	0.000249832	0.0005949	0.000317818	0.000200323	4841
4842	0.000274944	0.000245253	0.000570346	0.000308749	0.000193206	0.000272801	0.000244065	0.000578526	0.000308749	0.000197061	4842
4843	0.000263006	0.000235087	0.000540771	0.000290286	0.000176177	0.000258814	0.000231847	0.000545716	0.000290286	0.000182322	4843
4844	0.000246004	0.000220255	0.000502191	0.000268142	0.000159849	0.000240661	0.000215824	0.000504904	0.000268142	0.000168141	4844
4845	0.000228906	0.000205744	0.000459352	0.000245361	0.000146124	0.00022246	0.00020004	0.000460983	0.000245361	0.000154972	4845
4846	0.000206542	0.000186279	0.000408145	0.000218558	0.000135606	0.000199818	0.000180101	0.000409591	0.000218558	0.000145182	4846
4847	0.000178116	0.000160678	0.000351617	0.000188632	0.00012952	0.000172446	0.000155444	0.000353337	0.000188632	0.000138449	4847
4848	0.000154843	0.000139659	0.000305909	0.00016539	0.000125623	0.000150584	0.000135732	0.00030859	0.00016539	0.000134136	4848
4849	0.000138803	0.000125138	0.000274766	0.000150278	0.000122175	0.000135912	0.000122497	0.00027864	0.000150278	0.000130266	4849
4850	0.000127252	0.000114799	0.000251156	0.00013842	0.000125329	0.000124939	0.000112682	0.000255342	0.00013842	0.000133785	4850
4851	0.000121142	0.000109316	0.000238807	0.000131958	0.000133294	0.000119047	0.000107393	0.00024304	0.000131958	0.000142631	4851
4852	0.000122183	0.000110212	0.000241282	0.000133358	0.000144344	0.000120175	0.000108379	0.000245675	0.000133358	0.000154877	4852
4853	0.00012623	0.000113863	0.000249267	0.000137473	0.000156626	0.000124009	0.000111834	0.000253535	0.000137473	0.000168504	4853
4854	0.000133121	0.000120239	0.00026129	0.000144213	0.000164337	0.000130454	0.000117786	0.000265234	0.000144213	0.000177196	4854
4855	0.000147172	0.000132388	0.000294258	0.00016149	0.000217947	0.000144785	0.000130379	0.000298055	0.00016149	0.000224271	4855

4856	0.000161646	0.000144753	0.000329724	0.00018028	0.000220867	0.000159962	0.000143607	0.000333958	0.00018028	0.000227613	**4856**
4857	0.000176515	0.000157974	0.000360988	0.000197136	0.000223507	0.000174776	0.000156827	0.000365747	0.000197136	0.0002305	**4857**
4858	0.000191942	0.000171685	0.000393478	0.000214539	0.000225129	0.000190107	0.000170498	0.000398729	0.000214539	0.000232274	**4858**
4859	0.000206183	0.000184274	0.00042416	0.000230741	0.000225519	0.000204305	0.000183098	0.000429926	0.000230741	0.000232682	**4859**
4860	0.000219841	0.000196286	0.000454198	0.000247075	0.000217994	0.000218261	0.000195453	0.000460915	0.000247075	0.000226352	**4860**
4861	0.000233562	0.000208434	0.000483563	0.000263131	0.000216952	0.000232143	0.000207808	0.00049105	0.000263131	0.000225207	**4861**
4862	0.000246119	0.00021955	0.000510454	0.000278261	0.000211929	0.000245041	0.0002193	0.000518904	0.000278261	0.000219683	**4862**
4863	0.000260476	0.000232136	0.000542436	0.000295295	0.000211042	0.000259643	0.000232182	0.000551794	0.000295295	0.000216678	**4863**
4864	0.000271755	0.000242103	0.000566766	0.000308148	0.000202111	0.000270895	0.000242166	0.000576543	0.000308148	0.000206805	**4864**
4865	0.000280453	0.00024985	0.000584926	0.000317818	0.000196213	0.000279479	0.000249832	0.0005949	0.000317818	0.000200323	**4865**
4866	0.000274944	0.000245253	0.000570346	0.000308749	0.000193206	0.000272801	0.000244065	0.000578526	0.000308749	0.000197061	**4866**
4867	0.000263006	0.000235087	0.000540771	0.000290286	0.000176177	0.000258814	0.000231847	0.000545716	0.000290286	0.000182322	**4867**
4868	0.000246004	0.000220255	0.000502191	0.000268142	0.000159849	0.000240661	0.000215824	0.000504904	0.000268142	0.000168141	**4868**
4869	0.000228906	0.000205744	0.000459352	0.000245361	0.000146124	0.00022246	0.00020004	0.000460983	0.000245361	0.000154972	**4869**
4870	0.000206542	0.000186279	0.000408145	0.000218558	0.000135606	0.000199818	0.000180101	0.000409591	0.000218558	0.000145182	**4870**
4871	0.000178116	0.000160678	0.000351617	0.000188632	0.00012952	0.000172446	0.000155444	0.000353337	0.000188632	0.000138449	**4871**
4872	0.000154843	0.000139659	0.000305909	0.00016539	0.000125623	0.000150584	0.000135732	0.00030859	0.00016539	0.000134136	**4872**
4873	0.000138803	0.000125138	0.000274766	0.000150278	0.000122175	0.000135912	0.000122497	0.00027864	0.000150278	0.000130266	**4873**
4874	0.000127252	0.000114799	0.000251156	0.00013842	0.000125329	0.000124939	0.000112682	0.000255342	0.00013842	0.000133785	**4874**
4875	0.000121142	0.000109316	0.000238807	0.000131958	0.000133294	0.000119047	0.000107393	0.00024304	0.000131958	0.000142631	**4875**
4876	0.000122183	0.000110212	0.000241282	0.000133358	0.000144344	0.000120175	0.000108379	0.000245675	0.000133358	0.000154877	**4876**
4877	0.00012623	0.000113863	0.000249267	0.000137473	0.000156626	0.000124009	0.000111834	0.000253535	0.000137473	0.000168504	**4877**
4878	0.000133121	0.000120239	0.00026129	0.000144213	0.000164337	0.000130454	0.000117786	0.000265234	0.000144213	0.000177196	**4878**
4879	0.000147172	0.000132388	0.000294258	0.00016149	0.000217947	0.000144785	0.000130379	0.000298055	0.00016149	0.000224271	**4879**
4880	0.000161646	0.000144753	0.000329724	0.00018028	0.000220867	0.000159962	0.000143607	0.000333958	0.00018028	0.000227613	**4880**
4881	0.000176515	0.000157974	0.000360988	0.000197136	0.000223507	0.000174776	0.000156827	0.000365747	0.000197136	0.0002305	**4881**
4882	0.000191942	0.000171685	0.000393478	0.000214539	0.000225129	0.000190107	0.000170498	0.000398729	0.000214539	0.000232274	**4882**
4883	0.000206183	0.000184274	0.00042416	0.000230741	0.000225519	0.000204305	0.000183098	0.000429926	0.000230741	0.000232682	**4883**
4884	0.000219841	0.000196286	0.000454198	0.000247075	0.000217994	0.000218261	0.000195453	0.000460915	0.000247075	0.000226352	**4884**
4885	0.000233562	0.000208434	0.000483563	0.000263131	0.000216952	0.000232143	0.000207808	0.00049105	0.000263131	0.000225207	**4885**
4886	0.000246119	0.00021955	0.000510454	0.000278261	0.000211929	0.000245041	0.0002193	0.000518904	0.000278261	0.000219683	**4886**
4887	0.000260476	0.000232136	0.000542436	0.000295295	0.000211042	0.000259643	0.000232182	0.000551794	0.000295295	0.000216678	**4887**
4888	0.000271755	0.000242103	0.000566766	0.000308148	0.000202111	0.000270895	0.000242166	0.000576543	0.000308148	0.000206805	**4888**
4889	0.000280453	0.00024985	0.000584926	0.000317818	0.000196213	0.000279479	0.000249832	0.0005949	0.000317818	0.000200323	**4889**
4890	0.000274944	0.000245253	0.000570346	0.000308749	0.000193206	0.000272801	0.000244065	0.000578526	0.000308749	0.000197061	**4890**
4891	0.000263006	0.000235087	0.000540771	0.000290286	0.000176177	0.000258814	0.000231847	0.000545716	0.000290286	0.000182322	**4891**
4892	0.000246004	0.000220255	0.000502191	0.000268142	0.000159849	0.000240661	0.000215824	0.000504904	0.000268142	0.000168141	**4892**
4893	0.000228906	0.000205744	0.000459352	0.000245361	0.000146124	0.00022246	0.00020004	0.000460983	0.000245361	0.000154972	**4893**
4894	0.000206542	0.000186279	0.000408145	0.000218558	0.000135606	0.000199818	0.000180101	0.000409591	0.000218558	0.000145182	**4894**
4895	0.000178116	0.000160678	0.000351617	0.000188632	0.00012952	0.000172446	0.000155444	0.000353337	0.000188632	0.000138449	**4895**
4896	0.000154843	0.000139659	0.000305909	0.00016539	0.000125623	0.000150584	0.000135732	0.00030859	0.00016539	0.000134136	**4896**
4897	0.000139409	0.000125669	0.000276112	0.00015099	0.00012158	0.000136525	0.000123038	0.00028002	0.00015099	0.000129608	**4897**
4898	0.00012739	0.00011492	0.000251459	0.000138582	0.000125251	0.000125079	0.000112806	0.000255652	0.000138582	0.000133698	**4898**
4899	0.000121191	0.000109363	0.000238869	0.000132011	0.000133217	0.000119096	0.00010744	0.000243104	0.000132011	0.000142544	**4899**
4900	0.000122683	0.000110657	0.000242327	0.000133938	0.00014419	0.00012068	0.00010883	0.000246746	0.000133938	0.000154704	**4900**
4901	0.000126715	0.000114301	0.000250225	0.000138031	0.000156632	0.000124497	0.000112276	0.000254517	0.000138031	0.00016851	**4901**
4902	0.00013385	0.000120891	0.000262781	0.000145056	0.000164436	0.000131188	0.000118445	0.000266763	0.000145056	0.000177305	**4902**
4903	0.000149362	0.00013463	0.000295932	0.000162504	0.000217964	0.000146486	0.000132079	0.00029977	0.000162504	0.000224287	**4903**
4904	0.000161508	0.000144636	0.000329368	0.000180112	0.000220873	0.000159821	0.000143487	0.000333593	0.000180112	0.000227617	**4904**
4905	0.000175673	0.000157238	0.000359086	0.000196143	0.000223529	0.000173923	0.000156076	0.000363796	0.000196143	0.000230522	**4905**
4906	0.00019148	0.00017128	0.000392456	0.000213997	0.000225058	0.00018964	0.000170085	0.000397682	0.000213997	0.000232191	**4906**
4907	0.000206975	0.00018498	0.000425812	0.00023166	0.000225395	0.000205104	0.000183813	0.000431619	0.00023166	0.000232541	**4907**
4908	0.000220803	0.000197129	0.000456344	0.000248206	0.000217749	0.000219234	0.000196311	0.000463116	0.000248206	0.000226077	**4908**
4909	0.000234768	0.000209495	0.000486212	0.000264545	0.00021661	0.000233363	0.000208887	0.000493765	0.000264545	0.000224823	**4909**
4910	0.000248292	0.00022146	0.000515246	0.00028081	0.000211656	0.000247239	0.000221243	0.000523817	0.00028081	0.000219372	**4910**
4911	0.000262957	0.000234323	0.000547842	0.000298199	0.000211084	0.00026215	0.000234405	0.000557335	0.000298199	0.000216714	**4911**
4912	0.00027455	0.000244566	0.000572871	0.000311421	0.000202427	0.000273722	0.00024467	0.000582802	0.000311421	0.000207144	**4912**
4913	0.000284759	0.000253649	0.000594274	0.000322853	0.000196507	0.000283831	0.000253692	0.000604483	0.000322853	0.000200636	**4913**
4914	0.000279392	0.000249188	0.000579893	0.000313939	0.000193351	0.000277294	0.000248061	0.000588313	0.000313939	0.000197205	**4914**
4915	0.000267841	0.000239367	0.000551135	0.000295927	0.000176249	0.000263698	0.000236191	0.00055634	0.000295927	0.000182386	**4915**
4916	0.000250447	0.000224185	0.000511729	0.000273326	0.000159899	0.000245149	0.000219815	0.000514681	0.000273326	0.000168179	**4916**
4917	0.000231382	0.000207622	0.000467775	0.0002498	0.000146073	0.000225474	0.000202526	0.000469618	0.0002498	0.000154901	**4917**
4918	0.000210085	0.000189414	0.000415745	0.000222692	0.000135712	0.000203397	0.000183284	0.000417381	0.000222692	0.000145286	**4918**
4919	0.000180717	0.000162986	0.00035713	0.00019166	0.000129757	0.000175072	0.000157785	0.000358988	0.00019166	0.000138699	**4919**
4920	0.000157391	0.000141917	0.000311349	0.000168361	0.000125984	0.000153158	0.000138024	0.000314167	0.000168361	0.000134524	**4920**
4921	0.000139409	0.000125669	0.000276112	0.00015099	0.00012158	0.000136525	0.000123038	0.00028002	0.00015099	0.000129608	**4921**
4922	0.00012739	0.00011492	0.000251459	0.000138582	0.000125251	0.000125079	0.000112806	0.000255652	0.000138582	0.000133698	**4922**
4923	0.000121191	0.000109363	0.000238869	0.000132011	0.000133217	0.000119096	0.00010744	0.000243104	0.000132011	0.000142544	**4923**
4924	0.000122683	0.000110657	0.000242327	0.000133938	0.00014419	0.00012068	0.00010883	0.000246746	0.000133938	0.000154704	**4924**
4925	0.000126715	0.000114301	0.000250225	0.000138031	0.000156632	0.000124497	0.000112276	0.000254517	0.000138031	0.00016851	**4925**
4926	0.00013385	0.000120891	0.000262781	0.000145056	0.000164436	0.000131188	0.000118445	0.000266763	0.000145056	0.000177305	**4926**
4927	0.000149362	0.00013463	0.000295932	0.000162504	0.000217964	0.000146486	0.000132079	0.00029977	0.000162504	0.000224287	**4927**
4928	0.000161508	0.000144636	0.000329368	0.000180112	0.000220873	0.000159821	0.000143487	0.000333593	0.000180112	0.000227617	**4928**
4929	0.000175673	0.000157238	0.000359086	0.000196143	0.000223529	0.000173923	0.000156076	0.000363796	0.000196143	0.000230522	**4929**
4930	0.00019148	0.00017128	0.000392456	0.000213997	0.000225058	0.00018964	0.000170085	0.000397682	0.000213997	0.000232191	**4930**
4931	0.000206975	0.00018498	0.000425812	0.00023166	0.000225395	0.000205104	0.000183813	0.000431619	0.00023166	0.000232541	**4931**

4932	0.000220803	0.000197129	0.000456344	0.000248206	0.000217749	0.000219234	0.000196311	0.000463116	0.000248206	0.000226077	4932
4933	0.000234768	0.000209495	0.000486212	0.000264545	0.00021661	0.000233363	0.000208887	0.000493765	0.000264545	0.000224823	4933
4934	0.000248292	0.00022146	0.000515246	0.00028081	0.000211656	0.000247239	0.000221243	0.000523817	0.00028081	0.000219372	4934
4935	0.000262957	0.000234323	0.000547842	0.000298199	0.000211084	0.00026215	0.000234405	0.000557335	0.000298199	0.000216714	4935
4936	0.00027455	0.000244566	0.000572871	0.000311421	0.000202427	0.000273722	0.00024467	0.000582802	0.000311421	0.000207144	4936
4937	0.000284759	0.000253649	0.000594274	0.000322853	0.000196507	0.000283831	0.000253692	0.000604483	0.000322853	0.000200636	4937
4938	0.000279392	0.000249188	0.000579893	0.000313939	0.000193351	0.000277294	0.000248061	0.000588313	0.000313939	0.000197205	4938
4939	0.000267841	0.000239367	0.000551135	0.000295927	0.000176249	0.000263698	0.000236191	0.00055634	0.000295927	0.000182386	4939
4940	0.000250447	0.000224185	0.000511729	0.000273326	0.000159899	0.000245149	0.000219815	0.000514681	0.000273326	0.000168179	4940
4941	0.000231382	0.000207622	0.000467775	0.0002498	0.000146073	0.000225474	0.000202526	0.000469618	0.0002498	0.000154901	4941
4942	0.000210085	0.000189414	0.000415745	0.000222692	0.000135712	0.000203397	0.000183284	0.000417381	0.000222692	0.000145286	4942
4943	0.000180717	0.000162986	0.00035713	0.00019166	0.000129757	0.000175072	0.000157785	0.000358988	0.00019166	0.000138699	4943
4944	0.000157391	0.000141917	0.000311349	0.000168361	0.000125984	0.000153158	0.000138024	0.000314167	0.000168361	0.000134524	4944
4945	0.000138803	0.000125138	0.000274766	0.000150278	0.000122175	0.000135912	0.000122497	0.00027864	0.000150278	0.000130266	4945
4946	0.000127252	0.000114799	0.000251156	0.00013842	0.000125329	0.000124939	0.000112682	0.000255342	0.00013842	0.000133785	4946
4947	0.000121142	0.000109316	0.000238807	0.000131958	0.000133294	0.000119047	0.000107393	0.00024304	0.000131958	0.000142631	4947
4948	0.000122183	0.000110212	0.000241282	0.000133358	0.000144344	0.000120175	0.000108379	0.000245675	0.000133358	0.000154877	4948
4949	0.00012623	0.000113863	0.000249267	0.000137473	0.000156626	0.000124009	0.000111834	0.000253535	0.000137473	0.000168504	4949
4950	0.000133121	0.000120239	0.00026129	0.000144213	0.000164337	0.000130454	0.000117786	0.000265234	0.000144213	0.000177196	4950
4951	0.000147172	0.000132388	0.000294258	0.00016149	0.000217947	0.000144785	0.000130379	0.000298055	0.00016149	0.000224271	4951
4952	0.000161646	0.000144753	0.000329724	0.00018028	0.000220867	0.000159962	0.000143607	0.000333958	0.00018028	0.000227613	4952
4953	0.000176515	0.000157974	0.000360988	0.000197136	0.000223507	0.000174776	0.000156827	0.000365747	0.000197136	0.0002305	4953
4954	0.000191942	0.000171685	0.000393478	0.000214539	0.000225129	0.000190107	0.000170498	0.000398729	0.000214539	0.000232274	4954
4955	0.000206183	0.000184274	0.00042416	0.000230741	0.000225519	0.000204305	0.000183098	0.000429926	0.000230741	0.000232682	4955
4956	0.000219841	0.000196286	0.000454198	0.000247075	0.000217994	0.000218261	0.000195453	0.000460915	0.000247075	0.000226352	4956
4957	0.000233562	0.000208434	0.000483563	0.000263131	0.000216952	0.000232143	0.000207808	0.00049105	0.000263131	0.000225207	4957
4958	0.000246119	0.00021955	0.000510454	0.000278261	0.000211929	0.000245041	0.0002193	0.000518904	0.000278261	0.000219683	4958
4959	0.000260476	0.000232136	0.000542436	0.000295295	0.000211042	0.000259643	0.000232182	0.000551794	0.000295295	0.000216678	4959
4960	0.000271755	0.000242103	0.000566766	0.000308148	0.000202111	0.000270895	0.000242166	0.000576543	0.000308148	0.000206805	4960
4961	0.000280453	0.00024985	0.000584926	0.000317818	0.000196213	0.000279479	0.000249832	0.0005949	0.000317818	0.000200323	4961
4962	0.000274944	0.000245253	0.000570346	0.000308749	0.000193206	0.000272801	0.000244065	0.000578526	0.000308749	0.000197061	4962
4963	0.000263006	0.000235087	0.000540771	0.000290286	0.000176177	0.000258814	0.000231847	0.000545716	0.000290286	0.000182322	4963
4964	0.000246004	0.000220255	0.000502191	0.000268142	0.000159849	0.000240661	0.000215824	0.000504904	0.000268142	0.000168141	4964
4965	0.000228906	0.000205744	0.000459352	0.000245361	0.000146124	0.00022246	0.00020004	0.000460983	0.000245361	0.000154972	4965
4966	0.000206542	0.000186279	0.000408145	0.000218558	0.000135606	0.000199818	0.000180101	0.000409591	0.000218558	0.000145182	4966
4967	0.000178116	0.000160678	0.000351617	0.000188632	0.00012952	0.000172446	0.000155444	0.000353337	0.000188632	0.000138449	4967
4968	0.000154843	0.000139659	0.000305909	0.00016539	0.000125623	0.000150584	0.000135732	0.00030859	0.00016539	0.000134136	4968
4969	0.000138803	0.000125138	0.000274766	0.000150278	0.000122175	0.000135912	0.000122497	0.00027864	0.000150278	0.000130266	4969
4970	0.000127252	0.000114799	0.000251156	0.00013842	0.000125329	0.000124939	0.000112682	0.000255342	0.00013842	0.000133785	4970
4971	0.000121142	0.000109316	0.000238807	0.000131958	0.000133294	0.000119047	0.000107393	0.00024304	0.000131958	0.000142631	4971
4972	0.000122183	0.000110212	0.000241282	0.000133358	0.000144344	0.000120175	0.000108379	0.000245675	0.000133358	0.000154877	4972
4973	0.00012623	0.000113863	0.000249267	0.000137473	0.000156626	0.000124009	0.000111834	0.000253535	0.000137473	0.000168504	4973
4974	0.000133121	0.000120239	0.00026129	0.000144213	0.000164337	0.000130454	0.000117786	0.000265234	0.000144213	0.000177196	4974
4975	0.000147172	0.000132388	0.000294258	0.00016149	0.000217947	0.000144785	0.000130379	0.000298055	0.00016149	0.000224271	4975
4976	0.000161646	0.000144753	0.000329724	0.00018028	0.000220867	0.000159962	0.000143607	0.000333958	0.00018028	0.000227613	4976
4977	0.000176515	0.000157974	0.000360988	0.000197136	0.000223507	0.000174776	0.000156827	0.000365747	0.000197136	0.0002305	4977
4978	0.000191942	0.000171685	0.000393478	0.000214539	0.000225129	0.000190107	0.000170498	0.000398729	0.000214539	0.000232274	4978
4979	0.000206183	0.000184274	0.00042416	0.000230741	0.000225519	0.000204305	0.000183098	0.000429926	0.000230741	0.000232682	4979
4980	0.000219841	0.000196286	0.000454198	0.000247075	0.000217994	0.000218261	0.000195453	0.000460915	0.000247075	0.000226352	4980
4981	0.000233562	0.000208434	0.000483563	0.000263131	0.000216952	0.000232143	0.000207808	0.00049105	0.000263131	0.000225207	4981
4982	0.000246119	0.00021955	0.000510454	0.000278261	0.000211929	0.000245041	0.0002193	0.000518904	0.000278261	0.000219683	4982
4983	0.000260476	0.000232136	0.000542436	0.000295295	0.000211042	0.000259643	0.000232182	0.000551794	0.000295295	0.000216678	4983
4984	0.000271755	0.000242103	0.000566766	0.000308148	0.000202111	0.000270895	0.000242166	0.000576543	0.000308148	0.000206805	4984
4985	0.000280453	0.00024985	0.000584926	0.000317818	0.000196213	0.000279479	0.000249832	0.0005949	0.000317818	0.000200323	4985
4986	0.000274944	0.000245253	0.000570346	0.000308749	0.000193206	0.000272801	0.000244065	0.000578526	0.000308749	0.000197061	4986
4987	0.000263006	0.000235087	0.000540771	0.000290286	0.000176177	0.000258814	0.000231847	0.000545716	0.000290286	0.000182322	4987
4988	0.000246004	0.000220255	0.000502191	0.000268142	0.000159849	0.000240661	0.000215824	0.000504904	0.000268142	0.000168141	4988
4989	0.000228906	0.000205744	0.000459352	0.000245361	0.000146124	0.00022246	0.00020004	0.000460983	0.000245361	0.000154972	4989
4990	0.000206542	0.000186279	0.000408145	0.000218558	0.000135606	0.000199818	0.000180101	0.000409591	0.000218558	0.000145182	4990
4991	0.000178116	0.000160678	0.000351617	0.000188632	0.00012952	0.000172446	0.000155444	0.000353337	0.000188632	0.000138449	4991
4992	0.000154843	0.000139659	0.000305909	0.00016539	0.000125623	0.000150584	0.000135732	0.00030859	0.00016539	0.000134136	4992
4993	0.000138803	0.000125138	0.000274766	0.000150278	0.000122175	0.000135912	0.000122497	0.00027864	0.000150278	0.000130266	4993
4994	0.000127252	0.000114799	0.000251156	0.00013842	0.000125329	0.000124939	0.000112682	0.000255342	0.00013842	0.000133785	4994
4995	0.000121142	0.000109316	0.000238807	0.000131958	0.000133294	0.000119047	0.000107393	0.00024304	0.000131958	0.000142631	4995
4996	0.000122183	0.000110212	0.000241282	0.000133358	0.000144344	0.000120175	0.000108379	0.000245675	0.000133358	0.000154877	4996
4997	0.00012623	0.000113863	0.000249267	0.000137473	0.000156626	0.000124009	0.000111834	0.000253535	0.000137473	0.000168504	4997
4998	0.000133121	0.000120239	0.00026129	0.000144213	0.000164337	0.000130454	0.000117786	0.000265234	0.000144213	0.000177196	4998
4999	0.000147172	0.000132388	0.000294258	0.00016149	0.000217947	0.000144785	0.000130379	0.000298055	0.00016149	0.000224271	4999
5000	0.000161646	0.000144753	0.000329724	0.00018028	0.000220867	0.000159962	0.000143607	0.000333958	0.00018028	0.000227613	5000
5001	0.000176515	0.000157974	0.000360988	0.000197136	0.000223507	0.000174776	0.000156827	0.000365747	0.000197136	0.0002305	5001
5002	0.000191942	0.000171685	0.000393478	0.000214539	0.000225129	0.000190107	0.000170498	0.000398729	0.000214539	0.000232274	5002
5003	0.000206183	0.000184274	0.00042416	0.000230741	0.000225519	0.000204305	0.000183098	0.000429926	0.000230741	0.000232682	5003
5004	0.000219841	0.000196286	0.000454198	0.000247075	0.000217994	0.000218261	0.000195453	0.000460915	0.000247075	0.000226352	5004
5005	0.000233562	0.000208434	0.000483563	0.000263131	0.000216952	0.000232143	0.000207808	0.00049105	0.000263131	0.000225207	5005
5006	0.000246119	0.00021955	0.000510454	0.000278261	0.000211929	0.000245041	0.0002193	0.000518904	0.000278261	0.000219683	5006
5007	0.000260476	0.000232136	0.000542436	0.000295295	0.000211042	0.000259643	0.000232182	0.000551794	0.000295295	0.000216678	5007

5008	0.000271755	0.000242103	0.000566766	0.000308148	0.000202111	0.000270895	0.000242166	0.000576543	0.000308148	0.000206805	**5008**
5009	0.000280453	0.00024985	0.000584926	0.000317818	0.000196213	0.000279479	0.000249832	0.0005949	0.000317818	0.000200323	**5009**
5010	0.000274944	0.000245253	0.000570346	0.000308749	0.000193206	0.000272801	0.000244065	0.000578526	0.000308749	0.000197061	**5010**
5011	0.000263006	0.000235087	0.000540771	0.000290286	0.000176177	0.000258814	0.000231847	0.000545716	0.000290286	0.000182322	**5011**
5012	0.000246004	0.000220255	0.000502191	0.000268142	0.000159849	0.000240661	0.000215824	0.000504904	0.000268142	0.000168141	**5012**
5013	0.000228906	0.000205744	0.000459352	0.000245361	0.000146124	0.00022246	0.00020004	0.000460983	0.000245361	0.000154972	**5013**
5014	0.000206542	0.000186279	0.000408145	0.000218558	0.000135606	0.000199818	0.000180101	0.000409591	0.000218558	0.000145182	**5014**
5015	0.000178116	0.000160678	0.000351617	0.000188632	0.00012952	0.000172446	0.000155444	0.000353337	0.000188632	0.000138449	**5015**
5016	0.000154843	0.000139659	0.000305909	0.00016539	0.000125623	0.000150584	0.000135732	0.00030859	0.00016539	0.000134136	**5016**
5017	0.000138803	0.000125138	0.000274766	0.000150278	0.000122175	0.000135912	0.000122497	0.00027864	0.000150278	0.000130266	**5017**
5018	0.000127252	0.000114799	0.000251156	0.00013842	0.000125329	0.000124939	0.000112682	0.000255342	0.00013842	0.000133785	**5018**
5019	0.000121142	0.000109316	0.000238807	0.000131958	0.000133294	0.000119047	0.000107393	0.00024304	0.000131958	0.000142631	**5019**
5020	0.000122183	0.000110212	0.000241282	0.000133358	0.000144344	0.000120175	0.000108379	0.000245675	0.000133358	0.000154877	**5020**
5021	0.00012623	0.000113863	0.000249267	0.000137473	0.000156626	0.000124009	0.000111834	0.000253535	0.000137473	0.000168504	**5021**
5022	0.000133121	0.000120239	0.00026129	0.000144213	0.000164337	0.000130454	0.000117786	0.000265234	0.000144213	0.000177196	**5022**
5023	0.000147172	0.000132388	0.000294258	0.00016149	0.000217947	0.000144785	0.000130379	0.000298055	0.00016149	0.000224271	**5023**
5024	0.000161646	0.000144753	0.000329724	0.00018028	0.000220867	0.000159962	0.000143607	0.000333958	0.00018028	0.000227613	**5024**
5025	0.000176515	0.000157974	0.000360988	0.000197136	0.000223507	0.000174776	0.000156827	0.000365747	0.000197136	0.0002305	**5025**
5026	0.000191942	0.000171685	0.000393478	0.000214539	0.000225129	0.000190107	0.000170498	0.000398729	0.000214539	0.000232274	**5026**
5027	0.000206183	0.000184274	0.00042416	0.000230741	0.000225519	0.000204305	0.000183098	0.000429926	0.000230741	0.000232682	**5027**
5028	0.000219841	0.000196286	0.000454198	0.000247075	0.000217994	0.000218261	0.000195453	0.000460915	0.000247075	0.000226352	**5028**
5029	0.000233562	0.000208434	0.000483563	0.000263131	0.000216952	0.000232143	0.000207808	0.00049105	0.000263131	0.000225207	**5029**
5030	0.000246119	0.00021955	0.000510454	0.000278261	0.000211929	0.000245041	0.0002193	0.000518904	0.000278261	0.000219683	**5030**
5031	0.000260476	0.000232136	0.000542436	0.000295295	0.000211042	0.000259643	0.000232182	0.000551794	0.000295295	0.000216678	**5031**
5032	0.000271755	0.000242103	0.000566766	0.000308148	0.000202111	0.000270895	0.000242166	0.000576543	0.000308148	0.000206805	**5032**
5033	0.000280453	0.00024985	0.000584926	0.000317818	0.000196213	0.000279479	0.000249832	0.0005949	0.000317818	0.000200323	**5033**
5034	0.000274944	0.000245253	0.000570346	0.000308749	0.000193206	0.000272801	0.000244065	0.000578526	0.000308749	0.000197061	**5034**
5035	0.000263006	0.000235087	0.000540771	0.000290286	0.000176177	0.000258814	0.000231847	0.000545716	0.000290286	0.000182322	**5035**
5036	0.000246004	0.000220255	0.000502191	0.000268142	0.000159849	0.000240661	0.000215824	0.000504904	0.000268142	0.000168141	**5036**
5037	0.000228906	0.000205744	0.000459352	0.000245361	0.000146124	0.00022246	0.00020004	0.000460983	0.000245361	0.000154972	**5037**
5038	0.000206542	0.000186279	0.000408145	0.000218558	0.000135606	0.000199818	0.000180101	0.000409591	0.000218558	0.000145182	**5038**
5039	0.000178116	0.000160678	0.000351617	0.000188632	0.00012952	0.000172446	0.000155444	0.000353337	0.000188632	0.000138449	**5039**
5040	0.000154843	0.000139659	0.000305909	0.00016539	0.000125623	0.000150584	0.000135732	0.00030859	0.00016539	0.000134136	**5040**
5041	0.000138803	0.000125138	0.000274766	0.000150278	0.000122175	0.000135912	0.000122497	0.00027864	0.000150278	0.000130266	**5041**
5042	0.000127252	0.000114799	0.000251156	0.00013842	0.000125329	0.000124939	0.000112682	0.000255342	0.00013842	0.000133785	**5042**
5043	0.000121142	0.000109316	0.000238807	0.000131958	0.000133294	0.000119047	0.000107393	0.00024304	0.000131958	0.000142631	**5043**
5044	0.000122183	0.000110212	0.000241282	0.000133358	0.000144344	0.000120175	0.000108379	0.000245675	0.000133358	0.000154877	**5044**
5045	0.00012623	0.000113863	0.000249267	0.000137473	0.000156626	0.000124009	0.000111834	0.000253535	0.000137473	0.000168504	**5045**
5046	0.000133121	0.000120239	0.00026129	0.000144213	0.000164337	0.000130454	0.000117786	0.000265234	0.000144213	0.000177196	**5046**
5047	0.000147172	0.000132388	0.000294258	0.00016149	0.000217947	0.000144785	0.000130379	0.000298055	0.00016149	0.000224271	**5047**
5048	0.000161646	0.000144753	0.000329724	0.00018028	0.000220867	0.000159962	0.000143607	0.000333958	0.00018028	0.000227613	**5048**
5049	0.000176515	0.000157974	0.000360988	0.000197136	0.000223507	0.000174776	0.000156827	0.000365747	0.000197136	0.0002305	**5049**
5050	0.000191942	0.000171685	0.000393478	0.000214539	0.000225129	0.000190107	0.000170498	0.000398729	0.000214539	0.000232274	**5050**
5051	0.000206183	0.000184274	0.00042416	0.000230741	0.000225519	0.000204305	0.000183098	0.000429926	0.000230741	0.000232682	**5051**
5052	0.000219841	0.000196286	0.000454198	0.000247075	0.000217994	0.000218261	0.000195453	0.000460915	0.000247075	0.000226352	**5052**
5053	0.000233562	0.000208434	0.000483563	0.000263131	0.000216952	0.000232143	0.000207808	0.00049105	0.000263131	0.000225207	**5053**
5054	0.000246119	0.00021955	0.000510454	0.000278261	0.000211929	0.000245041	0.0002193	0.000518904	0.000278261	0.000219683	**5054**
5055	0.000260476	0.000232136	0.000542436	0.000295295	0.000211042	0.000259643	0.000232182	0.000551794	0.000295295	0.000216678	**5055**
5056	0.000271755	0.000242103	0.000566766	0.000308148	0.000202111	0.000270895	0.000242166	0.000576543	0.000308148	0.000206805	**5056**
5057	0.000280453	0.00024985	0.000584926	0.000317818	0.000196213	0.000279479	0.000249832	0.0005949	0.000317818	0.000200323	**5057**
5058	0.000274944	0.000245253	0.000570346	0.000308749	0.000193206	0.000272801	0.000244065	0.000578526	0.000308749	0.000197061	**5058**
5059	0.000263006	0.000235087	0.000540771	0.000290286	0.000176177	0.000258814	0.000231847	0.000545716	0.000290286	0.000182322	**5059**
5060	0.000246004	0.000220255	0.000502191	0.000268142	0.000159849	0.000240661	0.000215824	0.000504904	0.000268142	0.000168141	**5060**
5061	0.000228906	0.000205744	0.000459352	0.000245361	0.000146124	0.00022246	0.00020004	0.000460983	0.000245361	0.000154972	**5061**
5062	0.000206542	0.000186279	0.000408145	0.000218558	0.000135606	0.000199818	0.000180101	0.000409591	0.000218558	0.000145182	**5062**
5063	0.000178116	0.000160678	0.000351617	0.000188632	0.00012952	0.000172446	0.000155444	0.000353337	0.000188632	0.000138449	**5063**
5064	0.000154843	0.000139659	0.000305909	0.00016539	0.000125623	0.000150584	0.000135732	0.00030859	0.00016539	0.000134136	**5064**
5065	0.000139409	0.000125669	0.000276112	0.00015099	0.00012158	0.000136525	0.000123038	0.00028002	0.00015099	0.000129608	**5065**
5066	0.00012739	0.00011492	0.000251459	0.000138582	0.000125251	0.000125079	0.000112806	0.000255652	0.000138582	0.000133698	**5066**
5067	0.000121191	0.000109363	0.000238869	0.000132011	0.000133217	0.000119096	0.00010744	0.000243104	0.000132011	0.000142544	**5067**
5068	0.000122683	0.000110657	0.000242327	0.000133938	0.00014419	0.00012068	0.00010883	0.000246746	0.000133938	0.000154704	**5068**
5069	0.000126715	0.000114301	0.000250225	0.000138031	0.000156632	0.000124497	0.000112276	0.000254517	0.000138031	0.00016851	**5069**
5070	0.00013385	0.000120891	0.000262781	0.000145056	0.000164436	0.000131188	0.000118445	0.000266763	0.000145056	0.000177305	**5070**
5071	0.000149362	0.00013463	0.000295932	0.000162504	0.000217964	0.000146486	0.000132079	0.00029977	0.000162504	0.000224287	**5071**
5072	0.000161508	0.000144636	0.000329368	0.000180112	0.000220873	0.000159821	0.000143487	0.000333593	0.000180112	0.000227617	**5072**
5073	0.000175673	0.000157238	0.000359086	0.000196143	0.000223529	0.000173923	0.000156076	0.000363796	0.000196143	0.000230522	**5073**
5074	0.00019148	0.00017128	0.000392456	0.000213997	0.000225058	0.00018964	0.000170085	0.000397682	0.000213997	0.000232191	**5074**
5075	0.000206975	0.00018498	0.000425812	0.00023166	0.000225395	0.000205104	0.000183813	0.000431619	0.00023166	0.000232541	**5075**
5076	0.000220803	0.000197129	0.000456344	0.000248206	0.000217749	0.000219234	0.000196311	0.000463116	0.000248206	0.000226077	**5076**
5077	0.000234768	0.000209495	0.000486212	0.000264545	0.00021661	0.000233363	0.000208887	0.000493765	0.000264545	0.000224823	**5077**
5078	0.000248292	0.00022146	0.000515246	0.00028081	0.000211656	0.000247239	0.000221243	0.000523817	0.00028081	0.000219372	**5078**
5079	0.000262957	0.000234323	0.000547842	0.000298199	0.000211084	0.00026215	0.000234405	0.000557335	0.000298199	0.000216714	**5079**
5080	0.00027455	0.000244566	0.000572871	0.000311421	0.000202427	0.000273722	0.00024467	0.000582802	0.000311421	0.000207144	**5080**
5081	0.000284759	0.000253649	0.000594274	0.000322853	0.000196507	0.000283831	0.000253692	0.000604483	0.000322853	0.000200636	**5081**
5082	0.000279392	0.000249188	0.000579893	0.000313939	0.000193351	0.000277294	0.000248061	0.000588313	0.000313939	0.000197205	**5082**
5083	0.000267841	0.000239367	0.000551135	0.000295927	0.000176249	0.000263698	0.000236191	0.00055634	0.000295927	0.000182386	**5083**

5084	0.000250447	0.000224185	0.000511729	0.000273326	0.000159899	0.000245149	0.000219815	0.000514681	0.000273326	0.000168179	**5084**
5085	0.000231382	0.000207622	0.000467775	0.0002498	0.000146073	0.000225474	0.000202526	0.000469618	0.0002498	0.000154901	**5085**
5086	0.000210085	0.000189414	0.000415745	0.000222692	0.000135712	0.000203397	0.000183284	0.000417381	0.000222692	0.000145286	**5086**
5087	0.000180717	0.000162986	0.00035713	0.00019166	0.000129757	0.000175072	0.000157785	0.000358988	0.00019166	0.000138699	**5087**
5088	0.000157391	0.000141917	0.000311349	0.000168361	0.000125984	0.000153158	0.000138024	0.000314167	0.000168361	0.000134524	**5088**
5089	0.000139409	0.000125669	0.000276112	0.00015099	0.00012158	0.000136525	0.000123038	0.00028002	0.00015099	0.000129608	**5089**
5090	0.00012739	0.00011492	0.000251459	0.000138582	0.000125251	0.000125079	0.000112806	0.000255652	0.000138582	0.000133698	**5090**
5091	0.000121191	0.000109363	0.000238869	0.000132011	0.000133217	0.000119096	0.00010744	0.000243104	0.000132011	0.000142544	**5091**
5092	0.000122683	0.000110657	0.000242327	0.000133938	0.00014419	0.00012068	0.00010883	0.000246746	0.000133938	0.000154704	**5092**
5093	0.000126715	0.000114301	0.000250225	0.000138031	0.000156632	0.000124497	0.000112276	0.000254517	0.000138031	0.00016851	**5093**
5094	0.00013385	0.000120891	0.000262781	0.000145056	0.000164436	0.000131188	0.000118445	0.000266763	0.000145056	0.000177305	**5094**
5095	0.000149362	0.00013463	0.000295932	0.000162504	0.000217964	0.000146486	0.000132079	0.00029977	0.000162504	0.000224287	**5095**
5096	0.000161508	0.000144636	0.000329368	0.000180112	0.000220873	0.000159821	0.000143487	0.000333593	0.000180112	0.000227617	**5096**
5097	0.000175673	0.000157238	0.000359086	0.000196143	0.000223529	0.000173923	0.000156076	0.000363796	0.000196143	0.000230522	**5097**
5098	0.00019148	0.00017128	0.000392456	0.000213997	0.000225058	0.00018964	0.000170085	0.000397682	0.000213997	0.000232191	**5098**
5099	0.000206975	0.00018498	0.000425812	0.00023166	0.000225395	0.000205104	0.000183813	0.000431619	0.00023166	0.000232541	**5099**
5100	0.000220803	0.000197129	0.000456344	0.000248206	0.000217749	0.000219234	0.000196311	0.000463116	0.000248206	0.000226077	**5100**
5101	0.000234768	0.000209495	0.000486212	0.000264545	0.00021661	0.000233363	0.000208887	0.000493765	0.000264545	0.000224823	**5101**
5102	0.000248292	0.00022146	0.000515246	0.00028081	0.000211656	0.000247239	0.000221243	0.000523817	0.00028081	0.000219372	**5102**
5103	0.000262957	0.000234323	0.000547842	0.000298199	0.000211084	0.00026215	0.000234405	0.000557335	0.000298199	0.000216714	**5103**
5104	0.00027455	0.000244566	0.000572871	0.000311421	0.000202427	0.000273722	0.00024467	0.000582802	0.000311421	0.000207144	**5104**
5105	0.000284759	0.000253649	0.000594274	0.000322853	0.000196507	0.000283831	0.000253692	0.000604483	0.000322853	0.000200636	**5105**
5106	0.000279392	0.000249188	0.000579893	0.000313939	0.000193351	0.000277294	0.000248061	0.000588313	0.000313939	0.000197205	**5106**
5107	0.000267841	0.000239367	0.000551135	0.000295927	0.000176249	0.000263698	0.000236191	0.00055634	0.000295927	0.000182386	**5107**
5108	0.000250447	0.000224185	0.000511729	0.000273326	0.000159899	0.000245149	0.000219815	0.000514681	0.000273326	0.000168179	**5108**
5109	0.000231382	0.000207622	0.000467775	0.0002498	0.000146073	0.000225474	0.000202526	0.000469618	0.0002498	0.000154901	**5109**
5110	0.000210085	0.000189414	0.000415745	0.000222692	0.000135712	0.000203397	0.000183284	0.000417381	0.000222692	0.000145286	**5110**
5111	0.000180717	0.000162986	0.00035713	0.00019166	0.000129757	0.000175072	0.000157785	0.000358988	0.00019166	0.000138699	**5111**
5112	0.000157391	0.000141917	0.000311349	0.000168361	0.000125984	0.000153158	0.000138024	0.000314167	0.000168361	0.000134524	**5112**
5113	0.000126415	0.000114178	0.000248171	0.000135821	0.000121072	0.000123398	0.000111369	0.000251377	0.000135821	0.000129162	**5113**
5114	0.000117624	0.000106233	0.000230954	0.000127232	0.000122895	0.000115224	0.000104	0.000234636	0.000127232	0.000131225	**5114**
5115	0.000111511	0.000100802	0.000218063	0.000120712	0.000130933	0.000109317	9.87466E-05	0.000221775	0.000120712	0.000140161	**5115**
5116	0.000112136	0.000101421	0.000218742	0.000121534	0.000144164	0.000110004	9.94247E-05	0.000222563	0.000121534	0.00015484	**5116**
5117	0.000119648	0.000108208	0.000233472	0.000129622	0.000158237	0.000117323	0.000106042	0.000237334	0.000129622	0.000170428	**5117**
5118	0.000128737	0.000116398	0.000251505	0.000139059	0.000164256	0.000126017	0.000113874	0.000255202	0.000139059	0.000177273	**5118**
5119	0.000133129	0.000119946	0.000264293	0.00014512	0.000215858	0.000130604	0.000117752	0.000267337	0.00014512	0.000222143	**5119**
5120	0.000143809	0.000128878	0.000292369	0.00015956	0.000218333	0.000141965	0.000127518	0.000295671	0.00015956	0.000224948	**5120**
5121	0.000151495	0.000135769	0.000307954	0.000168007	0.000222792	0.000149517	0.000134302	0.000311385	0.000168007	0.000229833	**5121**
5122	0.000162657	0.000145783	0.000330537	0.000180356	0.000223135	0.000160522	0.000144197	0.000334207	0.000180356	0.000230168	**5122**
5123	0.000177245	0.000158752	0.000361243	0.00019689	0.000222095	0.000175054	0.000157161	0.000365424	0.00019689	0.000228988	**5123**
5124	0.000194443	0.000173861	0.000399224	0.00021739	0.000214526	0.000192595	0.000172672	0.000404558	0.00021739	0.000222625	**5124**
5125	0.000210767	0.000188276	0.000434539	0.000236521	0.000215836	0.000209114	0.000187338	0.000440794	0.000236521	0.000224091	**5125**
5126	0.000228378	0.000203729	0.000473613	0.000257685	0.000212872	0.000227148	0.000203274	0.000481146	0.000257685	0.000220819	**5126**
5127	0.000241537	0.000215366	0.000501915	0.000273207	0.000212733	0.000240513	0.00021516	0.000510255	0.000273207	0.000218636	**5127**
5128	0.000247974	0.000221138	0.000514975	0.000280321	0.000201552	0.000246856	0.000220859	0.000523446	0.000280321	0.000206259	**5128**
5129	0.000251799	0.00022475	0.000520911	0.000284122	0.000192961	0.000250477	0.000224273	0.000529261	0.000284122	0.000196781	**5129**
5130	0.000249767	0.00022313	0.000514784	0.000279213	0.000187832	0.000247334	0.000221559	0.000521559	0.000279213	0.000191137	**5130**
5131	0.000245062	0.000219308	0.000501299	0.000269249	0.000171042	0.000240666	0.000215798	0.000505246	0.000269249	0.000176641	**5131**
5132	0.000232773	0.000208781	0.000471478	0.000252465	0.000153978	0.000227243	0.000204106	0.000473404	0.000252465	0.000161634	**5132**
5133	0.000214866	0.000193346	0.000428972	0.000228952	0.000139305	0.000208272	0.000187446	0.000429837	0.000228952	0.00014743	**5133**
5134	0.000189667	0.000171355	0.000371853	0.000198858	0.000127908	0.000182769	0.000164947	0.000372387	0.000198858	0.000136677	**5134**
5135	0.000164262	0.000148473	0.000321353	0.00017241	0.000123351	0.000158439	0.000143036	0.00032231	0.00017241	0.000131661	**5135**
5136	0.000143995	0.000130145	0.000281791	0.000152646	0.000121316	0.000139607	0.000126048	0.000283862	0.000152646	0.000129419	**5136**
5137	0.000126415	0.000114178	0.000248171	0.000135821	0.000121072	0.000123398	0.000111369	0.000251377	0.000135821	0.000129162	**5137**
5138	0.000117624	0.000106233	0.000230954	0.000127232	0.000122895	0.000115224	0.000104	0.000234636	0.000127232	0.000131225	**5138**
5139	0.000111511	0.000100802	0.000218063	0.000120712	0.000130933	0.000109317	9.87466E-05	0.000221775	0.000120712	0.000140161	**5139**
5140	0.000112136	0.000101421	0.000218742	0.000121534	0.000144164	0.000110004	9.94247E-05	0.000222563	0.000121534	0.00015484	**5140**
5141	0.000119648	0.000108208	0.000233472	0.000129622	0.000158237	0.000117323	0.000106042	0.000237334	0.000129622	0.000170428	**5141**
5142	0.000128737	0.000116398	0.000251505	0.000139059	0.000164256	0.000126017	0.000113874	0.000255202	0.000139059	0.000177273	**5142**
5143	0.000133129	0.000119946	0.000264293	0.00014512	0.000215858	0.000130604	0.000117752	0.000267337	0.00014512	0.000222143	**5143**
5144	0.000143809	0.000128878	0.000292369	0.00015956	0.000218333	0.000141965	0.000127518	0.000295671	0.00015956	0.000224948	**5144**
5145	0.000151495	0.000135769	0.000307954	0.000168007	0.000222792	0.000149517	0.000134302	0.000311385	0.000168007	0.000229833	**5145**
5146	0.000162657	0.000145783	0.000330537	0.000180356	0.000223135	0.000160522	0.000144197	0.000334207	0.000180356	0.000230168	**5146**
5147	0.000177245	0.000158752	0.000361243	0.00019689	0.000222095	0.000175054	0.000157161	0.000365424	0.00019689	0.000228988	**5147**
5148	0.000194443	0.000173861	0.000399224	0.00021739	0.000214526	0.000192595	0.000172672	0.000404558	0.00021739	0.000222625	**5148**
5149	0.000210767	0.000188276	0.000434539	0.000236521	0.000215836	0.000209114	0.000187338	0.000440794	0.000236521	0.000224091	**5149**
5150	0.000228378	0.000203729	0.000473613	0.000257685	0.000212872	0.000227148	0.000203274	0.000481146	0.000257685	0.000220819	**5150**
5151	0.000241537	0.000215366	0.000501915	0.000273207	0.000212733	0.000240513	0.00021516	0.000510255	0.000273207	0.000218636	**5151**
5152	0.000247974	0.000221138	0.000514975	0.000280321	0.000201552	0.000246856	0.000220859	0.000523446	0.000280321	0.000206259	**5152**
5153	0.000251799	0.00022475	0.000520911	0.000284122	0.000192961	0.000250477	0.000224273	0.000529261	0.000284122	0.000196781	**5153**
5154	0.000249767	0.00022313	0.000514784	0.000279213	0.000187832	0.000247334	0.000221559	0.000521559	0.000279213	0.000191137	**5154**
5155	0.000245062	0.000219308	0.000501299	0.000269249	0.000171042	0.000240666	0.000215798	0.000505246	0.000269249	0.000176641	**5155**
5156	0.000232773	0.000208781	0.000471478	0.000252465	0.000153978	0.000227243	0.000204106	0.000473404	0.000252465	0.000161634	**5156**
5157	0.000214866	0.000193346	0.000428972	0.000228952	0.000139305	0.000208272	0.000187446	0.000429837	0.000228952	0.00014743	**5157**
5158	0.000189667	0.000171355	0.000371853	0.000198858	0.000127908	0.000182769	0.000164947	0.000372387	0.000198858	0.000136677	**5158**
5159	0.000164262	0.000148473	0.000321353	0.00017241	0.000123351	0.000158439	0.000143036	0.00032231	0.00017241	0.000131661	**5159**

5160	0.000143995	0.000130145	0.000281791	0.000152646	0.000121316	0.000139607	0.000126048	0.000283862	0.000152646	0.000129419	5160
5161	0.000126415	0.000114178	0.000248171	0.000135821	0.000121072	0.000123398	0.000111369	0.000251377	0.000135821	0.000129162	5161
5162	0.000117624	0.000106233	0.000230954	0.000127232	0.000122895	0.000115224	0.000104	0.000234636	0.000127232	0.000131225	5162
5163	0.000111511	0.000100802	0.000218063	0.000120712	0.000130933	0.000109317	9.87466E-05	0.000221775	0.000120712	0.000140161	5163
5164	0.000112136	0.000101421	0.000218742	0.000121534	0.000144164	0.000110004	9.94247E-05	0.000222563	0.000121534	0.00015484	5164
5165	0.000119648	0.000108208	0.000233472	0.000129622	0.000158237	0.000117323	0.000106042	0.000237334	0.000129622	0.000170428	5165
5166	0.000128737	0.000116398	0.000251505	0.000139059	0.000164256	0.000126017	0.000113874	0.000255202	0.000139059	0.000177273	5166
5167	0.000133129	0.000119946	0.000264293	0.00014512	0.000215858	0.000130604	0.000117752	0.000267337	0.00014512	0.000222143	5167
5168	0.000143809	0.000128878	0.000292369	0.00015956	0.000218333	0.000141965	0.000127518	0.000295671	0.00015956	0.000224948	5168
5169	0.000151495	0.000135769	0.000307954	0.000168007	0.000222792	0.000149517	0.000134302	0.000311385	0.000168007	0.000229833	5169
5170	0.000162657	0.000145783	0.000330537	0.000180356	0.000223135	0.000160522	0.000144197	0.000334207	0.000180356	0.000230168	5170
5171	0.000177245	0.000158752	0.000361243	0.00019689	0.000222095	0.000175054	0.000157161	0.000365424	0.00019689	0.000228988	5171
5172	0.000194443	0.000173861	0.000399224	0.00021739	0.000214526	0.000192595	0.000172672	0.000404558	0.00021739	0.000222625	5172
5173	0.000210767	0.000188276	0.000434539	0.000236521	0.000215836	0.000209114	0.000187338	0.000440794	0.000236521	0.000224091	5173
5174	0.000228378	0.000203729	0.000473613	0.000257685	0.000212872	0.000227148	0.000203274	0.000481146	0.000257685	0.000220819	5174
5175	0.000241537	0.000215366	0.000501915	0.000273207	0.000212733	0.000240513	0.00021516	0.000510255	0.000273207	0.000218636	5175
5176	0.000247974	0.000221138	0.000514975	0.000280321	0.000201552	0.000246856	0.000220859	0.000523446	0.000280321	0.000206259	5176
5177	0.000251799	0.00022475	0.000520911	0.000284122	0.000192961	0.000250477	0.000224273	0.000529261	0.000284122	0.000196781	5177
5178	0.000249767	0.00022313	0.000514784	0.000279213	0.000187832	0.000247334	0.000221559	0.000521559	0.000279213	0.000191137	5178
5179	0.000245062	0.000219308	0.000501299	0.000269249	0.000171042	0.000240666	0.000215798	0.000505246	0.000269249	0.000176641	5179
5180	0.000232773	0.000208781	0.000471478	0.000252465	0.000153978	0.000227243	0.000204106	0.000473404	0.000252465	0.000161634	5180
5181	0.000214866	0.000193346	0.000428972	0.000228952	0.000139305	0.000208272	0.000187446	0.000429837	0.000228952	0.00014743	5181
5182	0.000189667	0.000171355	0.000371853	0.000198858	0.000127908	0.000182769	0.000164947	0.000372387	0.000198858	0.000136677	5182
5183	0.000164262	0.000148473	0.000321353	0.00017241	0.000123351	0.000158439	0.000143036	0.00032231	0.00017241	0.000131661	5183
5184	0.000143995	0.000130145	0.000281791	0.000152646	0.000121316	0.000139607	0.000126048	0.000283862	0.000152646	0.000129419	5184
5185	0.000126415	0.000114178	0.000248171	0.000135821	0.000121072	0.000123398	0.000111369	0.000251377	0.000135821	0.000129162	5185
5186	0.000117624	0.000106233	0.000230954	0.000127232	0.000122895	0.000115224	0.000104	0.000234636	0.000127232	0.000131225	5186
5187	0.000111511	0.000100802	0.000218063	0.000120712	0.000130933	0.000109317	9.87466E-05	0.000221775	0.000120712	0.000140161	5187
5188	0.000112136	0.000101421	0.000218742	0.000121534	0.000144164	0.000110004	9.94247E-05	0.000222563	0.000121534	0.00015484	5188
5189	0.000119648	0.000108208	0.000233472	0.000129622	0.000158237	0.000117323	0.000106042	0.000237334	0.000129622	0.000170428	5189
5190	0.000128737	0.000116398	0.000251505	0.000139059	0.000164256	0.000126017	0.000113874	0.000255202	0.000139059	0.000177273	5190
5191	0.000133129	0.000119946	0.000264293	0.00014512	0.000215858	0.000130604	0.000117752	0.000267337	0.00014512	0.000222143	5191
5192	0.000143809	0.000128878	0.000292369	0.00015956	0.000218333	0.000141965	0.000127518	0.000295671	0.00015956	0.000224948	5192
5193	0.000151495	0.000135769	0.000307954	0.000168007	0.000222792	0.000149517	0.000134302	0.000311385	0.000168007	0.000229833	5193
5194	0.000162657	0.000145783	0.000330537	0.000180356	0.000223135	0.000160522	0.000144197	0.000334207	0.000180356	0.000230168	5194
5195	0.000177245	0.000158752	0.000361243	0.00019689	0.000222095	0.000175054	0.000157161	0.000365424	0.00019689	0.000228988	5195
5196	0.000194443	0.000173861	0.000399224	0.00021739	0.000214526	0.000192595	0.000172672	0.000404558	0.00021739	0.000222625	5196
5197	0.000210767	0.000188276	0.000434539	0.000236521	0.000215836	0.000209114	0.000187338	0.000440794	0.000236521	0.000224091	5197
5198	0.000228378	0.000203729	0.000473613	0.000257685	0.000212872	0.000227148	0.000203274	0.000481146	0.000257685	0.000220819	5198
5199	0.000241537	0.000215366	0.000501915	0.000273207	0.000212733	0.000240513	0.00021516	0.000510255	0.000273207	0.000218636	5199
5200	0.000247974	0.000221138	0.000514975	0.000280321	0.000201552	0.000246856	0.000220859	0.000523446	0.000280321	0.000206259	5200
5201	0.000251799	0.00022475	0.000520911	0.000284122	0.000192961	0.000250477	0.000224273	0.000529261	0.000284122	0.000196781	5201
5202	0.000249767	0.00022313	0.000514784	0.000279213	0.000187832	0.000247334	0.000221559	0.000521559	0.000279213	0.000191137	5202
5203	0.000245062	0.000219308	0.000501299	0.000269249	0.000171042	0.000240666	0.000215798	0.000505246	0.000269249	0.000176641	5203
5204	0.000232773	0.000208781	0.000471478	0.000252465	0.000153978	0.000227243	0.000204106	0.000473404	0.000252465	0.000161634	5204
5205	0.000214866	0.000193346	0.000428972	0.000228952	0.000139305	0.000208272	0.000187446	0.000429837	0.000228952	0.00014743	5205
5206	0.000189667	0.000171355	0.000371853	0.000198858	0.000127908	0.000182769	0.000164947	0.000372387	0.000198858	0.000136677	5206
5207	0.000164262	0.000148473	0.000321353	0.00017241	0.000123351	0.000158439	0.000143036	0.00032231	0.00017241	0.000131661	5207
5208	0.000143995	0.000130145	0.000281791	0.000152646	0.000121316	0.000139607	0.000126048	0.000283862	0.000152646	0.000129419	5208
5209	0.000126415	0.000114178	0.000248171	0.000135821	0.000121072	0.000123398	0.000111369	0.000251377	0.000135821	0.000129162	5209
5210	0.000117624	0.000106233	0.000230954	0.000127232	0.000122895	0.000115224	0.000104	0.000234636	0.000127232	0.000131225	5210
5211	0.000111511	0.000100802	0.000218063	0.000120712	0.000130933	0.000109317	9.87466E-05	0.000221775	0.000120712	0.000140161	5211
5212	0.000112136	0.000101421	0.000218742	0.000121534	0.000144164	0.000110004	9.94247E-05	0.000222563	0.000121534	0.00015484	5212
5213	0.000119648	0.000108208	0.000233472	0.000129622	0.000158237	0.000117323	0.000106042	0.000237334	0.000129622	0.000170428	5213
5214	0.000128737	0.000116398	0.000251505	0.000139059	0.000164256	0.000126017	0.000113874	0.000255202	0.000139059	0.000177273	5214
5215	0.000133129	0.000119946	0.000264293	0.00014512	0.000215858	0.000130604	0.000117752	0.000267337	0.00014512	0.000222143	5215
5216	0.000143809	0.000128878	0.000292369	0.00015956	0.000218333	0.000141965	0.000127518	0.000295671	0.00015956	0.000224948	5216
5217	0.000151495	0.000135769	0.000307954	0.000168007	0.000222792	0.000149517	0.000134302	0.000311385	0.000168007	0.000229833	5217
5218	0.000162657	0.000145783	0.000330537	0.000180356	0.000223135	0.000160522	0.000144197	0.000334207	0.000180356	0.000230168	5218
5219	0.000177245	0.000158752	0.000361243	0.00019689	0.000222095	0.000175054	0.000157161	0.000365424	0.00019689	0.000228988	5219
5220	0.000194443	0.000173861	0.000399224	0.00021739	0.000214526	0.000192595	0.000172672	0.000404558	0.00021739	0.000222625	5220
5221	0.000210767	0.000188276	0.000434539	0.000236521	0.000215836	0.000209114	0.000187338	0.000440794	0.000236521	0.000224091	5221
5222	0.000228378	0.000203729	0.000473613	0.000257685	0.000212872	0.000227148	0.000203274	0.000481146	0.000257685	0.000220819	5222
5223	0.000241537	0.000215366	0.000501915	0.000273207	0.000212733	0.000240513	0.00021516	0.000510255	0.000273207	0.000218636	5223
5224	0.000247974	0.000221138	0.000514975	0.000280321	0.000201552	0.000246856	0.000220859	0.000523446	0.000280321	0.000206259	5224
5225	0.000251799	0.00022475	0.000520911	0.000284122	0.000192961	0.000250477	0.000224273	0.000529261	0.000284122	0.000196781	5225
5226	0.000249767	0.00022313	0.000514784	0.000279213	0.000187832	0.000247334	0.000221559	0.000521559	0.000279213	0.000191137	5226
5227	0.000245062	0.000219308	0.000501299	0.000269249	0.000171042	0.000240666	0.000215798	0.000505246	0.000269249	0.000176641	5227
5228	0.000232773	0.000208781	0.000471478	0.000252465	0.000153978	0.000227243	0.000204106	0.000473404	0.000252465	0.000161634	5228
5229	0.000214866	0.000193346	0.000428972	0.000228952	0.000139305	0.000208272	0.000187446	0.000429837	0.000228952	0.00014743	5229
5230	0.000189667	0.000171355	0.000371853	0.000198858	0.000127908	0.000182769	0.000164947	0.000372387	0.000198858	0.000136677	5230
5231	0.000164262	0.000148473	0.000321353	0.00017241	0.000123351	0.000158439	0.000143036	0.00032231	0.00017241	0.000131661	5231
5232	0.000143995	0.000130145	0.000281791	0.000152646	0.000121316	0.000139607	0.000126048	0.000283862	0.000152646	0.000129419	5232
5233	0.00012577	0.000113612	0.000246723	0.000135062	0.000121239	0.000122745	0.000110794	0.000249892	0.000135062	0.000129338	5233
5234	0.000116943	0.000105629	0.000229508	0.000126439	0.000122589	0.000114536	0.000103387	0.000233153	0.000126439	0.000130888	5234
5235	0.000110735	0.000100116	0.000216392	0.000119806	0.000130663	0.000108533	9.805E-05	0.000220061	0.000119806	0.000139866	5235

5236	0.000111573	0.000100923	0.000217529	0.000120876	0.000143907	0.000109435	9.89189E-05	0.000221319	0.000120876	0.000154558	**5236**
5237	0.000119244	0.000107851	0.000232597	0.000129149	0.000157987	0.000116914	0.00010568	0.000236437	0.000129149	0.000170153	**5237**
5238	0.000128642	0.000116312	0.000251318	0.00013895	0.000164258	0.000125922	0.000113788	0.00025501	0.00013895	0.000177276	**5238**
5239	0.000134491	0.000121452	0.000264221	0.000145172	0.000215351	0.000131469	0.000118705	0.000267263	0.000145172	0.000221582	**5239**
5240	0.00014331	0.000128435	0.000291302	0.000158978	0.000218098	0.00014146	0.000127068	0.000294576	0.000158978	0.00022469	**5240**
5241	0.000150662	0.000135027	0.000306216	0.00016704	0.000222558	0.000148676	0.00013355	0.000309604	0.00016704	0.00022958	**5241**
5242	0.000161342	0.000144617	0.00032775	0.000178826	0.000222718	0.000159195	0.000143014	0.000331349	0.000178826	0.000229715	**5242**
5243	0.000175274	0.000156998	0.000357103	0.000194598	0.00022161	0.000173065	0.000155383	0.00036118	0.000194598	0.000228462	**5243**
5244	0.000192091	0.000171764	0.000394331	0.000214661	0.000214067	0.000190222	0.000170547	0.000399543	0.000214661	0.000222127	**5244**
5245	0.000207342	0.00018524	0.000427232	0.000232528	0.000215293	0.000205655	0.000184258	0.000433303	0.000232528	0.0002235	**5245**
5246	0.000223912	0.000199786	0.000463948	0.000252465	0.000212191	0.000222635	0.000199268	0.000471237	0.000252465	0.000220076	**5246**
5247	0.000236839	0.000211218	0.000491744	0.000267716	0.000212222	0.000235766	0.000210946	0.000499829	0.000267716	0.000218082	**5247**
5248	0.000243183	0.000216914	0.000504546	0.000274715	0.000201049	0.000242013	0.000216565	0.000512754	0.000274715	0.000205715	**5248**
5249	0.000247142	0.000220634	0.000510882	0.000278685	0.000192445	0.000245772	0.000220093	0.000518979	0.000278685	0.000196223	**5249**
5250	0.000244743	0.000218696	0.000503894	0.000273339	0.000187284	0.000242257	0.000217053	0.000510394	0.000273339	0.000190544	**5250**
5251	0.000240808	0.000215545	0.000492158	0.000264284	0.000170433	0.000236369	0.000211977	0.000495875	0.000264284	0.00017598	**5251**
5252	0.000228813	0.00020528	0.000462953	0.000247842	0.000153352	0.000223242	0.00020055	0.000464666	0.000247842	0.000160955	**5252**
5253	0.000209811	0.000188568	0.000421167	0.000224596	0.000138616	0.000203677	0.000183171	0.000421837	0.000224596	0.00014668	**5253**
5254	0.000186568	0.000168612	0.000365219	0.000195244	0.000127125	0.00017964	0.000162162	0.000365586	0.000195244	0.000135824	**5254**
5255	0.000161855	0.000146336	0.00031626	0.000169609	0.000122638	0.000156009	0.000140869	0.000317089	0.000169609	0.000130883	**5255**
5256	0.000142616	0.000128917	0.000278913	0.000151046	0.000121017	0.000138216	0.000124804	0.000280912	0.000151046	0.000129094	**5256**
5257	0.00012577	0.000113612	0.000246723	0.000135062	0.000121239	0.000122745	0.000110794	0.000249892	0.000135062	0.000129338	**5257**
5258	0.000116943	0.000105629	0.000229508	0.000126439	0.000122589	0.000114536	0.000103387	0.000233153	0.000126439	0.000130888	**5258**
5259	0.000110735	0.000100116	0.000216392	0.000119806	0.000130663	0.000108533	9.805E-05	0.000220061	0.000119806	0.000139866	**5259**
5260	0.000111573	0.000100923	0.000217529	0.000120876	0.000143907	0.000109435	9.89189E-05	0.000221319	0.000120876	0.000154558	**5260**
5261	0.000119244	0.000107851	0.000232597	0.000129149	0.000157987	0.000116914	0.00010568	0.000236437	0.000129149	0.000170153	**5261**
5262	0.000128642	0.000116312	0.000251318	0.00013895	0.000164258	0.000125922	0.000113788	0.00025501	0.00013895	0.000177276	**5262**
5263	0.000134491	0.000121452	0.000264221	0.000145172	0.000215351	0.000131469	0.000118705	0.000267263	0.000145172	0.000221582	**5263**
5264	0.00014331	0.000128435	0.000291302	0.000158978	0.000218098	0.00014146	0.000127068	0.000294576	0.000158978	0.00022469	**5264**
5265	0.000150662	0.000135027	0.000306216	0.00016704	0.000222558	0.000148676	0.00013355	0.000309604	0.00016704	0.00022958	**5265**
5266	0.000161342	0.000144617	0.00032775	0.000178826	0.000222718	0.000159195	0.000143014	0.000331349	0.000178826	0.000229715	**5266**
5267	0.000175274	0.000156998	0.000357103	0.000194598	0.00022161	0.000173065	0.000155383	0.00036118	0.000194598	0.000228462	**5267**
5268	0.000192091	0.000171764	0.000394331	0.000214661	0.000214067	0.000190222	0.000170547	0.000399543	0.000214661	0.000222127	**5268**
5269	0.000207342	0.00018524	0.000427232	0.000232528	0.000215293	0.000205655	0.000184258	0.000433303	0.000232528	0.0002235	**5269**
5270	0.000223912	0.000199786	0.000463948	0.000252465	0.000212191	0.000222635	0.000199268	0.000471237	0.000252465	0.000220076	**5270**
5271	0.000236839	0.000211218	0.000491744	0.000267716	0.000212222	0.000235766	0.000210946	0.000499829	0.000267716	0.000218082	**5271**
5272	0.000243183	0.000216914	0.000504546	0.000274715	0.000201049	0.000242013	0.000216565	0.000512754	0.000274715	0.000205715	**5272**
5273	0.000247142	0.000220634	0.000510882	0.000278685	0.000192445	0.000245772	0.000220093	0.000518979	0.000278685	0.000196223	**5273**
5274	0.000244743	0.000218696	0.000503894	0.000273339	0.000187284	0.000242257	0.000217053	0.000510394	0.000273339	0.000190544	**5274**
5275	0.000240808	0.000215545	0.000492158	0.000264284	0.000170433	0.000236369	0.000211977	0.000495875	0.000264284	0.00017598	**5275**
5276	0.000228813	0.00020528	0.000462953	0.000247842	0.000153352	0.000223242	0.00020055	0.000464666	0.000247842	0.000160955	**5276**
5277	0.000209811	0.000188568	0.000421167	0.000224596	0.000138616	0.000203677	0.000183171	0.000421837	0.000224596	0.00014668	**5277**
5278	0.000186568	0.000168612	0.000365219	0.000195244	0.000127125	0.00017964	0.000162162	0.000365586	0.000195244	0.000135824	**5278**
5279	0.000161855	0.000146336	0.00031626	0.000169609	0.000122638	0.000156009	0.000140869	0.000317089	0.000169609	0.000130883	**5279**
5280	0.000142616	0.000128917	0.000278913	0.000151046	0.000121017	0.000138216	0.000124804	0.000280912	0.000151046	0.000129094	**5280**
5281	0.000126415	0.000114178	0.000248171	0.000135821	0.000121072	0.000123398	0.000111369	0.000251377	0.000135821	0.000129162	**5281**
5282	0.000117624	0.000106233	0.000230954	0.000127232	0.000122895	0.000115224	0.000104	0.000234636	0.000127232	0.000131225	**5282**
5283	0.000111511	0.000100802	0.000218063	0.000120712	0.000130933	0.000109317	9.87466E-05	0.000221775	0.000120712	0.000140161	**5283**
5284	0.000112136	0.000101421	0.000218742	0.000121534	0.000144164	0.000110004	9.94247E-05	0.000222563	0.000121534	0.00015484	**5284**
5285	0.000119648	0.000108208	0.000233472	0.000129622	0.000158237	0.000117323	0.000106042	0.000237334	0.000129622	0.000170428	**5285**
5286	0.000128737	0.000116398	0.000251505	0.000139059	0.000164256	0.000126017	0.000113874	0.000255202	0.000139059	0.000177273	**5286**
5287	0.000133129	0.000119946	0.000264293	0.00014512	0.000215858	0.000130604	0.000117752	0.000267337	0.00014512	0.000222143	**5287**
5288	0.000143809	0.000128878	0.000292369	0.00015956	0.000218333	0.000141965	0.000127518	0.000295671	0.00015956	0.000224948	**5288**
5289	0.000151495	0.000135769	0.000307954	0.000168007	0.000222792	0.000149517	0.000134302	0.000311385	0.000168007	0.000229833	**5289**
5290	0.000162657	0.000145783	0.000330537	0.000180356	0.000223135	0.000160522	0.000144197	0.000334207	0.000180356	0.000230168	**5290**
5291	0.000177245	0.000158752	0.000361243	0.00019689	0.000222095	0.000175054	0.000157161	0.000365424	0.00019689	0.000228988	**5291**
5292	0.000194443	0.000173861	0.000399224	0.00021739	0.000214526	0.000192595	0.000172672	0.000404558	0.00021739	0.000222625	**5292**
5293	0.000210767	0.000188276	0.000434539	0.000236521	0.000215836	0.000209114	0.000187338	0.000440794	0.000236521	0.000224091	**5293**
5294	0.000228378	0.000203729	0.000473613	0.000257685	0.000212872	0.000227148	0.000203274	0.000481146	0.000257685	0.000220819	**5294**
5295	0.000241537	0.000215366	0.000501915	0.000273207	0.000212733	0.000240513	0.00021516	0.000510255	0.000273207	0.000218636	**5295**
5296	0.000247974	0.000221138	0.000514975	0.000280321	0.000201552	0.000246856	0.000220859	0.000523446	0.000280321	0.000206259	**5296**
5297	0.000251799	0.00022475	0.000520911	0.000284122	0.000192961	0.000250477	0.000224273	0.000529261	0.000284122	0.000196781	**5297**
5298	0.000249767	0.00022313	0.000514784	0.000279213	0.000187832	0.000247334	0.000221559	0.000521559	0.000279213	0.000191137	**5298**
5299	0.000245062	0.000219308	0.000501299	0.000269249	0.000171042	0.000240666	0.000215798	0.000505246	0.000269249	0.000176641	**5299**
5300	0.000232773	0.000208781	0.000471478	0.000252465	0.000153978	0.000227243	0.000204106	0.000473404	0.000252465	0.000161634	**5300**
5301	0.000214866	0.000193346	0.000428972	0.000228952	0.000139305	0.000208272	0.000187446	0.000429837	0.000228952	0.00014743	**5301**
5302	0.000189667	0.000171355	0.000371853	0.000198858	0.000127908	0.000182769	0.000164947	0.000372387	0.000198858	0.000136677	**5302**
5303	0.000164262	0.000148473	0.000321353	0.00017241	0.000123351	0.000158439	0.000143036	0.00032231	0.00017241	0.000131661	**5303**
5304	0.000143995	0.000130145	0.000281791	0.000152646	0.000121316	0.000139607	0.000126048	0.000283862	0.000152646	0.000129419	**5304**
5305	0.000126415	0.000114178	0.000248171	0.000135821	0.000121072	0.000123398	0.000111369	0.000251377	0.000135821	0.000129162	**5305**
5306	0.000117624	0.000106233	0.000230954	0.000127232	0.000122895	0.000115224	0.000104	0.000234636	0.000127232	0.000131225	**5306**
5307	0.000111511	0.000100802	0.000218063	0.000120712	0.000130933	0.000109317	9.87466E-05	0.000221775	0.000120712	0.000140161	**5307**
5308	0.000112136	0.000101421	0.000218742	0.000121534	0.000144164	0.000110004	9.94247E-05	0.000222563	0.000121534	0.00015484	**5308**
5309	0.000119648	0.000108208	0.000233472	0.000129622	0.000158237	0.000117323	0.000106042	0.000237334	0.000129622	0.000170428	**5309**
5310	0.000128737	0.000116398	0.000251505	0.000139059	0.000164256	0.000126017	0.000113874	0.000255202	0.000139059	0.000177273	**5310**
5311	0.000133129	0.000119946	0.000264293	0.00014512	0.000215858	0.000130604	0.000117752	0.000267337	0.00014512	0.000222143	**5311**

5312	0.000143809	0.000128878	0.000292369	0.00015956	0.000218333	0.000141965	0.000127518	0.000295671	0.00015956	0.000224948	5312
5313	0.000151495	0.000135769	0.000307954	0.000168007	0.000222792	0.000149517	0.000134302	0.000311385	0.000168007	0.000229833	5313
5314	0.000162657	0.000145783	0.000330537	0.000180356	0.000223135	0.000160522	0.000144197	0.000334207	0.000180356	0.000230168	5314
5315	0.000177245	0.000158752	0.000361243	0.00019689	0.000222095	0.000175054	0.000157161	0.000365424	0.00019689	0.000228988	5315
5316	0.000194443	0.000173861	0.000399224	0.00021739	0.000214526	0.000192595	0.000172672	0.000404558	0.00021739	0.000222625	5316
5317	0.000210767	0.000188276	0.000434539	0.000236521	0.000215836	0.000209114	0.000187338	0.000440794	0.000236521	0.000224091	5317
5318	0.000228378	0.000203729	0.000473613	0.000257685	0.000212872	0.000227148	0.000203274	0.000481146	0.000257685	0.000220819	5318
5319	0.000241537	0.000215366	0.000501915	0.000273207	0.000212733	0.000240513	0.00021516	0.000510255	0.000273207	0.000218636	5319
5320	0.000247974	0.000221138	0.000514975	0.000280321	0.000201552	0.000246856	0.000220859	0.000523446	0.000280321	0.000206259	5320
5321	0.000251799	0.00022475	0.000520911	0.000284122	0.000192961	0.000250477	0.000224273	0.000529261	0.000284122	0.000196781	5321
5322	0.000249767	0.00022313	0.000514784	0.000279213	0.000187832	0.000247334	0.000221559	0.000521559	0.000279213	0.000191137	5322
5323	0.000245062	0.000219308	0.000501299	0.000269249	0.000171042	0.000240666	0.000215798	0.000505246	0.000269249	0.000176641	5323
5324	0.000232773	0.000208781	0.000471478	0.000252465	0.000153978	0.000227243	0.000204106	0.000473404	0.000252465	0.000161634	5324
5325	0.000214866	0.000193346	0.000428972	0.000228952	0.000139305	0.000208272	0.000187446	0.000429837	0.000228952	0.00014743	5325
5326	0.000189667	0.000171355	0.000371853	0.000198858	0.000127908	0.000182769	0.000164947	0.000372387	0.000198858	0.000136677	5326
5327	0.000164262	0.000148473	0.000321353	0.00017241	0.000123351	0.000158439	0.000143036	0.00032231	0.00017241	0.000131661	5327
5328	0.000143995	0.000130145	0.000281791	0.000152646	0.000121316	0.000139607	0.000126048	0.000283862	0.000152646	0.000129419	5328
5329	0.000126415	0.000114178	0.000248171	0.000135821	0.000121072	0.000123398	0.000111369	0.000251377	0.000135821	0.000129162	5329
5330	0.000117624	0.000106233	0.000230954	0.000127232	0.000122895	0.000115224	0.000104	0.000234636	0.000127232	0.000131225	5330
5331	0.000111511	0.000100802	0.000218063	0.000120712	0.000130933	0.000109317	9.87466E-05	0.000221775	0.000120712	0.000140161	5331
5332	0.000112136	0.000101421	0.000218742	0.000121534	0.000144164	0.000110004	9.94247E-05	0.000222563	0.000121534	0.00015484	5332
5333	0.000119648	0.000108208	0.000233472	0.000129622	0.000158237	0.000117323	0.000106042	0.000237334	0.000129622	0.000170428	5333
5334	0.000128737	0.000116398	0.000251505	0.000139059	0.000164256	0.000126017	0.000113874	0.000255202	0.000139059	0.000177273	5334
5335	0.000133129	0.000119946	0.000264293	0.00014512	0.000215858	0.000130604	0.000117752	0.000267337	0.00014512	0.000222143	5335
5336	0.000143809	0.000128878	0.000292369	0.00015956	0.000218333	0.000141965	0.000127518	0.000295671	0.00015956	0.000224948	5336
5337	0.000151495	0.000135769	0.000307954	0.000168007	0.000222792	0.000149517	0.000134302	0.000311385	0.000168007	0.000229833	5337
5338	0.000162657	0.000145783	0.000330537	0.000180356	0.000223135	0.000160522	0.000144197	0.000334207	0.000180356	0.000230168	5338
5339	0.000177245	0.000158752	0.000361243	0.00019689	0.000222095	0.000175054	0.000157161	0.000365424	0.00019689	0.000228988	5339
5340	0.000194443	0.000173861	0.000399224	0.00021739	0.000214526	0.000192595	0.000172672	0.000404558	0.00021739	0.000222625	5340
5341	0.000210767	0.000188276	0.000434539	0.000236521	0.000215836	0.000209114	0.000187338	0.000440794	0.000236521	0.000224091	5341
5342	0.000228378	0.000203729	0.000473613	0.000257685	0.000212872	0.000227148	0.000203274	0.000481146	0.000257685	0.000220819	5342
5343	0.000241537	0.000215366	0.000501915	0.000273207	0.000212733	0.000240513	0.00021516	0.000510255	0.000273207	0.000218636	5343
5344	0.000247974	0.000221138	0.000514975	0.000280321	0.000201552	0.000246856	0.000220859	0.000523446	0.000280321	0.000206259	5344
5345	0.000251799	0.00022475	0.000520911	0.000284122	0.000192961	0.000250477	0.000224273	0.000529261	0.000284122	0.000196781	5345
5346	0.000249767	0.00022313	0.000514784	0.000279213	0.000187832	0.000247334	0.000221559	0.000521559	0.000279213	0.000191137	5346
5347	0.000245062	0.000219308	0.000501299	0.000269249	0.000171042	0.000240666	0.000215798	0.000505246	0.000269249	0.000176641	5347
5348	0.000232773	0.000208781	0.000471478	0.000252465	0.000153978	0.000227243	0.000204106	0.000473404	0.000252465	0.000161634	5348
5349	0.000214866	0.000193346	0.000428972	0.000228952	0.000139305	0.000208272	0.000187446	0.000429837	0.000228952	0.00014743	5349
5350	0.000189667	0.000171355	0.000371853	0.000198858	0.000127908	0.000182769	0.000164947	0.000372387	0.000198858	0.000136677	5350
5351	0.000164262	0.000148473	0.000321353	0.00017241	0.000123351	0.000158439	0.000143036	0.00032231	0.00017241	0.000131661	5351
5352	0.000143995	0.000130145	0.000281791	0.000152646	0.000121316	0.000139607	0.000126048	0.000283862	0.000152646	0.000129419	5352
5353	0.000126415	0.000114178	0.000248171	0.000135821	0.000121072	0.000123398	0.000111369	0.000251377	0.000135821	0.000129162	5353
5354	0.000117624	0.000106233	0.000230954	0.000127232	0.000122895	0.000115224	0.000104	0.000234636	0.000127232	0.000131225	5354
5355	0.000111511	0.000100802	0.000218063	0.000120712	0.000130933	0.000109317	9.87466E-05	0.000221775	0.000120712	0.000140161	5355
5356	0.000112136	0.000101421	0.000218742	0.000121534	0.000144164	0.000110004	9.94247E-05	0.000222563	0.000121534	0.00015484	5356
5357	0.000119648	0.000108208	0.000233472	0.000129622	0.000158237	0.000117323	0.000106042	0.000237334	0.000129622	0.000170428	5357
5358	0.000128737	0.000116398	0.000251505	0.000139059	0.000164256	0.000126017	0.000113874	0.000255202	0.000139059	0.000177273	5358
5359	0.000133129	0.000119946	0.000264293	0.00014512	0.000215858	0.000130604	0.000117752	0.000267337	0.00014512	0.000222143	5359
5360	0.000143809	0.000128878	0.000292369	0.00015956	0.000218333	0.000141965	0.000127518	0.000295671	0.00015956	0.000224948	5360
5361	0.000151495	0.000135769	0.000307954	0.000168007	0.000222792	0.000149517	0.000134302	0.000311385	0.000168007	0.000229833	5361
5362	0.000162657	0.000145783	0.000330537	0.000180356	0.000223135	0.000160522	0.000144197	0.000334207	0.000180356	0.000230168	5362
5363	0.000177245	0.000158752	0.000361243	0.00019689	0.000222095	0.000175054	0.000157161	0.000365424	0.00019689	0.000228988	5363
5364	0.000194443	0.000173861	0.000399224	0.00021739	0.000214526	0.000192595	0.000172672	0.000404558	0.00021739	0.000222625	5364
5365	0.000210767	0.000188276	0.000434539	0.000236521	0.000215836	0.000209114	0.000187338	0.000440794	0.000236521	0.000224091	5365
5366	0.000228378	0.000203729	0.000473613	0.000257685	0.000212872	0.000227148	0.000203274	0.000481146	0.000257685	0.000220819	5366
5367	0.000241537	0.000215366	0.000501915	0.000273207	0.000212733	0.000240513	0.00021516	0.000510255	0.000273207	0.000218636	5367
5368	0.000247974	0.000221138	0.000514975	0.000280321	0.000201552	0.000246856	0.000220859	0.000523446	0.000280321	0.000206259	5368
5369	0.000251799	0.00022475	0.000520911	0.000284122	0.000192961	0.000250477	0.000224273	0.000529261	0.000284122	0.000196781	5369
5370	0.000249767	0.00022313	0.000514784	0.000279213	0.000187832	0.000247334	0.000221559	0.000521559	0.000279213	0.000191137	5370
5371	0.000245062	0.000219308	0.000501299	0.000269249	0.000171042	0.000240666	0.000215798	0.000505246	0.000269249	0.000176641	5371
5372	0.000232773	0.000208781	0.000471478	0.000252465	0.000153978	0.000227243	0.000204106	0.000473404	0.000252465	0.000161634	5372
5373	0.000214866	0.000193346	0.000428972	0.000228952	0.000139305	0.000208272	0.000187446	0.000429837	0.000228952	0.00014743	5373
5374	0.000189667	0.000171355	0.000371853	0.000198858	0.000127908	0.000182769	0.000164947	0.000372387	0.000198858	0.000136677	5374
5375	0.000164262	0.000148473	0.000321353	0.00017241	0.000123351	0.000158439	0.000143036	0.00032231	0.00017241	0.000131661	5375
5376	0.000143995	0.000130145	0.000281791	0.000152646	0.000121316	0.000139607	0.000126048	0.000283862	0.000152646	0.000129419	5376
5377	0.000126415	0.000114178	0.000248171	0.000135821	0.000121072	0.000123398	0.000111369	0.000251377	0.000135821	0.000129162	5377
5378	0.000117624	0.000106233	0.000230954	0.000127232	0.000122895	0.000115224	0.000104	0.000234636	0.000127232	0.000131225	5378
5379	0.000111511	0.000100802	0.000218063	0.000120712	0.000130933	0.000109317	9.87466E-05	0.000221775	0.000120712	0.000140161	5379
5380	0.000112136	0.000101421	0.000218742	0.000121534	0.000144164	0.000110004	9.94247E-05	0.000222563	0.000121534	0.00015484	5380
5381	0.000119648	0.000108208	0.000233472	0.000129622	0.000158237	0.000117323	0.000106042	0.000237334	0.000129622	0.000170428	5381
5382	0.000128737	0.000116398	0.000251505	0.000139059	0.000164256	0.000126017	0.000113874	0.000255202	0.000139059	0.000177273	5382
5383	0.000133129	0.000119946	0.000264293	0.00014512	0.000215858	0.000130604	0.000117752	0.000267337	0.00014512	0.000222143	5383
5384	0.000143809	0.000128878	0.000292369	0.00015956	0.000218333	0.000141965	0.000127518	0.000295671	0.00015956	0.000224948	5384
5385	0.000151495	0.000135769	0.000307954	0.000168007	0.000222792	0.000149517	0.000134302	0.000311385	0.000168007	0.000229833	5385
5386	0.000162657	0.000145783	0.000330537	0.000180356	0.000223135	0.000160522	0.000144197	0.000334207	0.000180356	0.000230168	5386
5387	0.000177245	0.000158752	0.000361243	0.00019689	0.000222095	0.000175054	0.000157161	0.000365424	0.00019689	0.000228988	5387

5388	0.000194443	0.000173861	0.000399224	0.00021739	0.000214526	0.000192595	0.000172672	0.000404558	0.00021739	0.000222625	5388
5389	0.000210767	0.000188276	0.000434539	0.000236521	0.000215836	0.000209114	0.000187338	0.000440794	0.000236521	0.000224091	5389
5390	0.000228378	0.000203729	0.000473613	0.000257685	0.000212872	0.000227148	0.000203274	0.000481146	0.000257685	0.000220819	5390
5391	0.000241537	0.000215366	0.000501915	0.000273207	0.000212733	0.000240513	0.00021516	0.000510255	0.000273207	0.000218636	5391
5392	0.000247974	0.000221138	0.000514975	0.000280321	0.000201552	0.000246856	0.000220859	0.000523446	0.000280321	0.000206259	5392
5393	0.000251799	0.00022475	0.000520911	0.000284122	0.000192961	0.000250477	0.000224273	0.000529261	0.000284122	0.000196781	5393
5394	0.000249767	0.00022313	0.000514784	0.000279213	0.000187832	0.000247334	0.000221559	0.000521559	0.000279213	0.000191137	5394
5395	0.000245062	0.000219308	0.000501299	0.000269249	0.000171042	0.000240666	0.000215798	0.000505246	0.000269249	0.000176641	5395
5396	0.000232773	0.000208781	0.000471478	0.000252465	0.000153978	0.000227243	0.000204106	0.000473404	0.000252465	0.000161634	5396
5397	0.000214866	0.000193346	0.000428972	0.000228952	0.000139305	0.000208272	0.000187446	0.000429837	0.000228952	0.00014743	5397
5398	0.000189667	0.000171355	0.000371853	0.000198858	0.000127908	0.000182769	0.000164947	0.000372387	0.000198858	0.000136677	5398
5399	0.000164262	0.000148473	0.000321353	0.00017241	0.000123351	0.000158439	0.000143036	0.00032231	0.00017241	0.000131661	5399
5400	0.000143995	0.000130145	0.000281791	0.000152646	0.000121316	0.000139607	0.000126048	0.000283862	0.000152646	0.000129419	5400
5401	0.00012577	0.000113612	0.000246723	0.000135062	0.000121239	0.000122745	0.000110794	0.000249892	0.000135062	0.000129338	5401
5402	0.000116943	0.000105629	0.000229508	0.000126439	0.000122589	0.000114536	0.000103387	0.000233153	0.000126439	0.000130888	5402
5403	0.000110735	0.000100116	0.000216392	0.000119806	0.000130663	0.000108533	9.805E-05	0.000220061	0.000119806	0.000139866	5403
5404	0.000111573	0.000100923	0.000217529	0.000120876	0.000143907	0.000109435	9.89189E-05	0.000221319	0.000120876	0.000154558	5404
5405	0.000119244	0.000107851	0.000232597	0.000129149	0.000157987	0.000116914	0.00010568	0.000236437	0.000129149	0.000170153	5405
5406	0.000128642	0.000116312	0.000251318	0.00013895	0.000164258	0.000125922	0.000113788	0.00025501	0.00013895	0.000177276	5406
5407	0.000134491	0.000121452	0.000264221	0.000145172	0.000215351	0.000131469	0.000118705	0.000267263	0.000145172	0.000221582	5407
5408	0.00014331	0.000128435	0.000291302	0.000158978	0.000218098	0.00014146	0.000127068	0.000294576	0.000158978	0.00022469	5408
5409	0.000150662	0.000135027	0.000306216	0.00016704	0.000222558	0.000148676	0.00013355	0.000309604	0.00016704	0.00022958	5409
5410	0.000161342	0.000144617	0.00032775	0.000178826	0.000222718	0.000159195	0.000143014	0.000331349	0.000178826	0.000229715	5410
5411	0.000175274	0.000156998	0.000357103	0.000194598	0.00022161	0.000173065	0.000155383	0.00036118	0.000194598	0.000228462	5411
5412	0.000192091	0.000171764	0.000394331	0.000214661	0.000214067	0.000190222	0.000170547	0.000399543	0.000214661	0.000222127	5412
5413	0.000207342	0.00018524	0.000427232	0.000232528	0.000215293	0.000205655	0.000184258	0.000433303	0.000232528	0.0002235	5413
5414	0.000223912	0.000199786	0.000463948	0.000252465	0.000212191	0.000222635	0.000199268	0.000471237	0.000252465	0.000220076	5414
5415	0.000236839	0.000211218	0.000491744	0.000267716	0.000212222	0.000235766	0.000210946	0.000499829	0.000267716	0.000218082	5415
5416	0.000243183	0.000216914	0.000504546	0.000274715	0.000201049	0.000242013	0.000216565	0.000512754	0.000274715	0.000205715	5416
5417	0.000247142	0.000220634	0.000510882	0.000278685	0.000192445	0.000245772	0.000220093	0.000518979	0.000278685	0.000196223	5417
5418	0.000244743	0.000218696	0.000503894	0.000273339	0.000187284	0.000242257	0.000217053	0.000510394	0.000273339	0.000190544	5418
5419	0.000240808	0.000215545	0.000492158	0.000264284	0.000170433	0.000236369	0.000211977	0.000495875	0.000264284	0.00017598	5419
5420	0.000228813	0.00020528	0.000462953	0.000247842	0.000153352	0.000223242	0.00020055	0.000464666	0.000247842	0.000160955	5420
5421	0.000209811	0.000188568	0.000421167	0.000224596	0.000138616	0.000203677	0.000183171	0.000421837	0.000224596	0.00014668	5421
5422	0.000186568	0.000168612	0.000365219	0.000195244	0.000127125	0.00017964	0.000162162	0.000365586	0.000195244	0.000135824	5422
5423	0.000161855	0.000146336	0.00031626	0.000169609	0.000122638	0.000156009	0.000140869	0.000317089	0.000169609	0.000130883	5423
5424	0.000142616	0.000128917	0.000278913	0.000151046	0.000121017	0.000138216	0.000124804	0.000280912	0.000151046	0.000129094	5424
5425	0.00012577	0.000113612	0.000246723	0.000135062	0.000121239	0.000122745	0.000110794	0.000249892	0.000135062	0.000129338	5425
5426	0.000116943	0.000105629	0.000229508	0.000126439	0.000122589	0.000114536	0.000103387	0.000233153	0.000126439	0.000130888	5426
5427	0.000110735	0.000100116	0.000216392	0.000119806	0.000130663	0.000108533	9.805E-05	0.000220061	0.000119806	0.000139866	5427
5428	0.000111573	0.000100923	0.000217529	0.000120876	0.000143907	0.000109435	9.89189E-05	0.000221319	0.000120876	0.000154558	5428
5429	0.000119244	0.000107851	0.000232597	0.000129149	0.000157987	0.000116914	0.00010568	0.000236437	0.000129149	0.000170153	5429
5430	0.000128642	0.000116312	0.000251318	0.00013895	0.000164258	0.000125922	0.000113788	0.00025501	0.00013895	0.000177276	5430
5431	0.000134491	0.000121452	0.000264221	0.000145172	0.000215351	0.000131469	0.000118705	0.000267263	0.000145172	0.000221582	5431
5432	0.00014331	0.000128435	0.000291302	0.000158978	0.000218098	0.00014146	0.000127068	0.000294576	0.000158978	0.00022469	5432
5433	0.000150662	0.000135027	0.000306216	0.00016704	0.000222558	0.000148676	0.00013355	0.000309604	0.00016704	0.00022958	5433
5434	0.000161342	0.000144617	0.00032775	0.000178826	0.000222718	0.000159195	0.000143014	0.000331349	0.000178826	0.000229715	5434
5435	0.000175274	0.000156998	0.000357103	0.000194598	0.00022161	0.000173065	0.000155383	0.00036118	0.000194598	0.000228462	5435
5436	0.000192091	0.000171764	0.000394331	0.000214661	0.000214067	0.000190222	0.000170547	0.000399543	0.000214661	0.000222127	5436
5437	0.000207342	0.00018524	0.000427232	0.000232528	0.000215293	0.000205655	0.000184258	0.000433303	0.000232528	0.0002235	5437
5438	0.000223912	0.000199786	0.000463948	0.000252465	0.000212191	0.000222635	0.000199268	0.000471237	0.000252465	0.000220076	5438
5439	0.000236839	0.000211218	0.000491744	0.000267716	0.000212222	0.000235766	0.000210946	0.000499829	0.000267716	0.000218082	5439
5440	0.000243183	0.000216914	0.000504546	0.000274715	0.000201049	0.000242013	0.000216565	0.000512754	0.000274715	0.000205715	5440
5441	0.000247142	0.000220634	0.000510882	0.000278685	0.000192445	0.000245772	0.000220093	0.000518979	0.000278685	0.000196223	5441
5442	0.000244743	0.000218696	0.000503894	0.000273339	0.000187284	0.000242257	0.000217053	0.000510394	0.000273339	0.000190544	5442
5443	0.000240808	0.000215545	0.000492158	0.000264284	0.000170433	0.000236369	0.000211977	0.000495875	0.000264284	0.00017598	5443
5444	0.000228813	0.00020528	0.000462953	0.000247842	0.000153352	0.000223242	0.00020055	0.000464666	0.000247842	0.000160955	5444
5445	0.000209811	0.000188568	0.000421167	0.000224596	0.000138616	0.000203677	0.000183171	0.000421837	0.000224596	0.00014668	5445
5446	0.000186568	0.000168612	0.000365219	0.000195244	0.000127125	0.00017964	0.000162162	0.000365586	0.000195244	0.000135824	5446
5447	0.000161855	0.000146336	0.00031626	0.000169609	0.000122638	0.000156009	0.000140869	0.000317089	0.000169609	0.000130883	5447
5448	0.000142616	0.000128917	0.000278913	0.000151046	0.000121017	0.000138216	0.000124804	0.000280912	0.000151046	0.000129094	5448
5449	0.000126415	0.000114178	0.000248171	0.000135821	0.000121072	0.000123398	0.000111369	0.000251377	0.000135821	0.000129162	5449
5450	0.000117624	0.000106233	0.000230954	0.000127232	0.000122895	0.000115224	0.000104	0.000234636	0.000127232	0.000131225	5450
5451	0.000111511	0.000100802	0.000218063	0.000120712	0.000130933	0.000109317	9.87466E-05	0.000221775	0.000120712	0.000140161	5451
5452	0.000112136	0.000101421	0.000218742	0.000121534	0.000144164	0.000110004	9.94247E-05	0.000222563	0.000121534	0.00015484	5452
5453	0.000119648	0.000108208	0.000233472	0.000129622	0.000158237	0.000117323	0.000106042	0.000237334	0.000129622	0.000170428	5453
5454	0.000128737	0.000116398	0.000251505	0.000139059	0.000164256	0.000126017	0.000113874	0.000255202	0.000139059	0.000177273	5454
5455	0.000133129	0.000119946	0.000264293	0.00014512	0.000215858	0.000130604	0.000117752	0.000267337	0.00014512	0.000222143	5455
5456	0.000143809	0.000128878	0.000292369	0.00015956	0.000218333	0.000141965	0.000127518	0.000295671	0.00015956	0.000224948	5456
5457	0.000151495	0.000135769	0.000307954	0.000168007	0.000222792	0.000149517	0.000134302	0.000311385	0.000168007	0.000229833	5457
5458	0.000162657	0.000145783	0.000330537	0.000180356	0.000223135	0.000160522	0.000144197	0.000334207	0.000180356	0.000230168	5458
5459	0.000177245	0.000158752	0.000361243	0.00019689	0.000222095	0.000175054	0.000157161	0.000365424	0.00019689	0.000228988	5459
5460	0.000194443	0.000173861	0.000399224	0.00021739	0.000214526	0.000192595	0.000172672	0.000404558	0.00021739	0.000222625	5460
5461	0.000210767	0.000188276	0.000434539	0.000236521	0.000215836	0.000209114	0.000187338	0.000440794	0.000236521	0.000224091	5461
5462	0.000228378	0.000203729	0.000473613	0.000257685	0.000212872	0.000227148	0.000203274	0.000481146	0.000257685	0.000220819	5462
5463	0.000241537	0.000215366	0.000501915	0.000273207	0.000212733	0.000240513	0.00021516	0.000510255	0.000273207	0.000218636	5463

5464	0.000247974	0.000221138	0.000514975	0.000280321	0.000201552	0.000246856	0.000220859	0.000523446	0.000280321	0.000206259	**5464**
5465	0.000251799	0.00022475	0.000520911	0.000284122	0.000192961	0.000250477	0.000224273	0.000529261	0.000284122	0.000196781	**5465**
5466	0.000249767	0.00022313	0.000514784	0.000279213	0.000187832	0.000247334	0.000221559	0.000521559	0.000279213	0.000191137	**5466**
5467	0.000245062	0.000219308	0.000501299	0.000269249	0.000171042	0.000240666	0.000215798	0.000505246	0.000269249	0.000176641	**5467**
5468	0.000232773	0.000208781	0.000471478	0.000252465	0.000153978	0.000227243	0.000204106	0.000473404	0.000252465	0.000161634	**5468**
5469	0.000214866	0.000193346	0.000428972	0.000228952	0.000139305	0.000208272	0.000187446	0.000429837	0.000228952	0.00014743	**5469**
5470	0.000189667	0.000171355	0.000371853	0.000198858	0.000127908	0.000182769	0.000164947	0.000372387	0.000198858	0.000136677	**5470**
5471	0.000164262	0.000148473	0.000321353	0.00017241	0.000123351	0.000158439	0.000143036	0.00032231	0.00017241	0.000131661	**5471**
5472	0.000143995	0.000130145	0.000281791	0.000152646	0.000121316	0.000139607	0.000126048	0.000283862	0.000152646	0.000129419	**5472**
5473	0.000126415	0.000114178	0.000248171	0.000135821	0.000121072	0.000123398	0.000111369	0.000251377	0.000135821	0.000129162	**5473**
5474	0.000117624	0.000106233	0.000230954	0.000127232	0.000122895	0.000115224	0.000104	0.000234636	0.000127232	0.000131225	**5474**
5475	0.000111511	0.000100802	0.000218063	0.000120712	0.000130933	0.000109317	9.87466E-05	0.000221775	0.000120712	0.000140161	**5475**
5476	0.000112136	0.000101421	0.000218742	0.000121534	0.000144164	0.000110004	9.94247E-05	0.000222563	0.000121534	0.00015484	**5476**
5477	0.000119648	0.000108208	0.000233472	0.000129622	0.000158237	0.000117323	0.000106042	0.000237334	0.000129622	0.000170428	**5477**
5478	0.000128737	0.000116398	0.000251505	0.000139059	0.000164256	0.000126017	0.000113874	0.000255202	0.000139059	0.000177273	**5478**
5479	0.000133129	0.000119946	0.000264293	0.00014512	0.000215858	0.000130604	0.000117752	0.000267337	0.00014512	0.000222143	**5479**
5480	0.000143809	0.000128878	0.000292369	0.00015956	0.000218333	0.000141965	0.000127518	0.000295671	0.00015956	0.000224948	**5480**
5481	0.000151495	0.000135769	0.000307954	0.000168007	0.000222792	0.000149517	0.000134302	0.000311385	0.000168007	0.000229833	**5481**
5482	0.000162657	0.000145783	0.000330537	0.000180356	0.000223135	0.000160522	0.000144197	0.000334207	0.000180356	0.000230168	**5482**
5483	0.000177245	0.000158752	0.000361243	0.00019689	0.000222095	0.000175054	0.000157161	0.000365424	0.00019689	0.000228988	**5483**
5484	0.000194443	0.000173861	0.000399224	0.00021739	0.000214526	0.000192595	0.000172672	0.000404558	0.00021739	0.000222625	**5484**
5485	0.000210767	0.000188276	0.000434539	0.000236521	0.000215836	0.000209114	0.000187338	0.000440794	0.000236521	0.000224091	**5485**
5486	0.000228378	0.000203729	0.000473613	0.000257685	0.000212872	0.000227148	0.000203274	0.000481146	0.000257685	0.000220819	**5486**
5487	0.000241537	0.000215366	0.000501915	0.000273207	0.000212733	0.000240513	0.00021516	0.000510255	0.000273207	0.000218636	**5487**
5488	0.000247974	0.000221138	0.000514975	0.000280321	0.000201552	0.000246856	0.000220859	0.000523446	0.000280321	0.000206259	**5488**
5489	0.000251799	0.00022475	0.000520911	0.000284122	0.000192961	0.000250477	0.000224273	0.000529261	0.000284122	0.000196781	**5489**
5490	0.000249767	0.00022313	0.000514784	0.000279213	0.000187832	0.000247334	0.000221559	0.000521559	0.000279213	0.000191137	**5490**
5491	0.000245062	0.000219308	0.000501299	0.000269249	0.000171042	0.000240666	0.000215798	0.000505246	0.000269249	0.000176641	**5491**
5492	0.000232773	0.000208781	0.000471478	0.000252465	0.000153978	0.000227243	0.000204106	0.000473404	0.000252465	0.000161634	**5492**
5493	0.000214866	0.000193346	0.000428972	0.000228952	0.000139305	0.000208272	0.000187446	0.000429837	0.000228952	0.00014743	**5493**
5494	0.000189667	0.000171355	0.000371853	0.000198858	0.000127908	0.000182769	0.000164947	0.000372387	0.000198858	0.000136677	**5494**
5495	0.000164262	0.000148473	0.000321353	0.00017241	0.000123351	0.000158439	0.000143036	0.00032231	0.00017241	0.000131661	**5495**
5496	0.000143995	0.000130145	0.000281791	0.000152646	0.000121316	0.000139607	0.000126048	0.000283862	0.000152646	0.000129419	**5496**
5497	0.000126415	0.000114178	0.000248171	0.000135821	0.000121072	0.000123398	0.000111369	0.000251377	0.000135821	0.000129162	**5497**
5498	0.000117624	0.000106233	0.000230954	0.000127232	0.000122895	0.000115224	0.000104	0.000234636	0.000127232	0.000131225	**5498**
5499	0.000111511	0.000100802	0.000218063	0.000120712	0.000130933	0.000109317	9.87466E-05	0.000221775	0.000120712	0.000140161	**5499**
5500	0.000112136	0.000101421	0.000218742	0.000121534	0.000144164	0.000110004	9.94247E-05	0.000222563	0.000121534	0.00015484	**5500**
5501	0.000119648	0.000108208	0.000233472	0.000129622	0.000158237	0.000117323	0.000106042	0.000237334	0.000129622	0.000170428	**5501**
5502	0.000128737	0.000116398	0.000251505	0.000139059	0.000164256	0.000126017	0.000113874	0.000255202	0.000139059	0.000177273	**5502**
5503	0.000133129	0.000119946	0.000264293	0.00014512	0.000215858	0.000130604	0.000117752	0.000267337	0.00014512	0.000222143	**5503**
5504	0.000143809	0.000128878	0.000292369	0.00015956	0.000218333	0.000141965	0.000127518	0.000295671	0.00015956	0.000224948	**5504**
5505	0.000151495	0.000135769	0.000307954	0.000168007	0.000222792	0.000149517	0.000134302	0.000311385	0.000168007	0.000229833	**5505**
5506	0.000162657	0.000145783	0.000330537	0.000180356	0.000223135	0.000160522	0.000144197	0.000334207	0.000180356	0.000230168	**5506**
5507	0.000177245	0.000158752	0.000361243	0.00019689	0.000222095	0.000175054	0.000157161	0.000365424	0.00019689	0.000228988	**5507**
5508	0.000194443	0.000173861	0.000399224	0.00021739	0.000214526	0.000192595	0.000172672	0.000404558	0.00021739	0.000222625	**5508**
5509	0.000210767	0.000188276	0.000434539	0.000236521	0.000215836	0.000209114	0.000187338	0.000440794	0.000236521	0.000224091	**5509**
5510	0.000228378	0.000203729	0.000473613	0.000257685	0.000212872	0.000227148	0.000203274	0.000481146	0.000257685	0.000220819	**5510**
5511	0.000241537	0.000215366	0.000501915	0.000273207	0.000212733	0.000240513	0.00021516	0.000510255	0.000273207	0.000218636	**5511**
5512	0.000247974	0.000221138	0.000514975	0.000280321	0.000201552	0.000246856	0.000220859	0.000523446	0.000280321	0.000206259	**5512**
5513	0.000251799	0.00022475	0.000520911	0.000284122	0.000192961	0.000250477	0.000224273	0.000529261	0.000284122	0.000196781	**5513**
5514	0.000249767	0.00022313	0.000514784	0.000279213	0.000187832	0.000247334	0.000221559	0.000521559	0.000279213	0.000191137	**5514**
5515	0.000245062	0.000219308	0.000501299	0.000269249	0.000171042	0.000240666	0.000215798	0.000505246	0.000269249	0.000176641	**5515**
5516	0.000232773	0.000208781	0.000471478	0.000252465	0.000153978	0.000227243	0.000204106	0.000473404	0.000252465	0.000161634	**5516**
5517	0.000214866	0.000193346	0.000428972	0.000228952	0.000139305	0.000208272	0.000187446	0.000429837	0.000228952	0.00014743	**5517**
5518	0.000189667	0.000171355	0.000371853	0.000198858	0.000127908	0.000182769	0.000164947	0.000372387	0.000198858	0.000136677	**5518**
5519	0.000164262	0.000148473	0.000321353	0.00017241	0.000123351	0.000158439	0.000143036	0.00032231	0.00017241	0.000131661	**5519**
5520	0.000143995	0.000130145	0.000281791	0.000152646	0.000121316	0.000139607	0.000126048	0.000283862	0.000152646	0.000129419	**5520**
5521	0.000126415	0.000114178	0.000248171	0.000135821	0.000121072	0.000123398	0.000111369	0.000251377	0.000135821	0.000129162	**5521**
5522	0.000117624	0.000106233	0.000230954	0.000127232	0.000122895	0.000115224	0.000104	0.000234636	0.000127232	0.000131225	**5522**
5523	0.000111511	0.000100802	0.000218063	0.000120712	0.000130933	0.000109317	9.87466E-05	0.000221775	0.000120712	0.000140161	**5523**
5524	0.000112136	0.000101421	0.000218742	0.000121534	0.000144164	0.000110004	9.94247E-05	0.000222563	0.000121534	0.00015484	**5524**
5525	0.000119648	0.000108208	0.000233472	0.000129622	0.000158237	0.000117323	0.000106042	0.000237334	0.000129622	0.000170428	**5525**
5526	0.000128737	0.000116398	0.000251505	0.000139059	0.000164256	0.000126017	0.000113874	0.000255202	0.000139059	0.000177273	**5526**
5527	0.000133129	0.000119946	0.000264293	0.00014512	0.000215858	0.000130604	0.000117752	0.000267337	0.00014512	0.000222143	**5527**
5528	0.000143809	0.000128878	0.000292369	0.00015956	0.000218333	0.000141965	0.000127518	0.000295671	0.00015956	0.000224948	**5528**
5529	0.000151495	0.000135769	0.000307954	0.000168007	0.000222792	0.000149517	0.000134302	0.000311385	0.000168007	0.000229833	**5529**
5530	0.000162657	0.000145783	0.000330537	0.000180356	0.000223135	0.000160522	0.000144197	0.000334207	0.000180356	0.000230168	**5530**
5531	0.000177245	0.000158752	0.000361243	0.00019689	0.000222095	0.000175054	0.000157161	0.000365424	0.00019689	0.000228988	**5531**
5532	0.000194443	0.000173861	0.000399224	0.00021739	0.000214526	0.000192595	0.000172672	0.000404558	0.00021739	0.000222625	**5532**
5533	0.000210767	0.000188276	0.000434539	0.000236521	0.000215836	0.000209114	0.000187338	0.000440794	0.000236521	0.000224091	**5533**
5534	0.000228378	0.000203729	0.000473613	0.000257685	0.000212872	0.000227148	0.000203274	0.000481146	0.000257685	0.000220819	**5534**
5535	0.000241537	0.000215366	0.000501915	0.000273207	0.000212733	0.000240513	0.00021516	0.000510255	0.000273207	0.000218636	**5535**
5536	0.000247974	0.000221138	0.000514975	0.000280321	0.000201552	0.000246856	0.000220859	0.000523446	0.000280321	0.000206259	**5536**
5537	0.000251799	0.00022475	0.000520911	0.000284122	0.000192961	0.000250477	0.000224273	0.000529261	0.000284122	0.000196781	**5537**
5538	0.000249767	0.00022313	0.000514784	0.000279213	0.000187832	0.000247334	0.000221559	0.000521559	0.000279213	0.000191137	**5538**
5539	0.000245062	0.000219308	0.000501299	0.000269249	0.000171042	0.000240666	0.000215798	0.000505246	0.000269249	0.000176641	**5539**

5540	0.000232773	0.000208781	0.000471478	0.000252465	0.000153978	0.000227243	0.000204106	0.000473404	0.000252465	0.000161634	5540
5541	0.000214866	0.000193346	0.000428972	0.000228952	0.000139305	0.000208272	0.000187446	0.000429837	0.000228952	0.00014743	5541
5542	0.000189667	0.000171355	0.000371853	0.000198858	0.000127908	0.000182769	0.000164947	0.000372387	0.000198858	0.000136677	5542
5543	0.000164262	0.000148473	0.000321353	0.00017241	0.000123351	0.000158439	0.000143036	0.00032231	0.00017241	0.000131661	5543
5544	0.000143995	0.000130145	0.000281791	0.000152646	0.000121316	0.000139607	0.000126048	0.000283862	0.000152646	0.000129419	5544
5545	0.000126415	0.000114178	0.000248171	0.000135821	0.000121072	0.000123398	0.000111369	0.000251377	0.000135821	0.000129162	5545
5546	0.000117624	0.000106233	0.000230954	0.000127232	0.000122895	0.000115224	0.000104	0.000234636	0.000127232	0.000131225	5546
5547	0.000111511	0.000100802	0.000218063	0.000120712	0.000130933	0.000109317	9.87466E-05	0.000221775	0.000120712	0.000140161	5547
5548	0.000112136	0.000101421	0.000218742	0.000121534	0.000144164	0.000110004	9.94247E-05	0.000222563	0.000121534	0.00015484	5548
5549	0.000119648	0.000108208	0.000233472	0.000129622	0.000158237	0.000117323	0.000106042	0.000237334	0.000129622	0.000170428	5549
5550	0.000128737	0.000116398	0.000251505	0.000139059	0.000164256	0.000126017	0.000113874	0.000255202	0.000139059	0.000177273	5550
5551	0.000133129	0.000119946	0.000264293	0.00014512	0.000215858	0.000130604	0.000117752	0.000267337	0.00014512	0.000222143	5551
5552	0.000143809	0.000128878	0.000292369	0.00015956	0.000218333	0.000141965	0.000127518	0.000295671	0.00015956	0.000224948	5552
5553	0.000151495	0.000135769	0.000307954	0.000168007	0.000222792	0.000149517	0.000134302	0.000311385	0.000168007	0.000229833	5553
5554	0.000162657	0.000145783	0.000330537	0.000180356	0.000223135	0.000160522	0.000144197	0.000334207	0.000180356	0.000230168	5554
5555	0.000177245	0.000158752	0.000361243	0.00019689	0.000222095	0.000175054	0.000157161	0.000365424	0.00019689	0.000228988	5555
5556	0.000194443	0.000173861	0.000399224	0.00021739	0.000214526	0.000192595	0.000172672	0.000404558	0.00021739	0.000222625	5556
5557	0.000210767	0.000188276	0.000434539	0.000236521	0.000215836	0.000209114	0.000187338	0.000440794	0.000236521	0.000224091	5557
5558	0.000228378	0.000203729	0.000473613	0.000257685	0.000212872	0.000227148	0.000203274	0.000481146	0.000257685	0.000220819	5558
5559	0.000241537	0.000215366	0.000501915	0.000273207	0.000212733	0.000240513	0.00021516	0.000510255	0.000273207	0.000218636	5559
5560	0.000247974	0.000221138	0.000514975	0.000280321	0.000201552	0.000246856	0.000220859	0.000523446	0.000280321	0.000206259	5560
5561	0.000251799	0.00022475	0.000520911	0.000284122	0.000192961	0.000250477	0.000224273	0.000529261	0.000284122	0.000196781	5561
5562	0.000249767	0.00022313	0.000514784	0.000279213	0.000187832	0.000247334	0.000221559	0.000521559	0.000279213	0.000191137	5562
5563	0.000245062	0.000219308	0.000501299	0.000269249	0.000171042	0.000240666	0.000215798	0.000505246	0.000269249	0.000176641	5563
5564	0.000232773	0.000208781	0.000471478	0.000252465	0.000153978	0.000227243	0.000204106	0.000473404	0.000252465	0.000161634	5564
5565	0.000214866	0.000193346	0.000428972	0.000228952	0.000139305	0.000208272	0.000187446	0.000429837	0.000228952	0.00014743	5565
5566	0.000189667	0.000171355	0.000371853	0.000198858	0.000127908	0.000182769	0.000164947	0.000372387	0.000198858	0.000136677	5566
5567	0.000164262	0.000148473	0.000321353	0.00017241	0.000123351	0.000158439	0.000143036	0.00032231	0.00017241	0.000131661	5567
5568	0.000143995	0.000130145	0.000281791	0.000152646	0.000121316	0.000139607	0.000126048	0.000283862	0.000152646	0.000129419	5568
5569	0.00012577	0.000113612	0.000246723	0.000135062	0.000121239	0.000122745	0.000110794	0.000249892	0.000135062	0.000129338	5569
5570	0.000116943	0.000105629	0.000229508	0.000126439	0.000122589	0.000114536	0.000103387	0.000233153	0.000126439	0.000130888	5570
5571	0.000110735	0.000100116	0.000216392	0.000119806	0.000130663	0.000108533	9.805E-05	0.000220061	0.000119806	0.000139866	5571
5572	0.000111573	0.000100923	0.000217529	0.000120876	0.000143907	0.000109435	9.89189E-05	0.000221319	0.000120876	0.000154558	5572
5573	0.000119244	0.000107851	0.000232597	0.000129149	0.000157987	0.000116914	0.00010568	0.000236437	0.000129149	0.000170153	5573
5574	0.000128642	0.000116312	0.000251318	0.00013895	0.000164258	0.000125922	0.000113788	0.00025501	0.00013895	0.000177276	5574
5575	0.000134491	0.000121452	0.000264221	0.000145172	0.000215351	0.000131469	0.000118705	0.000267263	0.000145172	0.000221582	5575
5576	0.00014331	0.000128435	0.000291302	0.000158978	0.000218098	0.00014146	0.000127068	0.000294576	0.000158978	0.00022469	5576
5577	0.000150662	0.000135027	0.000306216	0.00016704	0.000222558	0.000148676	0.00013355	0.000309604	0.00016704	0.00022958	5577
5578	0.000161342	0.000144617	0.00032775	0.000178826	0.000222718	0.000159195	0.000143014	0.000331349	0.000178826	0.000229715	5578
5579	0.000175274	0.000156998	0.000357103	0.000194598	0.00022161	0.000173065	0.000155383	0.00036118	0.000194598	0.000228462	5579
5580	0.000192091	0.000171764	0.000394331	0.000214661	0.000214067	0.000190222	0.000170547	0.000399543	0.000214661	0.000222127	5580
5581	0.000207342	0.00018524	0.000427232	0.000232528	0.000215293	0.000205655	0.000184258	0.000433303	0.000232528	0.0002235	5581
5582	0.000223912	0.000199786	0.000463948	0.000252465	0.000212191	0.000222635	0.000199268	0.000471237	0.000252465	0.000220076	5582
5583	0.000236839	0.000211218	0.000491744	0.000267716	0.000212222	0.000235766	0.000210946	0.000499829	0.000267716	0.000218082	5583
5584	0.000243183	0.000216914	0.000504546	0.000274715	0.000201049	0.000242013	0.000216565	0.000512754	0.000274715	0.000205715	5584
5585	0.000247142	0.000220634	0.000510882	0.000278685	0.000192445	0.000245772	0.000220093	0.000518979	0.000278685	0.000196223	5585
5586	0.000244743	0.000218696	0.000503894	0.000273339	0.000187284	0.000242257	0.000217053	0.000510394	0.000273339	0.000190544	5586
5587	0.000240808	0.000215545	0.000492158	0.000264284	0.000170433	0.000236369	0.000211977	0.000495875	0.000264284	0.00017598	5587
5588	0.000228813	0.00020528	0.000462953	0.000247842	0.000153352	0.000223242	0.00020055	0.000464666	0.000247842	0.000160955	5588
5589	0.000209811	0.000188568	0.000421167	0.000224596	0.000138616	0.000203677	0.000183171	0.000421837	0.000224596	0.00014668	5589
5590	0.000186568	0.000168612	0.000365219	0.000195244	0.000127125	0.00017964	0.000162162	0.000365586	0.000195244	0.000135824	5590
5591	0.000161855	0.000146336	0.00031626	0.000169609	0.000122638	0.000156009	0.000140869	0.000317089	0.000169609	0.000130883	5591
5592	0.000142616	0.000128917	0.000278913	0.000151046	0.000121017	0.000138216	0.000124804	0.000280912	0.000151046	0.000129094	5592
5593	0.00012577	0.000113612	0.000246723	0.000135062	0.000121239	0.000122745	0.000110794	0.000249892	0.000135062	0.000129338	5593
5594	0.000116943	0.000105629	0.000229508	0.000126439	0.000122589	0.000114536	0.000103387	0.000233153	0.000126439	0.000130888	5594
5595	0.000110735	0.000100116	0.000216392	0.000119806	0.000130663	0.000108533	9.805E-05	0.000220061	0.000119806	0.000139866	5595
5596	0.000111573	0.000100923	0.000217529	0.000120876	0.000143907	0.000109435	9.89189E-05	0.000221319	0.000120876	0.000154558	5596
5597	0.000119244	0.000107851	0.000232597	0.000129149	0.000157987	0.000116914	0.00010568	0.000236437	0.000129149	0.000170153	5597
5598	0.000128642	0.000116312	0.000251318	0.00013895	0.000164258	0.000125922	0.000113788	0.00025501	0.00013895	0.000177276	5598
5599	0.000134491	0.000121452	0.000264221	0.000145172	0.000215351	0.000131469	0.000118705	0.000267263	0.000145172	0.000221582	5599
5600	0.00014331	0.000128435	0.000291302	0.000158978	0.000218098	0.00014146	0.000127068	0.000294576	0.000158978	0.00022469	5600
5601	0.000150662	0.000135027	0.000306216	0.00016704	0.000222558	0.000148676	0.00013355	0.000309604	0.00016704	0.00022958	5601
5602	0.000161342	0.000144617	0.00032775	0.000178826	0.000222718	0.000159195	0.000143014	0.000331349	0.000178826	0.000229715	5602
5603	0.000175274	0.000156998	0.000357103	0.000194598	0.00022161	0.000173065	0.000155383	0.00036118	0.000194598	0.000228462	5603
5604	0.000192091	0.000171764	0.000394331	0.000214661	0.000214067	0.000190222	0.000170547	0.000399543	0.000214661	0.000222127	5604
5605	0.000207342	0.00018524	0.000427232	0.000232528	0.000215293	0.000205655	0.000184258	0.000433303	0.000232528	0.0002235	5605
5606	0.000223912	0.000199786	0.000463948	0.000252465	0.000212191	0.000222635	0.000199268	0.000471237	0.000252465	0.000220076	5606
5607	0.000236839	0.000211218	0.000491744	0.000267716	0.000212222	0.000235766	0.000210946	0.000499829	0.000267716	0.000218082	5607
5608	0.000243183	0.000216914	0.000504546	0.000274715	0.000201049	0.000242013	0.000216565	0.000512754	0.000274715	0.000205715	5608
5609	0.000247142	0.000220634	0.000510882	0.000278685	0.000192445	0.000245772	0.000220093	0.000518979	0.000278685	0.000196223	5609
5610	0.000244743	0.000218696	0.000503894	0.000273339	0.000187284	0.000242257	0.000217053	0.000510394	0.000273339	0.000190544	5610
5611	0.000240808	0.000215545	0.000492158	0.000264284	0.000170433	0.000236369	0.000211977	0.000495875	0.000264284	0.00017598	5611
5612	0.000228813	0.00020528	0.000462953	0.000247842	0.000153352	0.000223242	0.00020055	0.000464666	0.000247842	0.000160955	5612
5613	0.000209811	0.000188568	0.000421167	0.000224596	0.000138616	0.000203677	0.000183171	0.000421837	0.000224596	0.00014668	5613
5614	0.000186568	0.000168612	0.000365219	0.000195244	0.000127125	0.00017964	0.000162162	0.000365586	0.000195244	0.000135824	5614
5615	0.000161855	0.000146336	0.00031626	0.000169609	0.000122638	0.000156009	0.000140869	0.000317089	0.000169609	0.000130883	5615

5616	0.000142616	0.000128917	0.000278913	0.000151046	0.000121017	0.000138216	0.000124804	0.000280912	0.000151046	0.000129094	5616
5617	0.000126415	0.000114178	0.000248171	0.000135821	0.000121072	0.000123398	0.000111369	0.000251377	0.000135821	0.000129162	5617
5618	0.000117624	0.000106233	0.000230954	0.000127232	0.000122895	0.000115224	0.000104	0.000234636	0.000127232	0.000131225	5618
5619	0.000111511	0.000100802	0.000218063	0.000120712	0.000130933	0.000109317	9.87466E-05	0.000221775	0.000120712	0.000140161	5619
5620	0.000112136	0.000101421	0.000218742	0.000121534	0.000144164	0.000110004	9.94247E-05	0.000222563	0.000121534	0.00015484	5620
5621	0.000119648	0.000108208	0.000233472	0.000129622	0.000158237	0.000117323	0.000106042	0.000237334	0.000129622	0.000170428	5621
5622	0.000128737	0.000116398	0.000251505	0.000139059	0.000164256	0.000126017	0.000113874	0.000255202	0.000139059	0.000177273	5622
5623	0.000133129	0.000119946	0.000264293	0.00014512	0.000215858	0.000130604	0.000117752	0.000267337	0.00014512	0.000222143	5623
5624	0.000143809	0.000128878	0.000292369	0.00015956	0.000218333	0.000141965	0.000127518	0.000295671	0.00015956	0.000224948	5624
5625	0.000151495	0.000135769	0.000307954	0.000168007	0.000222792	0.000149517	0.000134302	0.000311385	0.000168007	0.000229833	5625
5626	0.000162657	0.000145783	0.000330537	0.000180356	0.000223135	0.000160522	0.000144197	0.000334207	0.000180356	0.000230168	5626
5627	0.000177245	0.000158752	0.000361243	0.00019689	0.000222095	0.000175054	0.000157161	0.000365424	0.00019689	0.000228988	5627
5628	0.000194443	0.000173861	0.000399224	0.00021739	0.000214526	0.000192595	0.000172672	0.000404558	0.00021739	0.000222625	5628
5629	0.000210767	0.000188276	0.000434539	0.000236521	0.000215836	0.000209114	0.000187338	0.000440794	0.000236521	0.000224091	5629
5630	0.000228378	0.000203729	0.000473613	0.000257685	0.000212872	0.000227148	0.000203274	0.000481146	0.000257685	0.000220819	5630
5631	0.000241537	0.000215366	0.000501915	0.000273207	0.000212733	0.000240513	0.00021516	0.000510255	0.000273207	0.000218636	5631
5632	0.000247974	0.000221138	0.000514975	0.000280321	0.000201552	0.000246856	0.000220859	0.000523446	0.000280321	0.000206259	5632
5633	0.000251799	0.00022475	0.000520911	0.000284122	0.000192961	0.000250477	0.000224273	0.000529261	0.000284122	0.000196781	5633
5634	0.000249767	0.00022313	0.000514784	0.000279213	0.000187832	0.000247334	0.000221559	0.000521559	0.000279213	0.000191137	5634
5635	0.000245062	0.000219308	0.000501299	0.000269249	0.000171042	0.000240666	0.000215798	0.000505246	0.000269249	0.000176641	5635
5636	0.000232773	0.000208781	0.000471478	0.000252465	0.000153978	0.000227243	0.000204106	0.000473404	0.000252465	0.000161634	5636
5637	0.000214866	0.000193346	0.000428972	0.000228952	0.000139305	0.000208272	0.000187446	0.000429837	0.000228952	0.00014743	5637
5638	0.000189667	0.000171355	0.000371853	0.000198858	0.000127908	0.000182769	0.000164947	0.000372387	0.000198858	0.000136677	5638
5639	0.000164262	0.000148473	0.000321353	0.00017241	0.000123351	0.000158439	0.000143036	0.00032231	0.00017241	0.000131661	5639
5640	0.000143995	0.000130145	0.000281791	0.000152646	0.000121316	0.000139607	0.000126048	0.000283862	0.000152646	0.000129419	5640
5641	0.000126415	0.000114178	0.000248171	0.000135821	0.000121072	0.000123398	0.000111369	0.000251377	0.000135821	0.000129162	5641
5642	0.000117624	0.000106233	0.000230954	0.000127232	0.000122895	0.000115224	0.000104	0.000234636	0.000127232	0.000131225	5642
5643	0.000111511	0.000100802	0.000218063	0.000120712	0.000130933	0.000109317	9.87466E-05	0.000221775	0.000120712	0.000140161	5643
5644	0.000112136	0.000101421	0.000218742	0.000121534	0.000144164	0.000110004	9.94247E-05	0.000222563	0.000121534	0.00015484	5644
5645	0.000119648	0.000108208	0.000233472	0.000129622	0.000158237	0.000117323	0.000106042	0.000237334	0.000129622	0.000170428	5645
5646	0.000128737	0.000116398	0.000251505	0.000139059	0.000164256	0.000126017	0.000113874	0.000255202	0.000139059	0.000177273	5646
5647	0.000133129	0.000119946	0.000264293	0.00014512	0.000215858	0.000130604	0.000117752	0.000267337	0.00014512	0.000222143	5647
5648	0.000143809	0.000128878	0.000292369	0.00015956	0.000218333	0.000141965	0.000127518	0.000295671	0.00015956	0.000224948	5648
5649	0.000151495	0.000135769	0.000307954	0.000168007	0.000222792	0.000149517	0.000134302	0.000311385	0.000168007	0.000229833	5649
5650	0.000162657	0.000145783	0.000330537	0.000180356	0.000223135	0.000160522	0.000144197	0.000334207	0.000180356	0.000230168	5650
5651	0.000177245	0.000158752	0.000361243	0.00019689	0.000222095	0.000175054	0.000157161	0.000365424	0.00019689	0.000228988	5651
5652	0.000194443	0.000173861	0.000399224	0.00021739	0.000214526	0.000192595	0.000172672	0.000404558	0.00021739	0.000222625	5652
5653	0.000210767	0.000188276	0.000434539	0.000236521	0.000215836	0.000209114	0.000187338	0.000440794	0.000236521	0.000224091	5653
5654	0.000228378	0.000203729	0.000473613	0.000257685	0.000212872	0.000227148	0.000203274	0.000481146	0.000257685	0.000220819	5654
5655	0.000241537	0.000215366	0.000501915	0.000273207	0.000212733	0.000240513	0.00021516	0.000510255	0.000273207	0.000218636	5655
5656	0.000247974	0.000221138	0.000514975	0.000280321	0.000201552	0.000246856	0.000220859	0.000523446	0.000280321	0.000206259	5656
5657	0.000251799	0.00022475	0.000520911	0.000284122	0.000192961	0.000250477	0.000224273	0.000529261	0.000284122	0.000196781	5657
5658	0.000249767	0.00022313	0.000514784	0.000279213	0.000187832	0.000247334	0.000221559	0.000521559	0.000279213	0.000191137	5658
5659	0.000245062	0.000219308	0.000501299	0.000269249	0.000171042	0.000240666	0.000215798	0.000505246	0.000269249	0.000176641	5659
5660	0.000232773	0.000208781	0.000471478	0.000252465	0.000153978	0.000227243	0.000204106	0.000473404	0.000252465	0.000161634	5660
5661	0.000214866	0.000193346	0.000428972	0.000228952	0.000139305	0.000208272	0.000187446	0.000429837	0.000228952	0.00014743	5661
5662	0.000189667	0.000171355	0.000371853	0.000198858	0.000127908	0.000182769	0.000164947	0.000372387	0.000198858	0.000136677	5662
5663	0.000164262	0.000148473	0.000321353	0.00017241	0.000123351	0.000158439	0.000143036	0.00032231	0.00017241	0.000131661	5663
5664	0.000143995	0.000130145	0.000281791	0.000152646	0.000121316	0.000139607	0.000126048	0.000283862	0.000152646	0.000129419	5664
5665	0.000126415	0.000114178	0.000248171	0.000135821	0.000121072	0.000123398	0.000111369	0.000251377	0.000135821	0.000129162	5665
5666	0.000117624	0.000106233	0.000230954	0.000127232	0.000122895	0.000115224	0.000104	0.000234636	0.000127232	0.000131225	5666
5667	0.000111511	0.000100802	0.000218063	0.000120712	0.000130933	0.000109317	9.87466E-05	0.000221775	0.000120712	0.000140161	5667
5668	0.000112136	0.000101421	0.000218742	0.000121534	0.000144164	0.000110004	9.94247E-05	0.000222563	0.000121534	0.00015484	5668
5669	0.000119648	0.000108208	0.000233472	0.000129622	0.000158237	0.000117323	0.000106042	0.000237334	0.000129622	0.000170428	5669
5670	0.000128737	0.000116398	0.000251505	0.000139059	0.000164256	0.000126017	0.000113874	0.000255202	0.000139059	0.000177273	5670
5671	0.000133129	0.000119946	0.000264293	0.00014512	0.000215858	0.000130604	0.000117752	0.000267337	0.00014512	0.000222143	5671
5672	0.000143809	0.000128878	0.000292369	0.00015956	0.000218333	0.000141965	0.000127518	0.000295671	0.00015956	0.000224948	5672
5673	0.000151495	0.000135769	0.000307954	0.000168007	0.000222792	0.000149517	0.000134302	0.000311385	0.000168007	0.000229833	5673
5674	0.000162657	0.000145783	0.000330537	0.000180356	0.000223135	0.000160522	0.000144197	0.000334207	0.000180356	0.000230168	5674
5675	0.000177245	0.000158752	0.000361243	0.00019689	0.000222095	0.000175054	0.000157161	0.000365424	0.00019689	0.000228988	5675
5676	0.000194443	0.000173861	0.000399224	0.00021739	0.000214526	0.000192595	0.000172672	0.000404558	0.00021739	0.000222625	5676
5677	0.000210767	0.000188276	0.000434539	0.000236521	0.000215836	0.000209114	0.000187338	0.000440794	0.000236521	0.000224091	5677
5678	0.000228378	0.000203729	0.000473613	0.000257685	0.000212872	0.000227148	0.000203274	0.000481146	0.000257685	0.000220819	5678
5679	0.000241537	0.000215366	0.000501915	0.000273207	0.000212733	0.000240513	0.00021516	0.000510255	0.000273207	0.000218636	5679
5680	0.000247974	0.000221138	0.000514975	0.000280321	0.000201552	0.000246856	0.000220859	0.000523446	0.000280321	0.000206259	5680
5681	0.000251799	0.00022475	0.000520911	0.000284122	0.000192961	0.000250477	0.000224273	0.000529261	0.000284122	0.000196781	5681
5682	0.000249767	0.00022313	0.000514784	0.000279213	0.000187832	0.000247334	0.000221559	0.000521559	0.000279213	0.000191137	5682
5683	0.000245062	0.000219308	0.000501299	0.000269249	0.000171042	0.000240666	0.000215798	0.000505246	0.000269249	0.000176641	5683
5684	0.000232773	0.000208781	0.000471478	0.000252465	0.000153978	0.000227243	0.000204106	0.000473404	0.000252465	0.000161634	5684
5685	0.000214866	0.000193346	0.000428972	0.000228952	0.000139305	0.000208272	0.000187446	0.000429837	0.000228952	0.00014743	5685
5686	0.000189667	0.000171355	0.000371853	0.000198858	0.000127908	0.000182769	0.000164947	0.000372387	0.000198858	0.000136677	5686
5687	0.000164262	0.000148473	0.000321353	0.00017241	0.000123351	0.000158439	0.000143036	0.00032231	0.00017241	0.000131661	5687
5688	0.000143995	0.000130145	0.000281791	0.000152646	0.000121316	0.000139607	0.000126048	0.000283862	0.000152646	0.000129419	5688
5689	0.000126415	0.000114178	0.000248171	0.000135821	0.000121072	0.000123398	0.000111369	0.000251377	0.000135821	0.000129162	5689
5690	0.000117624	0.000106233	0.000230954	0.000127232	0.000122895	0.000115224	0.000104	0.000234636	0.000127232	0.000131225	5690
5691	0.000111511	0.000100802	0.000218063	0.000120712	0.000130933	0.000109317	9.87466E-05	0.000221775	0.000120712	0.000140161	5691

5692	0.000112136	0.000101421	0.000218742	0.000121534	0.000144164	0.000110004	9.94247E-05	0.000222563	0.000121534	0.00015484	5692
5693	0.000119648	0.000108208	0.000233472	0.000129622	0.000158237	0.000117323	0.000106042	0.000237334	0.000129622	0.000170428	5693
5694	0.000128737	0.000116398	0.000251505	0.000139059	0.000164256	0.000126017	0.000113874	0.000255202	0.000139059	0.000177273	5694
5695	0.000133129	0.000119946	0.000264293	0.00014512	0.000215858	0.000130604	0.000117752	0.000267337	0.00014512	0.000222143	5695
5696	0.000143809	0.000128878	0.000292369	0.00015956	0.000218333	0.000141965	0.000127518	0.000295671	0.00015956	0.000224948	5696
5697	0.000151495	0.000135769	0.000307954	0.000168007	0.000222792	0.000149517	0.000134302	0.000311385	0.000168007	0.000229833	5697
5698	0.000162657	0.000145783	0.000330537	0.000180356	0.000223135	0.000160522	0.000144197	0.000334207	0.000180356	0.000230168	5698
5699	0.000177245	0.000158752	0.000361243	0.00019689	0.000222095	0.000175054	0.000157161	0.000365424	0.00019689	0.000228988	5699
5700	0.000194443	0.000173861	0.000399224	0.00021739	0.000214526	0.000192595	0.000172672	0.000404558	0.00021739	0.000222625	5700
5701	0.000210767	0.000188276	0.000434539	0.000236521	0.000215836	0.000209114	0.000187338	0.000440794	0.000236521	0.000224091	5701
5702	0.000228378	0.000203729	0.000473613	0.000257685	0.000212872	0.000227148	0.000203274	0.000481146	0.000257685	0.000220819	5702
5703	0.000241537	0.000215366	0.000501915	0.000273207	0.000212733	0.000240513	0.00021516	0.000510255	0.000273207	0.000218636	5703
5704	0.000247974	0.000221138	0.000514975	0.000280321	0.000201552	0.000246856	0.000220859	0.000523446	0.000280321	0.000206259	5704
5705	0.000251799	0.00022475	0.000520911	0.000284122	0.000192961	0.000250477	0.000224273	0.000529261	0.000284122	0.000196781	5705
5706	0.000249767	0.00022313	0.000514784	0.000279213	0.000187832	0.000247334	0.000221559	0.000521559	0.000279213	0.000191137	5706
5707	0.000245062	0.000219308	0.000501299	0.000269249	0.000171042	0.000240666	0.000215798	0.000505246	0.000269249	0.000176641	5707
5708	0.000232773	0.000208781	0.000471478	0.000252465	0.000153978	0.000227243	0.000204106	0.000473404	0.000252465	0.000161634	5708
5709	0.000214866	0.000193346	0.000428972	0.000228952	0.000139305	0.000208272	0.000187446	0.000429837	0.000228952	0.00014743	5709
5710	0.000189667	0.000171355	0.000371853	0.000198858	0.000127908	0.000182769	0.000164947	0.000372387	0.000198858	0.000136677	5710
5711	0.000164262	0.000148473	0.000321353	0.00017241	0.000123351	0.000158439	0.000143036	0.00032231	0.00017241	0.000131661	5711
5712	0.000143995	0.000130145	0.000281791	0.000152646	0.000121316	0.000139607	0.000126048	0.000283862	0.000152646	0.000129419	5712
5713	0.000126415	0.000114178	0.000248171	0.000135821	0.000121072	0.000123398	0.000111369	0.000251377	0.000135821	0.000129162	5713
5714	0.000117624	0.000106233	0.000230954	0.000127232	0.000122895	0.000115224	0.000104	0.000234636	0.000127232	0.000131225	5714
5715	0.000111511	0.000100802	0.000218063	0.000120712	0.000130933	0.000109317	9.87466E-05	0.000221775	0.000120712	0.000140161	5715
5716	0.000112136	0.000101421	0.000218742	0.000121534	0.000144164	0.000110004	9.94247E-05	0.000222563	0.000121534	0.00015484	5716
5717	0.000119648	0.000108208	0.000233472	0.000129622	0.000158237	0.000117323	0.000106042	0.000237334	0.000129622	0.000170428	5717
5718	0.000128737	0.000116398	0.000251505	0.000139059	0.000164256	0.000126017	0.000113874	0.000255202	0.000139059	0.000177273	5718
5719	0.000133129	0.000119946	0.000264293	0.00014512	0.000215858	0.000130604	0.000117752	0.000267337	0.00014512	0.000222143	5719
5720	0.000143809	0.000128878	0.000292369	0.00015956	0.000218333	0.000141965	0.000127518	0.000295671	0.00015956	0.000224948	5720
5721	0.000151495	0.000135769	0.000307954	0.000168007	0.000222792	0.000149517	0.000134302	0.000311385	0.000168007	0.000229833	5721
5722	0.000162657	0.000145783	0.000330537	0.000180356	0.000223135	0.000160522	0.000144197	0.000334207	0.000180356	0.000230168	5722
5723	0.000177245	0.000158752	0.000361243	0.00019689	0.000222095	0.000175054	0.000157161	0.000365424	0.00019689	0.000228988	5723
5724	0.000194443	0.000173861	0.000399224	0.00021739	0.000214526	0.000192595	0.000172672	0.000404558	0.00021739	0.000222625	5724
5725	0.000210767	0.000188276	0.000434539	0.000236521	0.000215836	0.000209114	0.000187338	0.000440794	0.000236521	0.000224091	5725
5726	0.000228378	0.000203729	0.000473613	0.000257685	0.000212872	0.000227148	0.000203274	0.000481146	0.000257685	0.000220819	5726
5727	0.000241537	0.000215366	0.000501915	0.000273207	0.000212733	0.000240513	0.00021516	0.000510255	0.000273207	0.000218636	5727
5728	0.000247974	0.000221138	0.000514975	0.000280321	0.000201552	0.000246856	0.000220859	0.000523446	0.000280321	0.000206259	5728
5729	0.000251799	0.00022475	0.000520911	0.000284122	0.000192961	0.000250477	0.000224273	0.000529261	0.000284122	0.000196781	5729
5730	0.000249767	0.00022313	0.000514784	0.000279213	0.000187832	0.000247334	0.000221559	0.000521559	0.000279213	0.000191137	5730
5731	0.000245062	0.000219308	0.000501299	0.000269249	0.000171042	0.000240666	0.000215798	0.000505246	0.000269249	0.000176641	5731
5732	0.000232773	0.000208781	0.000471478	0.000252465	0.000153978	0.000227243	0.000204106	0.000473404	0.000252465	0.000161634	5732
5733	0.000214866	0.000193346	0.000428972	0.000228952	0.000139305	0.000208272	0.000187446	0.000429837	0.000228952	0.00014743	5733
5734	0.000189667	0.000171355	0.000371853	0.000198858	0.000127908	0.000182769	0.000164947	0.000372387	0.000198858	0.000136677	5734
5735	0.000164262	0.000148473	0.000321353	0.00017241	0.000123351	0.000158439	0.000143036	0.00032231	0.00017241	0.000131661	5735
5736	0.000143995	0.000130145	0.000281791	0.000152646	0.000121316	0.000139607	0.000126048	0.000283862	0.000152646	0.000129419	5736
5737	0.00012577	0.000113612	0.000246723	0.000135062	0.000121239	0.000122745	0.000110794	0.000249892	0.000135062	0.000129338	5737
5738	0.000116943	0.000105629	0.000229508	0.000126439	0.000122589	0.000114536	0.000103387	0.000233153	0.000126439	0.000130888	5738
5739	0.000110735	0.000100116	0.000216392	0.000119806	0.000130663	0.000108533	9.805E-05	0.000220061	0.000119806	0.000139866	5739
5740	0.000111573	0.000100923	0.000217529	0.000120876	0.000143907	0.000109435	9.89189E-05	0.000221319	0.000120876	0.000154558	5740
5741	0.000119244	0.000107851	0.000232597	0.000129149	0.000157987	0.000116914	0.00010568	0.000236437	0.000129149	0.000170153	5741
5742	0.000128642	0.000116312	0.000251318	0.00013895	0.000164258	0.000125922	0.000113788	0.00025501	0.00013895	0.000177276	5742
5743	0.000134491	0.000121452	0.000264221	0.000145172	0.000215351	0.000131469	0.000118705	0.000267263	0.000145172	0.000221582	5743
5744	0.00014331	0.000128435	0.000291302	0.000158978	0.000218098	0.00014146	0.000127068	0.000294576	0.000158978	0.00022469	5744
5745	0.000150662	0.000135027	0.000306216	0.00016704	0.000222558	0.000148676	0.00013355	0.000309604	0.00016704	0.00022958	5745
5746	0.000161342	0.000144617	0.00032775	0.000178826	0.000222718	0.000159195	0.000143014	0.000331349	0.000178826	0.000229715	5746
5747	0.000175274	0.000156998	0.000357103	0.000194598	0.00022161	0.000173065	0.000155383	0.00036118	0.000194598	0.000228462	5747
5748	0.000192091	0.000171764	0.000394331	0.000214661	0.000214067	0.000190222	0.000170547	0.000399543	0.000214661	0.000222127	5748
5749	0.000207342	0.00018524	0.000427232	0.000232528	0.000215293	0.000205655	0.000184258	0.000433303	0.000232528	0.0002235	5749
5750	0.000223912	0.000199786	0.000463948	0.000252465	0.000212191	0.000222635	0.000199268	0.000471237	0.000252465	0.000220076	5750
5751	0.000236839	0.000211218	0.000491744	0.000267716	0.000212222	0.000235766	0.000210946	0.000499829	0.000267716	0.000218082	5751
5752	0.000243183	0.000216914	0.000504546	0.000274715	0.000201049	0.000242013	0.000216565	0.000512754	0.000274715	0.000205715	5752
5753	0.000247142	0.000220634	0.000510882	0.000278685	0.000192445	0.000245772	0.000220093	0.000518979	0.000278685	0.000196223	5753
5754	0.000244743	0.000218696	0.000503894	0.000273339	0.000187284	0.000242257	0.000217053	0.000510394	0.000273339	0.000190544	5754
5755	0.000240808	0.000215545	0.000492158	0.000264284	0.000170433	0.000236369	0.000211977	0.000495875	0.000264284	0.00017598	5755
5756	0.000228813	0.00020528	0.000462953	0.000247842	0.000153352	0.000223242	0.00020055	0.000464666	0.000247842	0.000160955	5756
5757	0.000209811	0.000188568	0.000421167	0.000224596	0.000138616	0.000203677	0.000183171	0.000421837	0.000224596	0.00014668	5757
5758	0.000186568	0.000168612	0.000365219	0.000195244	0.000127125	0.00017964	0.000162162	0.000365586	0.000195244	0.000135824	5758
5759	0.000161855	0.000146336	0.00031626	0.000169609	0.000122638	0.000156009	0.000140869	0.000317089	0.000169609	0.000130883	5759
5760	0.000142616	0.000128917	0.000278913	0.000151046	0.000121017	0.000138216	0.000124804	0.000280912	0.000151046	0.000129094	5760
5761	0.00012577	0.000113612	0.000246723	0.000135062	0.000121239	0.000122745	0.000110794	0.000249892	0.000135062	0.000129338	5761
5762	0.000116943	0.000105629	0.000229508	0.000126439	0.000122589	0.000114536	0.000103387	0.000233153	0.000126439	0.000130888	5762
5763	0.000110735	0.000100116	0.000216392	0.000119806	0.000130663	0.000108533	9.805E-05	0.000220061	0.000119806	0.000139866	5763
5764	0.000111573	0.000100923	0.000217529	0.000120876	0.000143907	0.000109435	9.89189E-05	0.000221319	0.000120876	0.000154558	5764
5765	0.000119244	0.000107851	0.000232597	0.000129149	0.000157987	0.000116914	0.00010568	0.000236437	0.000129149	0.000170153	5765
5766	0.000128642	0.000116312	0.000251318	0.00013895	0.000164258	0.000125922	0.000113788	0.00025501	0.00013895	0.000177276	5766
5767	0.000134491	0.000121452	0.000264221	0.000145172	0.000215351	0.000131469	0.000118705	0.000267263	0.000145172	0.000221582	5767

5768	0.00014331	0.000128435	0.000291302	0.000158978	0.000218098	0.00014146	0.000127068	0.000294576	0.000158978	0.00022469	5768
5769	0.000150662	0.000135027	0.000306216	0.00016704	0.000222558	0.000148676	0.00013355	0.000309604	0.00016704	0.00022958	5769
5770	0.000161342	0.000144617	0.00032775	0.000178826	0.000222718	0.000159195	0.000143014	0.000331349	0.000178826	0.000229715	5770
5771	0.000175274	0.000156998	0.000357103	0.000194598	0.00022161	0.000173065	0.000155383	0.00036118	0.000194598	0.000228462	5771
5772	0.000192091	0.000171764	0.000394331	0.000214661	0.000214067	0.000190222	0.000170547	0.000399543	0.000214661	0.000222127	5772
5773	0.000207342	0.00018524	0.000427232	0.000232528	0.000215293	0.000205655	0.000184258	0.000433303	0.000232528	0.00022235	5773
5774	0.000223912	0.000199786	0.000463948	0.000252465	0.000212191	0.000222635	0.000199268	0.000471237	0.000252465	0.000220076	5774
5775	0.000236839	0.000211218	0.000491744	0.000267716	0.000212222	0.000235766	0.000210946	0.000499829	0.000267716	0.000218082	5775
5776	0.000243183	0.000216914	0.000504546	0.000274715	0.000201049	0.000242013	0.000216565	0.000512754	0.000274715	0.000205715	5776
5777	0.000247142	0.000220634	0.000510882	0.000278685	0.000192445	0.000245772	0.000220093	0.000518979	0.000278685	0.000196223	5777
5778	0.000244743	0.000218696	0.000503894	0.000273339	0.000187284	0.000242257	0.000217053	0.000510394	0.000273339	0.000190544	5778
5779	0.000240808	0.000215545	0.000492158	0.000264284	0.000170433	0.000236369	0.000211977	0.000495875	0.000264284	0.00017598	5779
5780	0.000228813	0.00020528	0.000462953	0.000247842	0.000153352	0.000223242	0.00020055	0.000464666	0.000247842	0.000160955	5780
5781	0.000209811	0.000188568	0.000421167	0.000224596	0.000138616	0.000203677	0.000183171	0.000421837	0.000224596	0.00014668	5781
5782	0.000186568	0.000168612	0.000365219	0.000195244	0.000127125	0.00017964	0.000162162	0.000365586	0.000195244	0.000135824	5782
5783	0.000161855	0.000146336	0.00031626	0.000169609	0.000122638	0.000156009	0.000140869	0.000317089	0.000169609	0.000130883	5783
5784	0.000142616	0.000128917	0.000278913	0.000151046	0.000121017	0.000138216	0.000124804	0.000280912	0.000151046	0.000129094	5784
5785	0.000126415	0.000114178	0.000248171	0.000135821	0.000121072	0.000123398	0.000111369	0.000251377	0.000135821	0.000129162	5785
5786	0.000117624	0.000106233	0.000230954	0.000127232	0.000122895	0.000115224	0.000104	0.000234636	0.000127232	0.000131225	5786
5787	0.000111511	0.000100802	0.000218063	0.000120712	0.000130933	0.000109317	9.87466E-05	0.000221775	0.000120712	0.000140161	5787
5788	0.000112136	0.000101421	0.000218742	0.000121534	0.000144164	0.000110004	9.94247E-05	0.000222563	0.000121534	0.00015484	5788
5789	0.000119648	0.000108208	0.000233472	0.000129622	0.000158237	0.000117323	0.000106042	0.000237334	0.000129622	0.000170428	5789
5790	0.000128737	0.000116398	0.000251505	0.000139059	0.000164256	0.000126017	0.000113874	0.000255202	0.000139059	0.000177273	5790
5791	0.000133129	0.000119946	0.000264293	0.00014512	0.000215858	0.000130604	0.000117752	0.000267337	0.00014512	0.000222143	5791
5792	0.000143809	0.000128878	0.000292369	0.00015956	0.000218333	0.000141965	0.000127518	0.000295671	0.00015956	0.000224948	5792
5793	0.000151495	0.000135769	0.000307954	0.000168007	0.000222792	0.000149517	0.000134302	0.000311385	0.000168007	0.000229833	5793
5794	0.000162657	0.000145783	0.000330537	0.000180356	0.000223135	0.000160522	0.000144197	0.000334207	0.000180356	0.000230168	5794
5795	0.000177245	0.000158752	0.000361243	0.00019689	0.000222095	0.000175054	0.000157161	0.000365424	0.00019689	0.000228988	5795
5796	0.000194443	0.000173861	0.000399224	0.00021739	0.000214526	0.000192595	0.000172672	0.000404558	0.00021739	0.000222625	5796
5797	0.000210767	0.000188276	0.000434539	0.000236521	0.000215836	0.000209114	0.000187338	0.000440794	0.000236521	0.000224091	5797
5798	0.000228378	0.000203729	0.000473613	0.000257685	0.000212872	0.000227148	0.000203274	0.000481146	0.000257685	0.000220819	5798
5799	0.000241537	0.000215366	0.000501915	0.000273207	0.000212733	0.000240513	0.00021516	0.000510255	0.000273207	0.000218636	5799
5800	0.000247974	0.000221138	0.000514975	0.000280321	0.000201552	0.000246856	0.000220859	0.000523446	0.000280321	0.000206259	5800
5801	0.000251799	0.00022475	0.000520911	0.000284122	0.000192961	0.000250477	0.000224273	0.000529261	0.000284122	0.000196781	5801
5802	0.000249767	0.00022313	0.000514784	0.000279213	0.000187832	0.000247334	0.000221559	0.000521559	0.000279213	0.000191137	5802
5803	0.000245062	0.000219308	0.000501299	0.000269249	0.000171042	0.000240666	0.000215798	0.000505246	0.000269249	0.000176641	5803
5804	0.000232773	0.000208781	0.000471478	0.000252465	0.000153978	0.000227243	0.000204106	0.000473404	0.000252465	0.000161634	5804
5805	0.000214866	0.000193346	0.000428972	0.000228952	0.000139305	0.000208272	0.000187446	0.000429837	0.000228952	0.00014743	5805
5806	0.000189667	0.000171355	0.000371853	0.000198858	0.000127908	0.000182769	0.000164947	0.000372387	0.000198858	0.000136677	5806
5807	0.000164262	0.000148473	0.000321353	0.00017241	0.000123351	0.000158439	0.000143036	0.00032231	0.00017241	0.000131661	5807
5808	0.000143995	0.000130145	0.000281791	0.000152646	0.000121316	0.000139607	0.000126048	0.000283862	0.000152646	0.000129419	5808
5809	0.000126415	0.000114178	0.000248171	0.000135821	0.000121072	0.000123398	0.000111369	0.000251377	0.000135821	0.000129162	5809
5810	0.000117624	0.000106233	0.000230954	0.000127232	0.000122895	0.000115224	0.000104	0.000234636	0.000127232	0.000131225	5810
5811	0.000111511	0.000100802	0.000218063	0.000120712	0.000130933	0.000109317	9.87466E-05	0.000221775	0.000120712	0.000140161	5811
5812	0.000112136	0.000101421	0.000218742	0.000121534	0.000144164	0.000110004	9.94247E-05	0.000222563	0.000121534	0.00015484	5812
5813	0.000119648	0.000108208	0.000233472	0.000129622	0.000158237	0.000117323	0.000106042	0.000237334	0.000129622	0.000170428	5813
5814	0.000128737	0.000116398	0.000251505	0.000139059	0.000164256	0.000126017	0.000113874	0.000255202	0.000139059	0.000177273	5814
5815	0.000133129	0.000119946	0.000264293	0.00014512	0.000215858	0.000130604	0.000117752	0.000267337	0.00014512	0.000222143	5815
5816	0.000143809	0.000128878	0.000292369	0.00015956	0.000218333	0.000141965	0.000127518	0.000295671	0.00015956	0.000224948	5816
5817	0.000151495	0.000135769	0.000307954	0.000168007	0.000222792	0.000149517	0.000134302	0.000311385	0.000168007	0.000229833	5817
5818	0.000162657	0.000145783	0.000330537	0.000180356	0.000223135	0.000160522	0.000144197	0.000334207	0.000180356	0.000230168	5818
5819	0.000177245	0.000158752	0.000361243	0.00019689	0.000222095	0.000175054	0.000157161	0.000365424	0.00019689	0.000228988	5819
5820	0.000194443	0.000173861	0.000399224	0.00021739	0.000214526	0.000192595	0.000172672	0.000404558	0.00021739	0.000222625	5820
5821	0.000210767	0.000188276	0.000434539	0.000236521	0.000215836	0.000209114	0.000187338	0.000440794	0.000236521	0.000224091	5821
5822	0.000228378	0.000203729	0.000473613	0.000257685	0.000212872	0.000227148	0.000203274	0.000481146	0.000257685	0.000220819	5822
5823	0.000241537	0.000215366	0.000501915	0.000273207	0.000212733	0.000240513	0.00021516	0.000510255	0.000273207	0.000218636	5823
5824	0.000247974	0.000221138	0.000514975	0.000280321	0.000201552	0.000246856	0.000220859	0.000523446	0.000280321	0.000206259	5824
5825	0.000251799	0.00022475	0.000520911	0.000284122	0.000192961	0.000250477	0.000224273	0.000529261	0.000284122	0.000196781	5825
5826	0.000249767	0.00022313	0.000514784	0.000279213	0.000187832	0.000247334	0.000221559	0.000521559	0.000279213	0.000191137	5826
5827	0.000245062	0.000219308	0.000501299	0.000269249	0.000171042	0.000240666	0.000215798	0.000505246	0.000269249	0.000176641	5827
5828	0.000232773	0.000208781	0.000471478	0.000252465	0.000153978	0.000227243	0.000204106	0.000473404	0.000252465	0.000161634	5828
5829	0.000214866	0.000193346	0.000428972	0.000228952	0.000139305	0.000208272	0.000187446	0.000429837	0.000228952	0.00014743	5829
5830	0.000189667	0.000171355	0.000371853	0.000198858	0.000127908	0.000182769	0.000164947	0.000372387	0.000198858	0.000136677	5830
5831	0.000164262	0.000148473	0.000321353	0.00017241	0.000123351	0.000158439	0.000143036	0.00032231	0.00017241	0.000131661	5831
5832	0.000143995	0.000130145	0.000281791	0.000152646	0.000121316	0.000139607	0.000126048	0.000283862	0.000152646	0.000129419	5832
5833	0.000126415	0.000114178	0.000248171	0.000135821	0.000121072	0.000123398	0.000111369	0.000251377	0.000135821	0.000129162	5833
5834	0.000117624	0.000106233	0.000230954	0.000127232	0.000122895	0.000115224	0.000104	0.000234636	0.000127232	0.000131225	5834
5835	0.000111511	0.000100802	0.000218063	0.000120712	0.000130933	0.000109317	9.87466E-05	0.000221775	0.000120712	0.000140161	5835
5836	0.000112136	0.000101421	0.000218742	0.000121534	0.000144164	0.000110004	9.94247E-05	0.000222563	0.000121534	0.00015484	5836
5837	0.000119648	0.000108208	0.000233472	0.000129622	0.000158237	0.000117323	0.000106042	0.000237334	0.000129622	0.000170428	5837
5838	0.000128737	0.000116398	0.000251505	0.000139059	0.000164256	0.000126017	0.000113874	0.000255202	0.000139059	0.000177273	5838
5839	0.000133129	0.000119946	0.000264293	0.00014512	0.000215858	0.000130604	0.000117752	0.000267337	0.00014512	0.000222143	5839
5840	0.000143809	0.000128878	0.000292369	0.00015956	0.000218333	0.000141965	0.000127518	0.000295671	0.00015956	0.000224948	5840
5841	0.000151495	0.000135769	0.000307954	0.000168007	0.000222792	0.000149517	0.000134302	0.000311385	0.000168007	0.000229833	5841
5842	0.000162657	0.000145783	0.000330537	0.000180356	0.000223135	0.000160522	0.000144197	0.000334207	0.000180356	0.000230168	5842
5843	0.000177245	0.000158752	0.000361243	0.00019689	0.000222095	0.000175054	0.000157161	0.000365424	0.00019689	0.000228988	5843

5844	0.000194443	0.000173861	0.000399224	0.00021739	0.000214526	0.000192595	0.000172672	0.000404558	0.00021739	0.000222625	5844
5845	0.000210767	0.000188276	0.000434539	0.000236521	0.000215836	0.000209114	0.000187338	0.000440794	0.000236521	0.000224091	5845
5846	0.000228378	0.000203729	0.000473613	0.000257685	0.000212872	0.000227148	0.000203274	0.000481146	0.000257685	0.000220819	5846
5847	0.000241537	0.000215366	0.000501915	0.000273207	0.000212733	0.000240513	0.00021516	0.000510255	0.000273207	0.000218636	5847
5848	0.000247974	0.000221138	0.000514975	0.000280321	0.000201552	0.000246856	0.000220859	0.000523446	0.000280321	0.000206259	5848
5849	0.000251799	0.00022475	0.000520911	0.000284122	0.000192961	0.000250477	0.000224273	0.000529261	0.000284122	0.000196781	5849
5850	0.000249767	0.00022313	0.000514784	0.000279213	0.000187832	0.000247334	0.000221559	0.000521559	0.000279213	0.000191137	5850
5851	0.000245062	0.000219308	0.000501299	0.000269249	0.000171042	0.000240666	0.000215798	0.000505246	0.000269249	0.000176641	5851
5852	0.000232773	0.000208781	0.000471478	0.000252465	0.000153978	0.000227243	0.000204106	0.000473404	0.000252465	0.000161634	5852
5853	0.000214866	0.000193346	0.000428972	0.000228952	0.000139305	0.000208272	0.000187446	0.000429837	0.000228952	0.00014743	5853
5854	0.000189667	0.000171355	0.000371853	0.000198858	0.000127908	0.000182769	0.000164947	0.000372387	0.000198858	0.000136677	5854
5855	0.000164262	0.000148473	0.000321353	0.00017241	0.000123351	0.000158439	0.000143036	0.00032231	0.00017241	0.000131661	5855
5856	0.000143995	0.000130145	0.000281791	0.000152646	0.000121316	0.000139607	0.000126048	0.000283862	0.000152646	0.000129419	5856
5857	6.96778E-05	7.46695E-05	2.00147E-05	6.03594E-05	0.000114411	6.84848E-05	7.31217E-05	1.91529E-05	6.03594E-05	0.000121857	5857
5858	6.63577E-05	7.13174E-05	1.7013E-05	5.8643E-05	0.000117126	6.59086E-05	7.05071E-05	1.69837E-05	5.8643E-05	0.000124883	5858
5859	6.57348E-05	7.07345E-05	1.59922E-05	5.88628E-05	0.000125369	6.57062E-05	7.03462E-05	1.63409E-05	5.88628E-05	0.000134055	5859
5860	6.8753E-05	7.40159E-05	1.63913E-05	6.26928E-05	0.000136751	6.92584E-05	7.41678E-05	1.7027E-05	6.26928E-05	0.000146686	5860
5861	7.56742E-05	8.1418E-05	1.8528E-05	6.9089E-05	0.000151099	7.62301E-05	8.16033E-05	1.90644E-05	6.9089E-05	0.000162577	5861
5862	8.22955E-05	8.84193E-05	2.13691E-05	7.46155E-05	0.000159016	8.25687E-05	8.83101E-05	2.14857E-05	7.46155E-05	0.000171514	5862
5863	8.3608E-05	8.95397E-05	2.45923E-05	7.67526E-05	0.000212227	8.40831E-05	8.9744E-05	2.3856E-05	7.67526E-05	0.000218159	5863
5864	8.12805E-05	8.68521E-05	2.58474E-05	7.66101E-05	0.000216476	8.24875E-05	8.79159E-05	2.47347E-05	7.66101E-05	0.000222958	5864
5865	8.19237E-05	8.74778E-05	2.66649E-05	7.68996E-05	0.000218831	8.29483E-05	8.83651E-05	2.5318E-05	7.68996E-05	0.000225491	5865
5866	8.61202E-05	9.19354E-05	2.82634E-05	8.03382E-05	0.000219115	8.6953E-05	9.26168E-05	2.66952E-05	8.03382E-05	0.000225762	5866
5867	8.94177E-05	9.54374E-05	2.95266E-05	8.30001E-05	0.000220316	9.0081E-05	9.59373E-05	2.77755E-05	8.30001E-05	0.000227082	5867
5868	9.0179E-05	9.63221E-05	2.90603E-05	8.34922E-05	0.000214589	9.08089E-05	9.67636E-05	2.74555E-05	8.34922E-05	0.00022277	5868
5869	9.32587E-05	9.96668E-05	2.95033E-05	8.63744E-05	0.000212376	9.39681E-05	0.000100168	2.80013E-05	8.63744E-05	0.000220313	5869
5870	9.72718E-05	0.000104087	2.94699E-05	9.08705E-05	0.000206786	9.84675E-05	0.000105053	2.8401E-05	9.08705E-05	0.000214131	5870
5871	0.000102968	0.00011028	3.02136E-05	9.6413E-05	0.000202815	0.000104412	0.000111463	2.9393E-05	9.6413E-05	0.000207696	5871
5872	0.000111315	0.000119276	3.21164E-05	0.000103458	0.00019138	0.000112573	0.000120217	3.12454E-05	0.000103458	0.000195024	5872
5873	0.000118733	0.000127224	3.42533E-05	0.000110979	0.000183338	0.000120357	0.000128527	3.34352E-05	0.000110979	0.000186142	5873
5874	0.000122421	0.000130823	3.88231E-05	0.000113019	0.000177443	0.00012318	0.000131303	3.67614E-05	0.000113019	0.00017966	5874
5875	0.000126325	0.00013439	4.60862E-05	0.00011233	0.000160013	0.000124689	0.000132505	4.1536E-05	0.00011233	0.000164454	5875
5876	0.000121646	0.000128975	4.87251E-05	0.000106536	0.000143829	0.000118986	0.000126142	4.28529E-05	0.000106536	0.000150439	5876
5877	0.000114081	0.000120828	4.69566E-05	9.67314E-05	0.000129717	0.00011005	0.000116563	4.07576E-05	9.67314E-05	0.000136862	5877
5878	0.000102581	0.000108722	4.14872E-05	8.44616E-05	0.000119177	9.7878E-05	0.000103702	3.59122E-05	8.44616E-05	0.000127059	5878
5879	8.90286E-05	9.45048E-05	3.45446E-05	7.38467E-05	0.000115394	8.53088E-05	9.04827E-05	3.02634E-05	7.38467E-05	0.000122898	5879
5880	7.90523E-05	8.42785E-05	2.70559E-05	6.69323E-05	0.000113506	7.66526E-05	8.15505E-05	2.45438E-05	6.69323E-05	0.00012084	5880
5881	6.96778E-05	7.46695E-05	2.00147E-05	6.03594E-05	0.000114411	6.84848E-05	7.31217E-05	1.91529E-05	6.03594E-05	0.000121857	5881
5882	6.63577E-05	7.13174E-05	1.7013E-05	5.8643E-05	0.000117126	6.59086E-05	7.05071E-05	1.69837E-05	5.8643E-05	0.000124883	5882
5883	6.57348E-05	7.07345E-05	1.59922E-05	5.88628E-05	0.000125369	6.57062E-05	7.03462E-05	1.63409E-05	5.88628E-05	0.000134055	5883
5884	6.8753E-05	7.40159E-05	1.63913E-05	6.26928E-05	0.000136751	6.92584E-05	7.41678E-05	1.7027E-05	6.26928E-05	0.000146686	5884
5885	7.56742E-05	8.1418E-05	1.8528E-05	6.9089E-05	0.000151099	7.62301E-05	8.16033E-05	1.90644E-05	6.9089E-05	0.000162577	5885
5886	8.22955E-05	8.84193E-05	2.13691E-05	7.46155E-05	0.000159016	8.25687E-05	8.83101E-05	2.14857E-05	7.46155E-05	0.000171514	5886
5887	8.3608E-05	8.95397E-05	2.45923E-05	7.67526E-05	0.000212227	8.40831E-05	8.9744E-05	2.3856E-05	7.67526E-05	0.000218159	5887
5888	8.12805E-05	8.68521E-05	2.58474E-05	7.66101E-05	0.000216476	8.24875E-05	8.79159E-05	2.47347E-05	7.66101E-05	0.000222958	5888
5889	8.19237E-05	8.74778E-05	2.66649E-05	7.68996E-05	0.000218831	8.29483E-05	8.83651E-05	2.5318E-05	7.68996E-05	0.000225491	5889
5890	8.61202E-05	9.19354E-05	2.82634E-05	8.03382E-05	0.000219115	8.6953E-05	9.26168E-05	2.66952E-05	8.03382E-05	0.000225762	5890
5891	8.94177E-05	9.54374E-05	2.95266E-05	8.30001E-05	0.000220316	9.0081E-05	9.59373E-05	2.77755E-05	8.30001E-05	0.000227082	5891
5892	9.0179E-05	9.63221E-05	2.90603E-05	8.34922E-05	0.000214589	9.08089E-05	9.67636E-05	2.74555E-05	8.34922E-05	0.00022277	5892
5893	9.32587E-05	9.96668E-05	2.95033E-05	8.63744E-05	0.000212376	9.39681E-05	0.000100168	2.80013E-05	8.63744E-05	0.000220313	5893
5894	9.72718E-05	0.000104087	2.94699E-05	9.08705E-05	0.000206786	9.84675E-05	0.000105053	2.8401E-05	9.08705E-05	0.000214131	5894
5895	0.000102968	0.00011028	3.02136E-05	9.6413E-05	0.000202815	0.000104412	0.000111463	2.9393E-05	9.6413E-05	0.000207696	5895
5896	0.000111315	0.000119276	3.21164E-05	0.000103458	0.00019138	0.000112573	0.000120217	3.12454E-05	0.000103458	0.000195024	5896
5897	0.000118733	0.000127224	3.42533E-05	0.000110979	0.000183338	0.000120357	0.000128527	3.34352E-05	0.000110979	0.000186142	5897
5898	0.000122421	0.000130823	3.88231E-05	0.000113019	0.000177443	0.00012318	0.000131303	3.67614E-05	0.000113019	0.00017966	5898
5899	0.000126325	0.00013439	4.60862E-05	0.00011233	0.000160013	0.000124689	0.000132505	4.1536E-05	0.00011233	0.000164454	5899
5900	0.000121646	0.000128975	4.87251E-05	0.000106536	0.000143829	0.000118986	0.000126142	4.28529E-05	0.000106536	0.000150439	5900
5901	0.000114081	0.000120828	4.69566E-05	9.67314E-05	0.000129717	0.00011005	0.000116563	4.07576E-05	9.67314E-05	0.000136862	5901
5902	0.000102581	0.000108722	4.14872E-05	8.44616E-05	0.000119177	9.7878E-05	0.000103702	3.59122E-05	8.44616E-05	0.000127059	5902
5903	8.90286E-05	9.45048E-05	3.45446E-05	7.38467E-05	0.000115394	8.53088E-05	9.04827E-05	3.02634E-05	7.38467E-05	0.000122898	5903
5904	7.90523E-05	8.42785E-05	2.70559E-05	6.69323E-05	0.000113506	7.66526E-05	8.15505E-05	2.45438E-05	6.69323E-05	0.00012084	5904
5905	7.09407E-05	7.60373E-05	2.02333E-05	6.15302E-05	0.000113697	6.97723E-05	7.45068E-05	1.94015E-05	6.15302E-05	0.000121042	5905
5906	6.61708E-05	7.11153E-05	1.69763E-05	5.84419E-05	0.000117851	6.57058E-05	7.02895E-05	1.69389E-05	5.84419E-05	0.000125695	5906
5907	6.56026E-05	7.05909E-05	1.59723E-05	5.87598E-05	0.000126059	6.558E-05	7.021E-05	1.63205E-05	5.87598E-05	0.000134827	5907
5908	6.87758E-05	7.40401E-05	1.64007E-05	6.27491E-05	0.000137696	6.92971E-05	7.42087E-05	1.70415E-05	6.27491E-05	0.000147739	5908
5909	7.59386E-05	8.17032E-05	1.85858E-05	6.94121E-05	0.000152483	7.65339E-05	8.19286E-05	1.91388E-05	6.94121E-05	0.000164115	5909
5910	8.23331E-05	8.84585E-05	2.13904E-05	7.47457E-05	0.000160916	8.26488E-05	8.83945E-05	2.15205E-05	7.47457E-05	0.000173625	5910
5911	8.48E-05	9.08505E-05	2.46028E-05	7.66914E-05	0.000214425	8.47873E-05	9.05136E-05	2.3865E-05	7.66914E-05	0.000220595	5911
5912	8.06067E-05	8.6123E-05	2.57246E-05	7.59452E-05	0.000219252	8.1783E-05	8.71587E-05	2.45905E-05	7.59452E-05	0.00022603	5912
5913	8.11942E-05	8.66881E-05	2.65349E-05	7.61989E-05	0.000221888	8.21939E-05	8.7554E-05	2.51674E-05	7.61989E-05	0.000228867	5913
5914	8.61057E-05	9.19195E-05	2.82625E-05	8.03353E-05	0.000222111	8.69428E-05	9.26056E-05	2.66954E-05	8.03353E-05	0.000229064	5914
5915	9.03417E-05	9.64375E-05	2.96937E-05	8.39029E-05	0.000223402	9.10433E-05	9.69717E-05	2.79707E-05	8.39029E-05	0.000230474	5915
5916	9.16557E-05	9.79196E-05	2.93346E-05	8.49825E-05	0.000217758	9.23675E-05	9.84382E-05	2.77809E-05	8.49825E-05	0.000226256	5916
5917	9.52282E-05	0.000101798	2.9863E-05	8.83222E-05	0.000215198	9.60294E-05	0.000102384	2.8424E-05	8.83222E-05	0.000223412	5917
5918	9.97666E-05	0.000106788	2.99041E-05	9.31992E-05	0.000209936	0.000101018	0.000107797	2.88966E-05	9.31992E-05	0.000217592	5918
5919	0.000106011	0.000113576	3.07418E-05	9.92436E-05	0.000205778	0.000107519	0.000114805	2.99947E-05	9.92436E-05	0.000210949	5919

5920	0.000115448	0.000123753	3.28162E-05	0.000107189	0.000194405	0.000116742	0.000124704	3.203E-05	0.000107189	0.000198347	5920
5921	0.0001233	0.000132165	3.50964E-05	0.000115555	0.000186502	0.000125163	0.000133691	3.44322E-05	0.000115555	0.000189623	5921
5922	0.000126337	0.000135059	3.95616E-05	0.000117043	0.000180696	0.000127345	0.000135776	3.76451E-05	0.000117043	0.000183252	5922
5923	0.000129708	0.000138051	4.67007E-05	0.000115654	0.000163287	0.00012822	0.0001363	4.22558E-05	0.000115654	0.000168069	5923
5924	0.00012444	0.000132001	4.92109E-05	0.000109141	0.000146972	0.000121841	0.000129213	4.3407E-05	0.000109141	0.000153908	5924
5925	0.000114981	0.000121783	4.73071E-05	9.87247E-05	0.000132189	0.000111475	0.000118085	4.11583E-05	9.87247E-05	0.000139586	5925
5926	0.00010425	0.00011053	4.17688E-05	8.5962E-05	0.000121007	9.95589E-05	0.000105512	3.62272E-05	8.5962E-05	0.000129069	5926
5927	9.04262E-05	9.6017E-05	3.48014E-05	7.52392E-05	0.000117042	8.67761E-05	9.20595E-05	3.05663E-05	7.52392E-05	0.000124707	5927
5928	8.00609E-05	8.53698E-05	2.72418E-05	6.79406E-05	0.000114687	7.7713E-05	8.26899E-05	2.47634E-05	6.79406E-05	0.000122136	5928
5929	7.09407E-05	7.60373E-05	2.02333E-05	6.15302E-05	0.000113697	6.97723E-05	7.45068E-05	1.94015E-05	6.15302E-05	0.000121042	5929
5930	6.61708E-05	7.11153E-05	1.69763E-05	5.84419E-05	0.000117851	6.57058E-05	7.02895E-05	1.69389E-05	5.84419E-05	0.000125695	5930
5931	6.56026E-05	7.05909E-05	1.59723E-05	5.87598E-05	0.000126059	6.558E-05	7.021E-05	1.63205E-05	5.87598E-05	0.000134827	5931
5932	6.87758E-05	7.40401E-05	1.64007E-05	6.27491E-05	0.000137696	6.92971E-05	7.42087E-05	1.70415E-05	6.27491E-05	0.000147739	5932
5933	7.59386E-05	8.17032E-05	1.85858E-05	6.94121E-05	0.000152483	7.65339E-05	8.19286E-05	1.91388E-05	6.94121E-05	0.000164115	5933
5934	8.23331E-05	8.84585E-05	2.13904E-05	7.47457E-05	0.000160916	8.26488E-05	8.83945E-05	2.15205E-05	7.47457E-05	0.000173625	5934
5935	8.48E-05	9.08505E-05	2.46028E-05	7.66914E-05	0.000214425	8.47873E-05	9.05136E-05	2.3865E-05	7.66914E-05	0.000220595	5935
5936	8.06067E-05	8.6123E-05	2.57246E-05	7.59452E-05	0.000219252	8.1783E-05	8.71587E-05	2.45905E-05	7.59452E-05	0.00022603	5936
5937	8.11942E-05	8.66881E-05	2.65349E-05	7.61989E-05	0.000221888	8.21939E-05	8.7554E-05	2.51674E-05	7.61989E-05	0.000228867	5937
5938	8.61057E-05	9.19195E-05	2.82625E-05	8.03353E-05	0.000222111	8.69428E-05	9.26056E-05	2.66954E-05	8.03353E-05	0.000229064	5938
5939	9.03417E-05	9.64375E-05	2.96937E-05	8.39029E-05	0.000223402	9.10433E-05	9.69717E-05	2.79707E-05	8.39029E-05	0.000230474	5939
5940	9.16557E-05	9.79196E-05	2.93346E-05	8.49825E-05	0.000217758	9.23675E-05	9.84382E-05	2.77809E-05	8.49825E-05	0.000226256	5940
5941	9.52282E-05	0.000101798	2.9863E-05	8.83222E-05	0.000215198	9.60294E-05	0.000102384	2.8424E-05	8.83222E-05	0.000223412	5941
5942	9.97666E-05	0.000106788	2.99041E-05	9.31992E-05	0.000209936	0.000101018	0.000107797	2.88966E-05	9.31992E-05	0.000217592	5942
5943	0.000106011	0.000113576	3.07418E-05	9.92436E-05	0.000205778	0.000107519	0.000114805	2.99947E-05	9.92436E-05	0.000210949	5943
5944	0.000115448	0.000123753	3.28162E-05	0.000107189	0.000194405	0.000116742	0.000124704	3.203E-05	0.000107189	0.000198347	5944
5945	0.0001233	0.000132165	3.50964E-05	0.000115555	0.000186502	0.000125163	0.000133691	3.44322E-05	0.000115555	0.000189623	5945
5946	0.000126337	0.000135059	3.95616E-05	0.000117043	0.000180696	0.000127345	0.000135776	3.76451E-05	0.000117043	0.000183252	5946
5947	0.000129708	0.000138051	4.67007E-05	0.000115654	0.000163287	0.00012822	0.0001363	4.22558E-05	0.000115654	0.000168069	5947
5948	0.00012444	0.000132001	4.92109E-05	0.000109141	0.000146972	0.000121841	0.000129213	4.3407E-05	0.000109141	0.000153908	5948
5949	0.000114981	0.000121783	4.73071E-05	9.87247E-05	0.000132189	0.000111475	0.000118085	4.11583E-05	9.87247E-05	0.000139586	5949
5950	0.00010425	0.00011053	4.17688E-05	8.5962E-05	0.000121007	9.95589E-05	0.000105512	3.62272E-05	8.5962E-05	0.000129069	5950
5951	9.04262E-05	9.6017E-05	3.48014E-05	7.52392E-05	0.000117042	8.67761E-05	9.20595E-05	3.05663E-05	7.52392E-05	0.000124707	5951
5952	8.00609E-05	8.53698E-05	2.72418E-05	6.79406E-05	0.000114687	7.7713E-05	8.26899E-05	2.47634E-05	6.79406E-05	0.000122136	5952
5953	7.09407E-05	7.60373E-05	2.02333E-05	6.15302E-05	0.000113697	6.97723E-05	7.45068E-05	1.94015E-05	6.15302E-05	0.000121042	5953
5954	6.61708E-05	7.11153E-05	1.69763E-05	5.84419E-05	0.000117851	6.57058E-05	7.02895E-05	1.69389E-05	5.84419E-05	0.000125695	5954
5955	6.56026E-05	7.05909E-05	1.59723E-05	5.87598E-05	0.000126059	6.558E-05	7.021E-05	1.63205E-05	5.87598E-05	0.000134827	5955
5956	6.87758E-05	7.40401E-05	1.64007E-05	6.27491E-05	0.000137696	6.92971E-05	7.42087E-05	1.70415E-05	6.27491E-05	0.000147739	5956
5957	7.59386E-05	8.17032E-05	1.85858E-05	6.94121E-05	0.000152483	7.65339E-05	8.19286E-05	1.91388E-05	6.94121E-05	0.000164115	5957
5958	8.23331E-05	8.84585E-05	2.13904E-05	7.47457E-05	0.000160916	8.26488E-05	8.83945E-05	2.15205E-05	7.47457E-05	0.000173625	5958
5959	8.48E-05	9.08505E-05	2.46028E-05	7.66914E-05	0.000214425	8.47873E-05	9.05136E-05	2.3865E-05	7.66914E-05	0.000220595	5959
5960	8.06067E-05	8.6123E-05	2.57246E-05	7.59452E-05	0.000219252	8.1783E-05	8.71587E-05	2.45905E-05	7.59452E-05	0.00022603	5960
5961	8.11942E-05	8.66881E-05	2.65349E-05	7.61989E-05	0.000221888	8.21939E-05	8.7554E-05	2.51674E-05	7.61989E-05	0.000228867	5961
5962	8.61057E-05	9.19195E-05	2.82625E-05	8.03353E-05	0.000222111	8.69428E-05	9.26056E-05	2.66954E-05	8.03353E-05	0.000229064	5962
5963	9.03417E-05	9.64375E-05	2.96937E-05	8.39029E-05	0.000223402	9.10433E-05	9.69717E-05	2.79707E-05	8.39029E-05	0.000230474	5963
5964	9.16557E-05	9.79196E-05	2.93346E-05	8.49825E-05	0.000217758	9.23675E-05	9.84382E-05	2.77809E-05	8.49825E-05	0.000226256	5964
5965	9.52282E-05	0.000101798	2.9863E-05	8.83222E-05	0.000215198	9.60294E-05	0.000102384	2.8424E-05	8.83222E-05	0.000223412	5965
5966	9.97666E-05	0.000106788	2.99041E-05	9.31992E-05	0.000209936	0.000101018	0.000107797	2.88966E-05	9.31992E-05	0.000217592	5966
5967	0.000106011	0.000113576	3.07418E-05	9.92436E-05	0.000205778	0.000107519	0.000114805	2.99947E-05	9.92436E-05	0.000210949	5967
5968	0.000115448	0.000123753	3.28162E-05	0.000107189	0.000194405	0.000116742	0.000124704	3.203E-05	0.000107189	0.000198347	5968
5969	0.0001233	0.000132165	3.50964E-05	0.000115555	0.000186502	0.000125163	0.000133691	3.44322E-05	0.000115555	0.000189623	5969
5970	0.000126337	0.000135059	3.95616E-05	0.000117043	0.000180696	0.000127345	0.000135776	3.76451E-05	0.000117043	0.000183252	5970
5971	0.000129708	0.000138051	4.67007E-05	0.000115654	0.000163287	0.00012822	0.0001363	4.22558E-05	0.000115654	0.000168069	5971
5972	0.00012444	0.000132001	4.92109E-05	0.000109141	0.000146972	0.000121841	0.000129213	4.3407E-05	0.000109141	0.000153908	5972
5973	0.000114981	0.000121783	4.73071E-05	9.87247E-05	0.000132189	0.000111475	0.000118085	4.11583E-05	9.87247E-05	0.000139586	5973
5974	0.00010425	0.00011053	4.17688E-05	8.5962E-05	0.000121007	9.95589E-05	0.000105512	3.62272E-05	8.5962E-05	0.000129069	5974
5975	9.04262E-05	9.6017E-05	3.48014E-05	7.52392E-05	0.000117042	8.67761E-05	9.20595E-05	3.05663E-05	7.52392E-05	0.000124707	5975
5976	8.00609E-05	8.53698E-05	2.72418E-05	6.79406E-05	0.000114687	7.7713E-05	8.26899E-05	2.47634E-05	6.79406E-05	0.000122136	5976
5977	6.96778E-05	7.46695E-05	2.00147E-05	6.03594E-05	0.000114411	6.84848E-05	7.31217E-05	1.91529E-05	6.03594E-05	0.000121857	5977
5978	6.63577E-05	7.13174E-05	1.7013E-05	5.8643E-05	0.000117126	6.59086E-05	7.05071E-05	1.69837E-05	5.8643E-05	0.000124883	5978
5979	6.57348E-05	7.07345E-05	1.59922E-05	5.88628E-05	0.000125369	6.57062E-05	7.03462E-05	1.63409E-05	5.88628E-05	0.000134055	5979
5980	6.8753E-05	7.40159E-05	1.63913E-05	6.26928E-05	0.000136751	6.92584E-05	7.41678E-05	1.7027E-05	6.26928E-05	0.000146686	5980
5981	7.56742E-05	8.1418E-05	1.8528E-05	6.9089E-05	0.000151099	7.62301E-05	8.16033E-05	1.90644E-05	6.9089E-05	0.000162577	5981
5982	8.22955E-05	8.84193E-05	2.13691E-05	7.46155E-05	0.000159016	8.25687E-05	8.83101E-05	2.14857E-05	7.46155E-05	0.000171514	5982
5983	8.3608E-05	8.95397E-05	2.45923E-05	7.67526E-05	0.000212227	8.40831E-05	8.9744E-05	2.3856E-05	7.67526E-05	0.000218159	5983
5984	8.12805E-05	8.68521E-05	2.58474E-05	7.66101E-05	0.000216476	8.24875E-05	8.79159E-05	2.47347E-05	7.66101E-05	0.000222958	5984
5985	8.19237E-05	8.74778E-05	2.66649E-05	7.68996E-05	0.000218831	8.29483E-05	8.83651E-05	2.5318E-05	7.68996E-05	0.000225491	5985
5986	8.61202E-05	9.19354E-05	2.82634E-05	8.03382E-05	0.000219115	8.6953E-05	9.26168E-05	2.66952E-05	8.03382E-05	0.000225762	5986
5987	8.94177E-05	9.54374E-05	2.95266E-05	8.30001E-05	0.000220316	9.0081E-05	9.59373E-05	2.77755E-05	8.30001E-05	0.000227082	5987
5988	9.0179E-05	9.63221E-05	2.90603E-05	8.34922E-05	0.000214589	9.08089E-05	9.67636E-05	2.74555E-05	8.34922E-05	0.00022277	5988
5989	9.32587E-05	9.96668E-05	2.95033E-05	8.63744E-05	0.000212376	9.39681E-05	0.000100168	2.80013E-05	8.63744E-05	0.000220313	5989
5990	9.72718E-05	0.000104087	2.94699E-05	9.08705E-05	0.000206786	9.84675E-05	0.000105053	2.8401E-05	9.08705E-05	0.000214131	5990
5991	0.000102968	0.00011028	3.02136E-05	9.6413E-05	0.000202815	0.000104412	0.000111463	2.9393E-05	9.6413E-05	0.000207696	5991
5992	0.000111315	0.000119276	3.21164E-05	0.000103458	0.00019138	0.000112573	0.000120217	3.12454E-05	0.000103458	0.000195024	5992
5993	0.000118733	0.000127224	3.42533E-05	0.000110979	0.000183338	0.000120357	0.000128527	3.34352E-05	0.000110979	0.000186142	5993
5994	0.000122421	0.000130823	3.88231E-05	0.000113019	0.000177443	0.00012318	0.000131303	3.67614E-05	0.000113019	0.00017966	5994
5995	0.000126325	0.00013439	4.60862E-05	0.00011233	0.000160013	0.000124689	0.000132505	4.1536E-05	0.00011233	0.000164454	5995

5996	0.000121646	0.000128975	4.87251E-05	0.000106536	0.000143829	0.000118986	0.000126142	4.28529E-05	0.000106536	0.000150439	**5996**
5997	0.000114081	0.000120828	4.69566E-05	9.67314E-05	0.000129717	0.00011005	0.000116563	4.07576E-05	9.67314E-05	0.000136862	**5997**
5998	0.000102581	0.000108722	4.14872E-05	8.44616E-05	0.000119177	9.7878E-05	0.000103702	3.59122E-05	8.44616E-05	0.000127059	**5998**
5999	8.90286E-05	9.45048E-05	3.45446E-05	7.38467E-05	0.000115394	8.53088E-05	9.04827E-05	3.02634E-05	7.38467E-05	0.000122898	**5999**
6000	7.90523E-05	8.42785E-05	2.70559E-05	6.69323E-05	0.000113506	7.66526E-05	8.15505E-05	2.45438E-05	6.69323E-05	0.00012084	**6000**
6001	6.96778E-05	7.46695E-05	2.00147E-05	6.03594E-05	0.000114411	6.84848E-05	7.31217E-05	1.91529E-05	6.03594E-05	0.000121857	**6001**
6002	6.63577E-05	7.13174E-05	1.7013E-05	5.8643E-05	0.000117126	6.59086E-05	7.05071E-05	1.69837E-05	5.8643E-05	0.000124883	**6002**
6003	6.57348E-05	7.07345E-05	1.59922E-05	5.88628E-05	0.000125369	6.57062E-05	7.03462E-05	1.63409E-05	5.88628E-05	0.000134055	**6003**
6004	6.8753E-05	7.40159E-05	1.63913E-05	6.26928E-05	0.000136751	6.92584E-05	7.41678E-05	1.7027E-05	6.26928E-05	0.000146686	**6004**
6005	7.56742E-05	8.1418E-05	1.8528E-05	6.9089E-05	0.000151099	7.62301E-05	8.16033E-05	1.90644E-05	6.9089E-05	0.000162577	**6005**
6006	8.22955E-05	8.84193E-05	2.13691E-05	7.46155E-05	0.000159016	8.25687E-05	8.83101E-05	2.14857E-05	7.46155E-05	0.000171514	**6006**
6007	8.3608E-05	8.95397E-05	2.45923E-05	7.67526E-05	0.000212227	8.40831E-05	8.9744E-05	2.3856E-05	7.67526E-05	0.000218159	**6007**
6008	8.12805E-05	8.68521E-05	2.58474E-05	7.66101E-05	0.000216476	8.24875E-05	8.79159E-05	2.47347E-05	7.66101E-05	0.000222958	**6008**
6009	8.19237E-05	8.74778E-05	2.66649E-05	7.68996E-05	0.000218831	8.29483E-05	8.83651E-05	2.5318E-05	7.68996E-05	0.000225491	**6009**
6010	8.61202E-05	9.19354E-05	2.82634E-05	8.03382E-05	0.000219115	8.6953E-05	9.26168E-05	2.66952E-05	8.03382E-05	0.000225762	**6010**
6011	8.94177E-05	9.54374E-05	2.95266E-05	8.30001E-05	0.000220316	9.0081E-05	9.59373E-05	2.77755E-05	8.30001E-05	0.000227082	**6011**
6012	9.0179E-05	9.63221E-05	2.90603E-05	8.34922E-05	0.000214589	9.08089E-05	9.67636E-05	2.74555E-05	8.34922E-05	0.00022277	**6012**
6013	9.32587E-05	9.96668E-05	2.95033E-05	8.63744E-05	0.000212376	9.39681E-05	0.000100168	2.80013E-05	8.63744E-05	0.000220313	**6013**
6014	9.72718E-05	0.000104087	2.94699E-05	9.08705E-05	0.000206786	9.84675E-05	0.000105053	2.8401E-05	9.08705E-05	0.000214131	**6014**
6015	0.000102968	0.00011028	3.02136E-05	9.6413E-05	0.000202815	0.000104412	0.000111463	2.9393E-05	9.6413E-05	0.000207696	**6015**
6016	0.000111315	0.000119276	3.21164E-05	0.000103458	0.00019138	0.000112573	0.000120217	3.12454E-05	0.000103458	0.000195024	**6016**
6017	0.000118733	0.000127224	3.42533E-05	0.000110979	0.000183338	0.000120357	0.000128527	3.34352E-05	0.000110979	0.000186142	**6017**
6018	0.000122421	0.000130823	3.88231E-05	0.000113019	0.000177443	0.00012318	0.000131303	3.67614E-05	0.000113019	0.00017966	**6018**
6019	0.000126325	0.00013439	4.60862E-05	0.00011233	0.000160013	0.000124689	0.000132505	4.1536E-05	0.00011233	0.000164454	**6019**
6020	0.000121646	0.000128975	4.87251E-05	0.000106536	0.000143829	0.000118986	0.000126142	4.28529E-05	0.000106536	0.000150439	**6020**
6021	0.000114081	0.000120828	4.69566E-05	9.67314E-05	0.000129717	0.00011005	0.000116563	4.07576E-05	9.67314E-05	0.000136862	**6021**
6022	0.000102581	0.000108722	4.14872E-05	8.44616E-05	0.000119177	9.7878E-05	0.000103702	3.59122E-05	8.44616E-05	0.000127059	**6022**
6023	8.90286E-05	9.45048E-05	3.45446E-05	7.38467E-05	0.000115394	8.53088E-05	9.04827E-05	3.02634E-05	7.38467E-05	0.000122898	**6023**
6024	7.90523E-05	8.42785E-05	2.70559E-05	6.69323E-05	0.000113506	7.66526E-05	8.15505E-05	2.45438E-05	6.69323E-05	0.00012084	**6024**
6025	6.96778E-05	7.46695E-05	2.00147E-05	6.03594E-05	0.000114411	6.84848E-05	7.31217E-05	1.91529E-05	6.03594E-05	0.000121857	**6025**
6026	6.63577E-05	7.13174E-05	1.7013E-05	5.8643E-05	0.000117126	6.59086E-05	7.05071E-05	1.69837E-05	5.8643E-05	0.000124883	**6026**
6027	6.57348E-05	7.07345E-05	1.59922E-05	5.88628E-05	0.000125369	6.57062E-05	7.03462E-05	1.63409E-05	5.88628E-05	0.000134055	**6027**
6028	6.8753E-05	7.40159E-05	1.63913E-05	6.26928E-05	0.000136751	6.92584E-05	7.41678E-05	1.7027E-05	6.26928E-05	0.000146686	**6028**
6029	7.56742E-05	8.1418E-05	1.8528E-05	6.9089E-05	0.000151099	7.62301E-05	8.16033E-05	1.90644E-05	6.9089E-05	0.000162577	**6029**
6030	8.22955E-05	8.84193E-05	2.13691E-05	7.46155E-05	0.000159016	8.25687E-05	8.83101E-05	2.14857E-05	7.46155E-05	0.000171514	**6030**
6031	8.3608E-05	8.95397E-05	2.45923E-05	7.67526E-05	0.000212227	8.40831E-05	8.9744E-05	2.3856E-05	7.67526E-05	0.000218159	**6031**
6032	8.12805E-05	8.68521E-05	2.58474E-05	7.66101E-05	0.000216476	8.24875E-05	8.79159E-05	2.47347E-05	7.66101E-05	0.000222958	**6032**
6033	8.19237E-05	8.74778E-05	2.66649E-05	7.68996E-05	0.000218831	8.29483E-05	8.83651E-05	2.5318E-05	7.68996E-05	0.000225491	**6033**
6034	8.61202E-05	9.19354E-05	2.82634E-05	8.03382E-05	0.000219115	8.6953E-05	9.26168E-05	2.66952E-05	8.03382E-05	0.000225762	**6034**
6035	8.94177E-05	9.54374E-05	2.95266E-05	8.30001E-05	0.000220316	9.0081E-05	9.59373E-05	2.77755E-05	8.30001E-05	0.000227082	**6035**
6036	9.0179E-05	9.63221E-05	2.90603E-05	8.34922E-05	0.000214589	9.08089E-05	9.67636E-05	2.74555E-05	8.34922E-05	0.00022277	**6036**
6037	9.32587E-05	9.96668E-05	2.95033E-05	8.63744E-05	0.000212376	9.39681E-05	0.000100168	2.80013E-05	8.63744E-05	0.000220313	**6037**
6038	9.72718E-05	0.000104087	2.94699E-05	9.08705E-05	0.000206786	9.84675E-05	0.000105053	2.8401E-05	9.08705E-05	0.000214131	**6038**
6039	0.000102968	0.00011028	3.02136E-05	9.6413E-05	0.000202815	0.000104412	0.000111463	2.9393E-05	9.6413E-05	0.000207696	**6039**
6040	0.000111315	0.000119276	3.21164E-05	0.000103458	0.00019138	0.000112573	0.000120217	3.12454E-05	0.000103458	0.000195024	**6040**
6041	0.000118733	0.000127224	3.42533E-05	0.000110979	0.000183338	0.000120357	0.000128527	3.34352E-05	0.000110979	0.000186142	**6041**
6042	0.000122421	0.000130823	3.88231E-05	0.000113019	0.000177443	0.00012318	0.000131303	3.67614E-05	0.000113019	0.00017966	**6042**
6043	0.000126325	0.00013439	4.60862E-05	0.00011233	0.000160013	0.000124689	0.000132505	4.1536E-05	0.00011233	0.000164454	**6043**
6044	0.000121646	0.000128975	4.87251E-05	0.000106536	0.000143829	0.000118986	0.000126142	4.28529E-05	0.000106536	0.000150439	**6044**
6045	0.000114081	0.000120828	4.69566E-05	9.67314E-05	0.000129717	0.00011005	0.000116563	4.07576E-05	9.67314E-05	0.000136862	**6045**
6046	0.000102581	0.000108722	4.14872E-05	8.44616E-05	0.000119177	9.7878E-05	0.000103702	3.59122E-05	8.44616E-05	0.000127059	**6046**
6047	8.90286E-05	9.45048E-05	3.45446E-05	7.38467E-05	0.000115394	8.53088E-05	9.04827E-05	3.02634E-05	7.38467E-05	0.000122898	**6047**
6048	7.90523E-05	8.42785E-05	2.70559E-05	6.69323E-05	0.000113506	7.66526E-05	8.15505E-05	2.45438E-05	6.69323E-05	0.00012084	**6048**
6049	6.96778E-05	7.46695E-05	2.00147E-05	6.03594E-05	0.000114411	6.84848E-05	7.31217E-05	1.91529E-05	6.03594E-05	0.000121857	**6049**
6050	6.63577E-05	7.13174E-05	1.7013E-05	5.8643E-05	0.000117126	6.59086E-05	7.05071E-05	1.69837E-05	5.8643E-05	0.000124883	**6050**
6051	6.57348E-05	7.07345E-05	1.59922E-05	5.88628E-05	0.000125369	6.57062E-05	7.03462E-05	1.63409E-05	5.88628E-05	0.000134055	**6051**
6052	6.8753E-05	7.40159E-05	1.63913E-05	6.26928E-05	0.000136751	6.92584E-05	7.41678E-05	1.7027E-05	6.26928E-05	0.000146686	**6052**
6053	7.56742E-05	8.1418E-05	1.8528E-05	6.9089E-05	0.000151099	7.62301E-05	8.16033E-05	1.90644E-05	6.9089E-05	0.000162577	**6053**
6054	8.22955E-05	8.84193E-05	2.13691E-05	7.46155E-05	0.000159016	8.25687E-05	8.83101E-05	2.14857E-05	7.46155E-05	0.000171514	**6054**
6055	8.3608E-05	8.95397E-05	2.45923E-05	7.67526E-05	0.000212227	8.40831E-05	8.9744E-05	2.3856E-05	7.67526E-05	0.000218159	**6055**
6056	8.12805E-05	8.68521E-05	2.58474E-05	7.66101E-05	0.000216476	8.24875E-05	8.79159E-05	2.47347E-05	7.66101E-05	0.000222958	**6056**
6057	8.19237E-05	8.74778E-05	2.66649E-05	7.68996E-05	0.000218831	8.29483E-05	8.83651E-05	2.5318E-05	7.68996E-05	0.000225491	**6057**
6058	8.61202E-05	9.19354E-05	2.82634E-05	8.03382E-05	0.000219115	8.6953E-05	9.26168E-05	2.66952E-05	8.03382E-05	0.000225762	**6058**
6059	8.94177E-05	9.54374E-05	2.95266E-05	8.30001E-05	0.000220316	9.0081E-05	9.59373E-05	2.77755E-05	8.30001E-05	0.000227082	**6059**
6060	9.0179E-05	9.63221E-05	2.90603E-05	8.34922E-05	0.000214589	9.08089E-05	9.67636E-05	2.74555E-05	8.34922E-05	0.00022277	**6060**
6061	9.32587E-05	9.96668E-05	2.95033E-05	8.63744E-05	0.000212376	9.39681E-05	0.000100168	2.80013E-05	8.63744E-05	0.000220313	**6061**
6062	9.72718E-05	0.000104087	2.94699E-05	9.08705E-05	0.000206786	9.84675E-05	0.000105053	2.8401E-05	9.08705E-05	0.000214131	**6062**
6063	0.000102968	0.00011028	3.02136E-05	9.6413E-05	0.000202815	0.000104412	0.000111463	2.9393E-05	9.6413E-05	0.000207696	**6063**
6064	0.000111315	0.000119276	3.21164E-05	0.000103458	0.00019138	0.000112573	0.000120217	3.12454E-05	0.000103458	0.000195024	**6064**
6065	0.000118733	0.000127224	3.42533E-05	0.000110979	0.000183338	0.000120357	0.000128527	3.34352E-05	0.000110979	0.000186142	**6065**
6066	0.000122421	0.000130823	3.88231E-05	0.000113019	0.000177443	0.00012318	0.000131303	3.67614E-05	0.000113019	0.00017966	**6066**
6067	0.000126325	0.00013439	4.60862E-05	0.00011233	0.000160013	0.000124689	0.000132505	4.1536E-05	0.00011233	0.000164454	**6067**
6068	0.000121646	0.000128975	4.87251E-05	0.000106536	0.000143829	0.000118986	0.000126142	4.28529E-05	0.000106536	0.000150439	**6068**
6069	0.000114081	0.000120828	4.69566E-05	9.67314E-05	0.000129717	0.00011005	0.000116563	4.07576E-05	9.67314E-05	0.000136862	**6069**
6070	0.000102581	0.000108722	4.14872E-05	8.44616E-05	0.000119177	9.7878E-05	0.000103702	3.59122E-05	8.44616E-05	0.000127059	**6070**
6071	8.90286E-05	9.45048E-05	3.45446E-05	7.38467E-05	0.000115394	8.53088E-05	9.04827E-05	3.02634E-05	7.38467E-05	0.000122898	**6071**

6072	7.90523E-05	8.42785E-05	2.70559E-05	6.69323E-05	0.000113506	7.66526E-05	8.15505E-05	2.45438E-05	6.69323E-05	0.00012084	**6072**
6073	7.09407E-05	7.60373E-05	2.02333E-05	6.15302E-05	0.000113697	6.97723E-05	7.45068E-05	1.94015E-05	6.15302E-05	0.000121042	**6073**
6074	6.61708E-05	7.11153E-05	1.69763E-05	5.84419E-05	0.000117851	6.57058E-05	7.02895E-05	1.69389E-05	5.84419E-05	0.000125695	**6074**
6075	6.56026E-05	7.05909E-05	1.59723E-05	5.87598E-05	0.000126059	6.558E-05	7.021E-05	1.63205E-05	5.87598E-05	0.000134827	**6075**
6076	6.87758E-05	7.40401E-05	1.64007E-05	6.27491E-05	0.000137696	6.92971E-05	7.42087E-05	1.70415E-05	6.27491E-05	0.000147739	**6076**
6077	7.59386E-05	8.17032E-05	1.85858E-05	6.94121E-05	0.000152483	7.65339E-05	8.19286E-05	1.91388E-05	6.94121E-05	0.000164115	**6077**
6078	8.23331E-05	8.84585E-05	2.13904E-05	7.47457E-05	0.000160916	8.26488E-05	8.83945E-05	2.15205E-05	7.47457E-05	0.000173625	**6078**
6079	8.48E-05	9.08505E-05	2.46028E-05	7.66914E-05	0.000214425	8.47873E-05	9.05136E-05	2.3865E-05	7.66914E-05	0.000220595	**6079**
6080	8.06067E-05	8.6123E-05	2.57246E-05	7.59452E-05	0.000219252	8.1783E-05	8.71587E-05	2.45905E-05	7.59452E-05	0.00022603	**6080**
6081	8.11942E-05	8.66881E-05	2.65349E-05	7.61989E-05	0.000221888	8.21939E-05	8.7554E-05	2.51674E-05	7.61989E-05	0.000228867	**6081**
6082	8.61057E-05	9.19195E-05	2.82625E-05	8.03353E-05	0.000222111	8.69428E-05	9.26056E-05	2.66954E-05	8.03353E-05	0.000229064	**6082**
6083	9.03417E-05	9.64375E-05	2.96937E-05	8.39029E-05	0.000223402	9.10433E-05	9.69717E-05	2.79707E-05	8.39029E-05	0.000230474	**6083**
6084	9.16557E-05	9.79196E-05	2.93346E-05	8.49825E-05	0.000217758	9.23675E-05	9.84382E-05	2.77809E-05	8.49825E-05	0.000226256	**6084**
6085	9.52282E-05	0.000101798	2.9863E-05	8.83222E-05	0.000215198	9.60294E-05	0.000102384	2.8424E-05	8.83222E-05	0.000223412	**6085**
6086	9.97666E-05	0.000106788	2.99041E-05	9.31992E-05	0.000209936	0.000101018	0.000107797	2.88966E-05	9.31992E-05	0.000217592	**6086**
6087	0.000106011	0.000113576	3.07418E-05	9.92436E-05	0.000205778	0.000107519	0.000114805	2.99947E-05	9.92436E-05	0.000210949	**6087**
6088	0.000115448	0.000123753	3.28162E-05	0.000107189	0.000194405	0.000116742	0.000124704	3.203E-05	0.000107189	0.000198347	**6088**
6089	0.0001233	0.000132165	3.50964E-05	0.000115555	0.000186502	0.000125163	0.000133691	3.44322E-05	0.000115555	0.000189623	**6089**
6090	0.000126337	0.000135059	3.95616E-05	0.000117043	0.000180696	0.000127345	0.000135776	3.76451E-05	0.000117043	0.000183252	**6090**
6091	0.000129708	0.000138051	4.67007E-05	0.000115654	0.000163287	0.00012822	0.0001363	4.22558E-05	0.000115654	0.000168069	**6091**
6092	0.00012444	0.000132001	4.92109E-05	0.000109141	0.000146972	0.000121841	0.000129213	4.3407E-05	0.000109141	0.000153908	**6092**
6093	0.000114981	0.000121783	4.73071E-05	9.87247E-05	0.000132189	0.000111475	0.000118085	4.11583E-05	9.87247E-05	0.000139586	**6093**
6094	0.00010425	0.00011053	4.17688E-05	8.5962E-05	0.000121007	9.95589E-05	0.000105512	3.62272E-05	8.5962E-05	0.000129069	**6094**
6095	9.04262E-05	9.6017E-05	3.48014E-05	7.52392E-05	0.000117042	8.67761E-05	9.20595E-05	3.05663E-05	7.52392E-05	0.000124707	**6095**
6096	8.00609E-05	8.53698E-05	2.72418E-05	6.79406E-05	0.000114687	7.7713E-05	8.26899E-05	2.47634E-05	6.79406E-05	0.000122136	**6096**
6097	7.09407E-05	7.60373E-05	2.02333E-05	6.15302E-05	0.000113697	6.97723E-05	7.45068E-05	1.94015E-05	6.15302E-05	0.000121042	**6097**
6098	6.61708E-05	7.11153E-05	1.69763E-05	5.84419E-05	0.000117851	6.57058E-05	7.02895E-05	1.69389E-05	5.84419E-05	0.000125695	**6098**
6099	6.56026E-05	7.05909E-05	1.59723E-05	5.87598E-05	0.000126059	6.558E-05	7.021E-05	1.63205E-05	5.87598E-05	0.000134827	**6099**
6100	6.87758E-05	7.40401E-05	1.64007E-05	6.27491E-05	0.000137696	6.92971E-05	7.42087E-05	1.70415E-05	6.27491E-05	0.000147739	**6100**
6101	7.59386E-05	8.17032E-05	1.85858E-05	6.94121E-05	0.000152483	7.65339E-05	8.19286E-05	1.91388E-05	6.94121E-05	0.000164115	**6101**
6102	8.23331E-05	8.84585E-05	2.13904E-05	7.47457E-05	0.000160916	8.26488E-05	8.83945E-05	2.15205E-05	7.47457E-05	0.000173625	**6102**
6103	8.48E-05	9.08505E-05	2.46028E-05	7.66914E-05	0.000214425	8.47873E-05	9.05136E-05	2.3865E-05	7.66914E-05	0.000220595	**6103**
6104	8.06067E-05	8.6123E-05	2.57246E-05	7.59452E-05	0.000219252	8.1783E-05	8.71587E-05	2.45905E-05	7.59452E-05	0.00022603	**6104**
6105	8.11942E-05	8.66881E-05	2.65349E-05	7.61989E-05	0.000221888	8.21939E-05	8.7554E-05	2.51674E-05	7.61989E-05	0.000228867	**6105**
6106	8.61057E-05	9.19195E-05	2.82625E-05	8.03353E-05	0.000222111	8.69428E-05	9.26056E-05	2.66954E-05	8.03353E-05	0.000229064	**6106**
6107	9.03417E-05	9.64375E-05	2.96937E-05	8.39029E-05	0.000223402	9.10433E-05	9.69717E-05	2.79707E-05	8.39029E-05	0.000230474	**6107**
6108	9.16557E-05	9.79196E-05	2.93346E-05	8.49825E-05	0.000217758	9.23675E-05	9.84382E-05	2.77809E-05	8.49825E-05	0.000226256	**6108**
6109	9.52282E-05	0.000101798	2.9863E-05	8.83222E-05	0.000215198	9.60294E-05	0.000102384	2.8424E-05	8.83222E-05	0.000223412	**6109**
6110	9.97666E-05	0.000106788	2.99041E-05	9.31992E-05	0.000209936	0.000101018	0.000107797	2.88966E-05	9.31992E-05	0.000217592	**6110**
6111	0.000106011	0.000113576	3.07418E-05	9.92436E-05	0.000205778	0.000107519	0.000114805	2.99947E-05	9.92436E-05	0.000210949	**6111**
6112	0.000115448	0.000123753	3.28162E-05	0.000107189	0.000194405	0.000116742	0.000124704	3.203E-05	0.000107189	0.000198347	**6112**
6113	0.0001233	0.000132165	3.50964E-05	0.000115555	0.000186502	0.000125163	0.000133691	3.44322E-05	0.000115555	0.000189623	**6113**
6114	0.000126337	0.000135059	3.95616E-05	0.000117043	0.000180696	0.000127345	0.000135776	3.76451E-05	0.000117043	0.000183252	**6114**
6115	0.000129708	0.000138051	4.67007E-05	0.000115654	0.000163287	0.00012822	0.0001363	4.22558E-05	0.000115654	0.000168069	**6115**
6116	0.00012444	0.000132001	4.92109E-05	0.000109141	0.000146972	0.000121841	0.000129213	4.3407E-05	0.000109141	0.000153908	**6116**
6117	0.000114981	0.000121783	4.73071E-05	9.87247E-05	0.000132189	0.000111475	0.000118085	4.11583E-05	9.87247E-05	0.000139586	**6117**
6118	0.00010425	0.00011053	4.17688E-05	8.5962E-05	0.000121007	9.95589E-05	0.000105512	3.62272E-05	8.5962E-05	0.000129069	**6118**
6119	9.04262E-05	9.6017E-05	3.48014E-05	7.52392E-05	0.000117042	8.67761E-05	9.20595E-05	3.05663E-05	7.52392E-05	0.000124707	**6119**
6120	8.00609E-05	8.53698E-05	2.72418E-05	6.79406E-05	0.000114687	7.7713E-05	8.26899E-05	2.47634E-05	6.79406E-05	0.000122136	**6120**
6121	6.96778E-05	7.46695E-05	2.00147E-05	6.03594E-05	0.000114411	6.84848E-05	7.31217E-05	1.91529E-05	6.03594E-05	0.000121857	**6121**
6122	6.63577E-05	7.13174E-05	1.7013E-05	5.8643E-05	0.000117126	6.59086E-05	7.05071E-05	1.69837E-05	5.8643E-05	0.000124883	**6122**
6123	6.57348E-05	7.07345E-05	1.59922E-05	5.88628E-05	0.000125369	6.57062E-05	7.03462E-05	1.63409E-05	5.88628E-05	0.000134055	**6123**
6124	6.8753E-05	7.40159E-05	1.63913E-05	6.26928E-05	0.000136751	6.92584E-05	7.41678E-05	1.7027E-05	6.26928E-05	0.000146686	**6124**
6125	7.56742E-05	8.1418E-05	1.8528E-05	6.9089E-05	0.000151099	7.62301E-05	8.16033E-05	1.90644E-05	6.9089E-05	0.000162577	**6125**
6126	8.22955E-05	8.84193E-05	2.13691E-05	7.46155E-05	0.000159016	8.25687E-05	8.83101E-05	2.14857E-05	7.46155E-05	0.000171514	**6126**
6127	8.3608E-05	8.95397E-05	2.45923E-05	7.67526E-05	0.000212227	8.40831E-05	8.9744E-05	2.3856E-05	7.67526E-05	0.000218159	**6127**
6128	8.12805E-05	8.68521E-05	2.58474E-05	7.66101E-05	0.000216476	8.24875E-05	8.79159E-05	2.47347E-05	7.66101E-05	0.000222958	**6128**
6129	8.19237E-05	8.74778E-05	2.66649E-05	7.68996E-05	0.000218831	8.29483E-05	8.83651E-05	2.5318E-05	7.68996E-05	0.000225491	**6129**
6130	8.61202E-05	9.19354E-05	2.82634E-05	8.03382E-05	0.000219115	8.6953E-05	9.26168E-05	2.66952E-05	8.03382E-05	0.000225762	**6130**
6131	8.94177E-05	9.54374E-05	2.95266E-05	8.30001E-05	0.000220316	9.0081E-05	9.59373E-05	2.77755E-05	8.30001E-05	0.000227082	**6131**
6132	9.0179E-05	9.63221E-05	2.90603E-05	8.34922E-05	0.000214589	9.08089E-05	9.67636E-05	2.74555E-05	8.34922E-05	0.00022277	**6132**
6133	9.32587E-05	9.96668E-05	2.95033E-05	8.63744E-05	0.000212376	9.39681E-05	0.000100168	2.80013E-05	8.63744E-05	0.000220313	**6133**
6134	9.72718E-05	0.000104087	2.94699E-05	9.08705E-05	0.000206786	9.84675E-05	0.000105053	2.8401E-05	9.08705E-05	0.000214131	**6134**
6135	0.000102968	0.00011028	3.02136E-05	9.6413E-05	0.000202815	0.000104412	0.000111463	2.9393E-05	9.6413E-05	0.000207696	**6135**
6136	0.000111315	0.000119276	3.21164E-05	0.000103458	0.00019138	0.000112573	0.000120217	3.12454E-05	0.000103458	0.000195024	**6136**
6137	0.000118733	0.000127224	3.42533E-05	0.000110979	0.000183338	0.000120357	0.000128527	3.34352E-05	0.000110979	0.000186142	**6137**
6138	0.000122421	0.000130823	3.88231E-05	0.000113019	0.000177443	0.00012318	0.000131303	3.67614E-05	0.000113019	0.00017966	**6138**
6139	0.000126325	0.00013439	4.60862E-05	0.00011233	0.000160013	0.000124689	0.000132505	4.1536E-05	0.00011233	0.000164454	**6139**
6140	0.000121646	0.000128975	4.87251E-05	0.000106536	0.000143829	0.000118986	0.000126142	4.28529E-05	0.000106536	0.000150439	**6140**
6141	0.000114081	0.000120828	4.69566E-05	9.67314E-05	0.000129717	0.00011005	0.000116563	4.07576E-05	9.67314E-05	0.000136862	**6141**
6142	0.000102581	0.000108722	4.14872E-05	8.44616E-05	0.000119177	9.7878E-05	0.000103702	3.59122E-05	8.44616E-05	0.000127059	**6142**
6143	8.90286E-05	9.45048E-05	3.45446E-05	7.38467E-05	0.000115394	8.53088E-05	9.04827E-05	3.02634E-05	7.38467E-05	0.000122898	**6143**
6144	7.90523E-05	8.42785E-05	2.70559E-05	6.69323E-05	0.000113506	7.66526E-05	8.15505E-05	2.45438E-05	6.69323E-05	0.00012084	**6144**
6145	6.96778E-05	7.46695E-05	2.00147E-05	6.03594E-05	0.000114411	6.84848E-05	7.31217E-05	1.91529E-05	6.03594E-05	0.000121857	**6145**
6146	6.63577E-05	7.13174E-05	1.7013E-05	5.8643E-05	0.000117126	6.59086E-05	7.05071E-05	1.69837E-05	5.8643E-05	0.000124883	**6146**
6147	6.57348E-05	7.07345E-05	1.59922E-05	5.88628E-05	0.000125369	6.57062E-05	7.03462E-05	1.63409E-05	5.88628E-05	0.000134055	**6147**

6148	6.8753E-05	7.40159E-05	1.63913E-05	6.26928E-05	0.000136751	6.92584E-05	7.41678E-05	1.7027E-05	6.26928E-05	0.000146686	**6148**
6149	7.56742E-05	8.1418E-05	1.8528E-05	6.9089E-05	0.000151099	7.62301E-05	8.16033E-05	1.90644E-05	6.9089E-05	0.000162577	**6149**
6150	8.22955E-05	8.84193E-05	2.13691E-05	7.46155E-05	0.000159016	8.25687E-05	8.83101E-05	2.14857E-05	7.46155E-05	0.000171514	**6150**
6151	8.3608E-05	8.95397E-05	2.45923E-05	7.67526E-05	0.000212227	8.40831E-05	8.9744E-05	2.3856E-05	7.67526E-05	0.000218159	**6151**
6152	8.12805E-05	8.68521E-05	2.58474E-05	7.66101E-05	0.000216476	8.24875E-05	8.79159E-05	2.47347E-05	7.66101E-05	0.000222958	**6152**
6153	8.19237E-05	8.74778E-05	2.66649E-05	7.68996E-05	0.000218831	8.29483E-05	8.83651E-05	2.5318E-05	7.68996E-05	0.000225491	**6153**
6154	8.61202E-05	9.19354E-05	2.82634E-05	8.03382E-05	0.000219115	8.6953E-05	9.26168E-05	2.66952E-05	8.03382E-05	0.000225762	**6154**
6155	8.94177E-05	9.54374E-05	2.95266E-05	8.30001E-05	0.000220316	9.0081E-05	9.59373E-05	2.77755E-05	8.30001E-05	0.000227082	**6155**
6156	9.0179E-05	9.63221E-05	2.90603E-05	8.34922E-05	0.000214589	9.08089E-05	9.67636E-05	2.74555E-05	8.34922E-05	0.00022277	**6156**
6157	9.32587E-05	9.96668E-05	2.95033E-05	8.63744E-05	0.000212376	9.39681E-05	0.000100168	2.80013E-05	8.63744E-05	0.000220313	**6157**
6158	9.72718E-05	0.000104087	2.94699E-05	9.08705E-05	0.000206786	9.84675E-05	0.000105053	2.8401E-05	9.08705E-05	0.000214131	**6158**
6159	0.000102968	0.00011028	3.02136E-05	9.6413E-05	0.000202815	0.000104412	0.000111463	2.9393E-05	9.6413E-05	0.000207696	**6159**
6160	0.000111315	0.000119276	3.21164E-05	0.000103458	0.00019138	0.000112573	0.000120217	3.12454E-05	0.000103458	0.000195024	**6160**
6161	0.000118733	0.000127224	3.42533E-05	0.000110979	0.000183338	0.000120357	0.000128527	3.34352E-05	0.000110979	0.000186142	**6161**
6162	0.000122421	0.000130823	3.88231E-05	0.000113019	0.000177443	0.00012318	0.000131303	3.67614E-05	0.000113019	0.00017966	**6162**
6163	0.000126325	0.00013439	4.60862E-05	0.00011233	0.000160013	0.000124689	0.000132505	4.1536E-05	0.00011233	0.000164454	**6163**
6164	0.000121646	0.000128975	4.87251E-05	0.000106536	0.000143829	0.000118986	0.000126142	4.28529E-05	0.000106536	0.000150439	**6164**
6165	0.000114081	0.000120828	4.69566E-05	9.67314E-05	0.000129717	0.00011005	0.000116563	4.07576E-05	9.67314E-05	0.000136862	**6165**
6166	0.000102581	0.000108722	4.14872E-05	8.44616E-05	0.000119177	9.7878E-05	0.000103702	3.59122E-05	8.44616E-05	0.000127059	**6166**
6167	8.90286E-05	9.45048E-05	3.45446E-05	7.38467E-05	0.000115394	8.53088E-05	9.04827E-05	3.02634E-05	7.38467E-05	0.000122898	**6167**
6168	7.90523E-05	8.42785E-05	2.70559E-05	6.69323E-05	0.000113506	7.66526E-05	8.15505E-05	2.45438E-05	6.69323E-05	0.00012084	**6168**
6169	6.96778E-05	7.46695E-05	2.00147E-05	6.03594E-05	0.000114411	6.84848E-05	7.31217E-05	1.91529E-05	6.03594E-05	0.000121857	**6169**
6170	6.63577E-05	7.13174E-05	1.7013E-05	5.8643E-05	0.000117126	6.59086E-05	7.05071E-05	1.69837E-05	5.8643E-05	0.000124883	**6170**
6171	6.57348E-05	7.07345E-05	1.59922E-05	5.88628E-05	0.000125369	6.57062E-05	7.03462E-05	1.63409E-05	5.88628E-05	0.000134055	**6171**
6172	6.8753E-05	7.40159E-05	1.63913E-05	6.26928E-05	0.000136751	6.92584E-05	7.41678E-05	1.7027E-05	6.26928E-05	0.000146686	**6172**
6173	7.56742E-05	8.1418E-05	1.8528E-05	6.9089E-05	0.000151099	7.62301E-05	8.16033E-05	1.90644E-05	6.9089E-05	0.000162577	**6173**
6174	8.22955E-05	8.84193E-05	2.13691E-05	7.46155E-05	0.000159016	8.25687E-05	8.83101E-05	2.14857E-05	7.46155E-05	0.000171514	**6174**
6175	8.3608E-05	8.95397E-05	2.45923E-05	7.67526E-05	0.000212227	8.40831E-05	8.9744E-05	2.3856E-05	7.67526E-05	0.000218159	**6175**
6176	8.12805E-05	8.68521E-05	2.58474E-05	7.66101E-05	0.000216476	8.24875E-05	8.79159E-05	2.47347E-05	7.66101E-05	0.000222958	**6176**
6177	8.19237E-05	8.74778E-05	2.66649E-05	7.68996E-05	0.000218831	8.29483E-05	8.83651E-05	2.5318E-05	7.68996E-05	0.000225491	**6177**
6178	8.61202E-05	9.19354E-05	2.82634E-05	8.03382E-05	0.000219115	8.6953E-05	9.26168E-05	2.66952E-05	8.03382E-05	0.000225762	**6178**
6179	8.94177E-05	9.54374E-05	2.95266E-05	8.30001E-05	0.000220316	9.0081E-05	9.59373E-05	2.77755E-05	8.30001E-05	0.000227082	**6179**
6180	9.0179E-05	9.63221E-05	2.90603E-05	8.34922E-05	0.000214589	9.08089E-05	9.67636E-05	2.74555E-05	8.34922E-05	0.00022277	**6180**
6181	9.32587E-05	9.96668E-05	2.95033E-05	8.63744E-05	0.000212376	9.39681E-05	0.000100168	2.80013E-05	8.63744E-05	0.000220313	**6181**
6182	9.72718E-05	0.000104087	2.94699E-05	9.08705E-05	0.000206786	9.84675E-05	0.000105053	2.8401E-05	9.08705E-05	0.000214131	**6182**
6183	0.000102968	0.00011028	3.02136E-05	9.6413E-05	0.000202815	0.000104412	0.000111463	2.9393E-05	9.6413E-05	0.000207696	**6183**
6184	0.000111315	0.000119276	3.21164E-05	0.000103458	0.00019138	0.000112573	0.000120217	3.12454E-05	0.000103458	0.000195024	**6184**
6185	0.000118733	0.000127224	3.42533E-05	0.000110979	0.000183338	0.000120357	0.000128527	3.34352E-05	0.000110979	0.000186142	**6185**
6186	0.000122421	0.000130823	3.88231E-05	0.000113019	0.000177443	0.00012318	0.000131303	3.67614E-05	0.000113019	0.00017966	**6186**
6187	0.000126325	0.00013439	4.60862E-05	0.00011233	0.000160013	0.000124689	0.000132505	4.1536E-05	0.00011233	0.000164454	**6187**
6188	0.000121646	0.000128975	4.87251E-05	0.000106536	0.000143829	0.000118986	0.000126142	4.28529E-05	0.000106536	0.000150439	**6188**
6189	0.000114081	0.000120828	4.69566E-05	9.67314E-05	0.000129717	0.00011005	0.000116563	4.07576E-05	9.67314E-05	0.000136862	**6189**
6190	0.000102581	0.000108722	4.14872E-05	8.44616E-05	0.000119177	9.7878E-05	0.000103702	3.59122E-05	8.44616E-05	0.000127059	**6190**
6191	8.90286E-05	9.45048E-05	3.45446E-05	7.38467E-05	0.000115394	8.53088E-05	9.04827E-05	3.02634E-05	7.38467E-05	0.000122898	**6191**
6192	7.90523E-05	8.42785E-05	2.70559E-05	6.69323E-05	0.000113506	7.66526E-05	8.15505E-05	2.45438E-05	6.69323E-05	0.00012084	**6192**
6193	6.96778E-05	7.46695E-05	2.00147E-05	6.03594E-05	0.000114411	6.84848E-05	7.31217E-05	1.91529E-05	6.03594E-05	0.000121857	**6193**
6194	6.63577E-05	7.13174E-05	1.7013E-05	5.8643E-05	0.000117126	6.59086E-05	7.05071E-05	1.69837E-05	5.8643E-05	0.000124883	**6194**
6195	6.57348E-05	7.07345E-05	1.59922E-05	5.88628E-05	0.000125369	6.57062E-05	7.03462E-05	1.63409E-05	5.88628E-05	0.000134055	**6195**
6196	6.8753E-05	7.40159E-05	1.63913E-05	6.26928E-05	0.000136751	6.92584E-05	7.41678E-05	1.7027E-05	6.26928E-05	0.000146686	**6196**
6197	7.56742E-05	8.1418E-05	1.8528E-05	6.9089E-05	0.000151099	7.62301E-05	8.16033E-05	1.90644E-05	6.9089E-05	0.000162577	**6197**
6198	8.22955E-05	8.84193E-05	2.13691E-05	7.46155E-05	0.000159016	8.25687E-05	8.83101E-05	2.14857E-05	7.46155E-05	0.000171514	**6198**
6199	8.3608E-05	8.95397E-05	2.45923E-05	7.67526E-05	0.000212227	8.40831E-05	8.9744E-05	2.3856E-05	7.67526E-05	0.000218159	**6199**
6200	8.12805E-05	8.68521E-05	2.58474E-05	7.66101E-05	0.000216476	8.24875E-05	8.79159E-05	2.47347E-05	7.66101E-05	0.000222958	**6200**
6201	8.19237E-05	8.74778E-05	2.66649E-05	7.68996E-05	0.000218831	8.29483E-05	8.83651E-05	2.5318E-05	7.68996E-05	0.000225491	**6201**
6202	8.61202E-05	9.19354E-05	2.82634E-05	8.03382E-05	0.000219115	8.6953E-05	9.26168E-05	2.66952E-05	8.03382E-05	0.000225762	**6202**
6203	8.94177E-05	9.54374E-05	2.95266E-05	8.30001E-05	0.000220316	9.0081E-05	9.59373E-05	2.77755E-05	8.30001E-05	0.000227082	**6203**
6204	9.0179E-05	9.63221E-05	2.90603E-05	8.34922E-05	0.000214589	9.08089E-05	9.67636E-05	2.74555E-05	8.34922E-05	0.00022277	**6204**
6205	9.32587E-05	9.96668E-05	2.95033E-05	8.63744E-05	0.000212376	9.39681E-05	0.000100168	2.80013E-05	8.63744E-05	0.000220313	**6205**
6206	9.72718E-05	0.000104087	2.94699E-05	9.08705E-05	0.000206786	9.84675E-05	0.000105053	2.8401E-05	9.08705E-05	0.000214131	**6206**
6207	0.000102968	0.00011028	3.02136E-05	9.6413E-05	0.000202815	0.000104412	0.000111463	2.9393E-05	9.6413E-05	0.000207696	**6207**
6208	0.000111315	0.000119276	3.21164E-05	0.000103458	0.00019138	0.000112573	0.000120217	3.12454E-05	0.000103458	0.000195024	**6208**
6209	0.000118733	0.000127224	3.42533E-05	0.000110979	0.000183338	0.000120357	0.000128527	3.34352E-05	0.000110979	0.000186142	**6209**
6210	0.000122421	0.000130823	3.88231E-05	0.000113019	0.000177443	0.00012318	0.000131303	3.67614E-05	0.000113019	0.00017966	**6210**
6211	0.000126325	0.00013439	4.60862E-05	0.00011233	0.000160013	0.000124689	0.000132505	4.1536E-05	0.00011233	0.000164454	**6211**
6212	0.000121646	0.000128975	4.87251E-05	0.000106536	0.000143829	0.000118986	0.000126142	4.28529E-05	0.000106536	0.000150439	**6212**
6213	0.000114081	0.000120828	4.69566E-05	9.67314E-05	0.000129717	0.00011005	0.000116563	4.07576E-05	9.67314E-05	0.000136862	**6213**
6214	0.000102581	0.000108722	4.14872E-05	8.44616E-05	0.000119177	9.7878E-05	0.000103702	3.59122E-05	8.44616E-05	0.000127059	**6214**
6215	8.90286E-05	9.45048E-05	3.45446E-05	7.38467E-05	0.000115394	8.53088E-05	9.04827E-05	3.02634E-05	7.38467E-05	0.000122898	**6215**
6216	7.90523E-05	8.42785E-05	2.70559E-05	6.69323E-05	0.000113506	7.66526E-05	8.15505E-05	2.45438E-05	6.69323E-05	0.00012084	**6216**
6217	6.96778E-05	7.46695E-05	2.00147E-05	6.03594E-05	0.000114411	6.84848E-05	7.31217E-05	1.91529E-05	6.03594E-05	0.000121857	**6217**
6218	6.63577E-05	7.13174E-05	1.7013E-05	5.8643E-05	0.000117126	6.59086E-05	7.05071E-05	1.69837E-05	5.8643E-05	0.000124883	**6218**
6219	6.57348E-05	7.07345E-05	1.59922E-05	5.88628E-05	0.000125369	6.57062E-05	7.03462E-05	1.63409E-05	5.88628E-05	0.000134055	**6219**
6220	6.8753E-05	7.40159E-05	1.63913E-05	6.26928E-05	0.000136751	6.92584E-05	7.41678E-05	1.7027E-05	6.26928E-05	0.000146686	**6220**
6221	7.56742E-05	8.1418E-05	1.8528E-05	6.9089E-05	0.000151099	7.62301E-05	8.16033E-05	1.90644E-05	6.9089E-05	0.000162577	**6221**
6222	8.22955E-05	8.84193E-05	2.13691E-05	7.46155E-05	0.000159016	8.25687E-05	8.83101E-05	2.14857E-05	7.46155E-05	0.000171514	**6222**
6223	8.3608E-05	8.95397E-05	2.45923E-05	7.67526E-05	0.000212227	8.40831E-05	8.9744E-05	2.3856E-05	7.67526E-05	0.000218159	**6223**

6224	8.12805E-05	8.68521E-05	2.58474E-05	7.66101E-05	0.000216476	8.24875E-05	8.79159E-05	2.47347E-05	7.66101E-05	0.000222958	6224
6225	8.19237E-05	8.74778E-05	2.66649E-05	7.68996E-05	0.000218831	8.29483E-05	8.83651E-05	2.5318E-05	7.68996E-05	0.000225491	6225
6226	8.61202E-05	9.19354E-05	2.82634E-05	8.03382E-05	0.000219115	8.6953E-05	9.26168E-05	2.66952E-05	8.03382E-05	0.000225762	6226
6227	8.94177E-05	9.54374E-05	2.95266E-05	8.30001E-05	0.000220316	9.0081E-05	9.59373E-05	2.77755E-05	8.30001E-05	0.000227082	6227
6228	9.0179E-05	9.63221E-05	2.90603E-05	8.34922E-05	0.000214589	9.08089E-05	9.67636E-05	2.74555E-05	8.34922E-05	0.00022277	6228
6229	9.32587E-05	9.96668E-05	2.95033E-05	8.63744E-05	0.000212376	9.39681E-05	0.000100168	2.80013E-05	8.63744E-05	0.000220313	6229
6230	9.72718E-05	0.000104087	2.94699E-05	9.08705E-05	0.000206786	9.84675E-05	0.000105053	2.8401E-05	9.08705E-05	0.000214131	6230
6231	0.000102968	0.00011028	3.02136E-05	9.6413E-05	0.000202815	0.000104412	0.000111463	2.9393E-05	9.6413E-05	0.000207696	6231
6232	0.000111315	0.000119276	3.21164E-05	0.000103458	0.00019138	0.000112573	0.000120217	3.12454E-05	0.000103458	0.000195024	6232
6233	0.000118733	0.000127224	3.42533E-05	0.000110979	0.000183338	0.000120357	0.000128527	3.34352E-05	0.000110979	0.000186142	6233
6234	0.000122421	0.000130823	3.88231E-05	0.000113019	0.000177443	0.00012318	0.000131303	3.67614E-05	0.000113019	0.00017966	6234
6235	0.000126325	0.00013439	4.60862E-05	0.00011233	0.000160013	0.000124689	0.000132505	4.1536E-05	0.00011233	0.000164454	6235
6236	0.000121646	0.000128975	4.87251E-05	0.000106536	0.000143829	0.000118986	0.000126142	4.28529E-05	0.000106536	0.000150439	6236
6237	0.000114081	0.000120828	4.69566E-05	9.67314E-05	0.000129717	0.00011005	0.000116563	4.07576E-05	9.67314E-05	0.000136862	6237
6238	0.000102581	0.000108722	4.14872E-05	8.44616E-05	0.000119177	9.7878E-05	0.000103702	3.59122E-05	8.44616E-05	0.000127059	6238
6239	8.90286E-05	9.45048E-05	3.45446E-05	7.38467E-05	0.000115394	8.53088E-05	9.04827E-05	3.02634E-05	7.38467E-05	0.000122898	6239
6240	7.90523E-05	8.42785E-05	2.70559E-05	6.69323E-05	0.000113506	7.66526E-05	8.15505E-05	2.45438E-05	6.69323E-05	0.00012084	6240
6241	7.09407E-05	7.60373E-05	2.02333E-05	6.15302E-05	0.000113697	6.97723E-05	7.45068E-05	1.94015E-05	6.15302E-05	0.000121042	6241
6242	6.61708E-05	7.11153E-05	1.69763E-05	5.84419E-05	0.000117851	6.57058E-05	7.02895E-05	1.69389E-05	5.84419E-05	0.000125695	6242
6243	6.56026E-05	7.05909E-05	1.59723E-05	5.87598E-05	0.000126059	6.558E-05	7.021E-05	1.63205E-05	5.87598E-05	0.000134827	6243
6244	6.87758E-05	7.40401E-05	1.64007E-05	6.27491E-05	0.000137696	6.92971E-05	7.42087E-05	1.70415E-05	6.27491E-05	0.000147739	6244
6245	7.59386E-05	8.17032E-05	1.85858E-05	6.94121E-05	0.000152483	7.65339E-05	8.19286E-05	1.91388E-05	6.94121E-05	0.000164115	6245
6246	8.23331E-05	8.84585E-05	2.13904E-05	7.47457E-05	0.000160916	8.26488E-05	8.83945E-05	2.15205E-05	7.47457E-05	0.000173625	6246
6247	8.48E-05	9.08505E-05	2.46028E-05	7.66914E-05	0.000214425	8.47873E-05	9.05136E-05	2.3865E-05	7.66914E-05	0.000220595	6247
6248	8.06067E-05	8.6123E-05	2.57246E-05	7.59452E-05	0.000219252	8.1783E-05	8.71587E-05	2.45905E-05	7.59452E-05	0.00022603	6248
6249	8.11942E-05	8.66881E-05	2.65349E-05	7.61989E-05	0.000221888	8.21939E-05	8.7554E-05	2.51674E-05	7.61989E-05	0.000228867	6249
6250	8.61057E-05	9.19195E-05	2.82625E-05	8.03353E-05	0.000222111	8.69428E-05	9.26056E-05	2.66954E-05	8.03353E-05	0.000229064	6250
6251	9.03417E-05	9.64375E-05	2.96937E-05	8.39029E-05	0.000223402	9.10433E-05	9.69717E-05	2.79707E-05	8.39029E-05	0.000230474	6251
6252	9.16557E-05	9.79196E-05	2.93346E-05	8.49825E-05	0.000217758	9.23675E-05	9.84382E-05	2.77809E-05	8.49825E-05	0.000226256	6252
6253	9.52282E-05	0.000101798	2.9863E-05	8.83222E-05	0.000215198	9.60294E-05	0.000102384	2.8424E-05	8.83222E-05	0.000223412	6253
6254	9.97666E-05	0.000106788	2.99041E-05	9.31992E-05	0.000209936	0.000101018	0.000107797	2.88966E-05	9.31992E-05	0.000217592	6254
6255	0.000106011	0.000113576	3.07418E-05	9.92436E-05	0.000205778	0.000107519	0.000114805	2.99947E-05	9.92436E-05	0.000210949	6255
6256	0.000115448	0.000123753	3.28162E-05	0.000107189	0.000194405	0.000116742	0.000124704	3.203E-05	0.000107189	0.000198347	6256
6257	0.0001233	0.000132165	3.50964E-05	0.000115555	0.000186502	0.000125163	0.000133691	3.44322E-05	0.000115555	0.000189623	6257
6258	0.000126337	0.000135059	3.95616E-05	0.000117043	0.000180696	0.000127345	0.000135776	3.76451E-05	0.000117043	0.000183252	6258
6259	0.000129708	0.000138051	4.67007E-05	0.000115654	0.000163287	0.00012822	0.0001363	4.22558E-05	0.000115654	0.000168069	6259
6260	0.00012444	0.000132001	4.92109E-05	0.000109141	0.000146972	0.000121841	0.000129213	4.3407E-05	0.000109141	0.000153908	6260
6261	0.000114981	0.000121783	4.73071E-05	9.87247E-05	0.000132189	0.000111475	0.000118085	4.11583E-05	9.87247E-05	0.000139586	6261
6262	0.00010425	0.00011053	4.17688E-05	8.5962E-05	0.000121007	9.95589E-05	0.000105512	3.62272E-05	8.5962E-05	0.000129069	6262
6263	9.04262E-05	9.6017E-05	3.48014E-05	7.52392E-05	0.000117042	8.67761E-05	9.20595E-05	3.05663E-05	7.52392E-05	0.000124707	6263
6264	8.00609E-05	8.53698E-05	2.72418E-05	6.79406E-05	0.000114687	7.7713E-05	8.26899E-05	2.47634E-05	6.79406E-05	0.000122136	6264
6265	7.09407E-05	7.60373E-05	2.02333E-05	6.15302E-05	0.000113697	6.97723E-05	7.45068E-05	1.94015E-05	6.15302E-05	0.000121042	6265
6266	6.61708E-05	7.11153E-05	1.69763E-05	5.84419E-05	0.000117851	6.57058E-05	7.02895E-05	1.69389E-05	5.84419E-05	0.000125695	6266
6267	6.56026E-05	7.05909E-05	1.59723E-05	5.87598E-05	0.000126059	6.558E-05	7.021E-05	1.63205E-05	5.87598E-05	0.000134827	6267
6268	6.87758E-05	7.40401E-05	1.64007E-05	6.27491E-05	0.000137696	6.92971E-05	7.42087E-05	1.70415E-05	6.27491E-05	0.000147739	6268
6269	7.59386E-05	8.17032E-05	1.85858E-05	6.94121E-05	0.000152483	7.65339E-05	8.19286E-05	1.91388E-05	6.94121E-05	0.000164115	6269
6270	8.23331E-05	8.84585E-05	2.13904E-05	7.47457E-05	0.000160916	8.26488E-05	8.83945E-05	2.15205E-05	7.47457E-05	0.000173625	6270
6271	8.48E-05	9.08505E-05	2.46028E-05	7.66914E-05	0.000214425	8.47873E-05	9.05136E-05	2.3865E-05	7.66914E-05	0.000220595	6271
6272	8.06067E-05	8.6123E-05	2.57246E-05	7.59452E-05	0.000219252	8.1783E-05	8.71587E-05	2.45905E-05	7.59452E-05	0.00022603	6272
6273	8.11942E-05	8.66881E-05	2.65349E-05	7.61989E-05	0.000221888	8.21939E-05	8.7554E-05	2.51674E-05	7.61989E-05	0.000228867	6273
6274	8.61057E-05	9.19195E-05	2.82625E-05	8.03353E-05	0.000222111	8.69428E-05	9.26056E-05	2.66954E-05	8.03353E-05	0.000229064	6274
6275	9.03417E-05	9.64375E-05	2.96937E-05	8.39029E-05	0.000223402	9.10433E-05	9.69717E-05	2.79707E-05	8.39029E-05	0.000230474	6275
6276	9.16557E-05	9.79196E-05	2.93346E-05	8.49825E-05	0.000217758	9.23675E-05	9.84382E-05	2.77809E-05	8.49825E-05	0.000226256	6276
6277	9.52282E-05	0.000101798	2.9863E-05	8.83222E-05	0.000215198	9.60294E-05	0.000102384	2.8424E-05	8.83222E-05	0.000223412	6277
6278	9.97666E-05	0.000106788	2.99041E-05	9.31992E-05	0.000209936	0.000101018	0.000107797	2.88966E-05	9.31992E-05	0.000217592	6278
6279	0.000106011	0.000113576	3.07418E-05	9.92436E-05	0.000205778	0.000107519	0.000114805	2.99947E-05	9.92436E-05	0.000210949	6279
6280	0.000115448	0.000123753	3.28162E-05	0.000107189	0.000194405	0.000116742	0.000124704	3.203E-05	0.000107189	0.000198347	6280
6281	0.0001233	0.000132165	3.50964E-05	0.000115555	0.000186502	0.000125163	0.000133691	3.44322E-05	0.000115555	0.000189623	6281
6282	0.000126337	0.000135059	3.95616E-05	0.000117043	0.000180696	0.000127345	0.000135776	3.76451E-05	0.000117043	0.000183252	6282
6283	0.000129708	0.000138051	4.67007E-05	0.000115654	0.000163287	0.00012822	0.0001363	4.22558E-05	0.000115654	0.000168069	6283
6284	0.00012444	0.000132001	4.92109E-05	0.000109141	0.000146972	0.000121841	0.000129213	4.3407E-05	0.000109141	0.000153908	6284
6285	0.000114981	0.000121783	4.73071E-05	9.87247E-05	0.000132189	0.000111475	0.000118085	4.11583E-05	9.87247E-05	0.000139586	6285
6286	0.00010425	0.00011053	4.17688E-05	8.5962E-05	0.000121007	9.95589E-05	0.000105512	3.62272E-05	8.5962E-05	0.000129069	6286
6287	9.04262E-05	9.6017E-05	3.48014E-05	7.52392E-05	0.000117042	8.67761E-05	9.20595E-05	3.05663E-05	7.52392E-05	0.000124707	6287
6288	8.00609E-05	8.53698E-05	2.72418E-05	6.79406E-05	0.000114687	7.7713E-05	8.26899E-05	2.47634E-05	6.79406E-05	0.000122136	6288
6289	6.96778E-05	7.46695E-05	2.00147E-05	6.03594E-05	0.000114411	6.84848E-05	7.31217E-05	1.91529E-05	6.03594E-05	0.000121857	6289
6290	6.63577E-05	7.13174E-05	1.7013E-05	5.8643E-05	0.000117126	6.59086E-05	7.05071E-05	1.69837E-05	5.8643E-05	0.000124883	6290
6291	6.57348E-05	7.07345E-05	1.59922E-05	5.88628E-05	0.000125369	6.57062E-05	7.03462E-05	1.63409E-05	5.88628E-05	0.000134055	6291
6292	6.8753E-05	7.40159E-05	1.63913E-05	6.26928E-05	0.000136751	6.92584E-05	7.41678E-05	1.7027E-05	6.26928E-05	0.000146686	6292
6293	7.56742E-05	8.1418E-05	1.8528E-05	6.9089E-05	0.000151099	7.62301E-05	8.16033E-05	1.90644E-05	6.9089E-05	0.000162577	6293
6294	8.22955E-05	8.84193E-05	2.13691E-05	7.46155E-05	0.000159016	8.25687E-05	8.83101E-05	2.14857E-05	7.46155E-05	0.000171514	6294
6295	8.3608E-05	8.95397E-05	2.45923E-05	7.67526E-05	0.000212227	8.40831E-05	8.9744E-05	2.3856E-05	7.67526E-05	0.000218159	6295
6296	8.12805E-05	8.68521E-05	2.58474E-05	7.66101E-05	0.000216476	8.24875E-05	8.79159E-05	2.47347E-05	7.66101E-05	0.000222958	6296
6297	8.19237E-05	8.74778E-05	2.66649E-05	7.68996E-05	0.000218831	8.29483E-05	8.83651E-05	2.5318E-05	7.68996E-05	0.000225491	6297
6298	8.61202E-05	9.19354E-05	2.82634E-05	8.03382E-05	0.000219115	8.6953E-05	9.26168E-05	2.66952E-05	8.03382E-05	0.000225762	6298
6299	8.94177E-05	9.54374E-05	2.95266E-05	8.30001E-05	0.000220316	9.0081E-05	9.59373E-05	2.77755E-05	8.30001E-05	0.000227082	6299

6300	9.0179E-05	9.63221E-05	2.90603E-05	8.34922E-05	0.000214589	9.08089E-05	9.67636E-05	2.74555E-05	8.34922E-05	0.00022277	**6300**
6301	9.32587E-05	9.96668E-05	2.95033E-05	8.63744E-05	0.000212376	9.39681E-05	0.000100168	2.80013E-05	8.63744E-05	0.000220313	**6301**
6302	9.72718E-05	0.000104087	2.94699E-05	9.08705E-05	0.000206786	9.84675E-05	0.000105053	2.8401E-05	9.08705E-05	0.000214131	**6302**
6303	0.000102968	0.00011028	3.02136E-05	9.6413E-05	0.000202815	0.000104412	0.000111463	2.9393E-05	9.6413E-05	0.000207696	**6303**
6304	0.000111315	0.000119276	3.21164E-05	0.000103458	0.00019138	0.000112573	0.000120217	3.12454E-05	0.000103458	0.000195024	**6304**
6305	0.000118733	0.000127224	3.42533E-05	0.000110979	0.000183338	0.000120357	0.000128527	3.34352E-05	0.000110979	0.000186142	**6305**
6306	0.000122421	0.000130823	3.88231E-05	0.000113019	0.000177443	0.00012318	0.000131303	3.67614E-05	0.000113019	0.00017966	**6306**
6307	0.000126325	0.00013439	4.60862E-05	0.00011233	0.000160013	0.000124689	0.000132505	4.1536E-05	0.00011233	0.000164454	**6307**
6308	0.000121646	0.000128975	4.87251E-05	0.000106536	0.000143829	0.000118986	0.000126142	4.28529E-05	0.000106536	0.000150439	**6308**
6309	0.000114081	0.000120828	4.69566E-05	9.67314E-05	0.000129717	0.00011005	0.000116563	4.07576E-05	9.67314E-05	0.000136862	**6309**
6310	0.000102581	0.000108722	4.14872E-05	8.44616E-05	0.000119177	9.7878E-05	0.000103702	3.59122E-05	8.44616E-05	0.000127059	**6310**
6311	8.90286E-05	9.45048E-05	3.45446E-05	7.38467E-05	0.000115394	8.53088E-05	9.04827E-05	3.02634E-05	7.38467E-05	0.000122898	**6311**
6312	7.90523E-05	8.42785E-05	2.70559E-05	6.69323E-05	0.000113506	7.66526E-05	8.15505E-05	2.45438E-05	6.69323E-05	0.00012084	**6312**
6313	6.96778E-05	7.46695E-05	2.00147E-05	6.03594E-05	0.000114411	6.84848E-05	7.31217E-05	1.91529E-05	6.03594E-05	0.000121857	**6313**
6314	6.63577E-05	7.13174E-05	1.7013E-05	5.8643E-05	0.000117126	6.59086E-05	7.05071E-05	1.69837E-05	5.8643E-05	0.000124883	**6314**
6315	6.57348E-05	7.07345E-05	1.59922E-05	5.88628E-05	0.000125369	6.57062E-05	7.03462E-05	1.63409E-05	5.88628E-05	0.000134055	**6315**
6316	6.8753E-05	7.40159E-05	1.63913E-05	6.26928E-05	0.000136751	6.92584E-05	7.41678E-05	1.7027E-05	6.26928E-05	0.000146686	**6316**
6317	7.56742E-05	8.1418E-05	1.8528E-05	6.9089E-05	0.000151099	7.62301E-05	8.16033E-05	1.90644E-05	6.9089E-05	0.000162577	**6317**
6318	8.22955E-05	8.84193E-05	2.13691E-05	7.46155E-05	0.000159016	8.25687E-05	8.83101E-05	2.14857E-05	7.46155E-05	0.000171514	**6318**
6319	8.3608E-05	8.95397E-05	2.45923E-05	7.67526E-05	0.000212227	8.40831E-05	8.9744E-05	2.3856E-05	7.67526E-05	0.000218159	**6319**
6320	8.12805E-05	8.68521E-05	2.58474E-05	7.66101E-05	0.000216476	8.24875E-05	8.79159E-05	2.47347E-05	7.66101E-05	0.000222958	**6320**
6321	8.19237E-05	8.74778E-05	2.66649E-05	7.68996E-05	0.000218831	8.29483E-05	8.83651E-05	2.5318E-05	7.68996E-05	0.000225491	**6321**
6322	8.61202E-05	9.19354E-05	2.82634E-05	8.03382E-05	0.000219115	8.6953E-05	9.26168E-05	2.66952E-05	8.03382E-05	0.000225762	**6322**
6323	8.94177E-05	9.54374E-05	2.95266E-05	8.30001E-05	0.000220316	9.0081E-05	9.59373E-05	2.77755E-05	8.30001E-05	0.000227082	**6323**
6324	9.0179E-05	9.63221E-05	2.90603E-05	8.34922E-05	0.000214589	9.08089E-05	9.67636E-05	2.74555E-05	8.34922E-05	0.00022277	**6324**
6325	9.32587E-05	9.96668E-05	2.95033E-05	8.63744E-05	0.000212376	9.39681E-05	0.000100168	2.80013E-05	8.63744E-05	0.000220313	**6325**
6326	9.72718E-05	0.000104087	2.94699E-05	9.08705E-05	0.000206786	9.84675E-05	0.000105053	2.8401E-05	9.08705E-05	0.000214131	**6326**
6327	0.000102968	0.00011028	3.02136E-05	9.6413E-05	0.000202815	0.000104412	0.000111463	2.9393E-05	9.6413E-05	0.000207696	**6327**
6328	0.000111315	0.000119276	3.21164E-05	0.000103458	0.00019138	0.000112573	0.000120217	3.12454E-05	0.000103458	0.000195024	**6328**
6329	0.000118733	0.000127224	3.42533E-05	0.000110979	0.000183338	0.000120357	0.000128527	3.34352E-05	0.000110979	0.000186142	**6329**
6330	0.000122421	0.000130823	3.88231E-05	0.000113019	0.000177443	0.00012318	0.000131303	3.67614E-05	0.000113019	0.00017966	**6330**
6331	0.000126325	0.00013439	4.60862E-05	0.00011233	0.000160013	0.000124689	0.000132505	4.1536E-05	0.00011233	0.000164454	**6331**
6332	0.000121646	0.000128975	4.87251E-05	0.000106536	0.000143829	0.000118986	0.000126142	4.28529E-05	0.000106536	0.000150439	**6332**
6333	0.000114081	0.000120828	4.69566E-05	9.67314E-05	0.000129717	0.00011005	0.000116563	4.07576E-05	9.67314E-05	0.000136862	**6333**
6334	0.000102581	0.000108722	4.14872E-05	8.44616E-05	0.000119177	9.7878E-05	0.000103702	3.59122E-05	8.44616E-05	0.000127059	**6334**
6335	8.90286E-05	9.45048E-05	3.45446E-05	7.38467E-05	0.000115394	8.53088E-05	9.04827E-05	3.02634E-05	7.38467E-05	0.000122898	**6335**
6336	7.90523E-05	8.42785E-05	2.70559E-05	6.69323E-05	0.000113506	7.66526E-05	8.15505E-05	2.45438E-05	6.69323E-05	0.00012084	**6336**
6337	6.96778E-05	7.46695E-05	2.00147E-05	6.03594E-05	0.000114411	6.84848E-05	7.31217E-05	1.91529E-05	6.03594E-05	0.000121857	**6337**
6338	6.63577E-05	7.13174E-05	1.7013E-05	5.8643E-05	0.000117126	6.59086E-05	7.05071E-05	1.69837E-05	5.8643E-05	0.000124883	**6338**
6339	6.57348E-05	7.07345E-05	1.59922E-05	5.88628E-05	0.000125369	6.57062E-05	7.03462E-05	1.63409E-05	5.88628E-05	0.000134055	**6339**
6340	6.8753E-05	7.40159E-05	1.63913E-05	6.26928E-05	0.000136751	6.92584E-05	7.41678E-05	1.7027E-05	6.26928E-05	0.000146686	**6340**
6341	7.56742E-05	8.1418E-05	1.8528E-05	6.9089E-05	0.000151099	7.62301E-05	8.16033E-05	1.90644E-05	6.9089E-05	0.000162577	**6341**
6342	8.22955E-05	8.84193E-05	2.13691E-05	7.46155E-05	0.000159016	8.25687E-05	8.83101E-05	2.14857E-05	7.46155E-05	0.000171514	**6342**
6343	8.3608E-05	8.95397E-05	2.45923E-05	7.67526E-05	0.000212227	8.40831E-05	8.9744E-05	2.3856E-05	7.67526E-05	0.000218159	**6343**
6344	8.12805E-05	8.68521E-05	2.58474E-05	7.66101E-05	0.000216476	8.24875E-05	8.79159E-05	2.47347E-05	7.66101E-05	0.000222958	**6344**
6345	8.19237E-05	8.74778E-05	2.66649E-05	7.68996E-05	0.000218831	8.29483E-05	8.83651E-05	2.5318E-05	7.68996E-05	0.000225491	**6345**
6346	8.61202E-05	9.19354E-05	2.82634E-05	8.03382E-05	0.000219115	8.6953E-05	9.26168E-05	2.66952E-05	8.03382E-05	0.000225762	**6346**
6347	8.94177E-05	9.54374E-05	2.95266E-05	8.30001E-05	0.000220316	9.0081E-05	9.59373E-05	2.77755E-05	8.30001E-05	0.000227082	**6347**
6348	9.0179E-05	9.63221E-05	2.90603E-05	8.34922E-05	0.000214589	9.08089E-05	9.67636E-05	2.74555E-05	8.34922E-05	0.00022277	**6348**
6349	9.32587E-05	9.96668E-05	2.95033E-05	8.63744E-05	0.000212376	9.39681E-05	0.000100168	2.80013E-05	8.63744E-05	0.000220313	**6349**
6350	9.72718E-05	0.000104087	2.94699E-05	9.08705E-05	0.000206786	9.84675E-05	0.000105053	2.8401E-05	9.08705E-05	0.000214131	**6350**
6351	0.000102968	0.00011028	3.02136E-05	9.6413E-05	0.000202815	0.000104412	0.000111463	2.9393E-05	9.6413E-05	0.000207696	**6351**
6352	0.000111315	0.000119276	3.21164E-05	0.000103458	0.00019138	0.000112573	0.000120217	3.12454E-05	0.000103458	0.000195024	**6352**
6353	0.000118733	0.000127224	3.42533E-05	0.000110979	0.000183338	0.000120357	0.000128527	3.34352E-05	0.000110979	0.000186142	**6353**
6354	0.000122421	0.000130823	3.88231E-05	0.000113019	0.000177443	0.00012318	0.000131303	3.67614E-05	0.000113019	0.00017966	**6354**
6355	0.000126325	0.00013439	4.60862E-05	0.00011233	0.000160013	0.000124689	0.000132505	4.1536E-05	0.00011233	0.000164454	**6355**
6356	0.000121646	0.000128975	4.87251E-05	0.000106536	0.000143829	0.000118986	0.000126142	4.28529E-05	0.000106536	0.000150439	**6356**
6357	0.000114081	0.000120828	4.69566E-05	9.67314E-05	0.000129717	0.00011005	0.000116563	4.07576E-05	9.67314E-05	0.000136862	**6357**
6358	0.000102581	0.000108722	4.14872E-05	8.44616E-05	0.000119177	9.7878E-05	0.000103702	3.59122E-05	8.44616E-05	0.000127059	**6358**
6359	8.90286E-05	9.45048E-05	3.45446E-05	7.38467E-05	0.000115394	8.53088E-05	9.04827E-05	3.02634E-05	7.38467E-05	0.000122898	**6359**
6360	7.90523E-05	8.42785E-05	2.70559E-05	6.69323E-05	0.000113506	7.66526E-05	8.15505E-05	2.45438E-05	6.69323E-05	0.00012084	**6360**
6361	6.96778E-05	7.46695E-05	2.00147E-05	6.03594E-05	0.000114411	6.84848E-05	7.31217E-05	1.91529E-05	6.03594E-05	0.000121857	**6361**
6362	6.63577E-05	7.13174E-05	1.7013E-05	5.8643E-05	0.000117126	6.59086E-05	7.05071E-05	1.69837E-05	5.8643E-05	0.000124883	**6362**
6363	6.57348E-05	7.07345E-05	1.59922E-05	5.88628E-05	0.000125369	6.57062E-05	7.03462E-05	1.63409E-05	5.88628E-05	0.000134055	**6363**
6364	6.8753E-05	7.40159E-05	1.63913E-05	6.26928E-05	0.000136751	6.92584E-05	7.41678E-05	1.7027E-05	6.26928E-05	0.000146686	**6364**
6365	7.56742E-05	8.1418E-05	1.8528E-05	6.9089E-05	0.000151099	7.62301E-05	8.16033E-05	1.90644E-05	6.9089E-05	0.000162577	**6365**
6366	8.22955E-05	8.84193E-05	2.13691E-05	7.46155E-05	0.000159016	8.25687E-05	8.83101E-05	2.14857E-05	7.46155E-05	0.000171514	**6366**
6367	8.3608E-05	8.95397E-05	2.45923E-05	7.67526E-05	0.000212227	8.40831E-05	8.9744E-05	2.3856E-05	7.67526E-05	0.000218159	**6367**
6368	8.12805E-05	8.68521E-05	2.58474E-05	7.66101E-05	0.000216476	8.24875E-05	8.79159E-05	2.47347E-05	7.66101E-05	0.000222958	**6368**
6369	8.19237E-05	8.74778E-05	2.66649E-05	7.68996E-05	0.000218831	8.29483E-05	8.83651E-05	2.5318E-05	7.68996E-05	0.000225491	**6369**
6370	8.61202E-05	9.19354E-05	2.82634E-05	8.03382E-05	0.000219115	8.6953E-05	9.26168E-05	2.66952E-05	8.03382E-05	0.000225762	**6370**
6371	8.94177E-05	9.54374E-05	2.95266E-05	8.30001E-05	0.000220316	9.0081E-05	9.59373E-05	2.77755E-05	8.30001E-05	0.000227082	**6371**
6372	9.0179E-05	9.63221E-05	2.90603E-05	8.34922E-05	0.000214589	9.08089E-05	9.67636E-05	2.74555E-05	8.34922E-05	0.00022277	**6372**
6373	9.32587E-05	9.96668E-05	2.95033E-05	8.63744E-05	0.000212376	9.39681E-05	0.000100168	2.80013E-05	8.63744E-05	0.000220313	**6373**
6374	9.72718E-05	0.000104087	2.94699E-05	9.08705E-05	0.000206786	9.84675E-05	0.000105053	2.8401E-05	9.08705E-05	0.000214131	**6374**
6375	0.000102968	0.00011028	3.02136E-05	9.6413E-05	0.000202815	0.000104412	0.000111463	2.9393E-05	9.6413E-05	0.000207696	**6375**

6376	0.000111315	0.000119276	3.21164E-05	0.000103458	0.00019138	0.000112573	0.000120217	3.12454E-05	0.000103458	0.000195024	**6376**
6377	0.000118733	0.000127224	3.42533E-05	0.000110979	0.000183338	0.000120357	0.000128527	3.34352E-05	0.000110979	0.000186142	**6377**
6378	0.000122421	0.000130823	3.88231E-05	0.000113019	0.000177443	0.00012318	0.000131303	3.67614E-05	0.000113019	0.00017966	**6378**
6379	0.000126325	0.00013439	4.60862E-05	0.00011233	0.000160013	0.000124689	0.000132505	4.1536E-05	0.00011233	0.000164454	**6379**
6380	0.000121646	0.000128975	4.87251E-05	0.000106536	0.000143829	0.000118986	0.000126142	4.28529E-05	0.000106536	0.000150439	**6380**
6381	0.000114081	0.000120828	4.69566E-05	9.67314E-05	0.000129717	0.00011005	0.000116563	4.07576E-05	9.67314E-05	0.000136862	**6381**
6382	0.000102581	0.000108722	4.14872E-05	8.44616E-05	0.000119177	9.7878E-05	0.000103702	3.59122E-05	8.44616E-05	0.000127059	**6382**
6383	8.90286E-05	9.45048E-05	3.45446E-05	7.38467E-05	0.000115394	8.53088E-05	9.04827E-05	3.02634E-05	7.38467E-05	0.000122898	**6383**
6384	7.90523E-05	8.42785E-05	2.70559E-05	6.69323E-05	0.000113506	7.66526E-05	8.15505E-05	2.45438E-05	6.69323E-05	0.00012084	**6384**
6385	6.96778E-05	7.46695E-05	2.00147E-05	6.03594E-05	0.000114411	6.84848E-05	7.31217E-05	1.91529E-05	6.03594E-05	0.000121857	**6385**
6386	6.63577E-05	7.13174E-05	1.7013E-05	5.8643E-05	0.000117126	6.59086E-05	7.05071E-05	1.69837E-05	5.8643E-05	0.000124883	**6386**
6387	6.57348E-05	7.07345E-05	1.59922E-05	5.88628E-05	0.000125369	6.57062E-05	7.03462E-05	1.63409E-05	5.88628E-05	0.000134055	**6387**
6388	6.8753E-05	7.40159E-05	1.63913E-05	6.26928E-05	0.000136751	6.92584E-05	7.41678E-05	1.7027E-05	6.26928E-05	0.000146686	**6388**
6389	7.56742E-05	8.1418E-05	1.8528E-05	6.9089E-05	0.000151099	7.62301E-05	8.16033E-05	1.90644E-05	6.9089E-05	0.000162577	**6389**
6390	8.22955E-05	8.84193E-05	2.13691E-05	7.46155E-05	0.000159016	8.25687E-05	8.83101E-05	2.14857E-05	7.46155E-05	0.000171514	**6390**
6391	8.3608E-05	8.95397E-05	2.45923E-05	7.67526E-05	0.000212227	8.40831E-05	8.9744E-05	2.3856E-05	7.67526E-05	0.000218159	**6391**
6392	8.12805E-05	8.68521E-05	2.58474E-05	7.66101E-05	0.000216476	8.24875E-05	8.79159E-05	2.47347E-05	7.66101E-05	0.000222958	**6392**
6393	8.19237E-05	8.74778E-05	2.66649E-05	7.68996E-05	0.000218831	8.29483E-05	8.83651E-05	2.5318E-05	7.68996E-05	0.000225491	**6393**
6394	8.61202E-05	9.19354E-05	2.82634E-05	8.03382E-05	0.000219115	8.6953E-05	9.26168E-05	2.66952E-05	8.03382E-05	0.000225762	**6394**
6395	8.94177E-05	9.54374E-05	2.95266E-05	8.30001E-05	0.000220316	9.0081E-05	9.59373E-05	2.77755E-05	8.30001E-05	0.000227082	**6395**
6396	9.0179E-05	9.63221E-05	2.90603E-05	8.34922E-05	0.000214589	9.08089E-05	9.67636E-05	2.74555E-05	8.34922E-05	0.00022277	**6396**
6397	9.32587E-05	9.96668E-05	2.95033E-05	8.63744E-05	0.000212376	9.39681E-05	0.000100168	2.80013E-05	8.63744E-05	0.000220313	**6397**
6398	9.72718E-05	0.000104087	2.94699E-05	9.08705E-05	0.000206786	9.84675E-05	0.000105053	2.8401E-05	9.08705E-05	0.000214131	**6398**
6399	0.000102968	0.00011028	3.02136E-05	9.6413E-05	0.000202815	0.000104412	0.000111463	2.9393E-05	9.6413E-05	0.000207696	**6399**
6400	0.000111315	0.000119276	3.21164E-05	0.000103458	0.00019138	0.000112573	0.000120217	3.12454E-05	0.000103458	0.000195024	**6400**
6401	0.000118733	0.000127224	3.42533E-05	0.000110979	0.000183338	0.000120357	0.000128527	3.34352E-05	0.000110979	0.000186142	**6401**
6402	0.000122421	0.000130823	3.88231E-05	0.000113019	0.000177443	0.00012318	0.000131303	3.67614E-05	0.000113019	0.00017966	**6402**
6403	0.000126325	0.00013439	4.60862E-05	0.00011233	0.000160013	0.000124689	0.000132505	4.1536E-05	0.00011233	0.000164454	**6403**
6404	0.000121646	0.000128975	4.87251E-05	0.000106536	0.000143829	0.000118986	0.000126142	4.28529E-05	0.000106536	0.000150439	**6404**
6405	0.000114081	0.000120828	4.69566E-05	9.67314E-05	0.000129717	0.00011005	0.000116563	4.07576E-05	9.67314E-05	0.000136862	**6405**
6406	0.000102581	0.000108722	4.14872E-05	8.44616E-05	0.000119177	9.7878E-05	0.000103702	3.59122E-05	8.44616E-05	0.000127059	**6406**
6407	8.90286E-05	9.45048E-05	3.45446E-05	7.38467E-05	0.000115394	8.53088E-05	9.04827E-05	3.02634E-05	7.38467E-05	0.000122898	**6407**
6408	7.90523E-05	8.42785E-05	2.70559E-05	6.69323E-05	0.000113506	7.66526E-05	8.15505E-05	2.45438E-05	6.69323E-05	0.00012084	**6408**
6409	7.09407E-05	7.60373E-05	2.02333E-05	6.15302E-05	0.000113697	6.97723E-05	7.45068E-05	1.94015E-05	6.15302E-05	0.000121042	**6409**
6410	6.61708E-05	7.11153E-05	1.69763E-05	5.84419E-05	0.000117851	6.57058E-05	7.02895E-05	1.69389E-05	5.84419E-05	0.000125695	**6410**
6411	6.56026E-05	7.05909E-05	1.59723E-05	5.87598E-05	0.000126059	6.558E-05	7.021E-05	1.63205E-05	5.87598E-05	0.000134827	**6411**
6412	6.87758E-05	7.40401E-05	1.64007E-05	6.27491E-05	0.000137696	6.92971E-05	7.42087E-05	1.70415E-05	6.27491E-05	0.000147739	**6412**
6413	7.59386E-05	8.17032E-05	1.85858E-05	6.94121E-05	0.000152483	7.65339E-05	8.19286E-05	1.91388E-05	6.94121E-05	0.000164115	**6413**
6414	8.23331E-05	8.84585E-05	2.13904E-05	7.47457E-05	0.000160916	8.26488E-05	8.83945E-05	2.15205E-05	7.47457E-05	0.000173625	**6414**
6415	8.48E-05	9.08505E-05	2.46028E-05	7.66914E-05	0.000214425	8.47873E-05	9.05136E-05	2.3865E-05	7.66914E-05	0.000220595	**6415**
6416	8.06067E-05	8.6123E-05	2.57246E-05	7.59452E-05	0.000219252	8.1783E-05	8.71587E-05	2.45905E-05	7.59452E-05	0.00022603	**6416**
6417	8.11942E-05	8.66881E-05	2.65349E-05	7.61989E-05	0.000221888	8.21939E-05	8.7554E-05	2.51674E-05	7.61989E-05	0.000228867	**6417**
6418	8.61057E-05	9.19195E-05	2.82625E-05	8.03353E-05	0.000222111	8.69428E-05	9.26056E-05	2.66954E-05	8.03353E-05	0.000229064	**6418**
6419	9.03417E-05	9.64375E-05	2.96937E-05	8.39029E-05	0.000223402	9.10433E-05	9.69717E-05	2.79707E-05	8.39029E-05	0.000230474	**6419**
6420	9.16557E-05	9.79196E-05	2.93346E-05	8.49825E-05	0.000217758	9.23675E-05	9.84382E-05	2.77809E-05	8.49825E-05	0.000226256	**6420**
6421	9.52282E-05	0.000101798	2.9863E-05	8.83222E-05	0.000215198	9.60294E-05	0.000102384	2.8424E-05	8.83222E-05	0.000223412	**6421**
6422	9.97666E-05	0.000106788	2.99041E-05	9.31992E-05	0.000209936	0.000101018	0.000107797	2.88966E-05	9.31992E-05	0.000217592	**6422**
6423	0.000106011	0.000113576	3.07418E-05	9.92436E-05	0.000205778	0.000107519	0.000114805	2.99947E-05	9.92436E-05	0.000210949	**6423**
6424	0.000115448	0.000123753	3.28162E-05	0.000107189	0.000194405	0.000116742	0.000124704	3.203E-05	0.000107189	0.000198347	**6424**
6425	0.0001233	0.000132165	3.50964E-05	0.000115555	0.000186502	0.000125163	0.000133691	3.44322E-05	0.000115555	0.000189623	**6425**
6426	0.000126337	0.000135059	3.95616E-05	0.000117043	0.000180696	0.000127345	0.000135776	3.76451E-05	0.000117043	0.000183252	**6426**
6427	0.000129708	0.000138051	4.67007E-05	0.000115654	0.000163287	0.00012822	0.0001363	4.22558E-05	0.000115654	0.000168069	**6427**
6428	0.00012444	0.000132001	4.92109E-05	0.000109141	0.000146972	0.000121841	0.000129213	4.3407E-05	0.000109141	0.000153908	**6428**
6429	0.000114981	0.000121783	4.73071E-05	9.87247E-05	0.000132189	0.000111475	0.000118085	4.11583E-05	9.87247E-05	0.000139586	**6429**
6430	0.00010425	0.00011053	4.17688E-05	8.5962E-05	0.000121007	9.95589E-05	0.000105512	3.62272E-05	8.5962E-05	0.000129069	**6430**
6431	9.04262E-05	9.6017E-05	3.48014E-05	7.52392E-05	0.000117042	8.67761E-05	9.20595E-05	3.05663E-05	7.52392E-05	0.000124707	**6431**
6432	8.00609E-05	8.53698E-05	2.72418E-05	6.79406E-05	0.000114687	7.7713E-05	8.26899E-05	2.47634E-05	6.79406E-05	0.000122136	**6432**
6433	7.09407E-05	7.60373E-05	2.02333E-05	6.15302E-05	0.000113697	6.97723E-05	7.45068E-05	1.94015E-05	6.15302E-05	0.000121042	**6433**
6434	6.61708E-05	7.11153E-05	1.69763E-05	5.84419E-05	0.000117851	6.57058E-05	7.02895E-05	1.69389E-05	5.84419E-05	0.000125695	**6434**
6435	6.56026E-05	7.05909E-05	1.59723E-05	5.87598E-05	0.000126059	6.558E-05	7.021E-05	1.63205E-05	5.87598E-05	0.000134827	**6435**
6436	6.87758E-05	7.40401E-05	1.64007E-05	6.27491E-05	0.000137696	6.92971E-05	7.42087E-05	1.70415E-05	6.27491E-05	0.000147739	**6436**
6437	7.59386E-05	8.17032E-05	1.85858E-05	6.94121E-05	0.000152483	7.65339E-05	8.19286E-05	1.91388E-05	6.94121E-05	0.000164115	**6437**
6438	8.23331E-05	8.84585E-05	2.13904E-05	7.47457E-05	0.000160916	8.26488E-05	8.83945E-05	2.15205E-05	7.47457E-05	0.000173625	**6438**
6439	8.48E-05	9.08505E-05	2.46028E-05	7.66914E-05	0.000214425	8.47873E-05	9.05136E-05	2.3865E-05	7.66914E-05	0.000220595	**6439**
6440	8.06067E-05	8.6123E-05	2.57246E-05	7.59452E-05	0.000219252	8.1783E-05	8.71587E-05	2.45905E-05	7.59452E-05	0.00022603	**6440**
6441	8.11942E-05	8.66881E-05	2.65349E-05	7.61989E-05	0.000221888	8.21939E-05	8.7554E-05	2.51674E-05	7.61989E-05	0.000228867	**6441**
6442	8.61057E-05	9.19195E-05	2.82625E-05	8.03353E-05	0.000222111	8.69428E-05	9.26056E-05	2.66954E-05	8.03353E-05	0.000229064	**6442**
6443	9.03417E-05	9.64375E-05	2.96937E-05	8.39029E-05	0.000223402	9.10433E-05	9.69717E-05	2.79707E-05	8.39029E-05	0.000230474	**6443**
6444	9.16557E-05	9.79196E-05	2.93346E-05	8.49825E-05	0.000217758	9.23675E-05	9.84382E-05	2.77809E-05	8.49825E-05	0.000226256	**6444**
6445	9.52282E-05	0.000101798	2.9863E-05	8.83222E-05	0.000215198	9.60294E-05	0.000102384	2.8424E-05	8.83222E-05	0.000223412	**6445**
6446	9.97666E-05	0.000106788	2.99041E-05	9.31992E-05	0.000209936	0.000101018	0.000107797	2.88966E-05	9.31992E-05	0.000217592	**6446**
6447	0.000106011	0.000113576	3.07418E-05	9.92436E-05	0.000205778	0.000107519	0.000114805	2.99947E-05	9.92436E-05	0.000210949	**6447**
6448	0.000115448	0.000123753	3.28162E-05	0.000107189	0.000194405	0.000116742	0.000124704	3.203E-05	0.000107189	0.000198347	**6448**
6449	0.0001233	0.000132165	3.50964E-05	0.000115555	0.000186502	0.000125163	0.000133691	3.44322E-05	0.000115555	0.000189623	**6449**
6450	0.000126337	0.000135059	3.95616E-05	0.000117043	0.000180696	0.000127345	0.000135776	3.76451E-05	0.000117043	0.000183252	**6450**
6451	0.000129708	0.000138051	4.67007E-05	0.000115654	0.000163287	0.00012822	0.0001363	4.22558E-05	0.000115654	0.000168069	**6451**

6452	0.00012444	0.000132001	4.92109E-05	0.000109141	0.000146972	0.000121841	0.000129213	4.3407E-05	0.000109141	0.000153908	6452
6453	0.000114981	0.000121783	4.73071E-05	9.87247E-05	0.000132189	0.000111475	0.000118085	4.11583E-05	9.87247E-05	0.000139586	6453
6454	0.00010425	0.00011053	4.17688E-05	8.5962E-05	0.000121007	9.95589E-05	0.000105512	3.62272E-05	8.5962E-05	0.000129069	6454
6455	9.04262E-05	9.6017E-05	3.48014E-05	7.52392E-05	0.000117042	8.67761E-05	9.20595E-05	3.05663E-05	7.52392E-05	0.000124707	6455
6456	8.00609E-05	8.53698E-05	2.72418E-05	6.79406E-05	0.000114687	7.7713E-05	8.26899E-05	2.47634E-05	6.79406E-05	0.000122136	6456
6457	6.96778E-05	7.46695E-05	2.00147E-05	6.03594E-05	0.000114411	6.84848E-05	7.31217E-05	1.91529E-05	6.03594E-05	0.000121857	6457
6458	6.63577E-05	7.13174E-05	1.7013E-05	5.8643E-05	0.000117126	6.59086E-05	7.05071E-05	1.69837E-05	5.8643E-05	0.000124883	6458
6459	6.57348E-05	7.07345E-05	1.59922E-05	5.88628E-05	0.000125369	6.57062E-05	7.03462E-05	1.63409E-05	5.88628E-05	0.000134055	6459
6460	6.8753E-05	7.40159E-05	1.63913E-05	6.26928E-05	0.000136751	6.92584E-05	7.41678E-05	1.7027E-05	6.26928E-05	0.000146686	6460
6461	7.56742E-05	8.1418E-05	1.8528E-05	6.9089E-05	0.000151099	7.62301E-05	8.16033E-05	1.90644E-05	6.9089E-05	0.000162577	6461
6462	8.22955E-05	8.84193E-05	2.13691E-05	7.46155E-05	0.000159016	8.25687E-05	8.83101E-05	2.14857E-05	7.46155E-05	0.000171514	6462
6463	8.3608E-05	8.95397E-05	2.45923E-05	7.67526E-05	0.000212227	8.40831E-05	8.9744E-05	2.3856E-05	7.67526E-05	0.000218159	6463
6464	8.12805E-05	8.68521E-05	2.58474E-05	7.66101E-05	0.000216476	8.24875E-05	8.79159E-05	2.47347E-05	7.66101E-05	0.000222958	6464
6465	8.19237E-05	8.74778E-05	2.66649E-05	7.68996E-05	0.000218831	8.29483E-05	8.83651E-05	2.5318E-05	7.68996E-05	0.000225491	6465
6466	8.61202E-05	9.19354E-05	2.82634E-05	8.03382E-05	0.000219115	8.6953E-05	9.26168E-05	2.66952E-05	8.03382E-05	0.000225762	6466
6467	8.94177E-05	9.54374E-05	2.95266E-05	8.30001E-05	0.000220316	9.0081E-05	9.59373E-05	2.77755E-05	8.30001E-05	0.000227082	6467
6468	9.0179E-05	9.63221E-05	2.90603E-05	8.34922E-05	0.000214589	9.08089E-05	9.67636E-05	2.74555E-05	8.34922E-05	0.00022277	6468
6469	9.32587E-05	9.96668E-05	2.95033E-05	8.63744E-05	0.000212376	9.39681E-05	0.000100168	2.80013E-05	8.63744E-05	0.000220313	6469
6470	9.72718E-05	0.000104087	2.94699E-05	9.08705E-05	0.000206786	9.84675E-05	0.000105053	2.8401E-05	9.08705E-05	0.000214131	6470
6471	0.000102968	0.00011028	3.02136E-05	9.6413E-05	0.000202815	0.000104412	0.000111463	2.9393E-05	9.6413E-05	0.000207696	6471
6472	0.000111315	0.000119276	3.21164E-05	0.000103458	0.00019138	0.000112573	0.000120217	3.12454E-05	0.000103458	0.000195024	6472
6473	0.000118733	0.000127224	3.42533E-05	0.000110979	0.000183338	0.000120357	0.000128527	3.34352E-05	0.000110979	0.000186142	6473
6474	0.000122421	0.000130823	3.88231E-05	0.000113019	0.000177443	0.00012318	0.000131303	3.67614E-05	0.000113019	0.00017966	6474
6475	0.000126325	0.00013439	4.60862E-05	0.00011233	0.000160013	0.000124689	0.000132505	4.1536E-05	0.00011233	0.000164454	6475
6476	0.000121646	0.000128975	4.87251E-05	0.000106536	0.000143829	0.000118986	0.000126142	4.28529E-05	0.000106536	0.000150439	6476
6477	0.000114081	0.000120828	4.69566E-05	9.67314E-05	0.000129717	0.00011005	0.000116563	4.07576E-05	9.67314E-05	0.000136862	6477
6478	0.000102581	0.000108722	4.14872E-05	8.44616E-05	0.000119177	9.7878E-05	0.000103702	3.59122E-05	8.44616E-05	0.000127059	6478
6479	8.90286E-05	9.45048E-05	3.45446E-05	7.38467E-05	0.000115394	8.53088E-05	9.04827E-05	3.02634E-05	7.38467E-05	0.000122898	6479
6480	7.90523E-05	8.42785E-05	2.70559E-05	6.69323E-05	0.000113506	7.66526E-05	8.15505E-05	2.45438E-05	6.69323E-05	0.00012084	6480
6481	6.96778E-05	7.46695E-05	2.00147E-05	6.03594E-05	0.000114411	6.84848E-05	7.31217E-05	1.91529E-05	6.03594E-05	0.000121857	6481
6482	6.63577E-05	7.13174E-05	1.7013E-05	5.8643E-05	0.000117126	6.59086E-05	7.05071E-05	1.69837E-05	5.8643E-05	0.000124883	6482
6483	6.57348E-05	7.07345E-05	1.59922E-05	5.88628E-05	0.000125369	6.57062E-05	7.03462E-05	1.63409E-05	5.88628E-05	0.000134055	6483
6484	6.8753E-05	7.40159E-05	1.63913E-05	6.26928E-05	0.000136751	6.92584E-05	7.41678E-05	1.7027E-05	6.26928E-05	0.000146686	6484
6485	7.56742E-05	8.1418E-05	1.8528E-05	6.9089E-05	0.000151099	7.62301E-05	8.16033E-05	1.90644E-05	6.9089E-05	0.000162577	6485
6486	8.22955E-05	8.84193E-05	2.13691E-05	7.46155E-05	0.000159016	8.25687E-05	8.83101E-05	2.14857E-05	7.46155E-05	0.000171514	6486
6487	8.3608E-05	8.95397E-05	2.45923E-05	7.67526E-05	0.000212227	8.40831E-05	8.9744E-05	2.3856E-05	7.67526E-05	0.000218159	6487
6488	8.12805E-05	8.68521E-05	2.58474E-05	7.66101E-05	0.000216476	8.24875E-05	8.79159E-05	2.47347E-05	7.66101E-05	0.000222958	6488
6489	8.19237E-05	8.74778E-05	2.66649E-05	7.68996E-05	0.000218831	8.29483E-05	8.83651E-05	2.5318E-05	7.68996E-05	0.000225491	6489
6490	8.61202E-05	9.19354E-05	2.82634E-05	8.03382E-05	0.000219115	8.6953E-05	9.26168E-05	2.66952E-05	8.03382E-05	0.000225762	6490
6491	8.94177E-05	9.54374E-05	2.95266E-05	8.30001E-05	0.000220316	9.0081E-05	9.59373E-05	2.77755E-05	8.30001E-05	0.000227082	6491
6492	9.0179E-05	9.63221E-05	2.90603E-05	8.34922E-05	0.000214589	9.08089E-05	9.67636E-05	2.74555E-05	8.34922E-05	0.00022277	6492
6493	9.32587E-05	9.96668E-05	2.95033E-05	8.63744E-05	0.000212376	9.39681E-05	0.000100168	2.80013E-05	8.63744E-05	0.000220313	6493
6494	9.72718E-05	0.000104087	2.94699E-05	9.08705E-05	0.000206786	9.84675E-05	0.000105053	2.8401E-05	9.08705E-05	0.000214131	6494
6495	0.000102968	0.00011028	3.02136E-05	9.6413E-05	0.000202815	0.000104412	0.000111463	2.9393E-05	9.6413E-05	0.000207696	6495
6496	0.000111315	0.000119276	3.21164E-05	0.000103458	0.00019138	0.000112573	0.000120217	3.12454E-05	0.000103458	0.000195024	6496
6497	0.000118733	0.000127224	3.42533E-05	0.000110979	0.000183338	0.000120357	0.000128527	3.34352E-05	0.000110979	0.000186142	6497
6498	0.000122421	0.000130823	3.88231E-05	0.000113019	0.000177443	0.00012318	0.000131303	3.67614E-05	0.000113019	0.00017966	6498
6499	0.000126325	0.00013439	4.60862E-05	0.00011233	0.000160013	0.000124689	0.000132505	4.1536E-05	0.00011233	0.000164454	6499
6500	0.000121646	0.000128975	4.87251E-05	0.000106536	0.000143829	0.000118986	0.000126142	4.28529E-05	0.000106536	0.000150439	6500
6501	0.000114081	0.000120828	4.69566E-05	9.67314E-05	0.000129717	0.00011005	0.000116563	4.07576E-05	9.67314E-05	0.000136862	6501
6502	0.000102581	0.000108722	4.14872E-05	8.44616E-05	0.000119177	9.7878E-05	0.000103702	3.59122E-05	8.44616E-05	0.000127059	6502
6503	8.90286E-05	9.45048E-05	3.45446E-05	7.38467E-05	0.000115394	8.53088E-05	9.04827E-05	3.02634E-05	7.38467E-05	0.000122898	6503
6504	7.90523E-05	8.42785E-05	2.70559E-05	6.69323E-05	0.000113506	7.66526E-05	8.15505E-05	2.45438E-05	6.69323E-05	0.00012084	6504
6505	6.96778E-05	7.46695E-05	2.00147E-05	6.03594E-05	0.000114411	6.84848E-05	7.31217E-05	1.91529E-05	6.03594E-05	0.000121857	6505
6506	6.63577E-05	7.13174E-05	1.7013E-05	5.8643E-05	0.000117126	6.59086E-05	7.05071E-05	1.69837E-05	5.8643E-05	0.000124883	6506
6507	6.57348E-05	7.07345E-05	1.59922E-05	5.88628E-05	0.000125369	6.57062E-05	7.03462E-05	1.63409E-05	5.88628E-05	0.000134055	6507
6508	6.8753E-05	7.40159E-05	1.63913E-05	6.26928E-05	0.000136751	6.92584E-05	7.41678E-05	1.7027E-05	6.26928E-05	0.000146686	6508
6509	7.56742E-05	8.1418E-05	1.8528E-05	6.9089E-05	0.000151099	7.62301E-05	8.16033E-05	1.90644E-05	6.9089E-05	0.000162577	6509
6510	8.22955E-05	8.84193E-05	2.13691E-05	7.46155E-05	0.000159016	8.25687E-05	8.83101E-05	2.14857E-05	7.46155E-05	0.000171514	6510
6511	8.3608E-05	8.95397E-05	2.45923E-05	7.67526E-05	0.000212227	8.40831E-05	8.9744E-05	2.3856E-05	7.67526E-05	0.000218159	6511
6512	8.12805E-05	8.68521E-05	2.58474E-05	7.66101E-05	0.000216476	8.24875E-05	8.79159E-05	2.47347E-05	7.66101E-05	0.000222958	6512
6513	8.19237E-05	8.74778E-05	2.66649E-05	7.68996E-05	0.000218831	8.29483E-05	8.83651E-05	2.5318E-05	7.68996E-05	0.000225491	6513
6514	8.61202E-05	9.19354E-05	2.82634E-05	8.03382E-05	0.000219115	8.6953E-05	9.26168E-05	2.66952E-05	8.03382E-05	0.000225762	6514
6515	8.94177E-05	9.54374E-05	2.95266E-05	8.30001E-05	0.000220316	9.0081E-05	9.59373E-05	2.77755E-05	8.30001E-05	0.000227082	6515
6516	9.0179E-05	9.63221E-05	2.90603E-05	8.34922E-05	0.000214589	9.08089E-05	9.67636E-05	2.74555E-05	8.34922E-05	0.00022277	6516
6517	9.32587E-05	9.96668E-05	2.95033E-05	8.63744E-05	0.000212376	9.39681E-05	0.000100168	2.80013E-05	8.63744E-05	0.000220313	6517
6518	9.72718E-05	0.000104087	2.94699E-05	9.08705E-05	0.000206786	9.84675E-05	0.000105053	2.8401E-05	9.08705E-05	0.000214131	6518
6519	0.000102968	0.00011028	3.02136E-05	9.6413E-05	0.000202815	0.000104412	0.000111463	2.9393E-05	9.6413E-05	0.000207696	6519
6520	0.000111315	0.000119276	3.21164E-05	0.000103458	0.00019138	0.000112573	0.000120217	3.12454E-05	0.000103458	0.000195024	6520
6521	0.000118733	0.000127224	3.42533E-05	0.000110979	0.000183338	0.000120357	0.000128527	3.34352E-05	0.000110979	0.000186142	6521
6522	0.000122421	0.000130823	3.88231E-05	0.000113019	0.000177443	0.00012318	0.000131303	3.67614E-05	0.000113019	0.00017966	6522
6523	0.000126325	0.00013439	4.60862E-05	0.00011233	0.000160013	0.000124689	0.000132505	4.1536E-05	0.00011233	0.000164454	6523
6524	0.000121646	0.000128975	4.87251E-05	0.000106536	0.000143829	0.000118986	0.000126142	4.28529E-05	0.000106536	0.000150439	6524
6525	0.000114081	0.000120828	4.69566E-05	9.67314E-05	0.000129717	0.00011005	0.000116563	4.07576E-05	9.67314E-05	0.000136862	6525
6526	0.000102581	0.000108722	4.14872E-05	8.44616E-05	0.000119177	9.7878E-05	0.000103702	3.59122E-05	8.44616E-05	0.000127059	6526
6527	8.90286E-05	9.45048E-05	3.45446E-05	7.38467E-05	0.000115394	8.53088E-05	9.04827E-05	3.02634E-05	7.38467E-05	0.000122898	6527

6528	7.90523E-05	8.42785E-05	2.70559E-05	6.69323E-05	0.000113506	7.66526E-05	8.15505E-05	2.45438E-05	6.69323E-05	0.00012084	**6528**
6529	6.96778E-05	7.46695E-05	2.00147E-05	6.03594E-05	0.000114411	6.84848E-05	7.31217E-05	1.91529E-05	6.03594E-05	0.000121857	**6529**
6530	6.63577E-05	7.13174E-05	1.7013E-05	5.8643E-05	0.000117126	6.59086E-05	7.05071E-05	1.69837E-05	5.8643E-05	0.000124883	**6530**
6531	6.57348E-05	7.07345E-05	1.59922E-05	5.88628E-05	0.000125369	6.57062E-05	7.03462E-05	1.63409E-05	5.88628E-05	0.000134055	**6531**
6532	6.8753E-05	7.40159E-05	1.63913E-05	6.26928E-05	0.000136751	6.92584E-05	7.41678E-05	1.7027E-05	6.26928E-05	0.000146686	**6532**
6533	7.56742E-05	8.1418E-05	1.8528E-05	6.9089E-05	0.000151099	7.62301E-05	8.16033E-05	1.90644E-05	6.9089E-05	0.000162577	**6533**
6534	8.22955E-05	8.84193E-05	2.13691E-05	7.46155E-05	0.000159016	8.25687E-05	8.83101E-05	2.14857E-05	7.46155E-05	0.000171514	**6534**
6535	8.3608E-05	8.95397E-05	2.45923E-05	7.67526E-05	0.000212227	8.40831E-05	8.9744E-05	2.3856E-05	7.67526E-05	0.000218159	**6535**
6536	8.12805E-05	8.68521E-05	2.58474E-05	7.66101E-05	0.000216476	8.24875E-05	8.79159E-05	2.47347E-05	7.66101E-05	0.000222958	**6536**
6537	8.19237E-05	8.74778E-05	2.66649E-05	7.68996E-05	0.000218831	8.29483E-05	8.83651E-05	2.5318E-05	7.68996E-05	0.000225491	**6537**
6538	8.61202E-05	9.19354E-05	2.82634E-05	8.03382E-05	0.000219115	8.6953E-05	9.26168E-05	2.66952E-05	8.03382E-05	0.000225762	**6538**
6539	8.94177E-05	9.54374E-05	2.95266E-05	8.30001E-05	0.000220316	9.0081E-05	9.59373E-05	2.77755E-05	8.30001E-05	0.000227082	**6539**
6540	9.0179E-05	9.63221E-05	2.90603E-05	8.34922E-05	0.000214589	9.08089E-05	9.67636E-05	2.74555E-05	8.34922E-05	0.00022277	**6540**
6541	9.32587E-05	9.96668E-05	2.95033E-05	8.63744E-05	0.000212376	9.39681E-05	0.000100168	2.80013E-05	8.63744E-05	0.000220313	**6541**
6542	9.72718E-05	0.000104087	2.94699E-05	9.08705E-05	0.000206786	9.84675E-05	0.000105053	2.8401E-05	9.08705E-05	0.000214131	**6542**
6543	0.000102968	0.00011028	3.02136E-05	9.6413E-05	0.000202815	0.000104412	0.000111463	2.9393E-05	9.6413E-05	0.000207696	**6543**
6544	0.000111315	0.000119276	3.21164E-05	0.000103458	0.00019138	0.000112573	0.000120217	3.12454E-05	0.000103458	0.000195024	**6544**
6545	0.000118733	0.000127224	3.42533E-05	0.000110979	0.000183338	0.000120357	0.000128527	3.34352E-05	0.000110979	0.000186142	**6545**
6546	0.000122421	0.000130823	3.88231E-05	0.000113019	0.000177443	0.00012318	0.000131303	3.67614E-05	0.000113019	0.00017966	**6546**
6547	0.000126325	0.00013439	4.60862E-05	0.00011233	0.000160013	0.000124689	0.000132505	4.1536E-05	0.00011233	0.000164454	**6547**
6548	0.000121646	0.000128975	4.87251E-05	0.000106536	0.000143829	0.000118986	0.000126142	4.28529E-05	0.000106536	0.000150439	**6548**
6549	0.000114081	0.000120828	4.69566E-05	9.67314E-05	0.000129717	0.00011005	0.000116563	4.07576E-05	9.67314E-05	0.000136862	**6549**
6550	0.000102581	0.000108722	4.14872E-05	8.44616E-05	0.000119177	9.7878E-05	0.000103702	3.59122E-05	8.44616E-05	0.000127059	**6550**
6551	8.90286E-05	9.45048E-05	3.45446E-05	7.38467E-05	0.000115394	8.53088E-05	9.04827E-05	3.02634E-05	7.38467E-05	0.000122898	**6551**
6552	7.90523E-05	8.42785E-05	2.70559E-05	6.69323E-05	0.000113506	7.66526E-05	8.15505E-05	2.45438E-05	6.69323E-05	0.00012084	**6552**
6553	6.96778E-05	7.46695E-05	2.00147E-05	6.03594E-05	0.000114411	6.84848E-05	7.31217E-05	1.91529E-05	6.03594E-05	0.000121857	**6553**
6554	6.63577E-05	7.13174E-05	1.7013E-05	5.8643E-05	0.000117126	6.59086E-05	7.05071E-05	1.69837E-05	5.8643E-05	0.000124883	**6554**
6555	6.57348E-05	7.07345E-05	1.59922E-05	5.88628E-05	0.000125369	6.57062E-05	7.03462E-05	1.63409E-05	5.88628E-05	0.000134055	**6555**
6556	6.8753E-05	7.40159E-05	1.63913E-05	6.26928E-05	0.000136751	6.92584E-05	7.41678E-05	1.7027E-05	6.26928E-05	0.000146686	**6556**
6557	7.56742E-05	8.1418E-05	1.8528E-05	6.9089E-05	0.000151099	7.62301E-05	8.16033E-05	1.90644E-05	6.9089E-05	0.000162577	**6557**
6558	8.22955E-05	8.84193E-05	2.13691E-05	7.46155E-05	0.000159016	8.25687E-05	8.83101E-05	2.14857E-05	7.46155E-05	0.000171514	**6558**
6559	8.3608E-05	8.95397E-05	2.45923E-05	7.67526E-05	0.000212227	8.40831E-05	8.9744E-05	2.3856E-05	7.67526E-05	0.000218159	**6559**
6560	8.12805E-05	8.68521E-05	2.58474E-05	7.66101E-05	0.000216476	8.24875E-05	8.79159E-05	2.47347E-05	7.66101E-05	0.000222958	**6560**
6561	8.19237E-05	8.74778E-05	2.66649E-05	7.68996E-05	0.000218831	8.29483E-05	8.83651E-05	2.5318E-05	7.68996E-05	0.000225491	**6561**
6562	8.61202E-05	9.19354E-05	2.82634E-05	8.03382E-05	0.000219115	8.6953E-05	9.26168E-05	2.66952E-05	8.03382E-05	0.000225762	**6562**
6563	8.94177E-05	9.54374E-05	2.95266E-05	8.30001E-05	0.000220316	9.0081E-05	9.59373E-05	2.77755E-05	8.30001E-05	0.000227082	**6563**
6564	9.0179E-05	9.63221E-05	2.90603E-05	8.34922E-05	0.000214589	9.08089E-05	9.67636E-05	2.74555E-05	8.34922E-05	0.00022277	**6564**
6565	9.32587E-05	9.96668E-05	2.95033E-05	8.63744E-05	0.000212376	9.39681E-05	0.000100168	2.80013E-05	8.63744E-05	0.000220313	**6565**
6566	9.72718E-05	0.000104087	2.94699E-05	9.08705E-05	0.000206786	9.84675E-05	0.000105053	2.8401E-05	9.08705E-05	0.000214131	**6566**
6567	0.000102968	0.00011028	3.02136E-05	9.6413E-05	0.000202815	0.000104412	0.000111463	2.9393E-05	9.6413E-05	0.000207696	**6567**
6568	0.000111315	0.000119276	3.21164E-05	0.000103458	0.00019138	0.000112573	0.000120217	3.12454E-05	0.000103458	0.000195024	**6568**
6569	0.000118733	0.000127224	3.42533E-05	0.000110979	0.000183338	0.000120357	0.000128527	3.34352E-05	0.000110979	0.000186142	**6569**
6570	0.000122421	0.000130823	3.88231E-05	0.000113019	0.000177443	0.00012318	0.000131303	3.67614E-05	0.000113019	0.00017966	**6570**
6571	0.000126325	0.00013439	4.60862E-05	0.00011233	0.000160013	0.000124689	0.000132505	4.1536E-05	0.00011233	0.000164454	**6571**
6572	0.000121646	0.000128975	4.87251E-05	0.000106536	0.000143829	0.000118986	0.000126142	4.28529E-05	0.000106536	0.000150439	**6572**
6573	0.000114081	0.000120828	4.69566E-05	9.67314E-05	0.000129717	0.00011005	0.000116563	4.07576E-05	9.67314E-05	0.000136862	**6573**
6574	0.000102581	0.000108722	4.14872E-05	8.44616E-05	0.000119177	9.7878E-05	0.000103702	3.59122E-05	8.44616E-05	0.000127059	**6574**
6575	8.90286E-05	9.45048E-05	3.45446E-05	7.38467E-05	0.000115394	8.53088E-05	9.04827E-05	3.02634E-05	7.38467E-05	0.000122898	**6575**
6576	7.90523E-05	8.42785E-05	2.70559E-05	6.69323E-05	0.000113506	7.66526E-05	8.15505E-05	2.45438E-05	6.69323E-05	0.00012084	**6576**
6577	6.61129E-05	7.07788E-05	1.96901E-05	5.8949E-05	4.56677E-05	6.56809E-05	7.0069E-05	1.89948E-05	5.8949E-05	4.44113E-05	**6577**
6578	6.42582E-05	6.90154E-05	1.69282E-05	5.85019E-05	4.64562E-05	6.45594E-05	6.90214E-05	1.70884E-05	5.85019E-05	4.52298E-05	**6578**
6579	6.5177E-05	7.00969E-05	1.62273E-05	6.04945E-05	4.84003E-05	6.60795E-05	7.07069E-05	1.68477E-05	6.04945E-05	4.72351E-05	**6579**
6580	6.9146E-05	7.44085E-05	1.67885E-05	6.51904E-05	5.1376E-05	7.05942E-05	7.55643E-05	1.77164E-05	6.51904E-05	5.02892E-05	**6580**
6581	7.64227E-05	8.21904E-05	1.90383E-05	7.22499E-05	5.51938E-05	7.80747E-05	8.35408E-05	1.99196E-05	7.22499E-05	5.41883E-05	**6581**
6582	8.3427E-05	8.96024E-05	2.19871E-05	7.83994E-05	5.59176E-05	8.49212E-05	9.07889E-05	2.24932E-05	7.83994E-05	5.48825E-05	**6582**
6583	8.63803E-05	9.25109E-05	2.5385E-05	8.14525E-05	0.000101792	8.78433E-05	9.37387E-05	2.51219E-05	8.14525E-05	9.32466E-05	**6583**
6584	7.99882E-05	8.54038E-05	2.61074E-05	7.85457E-05	0.000100634	8.25438E-05	8.79168E-05	2.53796E-05	7.85457E-05	9.2008E-05	**6584**
6585	7.61395E-05	8.11719E-05	2.60711E-05	7.41762E-05	0.000100973	7.82081E-05	8.32153E-05	2.49368E-05	7.41762E-05	9.23241E-05	**6585**
6586	7.48037E-05	7.96432E-05	2.66539E-05	7.21096E-05	0.000101236	7.64076E-05	8.12285E-05	2.51171E-05	7.21096E-05	9.25666E-05	**6586**
6587	7.37069E-05	7.83941E-05	2.70732E-05	7.0157E-05	0.000101934	7.48187E-05	7.94846E-05	2.51773E-05	7.0157E-05	9.32623E-05	**6587**
6588	7.29292E-05	7.76079E-05	2.63805E-05	6.94817E-05	9.52863E-05	7.40912E-05	7.87403E-05	2.46288E-05	6.94817E-05	8.78745E-05	**6588**
6589	7.42243E-05	7.90225E-05	2.64856E-05	7.05213E-05	9.49709E-05	7.53485E-05	8.01025E-05	2.47693E-05	7.05213E-05	8.75476E-05	**6589**
6590	7.54789E-05	8.04606E-05	2.59142E-05	7.20677E-05	9.32612E-05	7.68635E-05	8.17841E-05	2.45134E-05	7.20677E-05	8.57993E-05	**6590**
6591	7.897E-05	8.42633E-05	2.6306E-05	7.57589E-05	9.77453E-05	8.06448E-05	8.58631E-05	2.51268E-05	7.57589E-05	8.89578E-05	**6591**
6592	8.52432E-05	9.10007E-05	2.79607E-05	8.15994E-05	9.4621E-05	8.70058E-05	9.26669E-05	2.67772E-05	8.15994E-05	8.57625E-05	**6592**
6593	9.29287E-05	9.92622E-05	2.99151E-05	8.78869E-05	9.21692E-05	9.44135E-05	0.0001006	2.85941E-05	8.78869E-05	8.32697E-05	**6593**
6594	0.000100549	0.000107133	3.505E-05	9.28242E-05	9.07331E-05	0.000100917	0.00010735	3.24794E-05	9.28242E-05	8.18169E-05	**6594**
6595	0.000106967	0.000113404	4.29209E-05	9.55837E-05	7.54491E-05	0.00010548	0.000111816	3.80699E-05	9.55837E-05	6.90536E-05	**6595**
6596	0.000105829	0.000111831	4.61135E-05	9.26898E-05	6.21708E-05	0.000103218	0.000109163	3.99738E-05	9.26898E-05	5.83783E-05	**6596**
6597	9.99095E-05	0.000105439	4.48919E-05	8.60059E-05	5.32273E-05	9.66594E-05	0.000102121	3.85512E-05	8.60059E-05	5.06693E-05	**6597**
6598	9.41928E-05	9.96086E-05	4.031E-05	7.84651E-05	4.6845E-05	9.01064E-05	9.53074E-05	3.47718E-05	7.84651E-05	4.56028E-05	**6598**
6599	8.39488E-05	8.89758E-05	3.39344E-05	7.08807E-05	4.57652E-05	8.08941E-05	8.57E-05	2.97637E-05	7.08807E-05	4.45098E-05	**6599**
6600	7.61958E-05	8.11526E-05	2.68796E-05	6.63454E-05	4.51943E-05	7.4644E-05	7.93504E-05	2.4573E-05	6.63454E-05	4.39379E-05	**6600**
6601	6.61129E-05	7.07788E-05	1.96901E-05	5.8949E-05	4.56677E-05	6.56809E-05	7.0069E-05	1.89948E-05	5.8949E-05	4.44113E-05	**6601**
6602	6.42582E-05	6.90154E-05	1.69282E-05	5.85019E-05	4.64562E-05	6.45594E-05	6.90214E-05	1.70884E-05	5.85019E-05	4.52298E-05	**6602**
6603	6.5177E-05	7.00969E-05	1.62273E-05	6.04945E-05	4.84003E-05	6.60795E-05	7.07069E-05	1.68477E-05	6.04945E-05	4.72351E-05	**6603**

6604	6.9146E-05	7.44085E-05	1.67885E-05	6.51904E-05	5.1376E-05	7.05942E-05	7.55643E-05	1.77164E-05	6.51904E-05	5.02892E-05	**6604**
6605	7.64227E-05	8.21904E-05	1.90383E-05	7.22499E-05	5.51938E-05	7.80747E-05	8.35408E-05	1.99196E-05	7.22499E-05	5.41883E-05	**6605**
6606	8.3427E-05	8.96024E-05	2.19871E-05	7.83994E-05	5.59176E-05	8.49212E-05	9.07889E-05	2.24932E-05	7.83994E-05	5.48825E-05	**6606**
6607	8.63803E-05	9.25109E-05	2.5385E-05	8.14525E-05	0.000101792	8.78433E-05	9.37387E-05	2.51219E-05	8.14525E-05	9.32466E-05	**6607**
6608	7.99882E-05	8.54038E-05	2.61074E-05	7.85457E-05	0.000100634	8.25438E-05	8.79168E-05	2.53796E-05	7.85457E-05	9.2008E-05	**6608**
6609	7.61395E-05	8.11719E-05	2.60711E-05	7.41762E-05	0.000100973	7.82081E-05	8.32153E-05	2.49368E-05	7.41762E-05	9.23241E-05	**6609**
6610	7.48037E-05	7.96432E-05	2.66539E-05	7.21096E-05	0.000101236	7.64076E-05	8.12285E-05	2.51171E-05	7.21096E-05	9.25666E-05	**6610**
6611	7.37069E-05	7.83941E-05	2.70732E-05	7.0157E-05	0.000101934	7.48187E-05	7.94846E-05	2.51773E-05	7.0157E-05	9.32623E-05	**6611**
6612	7.29292E-05	7.76079E-05	2.63805E-05	6.94817E-05	9.52863E-05	7.40912E-05	7.87403E-05	2.46288E-05	6.94817E-05	8.78745E-05	**6612**
6613	7.42243E-05	7.90225E-05	2.64856E-05	7.05213E-05	9.49709E-05	7.53485E-05	8.01025E-05	2.47693E-05	7.05213E-05	8.75476E-05	**6613**
6614	7.54789E-05	8.04606E-05	2.59142E-05	7.20677E-05	9.32612E-05	7.68635E-05	8.17841E-05	2.45134E-05	7.20677E-05	8.57993E-05	**6614**
6615	7.897E-05	8.42633E-05	2.6306E-05	7.57589E-05	9.77453E-05	8.06448E-05	8.58631E-05	2.51268E-05	7.57589E-05	8.89578E-05	**6615**
6616	8.52432E-05	9.10007E-05	2.79607E-05	8.15994E-05	9.4621E-05	8.70058E-05	9.26669E-05	2.67772E-05	8.15994E-05	8.57625E-05	**6616**
6617	9.29287E-05	9.92622E-05	2.99151E-05	8.78869E-05	9.21692E-05	9.44135E-05	0.0001006	2.85941E-05	8.78869E-05	8.32697E-05	**6617**
6618	0.000100549	0.000107133	3.505E-05	9.28242E-05	9.07331E-05	0.000100917	0.00010735	3.24794E-05	9.28242E-05	8.18169E-05	**6618**
6619	0.000106967	0.000113404	4.29209E-05	9.55837E-05	7.54491E-05	0.00010548	0.000111816	3.80699E-05	9.55837E-05	6.90536E-05	**6619**
6620	0.000105829	0.000111831	4.61135E-05	9.26898E-05	6.21708E-05	0.000103218	0.000109163	3.99738E-05	9.26898E-05	5.83783E-05	**6620**
6621	9.99095E-05	0.000105439	4.48919E-05	8.60059E-05	5.32273E-05	9.66594E-05	0.000102121	3.85512E-05	8.60059E-05	5.06693E-05	**6621**
6622	9.41928E-05	9.96086E-05	4.031E-05	7.84651E-05	4.6845E-05	9.01064E-05	9.53074E-05	3.47718E-05	7.84651E-05	4.56028E-05	**6622**
6623	8.39488E-05	8.89758E-05	3.39344E-05	7.08807E-05	4.57652E-05	8.08941E-05	8.57E-05	2.97637E-05	7.08807E-05	4.45098E-05	**6623**
6624	7.61958E-05	8.11526E-05	2.68796E-05	6.63454E-05	4.51943E-05	7.4644E-05	7.93504E-05	2.4573E-05	6.63454E-05	4.39379E-05	**6624**
6625	6.62328E-05	7.09091E-05	1.97072E-05	5.90367E-05	4.54031E-05	6.57928E-05	7.01899E-05	1.90117E-05	5.90367E-05	4.41496E-05	**6625**
6626	6.42515E-05	6.90085E-05	1.69239E-05	5.84752E-05	4.61466E-05	6.45437E-05	6.90048E-05	1.70812E-05	5.84752E-05	4.49225E-05	**6626**
6627	6.52251E-05	7.01487E-05	1.62397E-05	6.05655E-05	4.8087E-05	6.61402E-05	7.07717E-05	1.68648E-05	6.05655E-05	4.69236E-05	**6627**
6628	6.91642E-05	7.44277E-05	1.67968E-05	6.52401E-05	5.10029E-05	7.06272E-05	7.55992E-05	1.77294E-05	6.52401E-05	4.99151E-05	**6628**
6629	7.64803E-05	8.22514E-05	1.90619E-05	7.23915E-05	5.48268E-05	7.81721E-05	8.36439E-05	1.99562E-05	7.23915E-05	5.38196E-05	**6629**
6630	8.34695E-05	8.96476E-05	2.20019E-05	7.84875E-05	5.55435E-05	8.49858E-05	9.08576E-05	2.25155E-05	7.84875E-05	5.45056E-05	**6630**
6631	8.47545E-05	9.07304E-05	2.52994E-05	8.11114E-05	0.000101517	8.66969E-05	9.24933E-05	2.50275E-05	8.11114E-05	9.29674E-05	**6631**
6632	7.944E-05	8.48119E-05	2.59932E-05	7.79124E-05	0.000100417	8.193E-05	8.72589E-05	2.52358E-05	7.79124E-05	9.17867E-05	**6632**
6633	7.50131E-05	7.99564E-05	2.58312E-05	7.28409E-05	0.000100906	7.69322E-05	8.18481E-05	2.46315E-05	7.28409E-05	9.22535E-05	**6633**
6634	7.36148E-05	7.83602E-05	2.64011E-05	7.07025E-05	0.000101242	7.50618E-05	7.97865E-05	2.47955E-05	7.07025E-05	9.25672E-05	**6634**
6635	7.26284E-05	7.72302E-05	2.68436E-05	6.88795E-05	0.000102015	7.35974E-05	7.8176E-05	2.48853E-05	6.88795E-05	9.33363E-05	**6635**
6636	7.19985E-05	7.6602E-05	2.61981E-05	6.84809E-05	9.53494E-05	7.30819E-05	7.76571E-05	2.4406E-05	6.84809E-05	8.79301E-05	**6636**
6637	7.34548E-05	7.81902E-05	2.63412E-05	6.97356E-05	9.50353E-05	7.45323E-05	7.92258E-05	2.45971E-05	6.97356E-05	8.76031E-05	**6637**
6638	7.48077E-05	7.97348E-05	2.57864E-05	7.13702E-05	9.33751E-05	7.61463E-05	8.10139E-05	2.43597E-05	7.13702E-05	8.59058E-05	**6638**
6639	7.81124E-05	8.33362E-05	2.614E-05	7.48499E-05	9.79042E-05	7.97205E-05	8.48709E-05	2.49253E-05	7.48499E-05	8.91115E-05	**6639**
6640	8.43646E-05	9.00511E-05	2.77884E-05	8.06537E-05	9.47903E-05	8.60525E-05	9.16438E-05	2.65666E-05	8.06537E-05	8.59281E-05	**6640**
6641	9.22458E-05	9.8524E-05	2.97828E-05	8.71623E-05	9.23225E-05	9.36771E-05	9.98096E-05	2.84334E-05	8.71623E-05	8.34197E-05	**6641**
6642	9.99717E-05	0.000106508	3.49354E-05	9.21943E-05	9.08702E-05	0.000100287	0.000106674	3.23385E-05	9.21943E-05	8.19513E-05	**6642**
6643	0.000106619	0.000113028	4.28477E-05	9.51769E-05	7.55385E-05	0.000105088	0.000111396	3.79773E-05	9.51769E-05	6.91402E-05	**6643**
6644	0.000105298	0.000111258	4.60062E-05	9.20979E-05	6.22759E-05	0.000102634	0.000108536	3.98406E-05	9.20979E-05	5.84809E-05	**6644**
6645	0.000100853	0.000106484	4.48375E-05	8.55728E-05	5.33783E-05	9.70484E-05	0.000102554	3.84707E-05	8.55728E-05	5.0818E-05	**6645**
6646	9.36357E-05	9.90074E-05	4.01924E-05	7.78109E-05	4.69911E-05	8.94781E-05	9.46341E-05	3.46226E-05	7.78109E-05	4.57459E-05	**6646**
6647	8.33384E-05	8.83165E-05	3.38109E-05	7.01991E-05	4.59145E-05	8.02211E-05	8.49782E-05	2.96103E-05	7.01991E-05	4.4656E-05	**6647**
6648	7.57257E-05	8.06449E-05	2.67831E-05	6.58117E-05	4.54191E-05	7.41218E-05	7.87903E-05	2.44524E-05	6.58117E-05	4.41589E-05	**6648**
6649	6.62328E-05	7.09091E-05	1.97072E-05	5.90367E-05	4.54031E-05	6.57928E-05	7.01899E-05	1.90117E-05	5.90367E-05	4.41496E-05	**6649**
6650	6.42515E-05	6.90085E-05	1.69239E-05	5.84752E-05	4.61466E-05	6.45437E-05	6.90048E-05	1.70812E-05	5.84752E-05	4.49225E-05	**6650**
6651	6.52251E-05	7.01487E-05	1.62397E-05	6.05655E-05	4.8087E-05	6.61402E-05	7.07717E-05	1.68648E-05	6.05655E-05	4.69236E-05	**6651**
6652	6.91642E-05	7.44277E-05	1.67968E-05	6.52401E-05	5.10029E-05	7.06272E-05	7.55992E-05	1.77294E-05	6.52401E-05	4.99151E-05	**6652**
6653	7.64803E-05	8.22514E-05	1.90619E-05	7.23915E-05	5.48268E-05	7.81721E-05	8.36439E-05	1.99562E-05	7.23915E-05	5.38196E-05	**6653**
6654	8.34695E-05	8.96476E-05	2.20019E-05	7.84875E-05	5.55435E-05	8.49858E-05	9.08576E-05	2.25155E-05	7.84875E-05	5.45056E-05	**6654**
6655	8.47545E-05	9.07304E-05	2.52994E-05	8.11114E-05	0.000101517	8.66969E-05	9.24933E-05	2.50275E-05	8.11114E-05	9.29674E-05	**6655**
6656	7.944E-05	8.48119E-05	2.59932E-05	7.79124E-05	0.000100417	8.193E-05	8.72589E-05	2.52358E-05	7.79124E-05	9.17867E-05	**6656**
6657	7.50131E-05	7.99564E-05	2.58312E-05	7.28409E-05	0.000100906	7.69322E-05	8.18481E-05	2.46315E-05	7.28409E-05	9.22535E-05	**6657**
6658	7.36148E-05	7.83602E-05	2.64011E-05	7.07025E-05	0.000101242	7.50618E-05	7.97865E-05	2.47955E-05	7.07025E-05	9.25672E-05	**6658**
6659	7.26284E-05	7.72302E-05	2.68436E-05	6.88795E-05	0.000102015	7.35974E-05	7.8176E-05	2.48853E-05	6.88795E-05	9.33363E-05	**6659**
6660	7.19985E-05	7.6602E-05	2.61981E-05	6.84809E-05	9.53494E-05	7.30819E-05	7.76571E-05	2.4406E-05	6.84809E-05	8.79301E-05	**6660**
6661	7.34548E-05	7.81902E-05	2.63412E-05	6.97356E-05	9.50353E-05	7.45323E-05	7.92258E-05	2.45971E-05	6.97356E-05	8.76031E-05	**6661**
6662	7.48077E-05	7.97348E-05	2.57864E-05	7.13702E-05	9.33751E-05	7.61463E-05	8.10139E-05	2.43597E-05	7.13702E-05	8.59058E-05	**6662**
6663	7.81124E-05	8.33362E-05	2.614E-05	7.48499E-05	9.79042E-05	7.97205E-05	8.48709E-05	2.49253E-05	7.48499E-05	8.91115E-05	**6663**
6664	8.43646E-05	9.00511E-05	2.77884E-05	8.06537E-05	9.47903E-05	8.60525E-05	9.16438E-05	2.65666E-05	8.06537E-05	8.59281E-05	**6664**
6665	9.22458E-05	9.8524E-05	2.97828E-05	8.71623E-05	9.23225E-05	9.36771E-05	9.98096E-05	2.84334E-05	8.71623E-05	8.34197E-05	**6665**
6666	9.99717E-05	0.000106508	3.49354E-05	9.21943E-05	9.08702E-05	0.000100287	0.000106674	3.23385E-05	9.21943E-05	8.19513E-05	**6666**
6667	0.000106619	0.000113028	4.28477E-05	9.51769E-05	7.55385E-05	0.000105088	0.000111396	3.79773E-05	9.51769E-05	6.91402E-05	**6667**
6668	0.000105298	0.000111258	4.60062E-05	9.20979E-05	6.22759E-05	0.000102634	0.000108536	3.98406E-05	9.20979E-05	5.84809E-05	**6668**
6669	0.000100853	0.000106484	4.48375E-05	8.55728E-05	5.33783E-05	9.70484E-05	0.000102554	3.84707E-05	8.55728E-05	5.0818E-05	**6669**
6670	9.36357E-05	9.90074E-05	4.01924E-05	7.78109E-05	4.69911E-05	8.94781E-05	9.46341E-05	3.46226E-05	7.78109E-05	4.57459E-05	**6670**
6671	8.33384E-05	8.83165E-05	3.38109E-05	7.01991E-05	4.59145E-05	8.02211E-05	8.49782E-05	2.96103E-05	7.01991E-05	4.4656E-05	**6671**
6672	7.57257E-05	8.06449E-05	2.67831E-05	6.58117E-05	4.54191E-05	7.41218E-05	7.87903E-05	2.44524E-05	6.58117E-05	4.41589E-05	**6672**
6673	6.62328E-05	7.09091E-05	1.97072E-05	5.90367E-05	4.54031E-05	6.57928E-05	7.01899E-05	1.90117E-05	5.90367E-05	4.41496E-05	**6673**
6674	6.42515E-05	6.90085E-05	1.69239E-05	5.84752E-05	4.61466E-05	6.45437E-05	6.90048E-05	1.70812E-05	5.84752E-05	4.49225E-05	**6674**
6675	6.52251E-05	7.01487E-05	1.62397E-05	6.05655E-05	4.8087E-05	6.61402E-05	7.07717E-05	1.68648E-05	6.05655E-05	4.69236E-05	**6675**
6676	6.91642E-05	7.44277E-05	1.67968E-05	6.52401E-05	5.10029E-05	7.06272E-05	7.55992E-05	1.77294E-05	6.52401E-05	4.99151E-05	**6676**
6677	7.64803E-05	8.22514E-05	1.90619E-05	7.23915E-05	5.48268E-05	7.81721E-05	8.36439E-05	1.99562E-05	7.23915E-05	5.38196E-05	**6677**
6678	8.34695E-05	8.96476E-05	2.20019E-05	7.84875E-05	5.55435E-05	8.49858E-05	9.08576E-05	2.25155E-05	7.84875E-05	5.45056E-05	**6678**
6679	8.47545E-05	9.07304E-05	2.52994E-05	8.11114E-05	0.000101517	8.66969E-05	9.24933E-05	2.50275E-05	8.11114E-05	9.29674E-05	**6679**

6680	7.944E-05	8.48119E-05	2.59932E-05	7.79124E-05	0.000100417	8.193E-05	8.72589E-05	2.52358E-05	7.79124E-05	9.17867E-05	**6680**
6681	7.50131E-05	7.99564E-05	2.58312E-05	7.28409E-05	0.000100906	7.69322E-05	8.18481E-05	2.46315E-05	7.28409E-05	9.22535E-05	**6681**
6682	7.36148E-05	7.83602E-05	2.64011E-05	7.07025E-05	0.000101242	7.50618E-05	7.97865E-05	2.47955E-05	7.07025E-05	9.25672E-05	**6682**
6683	7.26284E-05	7.72302E-05	2.68436E-05	6.88795E-05	0.000102015	7.35974E-05	7.8176E-05	2.48853E-05	6.88795E-05	9.33363E-05	**6683**
6684	7.19985E-05	7.6602E-05	2.61981E-05	6.84809E-05	9.53494E-05	7.30819E-05	7.76571E-05	2.4406E-05	6.84809E-05	8.79301E-05	**6684**
6685	7.34548E-05	7.81902E-05	2.63412E-05	6.97356E-05	9.50353E-05	7.45323E-05	7.92258E-05	2.45971E-05	6.97356E-05	8.76031E-05	**6685**
6686	7.48077E-05	7.97348E-05	2.57864E-05	7.13702E-05	9.33751E-05	7.61463E-05	8.10139E-05	2.43597E-05	7.13702E-05	8.59058E-05	**6686**
6687	7.81124E-05	8.33362E-05	2.614E-05	7.48499E-05	9.79042E-05	7.97205E-05	8.48709E-05	2.49253E-05	7.48499E-05	8.91115E-05	**6687**
6688	8.43646E-05	9.00511E-05	2.77884E-05	8.06537E-05	9.47903E-05	8.60525E-05	9.16438E-05	2.65666E-05	8.06537E-05	8.59281E-05	**6688**
6689	9.22458E-05	9.8524E-05	2.97828E-05	8.71623E-05	9.23225E-05	9.36771E-05	9.98096E-05	2.84334E-05	8.71623E-05	8.34197E-05	**6689**
6690	9.99717E-05	0.000106508	3.49354E-05	9.21943E-05	9.08702E-05	0.000100287	0.000106674	3.23385E-05	9.21943E-05	8.19513E-05	**6690**
6691	0.000106619	0.000113028	4.28477E-05	9.51769E-05	7.55385E-05	0.000105088	0.000111396	3.79773E-05	9.51769E-05	6.91402E-05	**6691**
6692	0.000105298	0.000111258	4.60062E-05	9.20979E-05	6.22759E-05	0.000102634	0.000108536	3.98406E-05	9.20979E-05	5.84809E-05	**6692**
6693	0.000100853	0.000106484	4.48375E-05	8.55728E-05	5.33783E-05	9.70484E-05	0.000102554	3.84707E-05	8.55728E-05	5.0818E-05	**6693**
6694	9.36357E-05	9.90074E-05	4.01924E-05	7.78109E-05	4.69911E-05	8.94781E-05	9.46341E-05	3.46226E-05	7.78109E-05	4.57459E-05	**6694**
6695	8.33384E-05	8.83165E-05	3.38109E-05	7.01991E-05	4.59145E-05	8.02211E-05	8.49782E-05	2.96103E-05	7.01991E-05	4.4656E-05	**6695**
6696	7.57257E-05	8.06449E-05	2.67831E-05	6.58117E-05	4.54191E-05	7.41218E-05	7.87903E-05	2.44524E-05	6.58117E-05	4.41589E-05	**6696**
6697	6.62328E-05	7.09091E-05	1.97072E-05	5.90367E-05	4.54031E-05	6.57928E-05	7.01899E-05	1.90117E-05	5.90367E-05	4.41496E-05	**6697**
6698	6.42515E-05	6.90085E-05	1.69239E-05	5.84752E-05	4.61466E-05	6.45437E-05	6.90048E-05	1.70812E-05	5.84752E-05	4.49225E-05	**6698**
6699	6.52251E-05	7.01487E-05	1.62397E-05	6.05655E-05	4.8087E-05	6.61402E-05	7.07717E-05	1.68648E-05	6.05655E-05	4.69236E-05	**6699**
6700	6.91642E-05	7.44277E-05	1.67968E-05	6.52401E-05	5.10029E-05	7.06272E-05	7.55992E-05	1.77294E-05	6.52401E-05	4.99151E-05	**6700**
6701	7.64803E-05	8.22514E-05	1.90619E-05	7.23915E-05	5.48268E-05	7.81721E-05	8.36439E-05	1.99562E-05	7.23915E-05	5.38196E-05	**6701**
6702	8.34695E-05	8.96476E-05	2.20019E-05	7.84875E-05	5.55435E-05	8.49858E-05	9.08576E-05	2.25155E-05	7.84875E-05	5.45056E-05	**6702**
6703	8.47545E-05	9.07304E-05	2.52994E-05	8.11114E-05	0.000101517	8.66969E-05	9.24933E-05	2.50275E-05	8.11114E-05	9.29674E-05	**6703**
6704	7.944E-05	8.48119E-05	2.59932E-05	7.79124E-05	0.000100417	8.193E-05	8.72589E-05	2.52358E-05	7.79124E-05	9.17867E-05	**6704**
6705	7.50131E-05	7.99564E-05	2.58312E-05	7.28409E-05	0.000100906	7.69322E-05	8.18481E-05	2.46315E-05	7.28409E-05	9.22535E-05	**6705**
6706	7.36148E-05	7.83602E-05	2.64011E-05	7.07025E-05	0.000101242	7.50618E-05	7.97865E-05	2.47955E-05	7.07025E-05	9.25672E-05	**6706**
6707	7.26284E-05	7.72302E-05	2.68436E-05	6.88795E-05	0.000102015	7.35974E-05	7.8176E-05	2.48853E-05	6.88795E-05	9.33363E-05	**6707**
6708	7.19985E-05	7.6602E-05	2.61981E-05	6.84809E-05	9.53494E-05	7.30819E-05	7.76571E-05	2.4406E-05	6.84809E-05	8.79301E-05	**6708**
6709	7.34548E-05	7.81902E-05	2.63412E-05	6.97356E-05	9.50353E-05	7.45323E-05	7.92258E-05	2.45971E-05	6.97356E-05	8.76031E-05	**6709**
6710	7.48077E-05	7.97348E-05	2.57864E-05	7.13702E-05	9.33751E-05	7.61463E-05	8.10139E-05	2.43597E-05	7.13702E-05	8.59058E-05	**6710**
6711	7.81124E-05	8.33362E-05	2.614E-05	7.48499E-05	9.79042E-05	7.97205E-05	8.48709E-05	2.49253E-05	7.48499E-05	8.91115E-05	**6711**
6712	8.43646E-05	9.00511E-05	2.77884E-05	8.06537E-05	9.47903E-05	8.60525E-05	9.16438E-05	2.65666E-05	8.06537E-05	8.59281E-05	**6712**
6713	9.22458E-05	9.8524E-05	2.97828E-05	8.71623E-05	9.23225E-05	9.36771E-05	9.98096E-05	2.84334E-05	8.71623E-05	8.34197E-05	**6713**
6714	9.99717E-05	0.000106508	3.49354E-05	9.21943E-05	9.08702E-05	0.000100287	0.000106674	3.23385E-05	9.21943E-05	8.19513E-05	**6714**
6715	0.000106619	0.000113028	4.28477E-05	9.51769E-05	7.55385E-05	0.000105088	0.000111396	3.79773E-05	9.51769E-05	6.91402E-05	**6715**
6716	0.000105298	0.000111258	4.60062E-05	9.20979E-05	6.22759E-05	0.000102634	0.000108536	3.98406E-05	9.20979E-05	5.84809E-05	**6716**
6717	0.000100853	0.000106484	4.48375E-05	8.55728E-05	5.33783E-05	9.70484E-05	0.000102554	3.84707E-05	8.55728E-05	5.0818E-05	**6717**
6718	9.36357E-05	9.90074E-05	4.01924E-05	7.78109E-05	4.69911E-05	8.94781E-05	9.46341E-05	3.46226E-05	7.78109E-05	4.57459E-05	**6718**
6719	8.33384E-05	8.83165E-05	3.38109E-05	7.01991E-05	4.59145E-05	8.02211E-05	8.49782E-05	2.96103E-05	7.01991E-05	4.4656E-05	**6719**
6720	7.57257E-05	8.06449E-05	2.67831E-05	6.58117E-05	4.54191E-05	7.41218E-05	7.87903E-05	2.44524E-05	6.58117E-05	4.41589E-05	**6720**
6721	6.62328E-05	7.09091E-05	1.97072E-05	5.90367E-05	4.54031E-05	6.57928E-05	7.01899E-05	1.90117E-05	5.90367E-05	4.41496E-05	**6721**
6722	6.42515E-05	6.90085E-05	1.69239E-05	5.84752E-05	4.61466E-05	6.45437E-05	6.90048E-05	1.70812E-05	5.84752E-05	4.49225E-05	**6722**
6723	6.52251E-05	7.01487E-05	1.62397E-05	6.05655E-05	4.8087E-05	6.61402E-05	7.07717E-05	1.68648E-05	6.05655E-05	4.69236E-05	**6723**
6724	6.91642E-05	7.44277E-05	1.67968E-05	6.52401E-05	5.10029E-05	7.06272E-05	7.55992E-05	1.77294E-05	6.52401E-05	4.99151E-05	**6724**
6725	7.64803E-05	8.22514E-05	1.90619E-05	7.23915E-05	5.48268E-05	7.81721E-05	8.36439E-05	1.99562E-05	7.23915E-05	5.38196E-05	**6725**
6726	8.34695E-05	8.96476E-05	2.20019E-05	7.84875E-05	5.55435E-05	8.49858E-05	9.08576E-05	2.25155E-05	7.84875E-05	5.45056E-05	**6726**
6727	8.47545E-05	9.07304E-05	2.52994E-05	8.11114E-05	0.000101517	8.66969E-05	9.24933E-05	2.50275E-05	8.11114E-05	9.29674E-05	**6727**
6728	7.944E-05	8.48119E-05	2.59932E-05	7.79124E-05	0.000100417	8.193E-05	8.72589E-05	2.52358E-05	7.79124E-05	9.17867E-05	**6728**
6729	7.50131E-05	7.99564E-05	2.58312E-05	7.28409E-05	0.000100906	7.69322E-05	8.18481E-05	2.46315E-05	7.28409E-05	9.22535E-05	**6729**
6730	7.36148E-05	7.83602E-05	2.64011E-05	7.07025E-05	0.000101242	7.50618E-05	7.97865E-05	2.47955E-05	7.07025E-05	9.25672E-05	**6730**
6731	7.26284E-05	7.72302E-05	2.68436E-05	6.88795E-05	0.000102015	7.35974E-05	7.8176E-05	2.48853E-05	6.88795E-05	9.33363E-05	**6731**
6732	7.19985E-05	7.6602E-05	2.61981E-05	6.84809E-05	9.53494E-05	7.30819E-05	7.76571E-05	2.4406E-05	6.84809E-05	8.79301E-05	**6732**
6733	7.34548E-05	7.81902E-05	2.63412E-05	6.97356E-05	9.50353E-05	7.45323E-05	7.92258E-05	2.45971E-05	6.97356E-05	8.76031E-05	**6733**
6734	7.48077E-05	7.97348E-05	2.57864E-05	7.13702E-05	9.33751E-05	7.61463E-05	8.10139E-05	2.43597E-05	7.13702E-05	8.59058E-05	**6734**
6735	7.81124E-05	8.33362E-05	2.614E-05	7.48499E-05	9.79042E-05	7.97205E-05	8.48709E-05	2.49253E-05	7.48499E-05	8.91115E-05	**6735**
6736	8.43646E-05	9.00511E-05	2.77884E-05	8.06537E-05	9.47903E-05	8.60525E-05	9.16438E-05	2.65666E-05	8.06537E-05	8.59281E-05	**6736**
6737	9.22458E-05	9.8524E-05	2.97828E-05	8.71623E-05	9.23225E-05	9.36771E-05	9.98096E-05	2.84334E-05	8.71623E-05	8.34197E-05	**6737**
6738	9.99717E-05	0.000106508	3.49354E-05	9.21943E-05	9.08702E-05	0.000100287	0.000106674	3.23385E-05	9.21943E-05	8.19513E-05	**6738**
6739	0.000106619	0.000113028	4.28477E-05	9.51769E-05	7.55385E-05	0.000105088	0.000111396	3.79773E-05	9.51769E-05	6.91402E-05	**6739**
6740	0.000105298	0.000111258	4.60062E-05	9.20979E-05	6.22759E-05	0.000102634	0.000108536	3.98406E-05	9.20979E-05	5.84809E-05	**6740**
6741	0.000100853	0.000106484	4.48375E-05	8.55728E-05	5.33783E-05	9.70484E-05	0.000102554	3.84707E-05	8.55728E-05	5.0818E-05	**6741**
6742	9.36357E-05	9.90074E-05	4.01924E-05	7.78109E-05	4.69911E-05	8.94781E-05	9.46341E-05	3.46226E-05	7.78109E-05	4.57459E-05	**6742**
6743	8.33384E-05	8.83165E-05	3.38109E-05	7.01991E-05	4.59145E-05	8.02211E-05	8.49782E-05	2.96103E-05	7.01991E-05	4.4656E-05	**6743**
6744	7.57257E-05	8.06449E-05	2.67831E-05	6.58117E-05	4.54191E-05	7.41218E-05	7.87903E-05	2.44524E-05	6.58117E-05	4.41589E-05	**6744**
6745	6.61129E-05	7.07788E-05	1.96901E-05	5.8949E-05	4.56677E-05	6.56809E-05	7.0069E-05	1.89948E-05	5.8949E-05	4.44113E-05	**6745**
6746	6.42582E-05	6.90154E-05	1.69282E-05	5.85019E-05	4.64562E-05	6.45594E-05	6.90214E-05	1.70884E-05	5.85019E-05	4.52298E-05	**6746**
6747	6.5177E-05	7.00969E-05	1.62273E-05	6.04945E-05	4.84003E-05	6.60795E-05	7.07069E-05	1.68477E-05	6.04945E-05	4.72351E-05	**6747**
6748	6.9146E-05	7.44085E-05	1.67885E-05	6.51904E-05	5.1376E-05	7.05942E-05	7.55643E-05	1.77164E-05	6.51904E-05	5.02892E-05	**6748**
6749	7.64227E-05	8.21904E-05	1.90383E-05	7.22499E-05	5.51938E-05	7.80747E-05	8.35408E-05	1.99196E-05	7.22499E-05	5.41883E-05	**6749**
6750	8.3427E-05	8.96024E-05	2.19871E-05	7.83994E-05	5.59176E-05	8.49212E-05	9.07889E-05	2.24932E-05	7.83994E-05	5.48825E-05	**6750**
6751	8.63803E-05	9.25109E-05	2.5385E-05	8.14525E-05	0.000101792	8.78433E-05	9.37387E-05	2.51219E-05	8.14525E-05	9.32466E-05	**6751**
6752	7.99882E-05	8.54038E-05	2.61074E-05	7.85457E-05	0.000100634	8.25438E-05	8.79168E-05	2.53796E-05	7.85457E-05	9.2008E-05	**6752**
6753	7.61395E-05	8.11719E-05	2.60711E-05	7.41762E-05	0.000100973	7.82081E-05	8.32153E-05	2.49368E-05	7.41762E-05	9.23241E-05	**6753**
6754	7.48037E-05	7.96432E-05	2.66539E-05	7.21096E-05	0.000101236	7.64076E-05	8.12285E-05	2.51171E-05	7.21096E-05	9.25666E-05	**6754**
6755	7.37069E-05	7.83941E-05	2.70732E-05	7.0157E-05	0.000101934	7.48187E-05	7.94846E-05	2.51773E-05	7.0157E-05	9.32623E-05	**6755**

6756	7.29292E-05	7.76079E-05	2.63805E-05	6.94817E-05	9.52863E-05	7.40912E-05	7.87403E-05	2.46288E-05	6.94817E-05	8.78745E-05	**6756**
6757	7.42243E-05	7.90225E-05	2.64856E-05	7.05213E-05	9.49709E-05	7.53485E-05	8.01025E-05	2.47693E-05	7.05213E-05	8.75476E-05	**6757**
6758	7.54789E-05	8.04606E-05	2.59142E-05	7.20677E-05	9.32612E-05	7.68635E-05	8.17841E-05	2.45134E-05	7.20677E-05	8.57993E-05	**6758**
6759	7.897E-05	8.42633E-05	2.6306E-05	7.57589E-05	9.77453E-05	8.06448E-05	8.58631E-05	2.51268E-05	7.57589E-05	8.89578E-05	**6759**
6760	8.52432E-05	9.10007E-05	2.79607E-05	8.15994E-05	9.4621E-05	8.70058E-05	9.26669E-05	2.67772E-05	8.15994E-05	8.57625E-05	**6760**
6761	9.29287E-05	9.92622E-05	2.99151E-05	8.78869E-05	9.21692E-05	9.44135E-05	0.0001006	2.85941E-05	8.78869E-05	8.32697E-05	**6761**
6762	0.000100549	0.000107133	3.505E-05	9.28242E-05	9.07331E-05	0.000100917	0.00010735	3.24794E-05	9.28242E-05	8.18169E-05	**6762**
6763	0.000106967	0.000113404	4.29209E-05	9.55837E-05	7.54491E-05	0.00010548	0.000111816	3.80699E-05	9.55837E-05	6.90536E-05	**6763**
6764	0.000105829	0.000111831	4.61135E-05	9.26898E-05	6.21708E-05	0.000103218	0.000109163	3.99738E-05	9.26898E-05	5.83783E-05	**6764**
6765	9.99095E-05	0.000105439	4.48919E-05	8.60059E-05	5.32273E-05	9.66594E-05	0.000102121	3.85512E-05	8.60059E-05	5.06693E-05	**6765**
6766	9.41928E-05	9.96086E-05	4.031E-05	7.84651E-05	4.6845E-05	9.01064E-05	9.53074E-05	3.47718E-05	7.84651E-05	4.56028E-05	**6766**
6767	8.39488E-05	8.89758E-05	3.39344E-05	7.08807E-05	4.57652E-05	8.08941E-05	8.57E-05	2.97637E-05	7.08807E-05	4.45098E-05	**6767**
6768	7.61958E-05	8.11526E-05	2.68796E-05	6.63454E-05	4.51943E-05	7.4644E-05	7.93504E-05	2.4573E-05	6.63454E-05	4.39379E-05	**6768**
6769	6.61129E-05	7.07788E-05	1.96901E-05	5.8949E-05	4.56677E-05	6.56809E-05	7.0069E-05	1.89948E-05	5.8949E-05	4.44113E-05	**6769**
6770	6.42582E-05	6.90154E-05	1.69282E-05	5.85019E-05	4.64562E-05	6.45594E-05	6.90214E-05	1.70884E-05	5.85019E-05	4.52298E-05	**6770**
6771	6.5177E-05	7.00969E-05	1.62273E-05	6.04945E-05	4.84003E-05	6.60795E-05	7.07069E-05	1.68477E-05	6.04945E-05	4.72351E-05	**6771**
6772	6.9146E-05	7.44085E-05	1.67885E-05	6.51904E-05	5.1376E-05	7.05942E-05	7.55643E-05	1.77164E-05	6.51904E-05	5.02892E-05	**6772**
6773	7.64227E-05	8.21904E-05	1.90383E-05	7.22499E-05	5.51938E-05	7.80747E-05	8.35408E-05	1.99196E-05	7.22499E-05	5.41883E-05	**6773**
6774	8.3427E-05	8.96024E-05	2.19871E-05	7.83994E-05	5.59176E-05	8.49212E-05	9.07889E-05	2.24932E-05	7.83994E-05	5.48825E-05	**6774**
6775	8.63803E-05	9.25109E-05	2.5385E-05	8.14525E-05	0.000101792	8.78433E-05	9.37387E-05	2.51219E-05	8.14525E-05	9.32466E-05	**6775**
6776	7.99882E-05	8.54038E-05	2.61074E-05	7.85457E-05	0.000100634	8.25438E-05	8.79168E-05	2.53796E-05	7.85457E-05	9.2008E-05	**6776**
6777	7.61395E-05	8.11719E-05	2.60711E-05	7.41762E-05	0.000100973	7.82081E-05	8.32153E-05	2.49368E-05	7.41762E-05	9.23241E-05	**6777**
6778	7.48037E-05	7.96432E-05	2.66539E-05	7.21096E-05	0.000101236	7.64076E-05	8.12285E-05	2.51171E-05	7.21096E-05	9.25666E-05	**6778**
6779	7.37069E-05	7.83941E-05	2.70732E-05	7.0157E-05	0.000101934	7.48187E-05	7.94846E-05	2.51773E-05	7.0157E-05	9.32623E-05	**6779**
6780	7.29292E-05	7.76079E-05	2.63805E-05	6.94817E-05	9.52863E-05	7.40912E-05	7.87403E-05	2.46288E-05	6.94817E-05	8.78745E-05	**6780**
6781	7.42243E-05	7.90225E-05	2.64856E-05	7.05213E-05	9.49709E-05	7.53485E-05	8.01025E-05	2.47693E-05	7.05213E-05	8.75476E-05	**6781**
6782	7.54789E-05	8.04606E-05	2.59142E-05	7.20677E-05	9.32612E-05	7.68635E-05	8.17841E-05	2.45134E-05	7.20677E-05	8.57993E-05	**6782**
6783	7.897E-05	8.42633E-05	2.6306E-05	7.57589E-05	9.77453E-05	8.06448E-05	8.58631E-05	2.51268E-05	7.57589E-05	8.89578E-05	**6783**
6784	8.52432E-05	9.10007E-05	2.79607E-05	8.15994E-05	9.4621E-05	8.70058E-05	9.26669E-05	2.67772E-05	8.15994E-05	8.57625E-05	**6784**
6785	9.29287E-05	9.92622E-05	2.99151E-05	8.78869E-05	9.21692E-05	9.44135E-05	0.0001006	2.85941E-05	8.78869E-05	8.32697E-05	**6785**
6786	0.000100549	0.000107133	3.505E-05	9.28242E-05	9.07331E-05	0.000100917	0.00010735	3.24794E-05	9.28242E-05	8.18169E-05	**6786**
6787	0.000106967	0.000113404	4.29209E-05	9.55837E-05	7.54491E-05	0.00010548	0.000111816	3.80699E-05	9.55837E-05	6.90536E-05	**6787**
6788	0.000105829	0.000111831	4.61135E-05	9.26898E-05	6.21708E-05	0.000103218	0.000109163	3.99738E-05	9.26898E-05	5.83783E-05	**6788**
6789	9.99095E-05	0.000105439	4.48919E-05	8.60059E-05	5.32273E-05	9.66594E-05	0.000102121	3.85512E-05	8.60059E-05	5.06693E-05	**6789**
6790	9.41928E-05	9.96086E-05	4.031E-05	7.84651E-05	4.6845E-05	9.01064E-05	9.53074E-05	3.47718E-05	7.84651E-05	4.56028E-05	**6790**
6791	8.39488E-05	8.89758E-05	3.39344E-05	7.08807E-05	4.57652E-05	8.08941E-05	8.57E-05	2.97637E-05	7.08807E-05	4.45098E-05	**6791**
6792	7.61958E-05	8.11526E-05	2.68796E-05	6.63454E-05	4.51943E-05	7.4644E-05	7.93504E-05	2.4573E-05	6.63454E-05	4.39379E-05	**6792**
6793	6.62328E-05	7.09091E-05	1.97072E-05	5.90367E-05	4.54031E-05	6.57928E-05	7.01899E-05	1.90117E-05	5.90367E-05	4.41496E-05	**6793**
6794	6.42515E-05	6.90085E-05	1.69239E-05	5.84752E-05	4.61466E-05	6.45437E-05	6.90048E-05	1.70812E-05	5.84752E-05	4.49225E-05	**6794**
6795	6.52251E-05	7.01487E-05	1.62397E-05	6.05655E-05	4.8087E-05	6.61402E-05	7.07717E-05	1.68648E-05	6.05655E-05	4.69236E-05	**6795**
6796	6.91642E-05	7.44277E-05	1.67968E-05	6.52401E-05	5.10029E-05	7.06272E-05	7.55992E-05	1.77294E-05	6.52401E-05	4.99151E-05	**6796**
6797	7.64803E-05	8.22514E-05	1.90619E-05	7.23915E-05	5.48268E-05	7.81721E-05	8.36439E-05	1.99562E-05	7.23915E-05	5.38196E-05	**6797**
6798	8.34695E-05	8.96476E-05	2.20019E-05	7.84875E-05	5.55435E-05	8.49858E-05	9.08576E-05	2.25155E-05	7.84875E-05	5.45056E-05	**6798**
6799	8.47545E-05	9.07304E-05	2.52994E-05	8.11114E-05	0.000101517	8.66969E-05	9.24933E-05	2.50275E-05	8.11114E-05	9.29674E-05	**6799**
6800	7.944E-05	8.48119E-05	2.59932E-05	7.79124E-05	0.000100417	8.193E-05	8.72589E-05	2.52358E-05	7.79124E-05	9.17867E-05	**6800**
6801	7.50131E-05	7.99564E-05	2.58312E-05	7.28409E-05	0.000100906	7.69322E-05	8.18481E-05	2.46315E-05	7.28409E-05	9.22535E-05	**6801**
6802	7.36148E-05	7.83602E-05	2.64011E-05	7.07025E-05	0.000101242	7.50618E-05	7.97865E-05	2.47955E-05	7.07025E-05	9.25672E-05	**6802**
6803	7.26284E-05	7.72302E-05	2.68436E-05	6.88795E-05	0.000102015	7.35974E-05	7.8176E-05	2.48853E-05	6.88795E-05	9.33363E-05	**6803**
6804	7.19985E-05	7.6602E-05	2.61981E-05	6.84809E-05	9.53494E-05	7.30819E-05	7.76571E-05	2.4406E-05	6.84809E-05	8.79301E-05	**6804**
6805	7.34548E-05	7.81902E-05	2.63412E-05	6.97356E-05	9.50353E-05	7.45323E-05	7.92258E-05	2.45971E-05	6.97356E-05	8.76031E-05	**6805**
6806	7.48077E-05	7.97348E-05	2.57864E-05	7.13702E-05	9.33751E-05	7.61463E-05	8.10139E-05	2.43597E-05	7.13702E-05	8.59058E-05	**6806**
6807	7.81124E-05	8.33362E-05	2.614E-05	7.48499E-05	9.79042E-05	7.97205E-05	8.48709E-05	2.49253E-05	7.48499E-05	8.91115E-05	**6807**
6808	8.43646E-05	9.00511E-05	2.77884E-05	8.06537E-05	9.47903E-05	8.60525E-05	9.16438E-05	2.65666E-05	8.06537E-05	8.59281E-05	**6808**
6809	9.22458E-05	9.8524E-05	2.97828E-05	8.71623E-05	9.23225E-05	9.36771E-05	9.98096E-05	2.84334E-05	8.71623E-05	8.34197E-05	**6809**
6810	9.99717E-05	0.000106508	3.49354E-05	9.21943E-05	9.08702E-05	0.000100287	0.000106674	3.23385E-05	9.21943E-05	8.19513E-05	**6810**
6811	0.000106619	0.000113028	4.28477E-05	9.51769E-05	7.55385E-05	0.000105088	0.000111396	3.79773E-05	9.51769E-05	6.91402E-05	**6811**
6812	0.000105298	0.000111258	4.60062E-05	9.20979E-05	6.22759E-05	0.000102634	0.000108536	3.98406E-05	9.20979E-05	5.84809E-05	**6812**
6813	0.000100853	0.000106484	4.48375E-05	8.55728E-05	5.33783E-05	9.70484E-05	0.000102554	3.84707E-05	8.55728E-05	5.0818E-05	**6813**
6814	9.36357E-05	9.90074E-05	4.01924E-05	7.78109E-05	4.69911E-05	8.94781E-05	9.46341E-05	3.46226E-05	7.78109E-05	4.57459E-05	**6814**
6815	8.33384E-05	8.83165E-05	3.38109E-05	7.01991E-05	4.59145E-05	8.02211E-05	8.49782E-05	2.96103E-05	7.01991E-05	4.4656E-05	**6815**
6816	7.57257E-05	8.06449E-05	2.67831E-05	6.58117E-05	4.54191E-05	7.41218E-05	7.87903E-05	2.44524E-05	6.58117E-05	4.41589E-05	**6816**
6817	6.62328E-05	7.09091E-05	1.97072E-05	5.90367E-05	4.54031E-05	6.57928E-05	7.01899E-05	1.90117E-05	5.90367E-05	4.41496E-05	**6817**
6818	6.42515E-05	6.90085E-05	1.69239E-05	5.84752E-05	4.61466E-05	6.45437E-05	6.90048E-05	1.70812E-05	5.84752E-05	4.49225E-05	**6818**
6819	6.52251E-05	7.01487E-05	1.62397E-05	6.05655E-05	4.8087E-05	6.61402E-05	7.07717E-05	1.68648E-05	6.05655E-05	4.69236E-05	**6819**
6820	6.91642E-05	7.44277E-05	1.67968E-05	6.52401E-05	5.10029E-05	7.06272E-05	7.55992E-05	1.77294E-05	6.52401E-05	4.99151E-05	**6820**
6821	7.64803E-05	8.22514E-05	1.90619E-05	7.23915E-05	5.48268E-05	7.81721E-05	8.36439E-05	1.99562E-05	7.23915E-05	5.38196E-05	**6821**
6822	8.34695E-05	8.96476E-05	2.20019E-05	7.84875E-05	5.55435E-05	8.49858E-05	9.08576E-05	2.25155E-05	7.84875E-05	5.45056E-05	**6822**
6823	8.47545E-05	9.07304E-05	2.52994E-05	8.11114E-05	0.000101517	8.66969E-05	9.24933E-05	2.50275E-05	8.11114E-05	9.29674E-05	**6823**
6824	7.944E-05	8.48119E-05	2.59932E-05	7.79124E-05	0.000100417	8.193E-05	8.72589E-05	2.52358E-05	7.79124E-05	9.17867E-05	**6824**
6825	7.50131E-05	7.99564E-05	2.58312E-05	7.28409E-05	0.000100906	7.69322E-05	8.18481E-05	2.46315E-05	7.28409E-05	9.22535E-05	**6825**
6826	7.36148E-05	7.83602E-05	2.64011E-05	7.07025E-05	0.000101242	7.50618E-05	7.97865E-05	2.47955E-05	7.07025E-05	9.25672E-05	**6826**
6827	7.26284E-05	7.72302E-05	2.68436E-05	6.88795E-05	0.000102015	7.35974E-05	7.8176E-05	2.48853E-05	6.88795E-05	9.33363E-05	**6827**
6828	7.19985E-05	7.6602E-05	2.61981E-05	6.84809E-05	9.53494E-05	7.30819E-05	7.76571E-05	2.4406E-05	6.84809E-05	8.79301E-05	**6828**
6829	7.34548E-05	7.81902E-05	2.63412E-05	6.97356E-05	9.50353E-05	7.45323E-05	7.92258E-05	2.45971E-05	6.97356E-05	8.76031E-05	**6829**
6830	7.48077E-05	7.97348E-05	2.57864E-05	7.13702E-05	9.33751E-05	7.61463E-05	8.10139E-05	2.43597E-05	7.13702E-05	8.59058E-05	**6830**
6831	7.81124E-05	8.33362E-05	2.614E-05	7.48499E-05	9.79042E-05	7.97205E-05	8.48709E-05	2.49253E-05	7.48499E-05	8.91115E-05	**6831**

6832	8.43646E-05	9.00511E-05	2.77884E-05	8.06537E-05	9.47903E-05	8.60525E-05	9.16438E-05	2.65666E-05	8.06537E-05	8.59281E-05	**6832**
6833	9.22458E-05	9.8524E-05	2.97828E-05	8.71623E-05	9.23225E-05	9.36771E-05	9.98096E-05	2.84334E-05	8.71623E-05	8.34197E-05	**6833**
6834	9.99717E-05	0.000106508	3.49354E-05	9.21943E-05	9.08702E-05	0.000100287	0.000106674	3.23385E-05	9.21943E-05	8.19513E-05	**6834**
6835	0.000106619	0.000113028	4.28477E-05	9.51769E-05	7.55385E-05	0.000105088	0.000111396	3.79773E-05	9.51769E-05	6.91402E-05	**6835**
6836	0.000105298	0.000111258	4.60062E-05	9.20979E-05	6.22759E-05	0.000102634	0.000108536	3.98406E-05	9.20979E-05	5.84809E-05	**6836**
6837	0.000100853	0.000106484	4.48375E-05	8.55728E-05	5.33783E-05	9.70484E-05	0.000102554	3.84707E-05	8.55728E-05	5.0818E-05	**6837**
6838	9.36357E-05	9.90074E-05	4.01924E-05	7.78109E-05	4.69911E-05	8.94781E-05	9.46341E-05	3.46226E-05	7.78109E-05	4.57459E-05	**6838**
6839	8.33384E-05	8.83165E-05	3.38109E-05	7.01991E-05	4.59145E-05	8.02211E-05	8.49782E-05	2.96103E-05	7.01991E-05	4.4656E-05	**6839**
6840	7.57257E-05	8.06449E-05	2.67831E-05	6.58117E-05	4.54191E-05	7.41218E-05	7.87903E-05	2.44524E-05	6.58117E-05	4.41589E-05	**6840**
6841	6.62328E-05	7.09091E-05	1.97072E-05	5.90367E-05	4.54031E-05	6.57928E-05	7.01899E-05	1.90117E-05	5.90367E-05	4.41496E-05	**6841**
6842	6.42515E-05	6.90085E-05	1.69239E-05	5.84752E-05	4.61466E-05	6.45437E-05	6.90048E-05	1.70812E-05	5.84752E-05	4.49225E-05	**6842**
6843	6.52251E-05	7.01487E-05	1.62397E-05	6.05655E-05	4.8087E-05	6.61402E-05	7.07717E-05	1.68648E-05	6.05655E-05	4.69236E-05	**6843**
6844	6.91642E-05	7.44277E-05	1.67968E-05	6.52401E-05	5.10029E-05	7.06272E-05	7.55992E-05	1.77294E-05	6.52401E-05	4.99151E-05	**6844**
6845	7.64803E-05	8.22514E-05	1.90619E-05	7.23915E-05	5.48268E-05	7.81721E-05	8.36439E-05	1.99562E-05	7.23915E-05	5.38196E-05	**6845**
6846	8.34695E-05	8.96476E-05	2.20019E-05	7.84875E-05	5.55435E-05	8.49858E-05	9.08576E-05	2.25155E-05	7.84875E-05	5.45056E-05	**6846**
6847	8.47545E-05	9.07304E-05	2.52994E-05	8.11114E-05	0.000101517	8.66969E-05	9.24933E-05	2.50275E-05	8.11114E-05	9.29674E-05	**6847**
6848	7.944E-05	8.48119E-05	2.59932E-05	7.79124E-05	0.000100417	8.193E-05	8.72589E-05	2.52358E-05	7.79124E-05	9.17867E-05	**6848**
6849	7.50131E-05	7.99564E-05	2.58312E-05	7.28409E-05	0.000100906	7.69322E-05	8.18481E-05	2.46315E-05	7.28409E-05	9.22535E-05	**6849**
6850	7.36148E-05	7.83602E-05	2.64011E-05	7.07025E-05	0.000101242	7.50618E-05	7.97865E-05	2.47955E-05	7.07025E-05	9.25672E-05	**6850**
6851	7.26284E-05	7.72302E-05	2.68436E-05	6.88795E-05	0.000102015	7.35974E-05	7.8176E-05	2.48853E-05	6.88795E-05	9.33363E-05	**6851**
6852	7.19985E-05	7.6602E-05	2.61981E-05	6.84809E-05	9.53494E-05	7.30819E-05	7.76571E-05	2.4406E-05	6.84809E-05	8.79301E-05	**6852**
6853	7.34548E-05	7.81902E-05	2.63412E-05	6.97356E-05	9.50353E-05	7.45323E-05	7.92258E-05	2.45971E-05	6.97356E-05	8.76031E-05	**6853**
6854	7.48077E-05	7.97348E-05	2.57864E-05	7.13702E-05	9.33751E-05	7.61463E-05	8.10139E-05	2.43597E-05	7.13702E-05	8.59058E-05	**6854**
6855	7.81124E-05	8.33362E-05	2.614E-05	7.48499E-05	9.79042E-05	7.97205E-05	8.48709E-05	2.49253E-05	7.48499E-05	8.91115E-05	**6855**
6856	8.43646E-05	9.00511E-05	2.77884E-05	8.06537E-05	9.47903E-05	8.60525E-05	9.16438E-05	2.65666E-05	8.06537E-05	8.59281E-05	**6856**
6857	9.22458E-05	9.8524E-05	2.97828E-05	8.71623E-05	9.23225E-05	9.36771E-05	9.98096E-05	2.84334E-05	8.71623E-05	8.34197E-05	**6857**
6858	9.99717E-05	0.000106508	3.49354E-05	9.21943E-05	9.08702E-05	0.000100287	0.000106674	3.23385E-05	9.21943E-05	8.19513E-05	**6858**
6859	0.000106619	0.000113028	4.28477E-05	9.51769E-05	7.55385E-05	0.000105088	0.000111396	3.79773E-05	9.51769E-05	6.91402E-05	**6859**
6860	0.000105298	0.000111258	4.60062E-05	9.20979E-05	6.22759E-05	0.000102634	0.000108536	3.98406E-05	9.20979E-05	5.84809E-05	**6860**
6861	0.000100853	0.000106484	4.48375E-05	8.55728E-05	5.33783E-05	9.70484E-05	0.000102554	3.84707E-05	8.55728E-05	5.0818E-05	**6861**
6862	9.36357E-05	9.90074E-05	4.01924E-05	7.78109E-05	4.69911E-05	8.94781E-05	9.46341E-05	3.46226E-05	7.78109E-05	4.57459E-05	**6862**
6863	8.33384E-05	8.83165E-05	3.38109E-05	7.01991E-05	4.59145E-05	8.02211E-05	8.49782E-05	2.96103E-05	7.01991E-05	4.4656E-05	**6863**
6864	7.57257E-05	8.06449E-05	2.67831E-05	6.58117E-05	4.54191E-05	7.41218E-05	7.87903E-05	2.44524E-05	6.58117E-05	4.41589E-05	**6864**
6865	6.62328E-05	7.09091E-05	1.97072E-05	5.90367E-05	4.54031E-05	6.57928E-05	7.01899E-05	1.90117E-05	5.90367E-05	4.41496E-05	**6865**
6866	6.42515E-05	6.90085E-05	1.69239E-05	5.84752E-05	4.61466E-05	6.45437E-05	6.90048E-05	1.70812E-05	5.84752E-05	4.49225E-05	**6866**
6867	6.52251E-05	7.01487E-05	1.62397E-05	6.05655E-05	4.8087E-05	6.61402E-05	7.07717E-05	1.68648E-05	6.05655E-05	4.69236E-05	**6867**
6868	6.91642E-05	7.44277E-05	1.67968E-05	6.52401E-05	5.10029E-05	7.06272E-05	7.55992E-05	1.77294E-05	6.52401E-05	4.99151E-05	**6868**
6869	7.64803E-05	8.22514E-05	1.90619E-05	7.23915E-05	5.48268E-05	7.81721E-05	8.36439E-05	1.99562E-05	7.23915E-05	5.38196E-05	**6869**
6870	8.34695E-05	8.96476E-05	2.20019E-05	7.84875E-05	5.55435E-05	8.49858E-05	9.08576E-05	2.25155E-05	7.84875E-05	5.45056E-05	**6870**
6871	8.47545E-05	9.07304E-05	2.52994E-05	8.11114E-05	0.000101517	8.66969E-05	9.24933E-05	2.50275E-05	8.11114E-05	9.29674E-05	**6871**
6872	7.944E-05	8.48119E-05	2.59932E-05	7.79124E-05	0.000100417	8.193E-05	8.72589E-05	2.52358E-05	7.79124E-05	9.17867E-05	**6872**
6873	7.50131E-05	7.99564E-05	2.58312E-05	7.28409E-05	0.000100906	7.69322E-05	8.18481E-05	2.46315E-05	7.28409E-05	9.22535E-05	**6873**
6874	7.36148E-05	7.83602E-05	2.64011E-05	7.07025E-05	0.000101242	7.50618E-05	7.97865E-05	2.47955E-05	7.07025E-05	9.25672E-05	**6874**
6875	7.26284E-05	7.72302E-05	2.68436E-05	6.88795E-05	0.000102015	7.35974E-05	7.8176E-05	2.48853E-05	6.88795E-05	9.33363E-05	**6875**
6876	7.19985E-05	7.6602E-05	2.61981E-05	6.84809E-05	9.53494E-05	7.30819E-05	7.76571E-05	2.4406E-05	6.84809E-05	8.79301E-05	**6876**
6877	7.34548E-05	7.81902E-05	2.63412E-05	6.97356E-05	9.50353E-05	7.45323E-05	7.92258E-05	2.45971E-05	6.97356E-05	8.76031E-05	**6877**
6878	7.48077E-05	7.97348E-05	2.57864E-05	7.13702E-05	9.33751E-05	7.61463E-05	8.10139E-05	2.43597E-05	7.13702E-05	8.59058E-05	**6878**
6879	7.81124E-05	8.33362E-05	2.614E-05	7.48499E-05	9.79042E-05	7.97205E-05	8.48709E-05	2.49253E-05	7.48499E-05	8.91115E-05	**6879**
6880	8.43646E-05	9.00511E-05	2.77884E-05	8.06537E-05	9.47903E-05	8.60525E-05	9.16438E-05	2.65666E-05	8.06537E-05	8.59281E-05	**6880**
6881	9.22458E-05	9.8524E-05	2.97828E-05	8.71623E-05	9.23225E-05	9.36771E-05	9.98096E-05	2.84334E-05	8.71623E-05	8.34197E-05	**6881**
6882	9.99717E-05	0.000106508	3.49354E-05	9.21943E-05	9.08702E-05	0.000100287	0.000106674	3.23385E-05	9.21943E-05	8.19513E-05	**6882**
6883	0.000106619	0.000113028	4.28477E-05	9.51769E-05	7.55385E-05	0.000105088	0.000111396	3.79773E-05	9.51769E-05	6.91402E-05	**6883**
6884	0.000105298	0.000111258	4.60062E-05	9.20979E-05	6.22759E-05	0.000102634	0.000108536	3.98406E-05	9.20979E-05	5.84809E-05	**6884**
6885	0.000100853	0.000106484	4.48375E-05	8.55728E-05	5.33783E-05	9.70484E-05	0.000102554	3.84707E-05	8.55728E-05	5.0818E-05	**6885**
6886	9.36357E-05	9.90074E-05	4.01924E-05	7.78109E-05	4.69911E-05	8.94781E-05	9.46341E-05	3.46226E-05	7.78109E-05	4.57459E-05	**6886**
6887	8.33384E-05	8.83165E-05	3.38109E-05	7.01991E-05	4.59145E-05	8.02211E-05	8.49782E-05	2.96103E-05	7.01991E-05	4.4656E-05	**6887**
6888	7.57257E-05	8.06449E-05	2.67831E-05	6.58117E-05	4.54191E-05	7.41218E-05	7.87903E-05	2.44524E-05	6.58117E-05	4.41589E-05	**6888**
6889	6.62328E-05	7.09091E-05	1.97072E-05	5.90367E-05	4.54031E-05	6.57928E-05	7.01899E-05	1.90117E-05	5.90367E-05	4.41496E-05	**6889**
6890	6.42515E-05	6.90085E-05	1.69239E-05	5.84752E-05	4.61466E-05	6.45437E-05	6.90048E-05	1.70812E-05	5.84752E-05	4.49225E-05	**6890**
6891	6.52251E-05	7.01487E-05	1.62397E-05	6.05655E-05	4.8087E-05	6.61402E-05	7.07717E-05	1.68648E-05	6.05655E-05	4.69236E-05	**6891**
6892	6.91642E-05	7.44277E-05	1.67968E-05	6.52401E-05	5.10029E-05	7.06272E-05	7.55992E-05	1.77294E-05	6.52401E-05	4.99151E-05	**6892**
6893	7.64803E-05	8.22514E-05	1.90619E-05	7.23915E-05	5.48268E-05	7.81721E-05	8.36439E-05	1.99562E-05	7.23915E-05	5.38196E-05	**6893**
6894	8.34695E-05	8.96476E-05	2.20019E-05	7.84875E-05	5.55435E-05	8.49858E-05	9.08576E-05	2.25155E-05	7.84875E-05	5.45056E-05	**6894**
6895	8.47545E-05	9.07304E-05	2.52994E-05	8.11114E-05	0.000101517	8.66969E-05	9.24933E-05	2.50275E-05	8.11114E-05	9.29674E-05	**6895**
6896	7.944E-05	8.48119E-05	2.59932E-05	7.79124E-05	0.000100417	8.193E-05	8.72589E-05	2.52358E-05	7.79124E-05	9.17867E-05	**6896**
6897	7.50131E-05	7.99564E-05	2.58312E-05	7.28409E-05	0.000100906	7.69322E-05	8.18481E-05	2.46315E-05	7.28409E-05	9.22535E-05	**6897**
6898	7.36148E-05	7.83602E-05	2.64011E-05	7.07025E-05	0.000101242	7.50618E-05	7.97865E-05	2.47955E-05	7.07025E-05	9.25672E-05	**6898**
6899	7.26284E-05	7.72302E-05	2.68436E-05	6.88795E-05	0.000102015	7.35974E-05	7.8176E-05	2.48853E-05	6.88795E-05	9.33363E-05	**6899**
6900	7.19985E-05	7.6602E-05	2.61981E-05	6.84809E-05	9.53494E-05	7.30819E-05	7.76571E-05	2.4406E-05	6.84809E-05	8.79301E-05	**6900**
6901	7.34548E-05	7.81902E-05	2.63412E-05	6.97356E-05	9.50353E-05	7.45323E-05	7.92258E-05	2.45971E-05	6.97356E-05	8.76031E-05	**6901**
6902	7.48077E-05	7.97348E-05	2.57864E-05	7.13702E-05	9.33751E-05	7.61463E-05	8.10139E-05	2.43597E-05	7.13702E-05	8.59058E-05	**6902**
6903	7.81124E-05	8.33362E-05	2.614E-05	7.48499E-05	9.79042E-05	7.97205E-05	8.48709E-05	2.49253E-05	7.48499E-05	8.91115E-05	**6903**
6904	8.43646E-05	9.00511E-05	2.77884E-05	8.06537E-05	9.47903E-05	8.60525E-05	9.16438E-05	2.65666E-05	8.06537E-05	8.59281E-05	**6904**
6905	9.22458E-05	9.8524E-05	2.97828E-05	8.71623E-05	9.23225E-05	9.36771E-05	9.98096E-05	2.84334E-05	8.71623E-05	8.34197E-05	**6905**
6906	9.99717E-05	0.000106508	3.49354E-05	9.21943E-05	9.08702E-05	0.000100287	0.000106674	3.23385E-05	9.21943E-05	8.19513E-05	**6906**
6907	0.000106619	0.000113028	4.28477E-05	9.51769E-05	7.55385E-05	0.000105088	0.000111396	3.79773E-05	9.51769E-05	6.91402E-05	**6907**

6908	0.000105298	0.000111258	4.60062E-05	9.20979E-05	6.22759E-05	0.000102634	0.000108536	3.98406E-05	9.20979E-05	5.84809E-05	**6908**
6909	0.000100853	0.000106484	4.48375E-05	8.55728E-05	5.33783E-05	9.70484E-05	0.000102554	3.84707E-05	8.55728E-05	5.0818E-05	**6909**
6910	9.36357E-05	9.90074E-05	4.01924E-05	7.78109E-05	4.69911E-05	8.94781E-05	9.46341E-05	3.46226E-05	7.78109E-05	4.57459E-05	**6910**
6911	8.33384E-05	8.83165E-05	3.38109E-05	7.01991E-05	4.59145E-05	8.02211E-05	8.49782E-05	2.96103E-05	7.01991E-05	4.4656E-05	**6911**
6912	7.57257E-05	8.06449E-05	2.67831E-05	6.58117E-05	4.54191E-05	7.41218E-05	7.87903E-05	2.44524E-05	6.58117E-05	4.41589E-05	**6912**
6913	6.61129E-05	7.07788E-05	1.96901E-05	5.8949E-05	4.56677E-05	6.56809E-05	7.0069E-05	1.89948E-05	5.8949E-05	4.44113E-05	**6913**
6914	6.42582E-05	6.90154E-05	1.69282E-05	5.85019E-05	4.64562E-05	6.45594E-05	6.90214E-05	1.70884E-05	5.85019E-05	4.52298E-05	**6914**
6915	6.5177E-05	7.00969E-05	1.62273E-05	6.04945E-05	4.84003E-05	6.60795E-05	7.07069E-05	1.68477E-05	6.04945E-05	4.72351E-05	**6915**
6916	6.9146E-05	7.44085E-05	1.67885E-05	6.51904E-05	5.1376E-05	7.05942E-05	7.55643E-05	1.77164E-05	6.51904E-05	5.02892E-05	**6916**
6917	7.64227E-05	8.21904E-05	1.90383E-05	7.22499E-05	5.51938E-05	7.80747E-05	8.35408E-05	1.99196E-05	7.22499E-05	5.41883E-05	**6917**
6918	8.3427E-05	8.96024E-05	2.19871E-05	7.83994E-05	5.59176E-05	8.49212E-05	9.07889E-05	2.24932E-05	7.83994E-05	5.48825E-05	**6918**
6919	8.63803E-05	9.25109E-05	2.5385E-05	8.14525E-05	0.000101792	8.78433E-05	9.37387E-05	2.51219E-05	8.14525E-05	9.32466E-05	**6919**
6920	7.99882E-05	8.54038E-05	2.61074E-05	7.85457E-05	0.000100634	8.25438E-05	8.79168E-05	2.53796E-05	7.85457E-05	9.2008E-05	**6920**
6921	7.61395E-05	8.11719E-05	2.60711E-05	7.41762E-05	0.000100973	7.82081E-05	8.32153E-05	2.49368E-05	7.41762E-05	9.23241E-05	**6921**
6922	7.48037E-05	7.96432E-05	2.66539E-05	7.21096E-05	0.000101236	7.64076E-05	8.12285E-05	2.51171E-05	7.21096E-05	9.25666E-05	**6922**
6923	7.37069E-05	7.83941E-05	2.70732E-05	7.0157E-05	0.000101934	7.48187E-05	7.94846E-05	2.51773E-05	7.0157E-05	9.32623E-05	**6923**
6924	7.29292E-05	7.76079E-05	2.63805E-05	6.94817E-05	9.52863E-05	7.40912E-05	7.87403E-05	2.46288E-05	6.94817E-05	8.78745E-05	**6924**
6925	7.42243E-05	7.90225E-05	2.64856E-05	7.05213E-05	9.49709E-05	7.53485E-05	8.01025E-05	2.47693E-05	7.05213E-05	8.75476E-05	**6925**
6926	7.54789E-05	8.04606E-05	2.59142E-05	7.20677E-05	9.32612E-05	7.68635E-05	8.17841E-05	2.45134E-05	7.20677E-05	8.57993E-05	**6926**
6927	7.897E-05	8.42633E-05	2.6306E-05	7.57589E-05	9.77453E-05	8.06448E-05	8.58631E-05	2.51268E-05	7.57589E-05	8.89578E-05	**6927**
6928	8.52432E-05	9.10007E-05	2.79607E-05	8.15994E-05	9.4621E-05	8.70058E-05	9.26669E-05	2.67772E-05	8.15994E-05	8.57625E-05	**6928**
6929	9.29287E-05	9.92622E-05	2.99151E-05	8.78869E-05	9.21692E-05	9.44135E-05	0.0001006	2.85941E-05	8.78869E-05	8.32697E-05	**6929**
6930	0.000100549	0.000107133	3.505E-05	9.28242E-05	9.07331E-05	0.000100917	0.00010735	3.24794E-05	9.28242E-05	8.18169E-05	**6930**
6931	0.000106967	0.000113404	4.29209E-05	9.55837E-05	7.54491E-05	0.00010548	0.000111816	3.80699E-05	9.55837E-05	6.90536E-05	**6931**
6932	0.000105829	0.000111831	4.61135E-05	9.26898E-05	6.21708E-05	0.000103218	0.000109163	3.99738E-05	9.26898E-05	5.83783E-05	**6932**
6933	9.99095E-05	0.000105439	4.48919E-05	8.60059E-05	5.32273E-05	9.66594E-05	0.000102121	3.85512E-05	8.60059E-05	5.06693E-05	**6933**
6934	9.41928E-05	9.96086E-05	4.031E-05	7.84651E-05	4.6845E-05	9.01064E-05	9.53074E-05	3.47718E-05	7.84651E-05	4.56028E-05	**6934**
6935	8.39488E-05	8.89758E-05	3.39344E-05	7.08807E-05	4.57652E-05	8.08941E-05	8.57E-05	2.97637E-05	7.08807E-05	4.45098E-05	**6935**
6936	7.61958E-05	8.11526E-05	2.68796E-05	6.63454E-05	4.51943E-05	7.4644E-05	7.93504E-05	2.4573E-05	6.63454E-05	4.39379E-05	**6936**
6937	6.61129E-05	7.07788E-05	1.96901E-05	5.8949E-05	4.56677E-05	6.56809E-05	7.0069E-05	1.89948E-05	5.8949E-05	4.44113E-05	**6937**
6938	6.42582E-05	6.90154E-05	1.69282E-05	5.85019E-05	4.64562E-05	6.45594E-05	6.90214E-05	1.70884E-05	5.85019E-05	4.52298E-05	**6938**
6939	6.5177E-05	7.00969E-05	1.62273E-05	6.04945E-05	4.84003E-05	6.60795E-05	7.07069E-05	1.68477E-05	6.04945E-05	4.72351E-05	**6939**
6940	6.9146E-05	7.44085E-05	1.67885E-05	6.51904E-05	5.1376E-05	7.05942E-05	7.55643E-05	1.77164E-05	6.51904E-05	5.02892E-05	**6940**
6941	7.64227E-05	8.21904E-05	1.90383E-05	7.22499E-05	5.51938E-05	7.80747E-05	8.35408E-05	1.99196E-05	7.22499E-05	5.41883E-05	**6941**
6942	8.3427E-05	8.96024E-05	2.19871E-05	7.83994E-05	5.59176E-05	8.49212E-05	9.07889E-05	2.24932E-05	7.83994E-05	5.48825E-05	**6942**
6943	8.63803E-05	9.25109E-05	2.5385E-05	8.14525E-05	0.000101792	8.78433E-05	9.37387E-05	2.51219E-05	8.14525E-05	9.32466E-05	**6943**
6944	7.99882E-05	8.54038E-05	2.61074E-05	7.85457E-05	0.000100634	8.25438E-05	8.79168E-05	2.53796E-05	7.85457E-05	9.2008E-05	**6944**
6945	7.61395E-05	8.11719E-05	2.60711E-05	7.41762E-05	0.000100973	7.82081E-05	8.32153E-05	2.49368E-05	7.41762E-05	9.23241E-05	**6945**
6946	7.48037E-05	7.96432E-05	2.66539E-05	7.21096E-05	0.000101236	7.64076E-05	8.12285E-05	2.51171E-05	7.21096E-05	9.25666E-05	**6946**
6947	7.37069E-05	7.83941E-05	2.70732E-05	7.0157E-05	0.000101934	7.48187E-05	7.94846E-05	2.51773E-05	7.0157E-05	9.32623E-05	**6947**
6948	7.29292E-05	7.76079E-05	2.63805E-05	6.94817E-05	9.52863E-05	7.40912E-05	7.87403E-05	2.46288E-05	6.94817E-05	8.78745E-05	**6948**
6949	7.42243E-05	7.90225E-05	2.64856E-05	7.05213E-05	9.49709E-05	7.53485E-05	8.01025E-05	2.47693E-05	7.05213E-05	8.75476E-05	**6949**
6950	7.54789E-05	8.04606E-05	2.59142E-05	7.20677E-05	9.32612E-05	7.68635E-05	8.17841E-05	2.45134E-05	7.20677E-05	8.57993E-05	**6950**
6951	7.897E-05	8.42633E-05	2.6306E-05	7.57589E-05	9.77453E-05	8.06448E-05	8.58631E-05	2.51268E-05	7.57589E-05	8.89578E-05	**6951**
6952	8.52432E-05	9.10007E-05	2.79607E-05	8.15994E-05	9.4621E-05	8.70058E-05	9.26669E-05	2.67772E-05	8.15994E-05	8.57625E-05	**6952**
6953	9.29287E-05	9.92622E-05	2.99151E-05	8.78869E-05	9.21692E-05	9.44135E-05	0.0001006	2.85941E-05	8.78869E-05	8.32697E-05	**6953**
6954	0.000100549	0.000107133	3.505E-05	9.28242E-05	9.07331E-05	0.000100917	0.00010735	3.24794E-05	9.28242E-05	8.18169E-05	**6954**
6955	0.000106967	0.000113404	4.29209E-05	9.55837E-05	7.54491E-05	0.00010548	0.000111816	3.80699E-05	9.55837E-05	6.90536E-05	**6955**
6956	0.000105829	0.000111831	4.61135E-05	9.26898E-05	6.21708E-05	0.000103218	0.000109163	3.99738E-05	9.26898E-05	5.83783E-05	**6956**
6957	9.99095E-05	0.000105439	4.48919E-05	8.60059E-05	5.32273E-05	9.66594E-05	0.000102121	3.85512E-05	8.60059E-05	5.06693E-05	**6957**
6958	9.41928E-05	9.96086E-05	4.031E-05	7.84651E-05	4.6845E-05	9.01064E-05	9.53074E-05	3.47718E-05	7.84651E-05	4.56028E-05	**6958**
6959	8.39488E-05	8.89758E-05	3.39344E-05	7.08807E-05	4.57652E-05	8.08941E-05	8.57E-05	2.97637E-05	7.08807E-05	4.45098E-05	**6959**
6960	7.61958E-05	8.11526E-05	2.68796E-05	6.63454E-05	4.51943E-05	7.4644E-05	7.93504E-05	2.4573E-05	6.63454E-05	4.39379E-05	**6960**
6961	6.62328E-05	7.09091E-05	1.97072E-05	5.90367E-05	4.54031E-05	6.57928E-05	7.01899E-05	1.90117E-05	5.90367E-05	4.41496E-05	**6961**
6962	6.42515E-05	6.90085E-05	1.69239E-05	5.84752E-05	4.61466E-05	6.45437E-05	6.90048E-05	1.70812E-05	5.84752E-05	4.49225E-05	**6962**
6963	6.52251E-05	7.01487E-05	1.62397E-05	6.05655E-05	4.8087E-05	6.61402E-05	7.07717E-05	1.68648E-05	6.05655E-05	4.69236E-05	**6963**
6964	6.91642E-05	7.44277E-05	1.67968E-05	6.52401E-05	5.10029E-05	7.06272E-05	7.55992E-05	1.77294E-05	6.52401E-05	4.99151E-05	**6964**
6965	7.64803E-05	8.22514E-05	1.90619E-05	7.23915E-05	5.48268E-05	7.81721E-05	8.36439E-05	1.99562E-05	7.23915E-05	5.38196E-05	**6965**
6966	8.34695E-05	8.96476E-05	2.20019E-05	7.84875E-05	5.55435E-05	8.49858E-05	9.08576E-05	2.25155E-05	7.84875E-05	5.45056E-05	**6966**
6967	8.47545E-05	9.07304E-05	2.52994E-05	8.11114E-05	0.000101517	8.66969E-05	9.24933E-05	2.50275E-05	8.11114E-05	9.29674E-05	**6967**
6968	7.944E-05	8.48119E-05	2.59932E-05	7.79124E-05	0.000100417	8.193E-05	8.72589E-05	2.52358E-05	7.79124E-05	9.17867E-05	**6968**
6969	7.50131E-05	7.99564E-05	2.58312E-05	7.28409E-05	0.000100906	7.69322E-05	8.18481E-05	2.46315E-05	7.28409E-05	9.22535E-05	**6969**
6970	7.36148E-05	7.83602E-05	2.64011E-05	7.07025E-05	0.000101242	7.50618E-05	7.97865E-05	2.47955E-05	7.07025E-05	9.25672E-05	**6970**
6971	7.26284E-05	7.72302E-05	2.68436E-05	6.88795E-05	0.000102015	7.35974E-05	7.8176E-05	2.48853E-05	6.88795E-05	9.33363E-05	**6971**
6972	7.19985E-05	7.6602E-05	2.61981E-05	6.84809E-05	9.53494E-05	7.30819E-05	7.76571E-05	2.4406E-05	6.84809E-05	8.79301E-05	**6972**
6973	7.34548E-05	7.81902E-05	2.63412E-05	6.97356E-05	9.50353E-05	7.45323E-05	7.92258E-05	2.45971E-05	6.97356E-05	8.76031E-05	**6973**
6974	7.48077E-05	7.97348E-05	2.57864E-05	7.13702E-05	9.33751E-05	7.61463E-05	8.10139E-05	2.43597E-05	7.13702E-05	8.59058E-05	**6974**
6975	7.81124E-05	8.33362E-05	2.614E-05	7.48499E-05	9.79042E-05	7.97205E-05	8.48709E-05	2.49253E-05	7.48499E-05	8.91115E-05	**6975**
6976	8.43646E-05	9.00511E-05	2.77884E-05	8.06537E-05	9.47903E-05	8.60525E-05	9.16438E-05	2.65666E-05	8.06537E-05	8.59281E-05	**6976**
6977	9.22458E-05	9.8524E-05	2.97828E-05	8.71623E-05	9.23225E-05	9.36771E-05	9.98096E-05	2.84334E-05	8.71623E-05	8.34197E-05	**6977**
6978	9.99717E-05	0.000106508	3.49354E-05	9.21943E-05	9.08702E-05	0.000100287	0.000106674	3.23385E-05	9.21943E-05	8.19513E-05	**6978**
6979	0.000106619	0.000113028	4.28477E-05	9.51769E-05	7.55385E-05	0.000105088	0.000111396	3.79773E-05	9.51769E-05	6.91402E-05	**6979**
6980	0.000105298	0.000111258	4.60062E-05	9.20979E-05	6.22759E-05	0.000102634	0.000108536	3.98406E-05	9.20979E-05	5.84809E-05	**6980**
6981	0.000100853	0.000106484	4.48375E-05	8.55728E-05	5.33783E-05	9.70484E-05	0.000102554	3.84707E-05	8.55728E-05	5.0818E-05	**6981**
6982	9.36357E-05	9.90074E-05	4.01924E-05	7.78109E-05	4.69911E-05	8.94781E-05	9.46341E-05	3.46226E-05	7.78109E-05	4.57459E-05	**6982**
6983	8.33384E-05	8.83165E-05	3.38109E-05	7.01991E-05	4.59145E-05	8.02211E-05	8.49782E-05	2.96103E-05	7.01991E-05	4.4656E-05	**6983**

6984	7.57257E-05	8.06449E-05	2.67831E-05	6.58117E-05	4.54191E-05	7.41218E-05	7.87903E-05	2.44524E-05	6.58117E-05	4.41589E-05	**6984**
6985	6.62328E-05	7.09091E-05	1.97072E-05	5.90367E-05	4.54031E-05	6.57928E-05	7.01899E-05	1.90117E-05	5.90367E-05	4.41496E-05	**6985**
6986	6.42515E-05	6.90085E-05	1.69239E-05	5.84752E-05	4.61466E-05	6.45437E-05	6.90048E-05	1.70812E-05	5.84752E-05	4.49225E-05	**6986**
6987	6.52251E-05	7.01487E-05	1.62397E-05	6.05655E-05	4.8087E-05	6.61402E-05	7.07717E-05	1.68648E-05	6.05655E-05	4.69236E-05	**6987**
6988	6.91642E-05	7.44277E-05	1.67968E-05	6.52401E-05	5.10029E-05	7.06272E-05	7.55992E-05	1.77294E-05	6.52401E-05	4.99151E-05	**6988**
6989	7.64803E-05	8.22514E-05	1.90619E-05	7.23915E-05	5.48268E-05	7.81721E-05	8.36439E-05	1.99562E-05	7.23915E-05	5.38196E-05	**6989**
6990	8.34695E-05	8.96476E-05	2.20019E-05	7.84875E-05	5.55435E-05	8.49858E-05	9.08576E-05	2.25155E-05	7.84875E-05	5.45056E-05	**6990**
6991	8.47545E-05	9.07304E-05	2.52994E-05	8.11114E-05	0.000101517	8.66969E-05	9.24933E-05	2.50275E-05	8.11114E-05	9.29674E-05	**6991**
6992	7.944E-05	8.48119E-05	2.59932E-05	7.79124E-05	0.000100417	8.193E-05	8.72589E-05	2.52358E-05	7.79124E-05	9.17867E-05	**6992**
6993	7.50131E-05	7.99564E-05	2.58312E-05	7.28409E-05	0.000100906	7.69322E-05	8.18481E-05	2.46315E-05	7.28409E-05	9.22535E-05	**6993**
6994	7.36148E-05	7.83602E-05	2.64011E-05	7.07025E-05	0.000101242	7.50618E-05	7.97865E-05	2.47955E-05	7.07025E-05	9.25672E-05	**6994**
6995	7.26284E-05	7.72302E-05	2.68436E-05	6.88795E-05	0.000102015	7.35974E-05	7.8176E-05	2.48853E-05	6.88795E-05	9.33363E-05	**6995**
6996	7.19985E-05	7.6602E-05	2.61981E-05	6.84809E-05	9.53494E-05	7.30819E-05	7.76571E-05	2.4406E-05	6.84809E-05	8.79301E-05	**6996**
6997	7.34548E-05	7.81902E-05	2.63412E-05	6.97356E-05	9.50353E-05	7.45323E-05	7.92258E-05	2.45971E-05	6.97356E-05	8.76031E-05	**6997**
6998	7.48077E-05	7.97348E-05	2.57864E-05	7.13702E-05	9.33751E-05	7.61463E-05	8.10139E-05	2.43597E-05	7.13702E-05	8.59058E-05	**6998**
6999	7.81124E-05	8.33362E-05	2.614E-05	7.48499E-05	9.79042E-05	7.97205E-05	8.48709E-05	2.49253E-05	7.48499E-05	8.91115E-05	**6999**
7000	8.43646E-05	9.00511E-05	2.77884E-05	8.06537E-05	9.47903E-05	8.60525E-05	9.16438E-05	2.65666E-05	8.06537E-05	8.59281E-05	**7000**
7001	9.22458E-05	9.8524E-05	2.97828E-05	8.71623E-05	9.23225E-05	9.36771E-05	9.98096E-05	2.84334E-05	8.71623E-05	8.34197E-05	**7001**
7002	9.99717E-05	0.000106508	3.49354E-05	9.21943E-05	9.08702E-05	0.000100287	0.000106674	3.23385E-05	9.21943E-05	8.19513E-05	**7002**
7003	0.000106619	0.000113028	4.28477E-05	9.51769E-05	7.55385E-05	0.000105088	0.000111396	3.79773E-05	9.51769E-05	6.91402E-05	**7003**
7004	0.000105298	0.000111258	4.60062E-05	9.20979E-05	6.22759E-05	0.000102634	0.000108536	3.98406E-05	9.20979E-05	5.84809E-05	**7004**
7005	0.000100853	0.000106484	4.48375E-05	8.55728E-05	5.33783E-05	9.70484E-05	0.000102554	3.84707E-05	8.55728E-05	5.0818E-05	**7005**
7006	9.36357E-05	9.90074E-05	4.01924E-05	7.78109E-05	4.69911E-05	8.94781E-05	9.46341E-05	3.46226E-05	7.78109E-05	4.57459E-05	**7006**
7007	8.33384E-05	8.83165E-05	3.38109E-05	7.01991E-05	4.59145E-05	8.02211E-05	8.49782E-05	2.96103E-05	7.01991E-05	4.4656E-05	**7007**
7008	7.57257E-05	8.06449E-05	2.67831E-05	6.58117E-05	4.54191E-05	7.41218E-05	7.87903E-05	2.44524E-05	6.58117E-05	4.41589E-05	**7008**
7009	6.62328E-05	7.09091E-05	1.97072E-05	5.90367E-05	4.54031E-05	6.57928E-05	7.01899E-05	1.90117E-05	5.90367E-05	4.41496E-05	**7009**
7010	6.42515E-05	6.90085E-05	1.69239E-05	5.84752E-05	4.61466E-05	6.45437E-05	6.90048E-05	1.70812E-05	5.84752E-05	4.49225E-05	**7010**
7011	6.52251E-05	7.01487E-05	1.62397E-05	6.05655E-05	4.8087E-05	6.61402E-05	7.07717E-05	1.68648E-05	6.05655E-05	4.69236E-05	**7011**
7012	6.91642E-05	7.44277E-05	1.67968E-05	6.52401E-05	5.10029E-05	7.06272E-05	7.55992E-05	1.77294E-05	6.52401E-05	4.99151E-05	**7012**
7013	7.64803E-05	8.22514E-05	1.90619E-05	7.23915E-05	5.48268E-05	7.81721E-05	8.36439E-05	1.99562E-05	7.23915E-05	5.38196E-05	**7013**
7014	8.34695E-05	8.96476E-05	2.20019E-05	7.84875E-05	5.55435E-05	8.49858E-05	9.08576E-05	2.25155E-05	7.84875E-05	5.45056E-05	**7014**
7015	8.47545E-05	9.07304E-05	2.52994E-05	8.11114E-05	0.000101517	8.66969E-05	9.24933E-05	2.50275E-05	8.11114E-05	9.29674E-05	**7015**
7016	7.944E-05	8.48119E-05	2.59932E-05	7.79124E-05	0.000100417	8.193E-05	8.72589E-05	2.52358E-05	7.79124E-05	9.17867E-05	**7016**
7017	7.50131E-05	7.99564E-05	2.58312E-05	7.28409E-05	0.000100906	7.69322E-05	8.18481E-05	2.46315E-05	7.28409E-05	9.22535E-05	**7017**
7018	7.36148E-05	7.83602E-05	2.64011E-05	7.07025E-05	0.000101242	7.50618E-05	7.97865E-05	2.47955E-05	7.07025E-05	9.25672E-05	**7018**
7019	7.26284E-05	7.72302E-05	2.68436E-05	6.88795E-05	0.000102015	7.35974E-05	7.8176E-05	2.48853E-05	6.88795E-05	9.33363E-05	**7019**
7020	7.19985E-05	7.6602E-05	2.61981E-05	6.84809E-05	9.53494E-05	7.30819E-05	7.76571E-05	2.4406E-05	6.84809E-05	8.79301E-05	**7020**
7021	7.34548E-05	7.81902E-05	2.63412E-05	6.97356E-05	9.50353E-05	7.45323E-05	7.92258E-05	2.45971E-05	6.97356E-05	8.76031E-05	**7021**
7022	7.48077E-05	7.97348E-05	2.57864E-05	7.13702E-05	9.33751E-05	7.61463E-05	8.10139E-05	2.43597E-05	7.13702E-05	8.59058E-05	**7022**
7023	7.81124E-05	8.33362E-05	2.614E-05	7.48499E-05	9.79042E-05	7.97205E-05	8.48709E-05	2.49253E-05	7.48499E-05	8.91115E-05	**7023**
7024	8.43646E-05	9.00511E-05	2.77884E-05	8.06537E-05	9.47903E-05	8.60525E-05	9.16438E-05	2.65666E-05	8.06537E-05	8.59281E-05	**7024**
7025	9.22458E-05	9.8524E-05	2.97828E-05	8.71623E-05	9.23225E-05	9.36771E-05	9.98096E-05	2.84334E-05	8.71623E-05	8.34197E-05	**7025**
7026	9.99717E-05	0.000106508	3.49354E-05	9.21943E-05	9.08702E-05	0.000100287	0.000106674	3.23385E-05	9.21943E-05	8.19513E-05	**7026**
7027	0.000106619	0.000113028	4.28477E-05	9.51769E-05	7.55385E-05	0.000105088	0.000111396	3.79773E-05	9.51769E-05	6.91402E-05	**7027**
7028	0.000105298	0.000111258	4.60062E-05	9.20979E-05	6.22759E-05	0.000102634	0.000108536	3.98406E-05	9.20979E-05	5.84809E-05	**7028**
7029	0.000100853	0.000106484	4.48375E-05	8.55728E-05	5.33783E-05	9.70484E-05	0.000102554	3.84707E-05	8.55728E-05	5.0818E-05	**7029**
7030	9.36357E-05	9.90074E-05	4.01924E-05	7.78109E-05	4.69911E-05	8.94781E-05	9.46341E-05	3.46226E-05	7.78109E-05	4.57459E-05	**7030**
7031	8.33384E-05	8.83165E-05	3.38109E-05	7.01991E-05	4.59145E-05	8.02211E-05	8.49782E-05	2.96103E-05	7.01991E-05	4.4656E-05	**7031**
7032	7.57257E-05	8.06449E-05	2.67831E-05	6.58117E-05	4.54191E-05	7.41218E-05	7.87903E-05	2.44524E-05	6.58117E-05	4.41589E-05	**7032**
7033	6.62328E-05	7.09091E-05	1.97072E-05	5.90367E-05	4.54031E-05	6.57928E-05	7.01899E-05	1.90117E-05	5.90367E-05	4.41496E-05	**7033**
7034	6.42515E-05	6.90085E-05	1.69239E-05	5.84752E-05	4.61466E-05	6.45437E-05	6.90048E-05	1.70812E-05	5.84752E-05	4.49225E-05	**7034**
7035	6.52251E-05	7.01487E-05	1.62397E-05	6.05655E-05	4.8087E-05	6.61402E-05	7.07717E-05	1.68648E-05	6.05655E-05	4.69236E-05	**7035**
7036	6.91642E-05	7.44277E-05	1.67968E-05	6.52401E-05	5.10029E-05	7.06272E-05	7.55992E-05	1.77294E-05	6.52401E-05	4.99151E-05	**7036**
7037	7.64803E-05	8.22514E-05	1.90619E-05	7.23915E-05	5.48268E-05	7.81721E-05	8.36439E-05	1.99562E-05	7.23915E-05	5.38196E-05	**7037**
7038	8.34695E-05	8.96476E-05	2.20019E-05	7.84875E-05	5.55435E-05	8.49858E-05	9.08576E-05	2.25155E-05	7.84875E-05	5.45056E-05	**7038**
7039	8.47545E-05	9.07304E-05	2.52994E-05	8.11114E-05	0.000101517	8.66969E-05	9.24933E-05	2.50275E-05	8.11114E-05	9.29674E-05	**7039**
7040	7.944E-05	8.48119E-05	2.59932E-05	7.79124E-05	0.000100417	8.193E-05	8.72589E-05	2.52358E-05	7.79124E-05	9.17867E-05	**7040**
7041	7.50131E-05	7.99564E-05	2.58312E-05	7.28409E-05	0.000100906	7.69322E-05	8.18481E-05	2.46315E-05	7.28409E-05	9.22535E-05	**7041**
7042	7.36148E-05	7.83602E-05	2.64011E-05	7.07025E-05	0.000101242	7.50618E-05	7.97865E-05	2.47955E-05	7.07025E-05	9.25672E-05	**7042**
7043	7.26284E-05	7.72302E-05	2.68436E-05	6.88795E-05	0.000102015	7.35974E-05	7.8176E-05	2.48853E-05	6.88795E-05	9.33363E-05	**7043**
7044	7.19985E-05	7.6602E-05	2.61981E-05	6.84809E-05	9.53494E-05	7.30819E-05	7.76571E-05	2.4406E-05	6.84809E-05	8.79301E-05	**7044**
7045	7.34548E-05	7.81902E-05	2.63412E-05	6.97356E-05	9.50353E-05	7.45323E-05	7.92258E-05	2.45971E-05	6.97356E-05	8.76031E-05	**7045**
7046	7.48077E-05	7.97348E-05	2.57864E-05	7.13702E-05	9.33751E-05	7.61463E-05	8.10139E-05	2.43597E-05	7.13702E-05	8.59058E-05	**7046**
7047	7.81124E-05	8.33362E-05	2.614E-05	7.48499E-05	9.79042E-05	7.97205E-05	8.48709E-05	2.49253E-05	7.48499E-05	8.91115E-05	**7047**
7048	8.43646E-05	9.00511E-05	2.77884E-05	8.06537E-05	9.47903E-05	8.60525E-05	9.16438E-05	2.65666E-05	8.06537E-05	8.59281E-05	**7048**
7049	9.22458E-05	9.8524E-05	2.97828E-05	8.71623E-05	9.23225E-05	9.36771E-05	9.98096E-05	2.84334E-05	8.71623E-05	8.34197E-05	**7049**
7050	9.99717E-05	0.000106508	3.49354E-05	9.21943E-05	9.08702E-05	0.000100287	0.000106674	3.23385E-05	9.21943E-05	8.19513E-05	**7050**
7051	0.000106619	0.000113028	4.28477E-05	9.51769E-05	7.55385E-05	0.000105088	0.000111396	3.79773E-05	9.51769E-05	6.91402E-05	**7051**
7052	0.000105298	0.000111258	4.60062E-05	9.20979E-05	6.22759E-05	0.000102634	0.000108536	3.98406E-05	9.20979E-05	5.84809E-05	**7052**
7053	0.000100853	0.000106484	4.48375E-05	8.55728E-05	5.33783E-05	9.70484E-05	0.000102554	3.84707E-05	8.55728E-05	5.0818E-05	**7053**
7054	9.36357E-05	9.90074E-05	4.01924E-05	7.78109E-05	4.69911E-05	8.94781E-05	9.46341E-05	3.46226E-05	7.78109E-05	4.57459E-05	**7054**
7055	8.33384E-05	8.83165E-05	3.38109E-05	7.01991E-05	4.59145E-05	8.02211E-05	8.49782E-05	2.96103E-05	7.01991E-05	4.4656E-05	**7055**
7056	7.57257E-05	8.06449E-05	2.67831E-05	6.58117E-05	4.54191E-05	7.41218E-05	7.87903E-05	2.44524E-05	6.58117E-05	4.41589E-05	**7056**
7057	6.62328E-05	7.09091E-05	1.97072E-05	5.90367E-05	4.54031E-05	6.57928E-05	7.01899E-05	1.90117E-05	5.90367E-05	4.41496E-05	**7057**
7058	6.42515E-05	6.90085E-05	1.69239E-05	5.84752E-05	4.61466E-05	6.45437E-05	6.90048E-05	1.70812E-05	5.84752E-05	4.49225E-05	**7058**
7059	6.52251E-05	7.01487E-05	1.62397E-05	6.05655E-05	4.8087E-05	6.61402E-05	7.07717E-05	1.68648E-05	6.05655E-05	4.69236E-05	**7059**

7060	6.91642E-05	7.44277E-05	1.67968E-05	6.52401E-05	5.10029E-05	7.06272E-05	7.55992E-05	1.77294E-05	6.52401E-05	4.99151E-05	**7060**
7061	7.64803E-05	8.22514E-05	1.90619E-05	7.23915E-05	5.48268E-05	7.81721E-05	8.36439E-05	1.99562E-05	7.23915E-05	5.38196E-05	**7061**
7062	8.34695E-05	8.96476E-05	2.20019E-05	7.84875E-05	5.55435E-05	8.49858E-05	9.08576E-05	2.25155E-05	7.84875E-05	5.45056E-05	**7062**
7063	8.47545E-05	9.07304E-05	2.52994E-05	8.11114E-05	0.000101517	8.66969E-05	9.24933E-05	2.50275E-05	8.11114E-05	9.29674E-05	**7063**
7064	7.944E-05	8.48119E-05	2.59932E-05	7.79124E-05	0.000100417	8.193E-05	8.72589E-05	2.52358E-05	7.79124E-05	9.17867E-05	**7064**
7065	7.50131E-05	7.99564E-05	2.58312E-05	7.28409E-05	0.000100906	7.69322E-05	8.18481E-05	2.46315E-05	7.28409E-05	9.22535E-05	**7065**
7066	7.36148E-05	7.83602E-05	2.64011E-05	7.07025E-05	0.000101242	7.50618E-05	7.97865E-05	2.47955E-05	7.07025E-05	9.25672E-05	**7066**
7067	7.26284E-05	7.72302E-05	2.68436E-05	6.88795E-05	0.000102015	7.35974E-05	7.8176E-05	2.48853E-05	6.88795E-05	9.33363E-05	**7067**
7068	7.19985E-05	7.6602E-05	2.61981E-05	6.84809E-05	9.53494E-05	7.30819E-05	7.76571E-05	2.4406E-05	6.84809E-05	8.79301E-05	**7068**
7069	7.34548E-05	7.81902E-05	2.63412E-05	6.97356E-05	9.50353E-05	7.45323E-05	7.92258E-05	2.45971E-05	6.97356E-05	8.76031E-05	**7069**
7070	7.48077E-05	7.97348E-05	2.57864E-05	7.13702E-05	9.33751E-05	7.61463E-05	8.10139E-05	2.43597E-05	7.13702E-05	8.59058E-05	**7070**
7071	7.81124E-05	8.33362E-05	2.614E-05	7.48499E-05	9.79042E-05	7.97205E-05	8.48709E-05	2.49253E-05	7.48499E-05	8.91115E-05	**7071**
7072	8.43646E-05	9.00511E-05	2.77884E-05	8.06537E-05	9.47903E-05	8.60525E-05	9.16438E-05	2.65666E-05	8.06537E-05	8.59281E-05	**7072**
7073	9.22458E-05	9.8524E-05	2.97828E-05	8.71623E-05	9.23225E-05	9.36771E-05	9.98096E-05	2.84334E-05	8.71623E-05	8.34197E-05	**7073**
7074	9.99717E-05	0.000106508	3.49354E-05	9.21943E-05	9.08702E-05	0.000100287	0.000106674	3.23385E-05	9.21943E-05	8.19513E-05	**7074**
7075	0.000106619	0.000113028	4.28477E-05	9.51769E-05	7.55385E-05	0.000105088	0.000111396	3.79773E-05	9.51769E-05	6.91402E-05	**7075**
7076	0.000105298	0.000111258	4.60062E-05	9.20979E-05	6.22759E-05	0.000102634	0.000108536	3.98406E-05	9.20979E-05	5.84809E-05	**7076**
7077	0.000100853	0.000106484	4.48375E-05	8.55728E-05	5.33783E-05	9.70484E-05	0.000102554	3.84707E-05	8.55728E-05	5.0818E-05	**7077**
7078	9.36357E-05	9.90074E-05	4.01924E-05	7.78109E-05	4.69911E-05	8.94781E-05	9.46341E-05	3.46226E-05	7.78109E-05	4.57459E-05	**7078**
7079	8.33384E-05	8.83165E-05	3.38109E-05	7.01991E-05	4.59145E-05	8.02211E-05	8.49782E-05	2.96103E-05	7.01991E-05	4.4656E-05	**7079**
7080	7.57257E-05	8.06449E-05	2.67831E-05	6.58117E-05	4.54191E-05	7.41218E-05	7.87903E-05	2.44524E-05	6.58117E-05	4.41589E-05	**7080**
7081	6.61129E-05	7.07788E-05	1.96901E-05	5.8949E-05	4.56677E-05	6.56809E-05	7.0069E-05	1.89948E-05	5.8949E-05	4.44113E-05	**7081**
7082	6.42582E-05	6.90154E-05	1.69282E-05	5.85019E-05	4.64562E-05	6.45594E-05	6.90214E-05	1.70884E-05	5.85019E-05	4.52298E-05	**7082**
7083	6.5177E-05	7.00969E-05	1.62273E-05	6.04945E-05	4.84003E-05	6.60795E-05	7.07069E-05	1.68477E-05	6.04945E-05	4.72351E-05	**7083**
7084	6.9146E-05	7.44085E-05	1.67885E-05	6.51904E-05	5.1376E-05	7.05942E-05	7.55643E-05	1.77164E-05	6.51904E-05	5.02892E-05	**7084**
7085	7.64227E-05	8.21904E-05	1.90383E-05	7.22499E-05	5.51938E-05	7.80747E-05	8.35408E-05	1.99196E-05	7.22499E-05	5.41883E-05	**7085**
7086	8.3427E-05	8.96024E-05	2.19871E-05	7.83994E-05	5.59176E-05	8.49212E-05	9.07889E-05	2.24932E-05	7.83994E-05	5.48825E-05	**7086**
7087	8.63803E-05	9.25109E-05	2.5385E-05	8.14525E-05	0.000101792	8.78433E-05	9.37387E-05	2.51219E-05	8.14525E-05	9.32466E-05	**7087**
7088	7.99882E-05	8.54038E-05	2.61074E-05	7.85457E-05	0.000100634	8.25438E-05	8.79168E-05	2.53796E-05	7.85457E-05	9.2008E-05	**7088**
7089	7.61395E-05	8.11719E-05	2.60711E-05	7.41762E-05	0.000100973	7.82081E-05	8.32153E-05	2.49368E-05	7.41762E-05	9.23241E-05	**7089**
7090	7.48037E-05	7.96432E-05	2.66539E-05	7.21096E-05	0.000101236	7.64076E-05	8.12285E-05	2.51171E-05	7.21096E-05	9.25666E-05	**7090**
7091	7.37069E-05	7.83941E-05	2.70732E-05	7.0157E-05	0.000101934	7.48187E-05	7.94846E-05	2.51773E-05	7.0157E-05	9.32623E-05	**7091**
7092	7.29292E-05	7.76079E-05	2.63805E-05	6.94817E-05	9.52863E-05	7.40912E-05	7.87403E-05	2.46288E-05	6.94817E-05	8.78745E-05	**7092**
7093	7.42243E-05	7.90225E-05	2.64856E-05	7.05213E-05	9.49709E-05	7.53485E-05	8.01025E-05	2.47693E-05	7.05213E-05	8.75476E-05	**7093**
7094	7.54789E-05	8.04606E-05	2.59142E-05	7.20677E-05	9.32612E-05	7.68635E-05	8.17841E-05	2.45134E-05	7.20677E-05	8.57993E-05	**7094**
7095	7.897E-05	8.42633E-05	2.6306E-05	7.57589E-05	9.77453E-05	8.06448E-05	8.58631E-05	2.51268E-05	7.57589E-05	8.89578E-05	**7095**
7096	8.52432E-05	9.10007E-05	2.79607E-05	8.15994E-05	9.4621E-05	8.70058E-05	9.26669E-05	2.67772E-05	8.15994E-05	8.57625E-05	**7096**
7097	9.29287E-05	9.92622E-05	2.99151E-05	8.78869E-05	9.21692E-05	9.44135E-05	0.0001006	2.85941E-05	8.78869E-05	8.32697E-05	**7097**
7098	0.000100549	0.000107133	3.505E-05	9.28242E-05	9.07331E-05	0.000100917	0.00010735	3.24794E-05	9.28242E-05	8.18169E-05	**7098**
7099	0.000106967	0.000113404	4.29209E-05	9.55837E-05	7.54491E-05	0.00010548	0.000111816	3.80699E-05	9.55837E-05	6.90536E-05	**7099**
7100	0.000105829	0.000111831	4.61135E-05	9.26898E-05	6.21708E-05	0.000103218	0.000109163	3.99738E-05	9.26898E-05	5.83783E-05	**7100**
7101	9.99095E-05	0.000105439	4.48919E-05	8.60059E-05	5.32273E-05	9.66594E-05	0.000102121	3.85512E-05	8.60059E-05	5.06693E-05	**7101**
7102	9.41928E-05	9.96086E-05	4.031E-05	7.84651E-05	4.6845E-05	9.01064E-05	9.53074E-05	3.47718E-05	7.84651E-05	4.56028E-05	**7102**
7103	8.39488E-05	8.89758E-05	3.39344E-05	7.08807E-05	4.57652E-05	8.08941E-05	8.57E-05	2.97637E-05	7.08807E-05	4.45098E-05	**7103**
7104	7.61958E-05	8.11526E-05	2.68796E-05	6.63454E-05	4.51943E-05	7.4644E-05	7.93504E-05	2.4573E-05	6.63454E-05	4.39379E-05	**7104**
7105	6.61129E-05	7.07788E-05	1.96901E-05	5.8949E-05	4.56677E-05	6.56809E-05	7.0069E-05	1.89948E-05	5.8949E-05	4.44113E-05	**7105**
7106	6.42582E-05	6.90154E-05	1.69282E-05	5.85019E-05	4.64562E-05	6.45594E-05	6.90214E-05	1.70884E-05	5.85019E-05	4.52298E-05	**7106**
7107	6.5177E-05	7.00969E-05	1.62273E-05	6.04945E-05	4.84003E-05	6.60795E-05	7.07069E-05	1.68477E-05	6.04945E-05	4.72351E-05	**7107**
7108	6.9146E-05	7.44085E-05	1.67885E-05	6.51904E-05	5.1376E-05	7.05942E-05	7.55643E-05	1.77164E-05	6.51904E-05	5.02892E-05	**7108**
7109	7.64227E-05	8.21904E-05	1.90383E-05	7.22499E-05	5.51938E-05	7.80747E-05	8.35408E-05	1.99196E-05	7.22499E-05	5.41883E-05	**7109**
7110	8.3427E-05	8.96024E-05	2.19871E-05	7.83994E-05	5.59176E-05	8.49212E-05	9.07889E-05	2.24932E-05	7.83994E-05	5.48825E-05	**7110**
7111	8.63803E-05	9.25109E-05	2.5385E-05	8.14525E-05	0.000101792	8.78433E-05	9.37387E-05	2.51219E-05	8.14525E-05	9.32466E-05	**7111**
7112	7.99882E-05	8.54038E-05	2.61074E-05	7.85457E-05	0.000100634	8.25438E-05	8.79168E-05	2.53796E-05	7.85457E-05	9.2008E-05	**7112**
7113	7.61395E-05	8.11719E-05	2.60711E-05	7.41762E-05	0.000100973	7.82081E-05	8.32153E-05	2.49368E-05	7.41762E-05	9.23241E-05	**7113**
7114	7.48037E-05	7.96432E-05	2.66539E-05	7.21096E-05	0.000101236	7.64076E-05	8.12285E-05	2.51171E-05	7.21096E-05	9.25666E-05	**7114**
7115	7.37069E-05	7.83941E-05	2.70732E-05	7.0157E-05	0.000101934	7.48187E-05	7.94846E-05	2.51773E-05	7.0157E-05	9.32623E-05	**7115**
7116	7.29292E-05	7.76079E-05	2.63805E-05	6.94817E-05	9.52863E-05	7.40912E-05	7.87403E-05	2.46288E-05	6.94817E-05	8.78745E-05	**7116**
7117	7.42243E-05	7.90225E-05	2.64856E-05	7.05213E-05	9.49709E-05	7.53485E-05	8.01025E-05	2.47693E-05	7.05213E-05	8.75476E-05	**7117**
7118	7.54789E-05	8.04606E-05	2.59142E-05	7.20677E-05	9.32612E-05	7.68635E-05	8.17841E-05	2.45134E-05	7.20677E-05	8.57993E-05	**7118**
7119	7.897E-05	8.42633E-05	2.6306E-05	7.57589E-05	9.77453E-05	8.06448E-05	8.58631E-05	2.51268E-05	7.57589E-05	8.89578E-05	**7119**
7120	8.52432E-05	9.10007E-05	2.79607E-05	8.15994E-05	9.4621E-05	8.70058E-05	9.26669E-05	2.67772E-05	8.15994E-05	8.57625E-05	**7120**
7121	9.29287E-05	9.92622E-05	2.99151E-05	8.78869E-05	9.21692E-05	9.44135E-05	0.0001006	2.85941E-05	8.78869E-05	8.32697E-05	**7121**
7122	0.000100549	0.000107133	3.505E-05	9.28242E-05	9.07331E-05	0.000100917	0.00010735	3.24794E-05	9.28242E-05	8.18169E-05	**7122**
7123	0.000106967	0.000113404	4.29209E-05	9.55837E-05	7.54491E-05	0.00010548	0.000111816	3.80699E-05	9.55837E-05	6.90536E-05	**7123**
7124	0.000105829	0.000111831	4.61135E-05	9.26898E-05	6.21708E-05	0.000103218	0.000109163	3.99738E-05	9.26898E-05	5.83783E-05	**7124**
7125	9.99095E-05	0.000105439	4.48919E-05	8.60059E-05	5.32273E-05	9.66594E-05	0.000102121	3.85512E-05	8.60059E-05	5.06693E-05	**7125**
7126	9.41928E-05	9.96086E-05	4.031E-05	7.84651E-05	4.6845E-05	9.01064E-05	9.53074E-05	3.47718E-05	7.84651E-05	4.56028E-05	**7126**
7127	8.39488E-05	8.89758E-05	3.39344E-05	7.08807E-05	4.57652E-05	8.08941E-05	8.57E-05	2.97637E-05	7.08807E-05	4.45098E-05	**7127**
7128	7.61958E-05	8.11526E-05	2.68796E-05	6.63454E-05	4.51943E-05	7.4644E-05	7.93504E-05	2.4573E-05	6.63454E-05	4.39379E-05	**7128**
7129	6.62328E-05	7.09091E-05	1.97072E-05	5.90367E-05	4.54031E-05	6.57928E-05	7.01899E-05	1.90117E-05	5.90367E-05	4.41496E-05	**7129**
7130	6.42515E-05	6.90085E-05	1.69239E-05	5.84752E-05	4.61466E-05	6.45437E-05	6.90048E-05	1.70812E-05	5.84752E-05	4.49225E-05	**7130**
7131	6.52251E-05	7.01487E-05	1.62397E-05	6.05655E-05	4.8087E-05	6.61402E-05	7.07717E-05	1.68648E-05	6.05655E-05	4.69236E-05	**7131**
7132	6.91642E-05	7.44277E-05	1.67968E-05	6.52401E-05	5.10029E-05	7.06272E-05	7.55992E-05	1.77294E-05	6.52401E-05	4.99151E-05	**7132**
7133	7.64803E-05	8.22514E-05	1.90619E-05	7.23915E-05	5.48268E-05	7.81721E-05	8.36439E-05	1.99562E-05	7.23915E-05	5.38196E-05	**7133**
7134	8.34695E-05	8.96476E-05	2.20019E-05	7.84875E-05	5.55435E-05	8.49858E-05	9.08576E-05	2.25155E-05	7.84875E-05	5.45056E-05	**7134**
7135	8.47545E-05	9.07304E-05	2.52994E-05	8.11114E-05	0.000101517	8.66969E-05	9.24933E-05	2.50275E-05	8.11114E-05	9.29674E-05	**7135**

7136	7.944E-05	8.48119E-05	2.59932E-05	7.79124E-05	0.000100417	8.193E-05	8.72589E-05	2.52358E-05	7.79124E-05	9.17867E-05	7136
7137	7.50131E-05	7.99564E-05	2.58312E-05	7.28409E-05	0.000100906	7.69322E-05	8.18481E-05	2.46315E-05	7.28409E-05	9.22535E-05	7137
7138	7.36148E-05	7.83602E-05	2.64011E-05	7.07025E-05	0.000101242	7.50618E-05	7.97865E-05	2.47955E-05	7.07025E-05	9.25672E-05	7138
7139	7.26284E-05	7.72302E-05	2.68436E-05	6.88795E-05	0.000102015	7.35974E-05	7.8176E-05	2.48853E-05	6.88795E-05	9.33363E-05	7139
7140	7.19985E-05	7.6602E-05	2.61981E-05	6.84809E-05	9.53494E-05	7.30819E-05	7.76571E-05	2.4406E-05	6.84809E-05	8.79301E-05	7140
7141	7.34548E-05	7.81902E-05	2.63412E-05	6.97356E-05	9.50353E-05	7.45323E-05	7.92258E-05	2.45971E-05	6.97356E-05	8.76031E-05	7141
7142	7.48077E-05	7.97348E-05	2.57864E-05	7.13702E-05	9.33751E-05	7.61463E-05	8.10139E-05	2.43597E-05	7.13702E-05	8.59058E-05	7142
7143	7.81124E-05	8.33362E-05	2.614E-05	7.48499E-05	9.79042E-05	7.97205E-05	8.48709E-05	2.49253E-05	7.48499E-05	8.91115E-05	7143
7144	8.43646E-05	9.00511E-05	2.77884E-05	8.06537E-05	9.47903E-05	8.60525E-05	9.16438E-05	2.65666E-05	8.06537E-05	8.59281E-05	7144
7145	9.22458E-05	9.8524E-05	2.97828E-05	8.71623E-05	9.23225E-05	9.36771E-05	9.98096E-05	2.84334E-05	8.71623E-05	8.34197E-05	7145
7146	9.99717E-05	0.000106508	3.49354E-05	9.21943E-05	9.08702E-05	0.000100287	0.000106674	3.23385E-05	9.21943E-05	8.19513E-05	7146
7147	0.000106619	0.000113028	4.28477E-05	9.51769E-05	7.55385E-05	0.000105088	0.000111396	3.79773E-05	9.51769E-05	6.91402E-05	7147
7148	0.000105298	0.000111258	4.60062E-05	9.20979E-05	6.22759E-05	0.000102634	0.000108536	3.98406E-05	9.20979E-05	5.84809E-05	7148
7149	0.000100853	0.000106484	4.48375E-05	8.55728E-05	5.33783E-05	9.70484E-05	0.000102554	3.84707E-05	8.55728E-05	5.0818E-05	7149
7150	9.36357E-05	9.90074E-05	4.01924E-05	7.78109E-05	4.69911E-05	8.94781E-05	9.46341E-05	3.46226E-05	7.78109E-05	4.57459E-05	7150
7151	8.33384E-05	8.83165E-05	3.38109E-05	7.01991E-05	4.59145E-05	8.02211E-05	8.49782E-05	2.96103E-05	7.01991E-05	4.4656E-05	7151
7152	7.57257E-05	8.06449E-05	2.67831E-05	6.58117E-05	4.54191E-05	7.41218E-05	7.87903E-05	2.44524E-05	6.58117E-05	4.41589E-05	7152
7153	6.62328E-05	7.09091E-05	1.97072E-05	5.90367E-05	4.54031E-05	6.57928E-05	7.01899E-05	1.90117E-05	5.90367E-05	4.41496E-05	7153
7154	6.42515E-05	6.90085E-05	1.69239E-05	5.84752E-05	4.61466E-05	6.45437E-05	6.90048E-05	1.70812E-05	5.84752E-05	4.49225E-05	7154
7155	6.52251E-05	7.01487E-05	1.62397E-05	6.05655E-05	4.8087E-05	6.61402E-05	7.07717E-05	1.68648E-05	6.05655E-05	4.69236E-05	7155
7156	6.91642E-05	7.44277E-05	1.67968E-05	6.52401E-05	5.10029E-05	7.06272E-05	7.55992E-05	1.77294E-05	6.52401E-05	4.99151E-05	7156
7157	7.64803E-05	8.22514E-05	1.90619E-05	7.23915E-05	5.48268E-05	7.81721E-05	8.36439E-05	1.99562E-05	7.23915E-05	5.38196E-05	7157
7158	8.34695E-05	8.96476E-05	2.20019E-05	7.84875E-05	5.55435E-05	8.49858E-05	9.08576E-05	2.25155E-05	7.84875E-05	5.45056E-05	7158
7159	8.47545E-05	9.07304E-05	2.52994E-05	8.11114E-05	0.000101517	8.66969E-05	9.24933E-05	2.50275E-05	8.11114E-05	9.29674E-05	7159
7160	7.944E-05	8.48119E-05	2.59932E-05	7.79124E-05	0.000100417	8.193E-05	8.72589E-05	2.52358E-05	7.79124E-05	9.17867E-05	7160
7161	7.50131E-05	7.99564E-05	2.58312E-05	7.28409E-05	0.000100906	7.69322E-05	8.18481E-05	2.46315E-05	7.28409E-05	9.22535E-05	7161
7162	7.36148E-05	7.83602E-05	2.64011E-05	7.07025E-05	0.000101242	7.50618E-05	7.97865E-05	2.47955E-05	7.07025E-05	9.25672E-05	7162
7163	7.26284E-05	7.72302E-05	2.68436E-05	6.88795E-05	0.000102015	7.35974E-05	7.8176E-05	2.48853E-05	6.88795E-05	9.33363E-05	7163
7164	7.19985E-05	7.6602E-05	2.61981E-05	6.84809E-05	9.53494E-05	7.30819E-05	7.76571E-05	2.4406E-05	6.84809E-05	8.79301E-05	7164
7165	7.34548E-05	7.81902E-05	2.63412E-05	6.97356E-05	9.50353E-05	7.45323E-05	7.92258E-05	2.45971E-05	6.97356E-05	8.76031E-05	7165
7166	7.48077E-05	7.97348E-05	2.57864E-05	7.13702E-05	9.33751E-05	7.61463E-05	8.10139E-05	2.43597E-05	7.13702E-05	8.59058E-05	7166
7167	7.81124E-05	8.33362E-05	2.614E-05	7.48499E-05	9.79042E-05	7.97205E-05	8.48709E-05	2.49253E-05	7.48499E-05	8.91115E-05	7167
7168	8.43646E-05	9.00511E-05	2.77884E-05	8.06537E-05	9.47903E-05	8.60525E-05	9.16438E-05	2.65666E-05	8.06537E-05	8.59281E-05	7168
7169	9.22458E-05	9.8524E-05	2.97828E-05	8.71623E-05	9.23225E-05	9.36771E-05	9.98096E-05	2.84334E-05	8.71623E-05	8.34197E-05	7169
7170	9.99717E-05	0.000106508	3.49354E-05	9.21943E-05	9.08702E-05	0.000100287	0.000106674	3.23385E-05	9.21943E-05	8.19513E-05	7170
7171	0.000106619	0.000113028	4.28477E-05	9.51769E-05	7.55385E-05	0.000105088	0.000111396	3.79773E-05	9.51769E-05	6.91402E-05	7171
7172	0.000105298	0.000111258	4.60062E-05	9.20979E-05	6.22759E-05	0.000102634	0.000108536	3.98406E-05	9.20979E-05	5.84809E-05	7172
7173	0.000100853	0.000106484	4.48375E-05	8.55728E-05	5.33783E-05	9.70484E-05	0.000102554	3.84707E-05	8.55728E-05	5.0818E-05	7173
7174	9.36357E-05	9.90074E-05	4.01924E-05	7.78109E-05	4.69911E-05	8.94781E-05	9.46341E-05	3.46226E-05	7.78109E-05	4.57459E-05	7174
7175	8.33384E-05	8.83165E-05	3.38109E-05	7.01991E-05	4.59145E-05	8.02211E-05	8.49782E-05	2.96103E-05	7.01991E-05	4.4656E-05	7175
7176	7.57257E-05	8.06449E-05	2.67831E-05	6.58117E-05	4.54191E-05	7.41218E-05	7.87903E-05	2.44524E-05	6.58117E-05	4.41589E-05	7176
7177	6.62328E-05	7.09091E-05	1.97072E-05	5.90367E-05	4.54031E-05	6.57928E-05	7.01899E-05	1.90117E-05	5.90367E-05	4.41496E-05	7177
7178	6.42515E-05	6.90085E-05	1.69239E-05	5.84752E-05	4.61466E-05	6.45437E-05	6.90048E-05	1.70812E-05	5.84752E-05	4.49225E-05	7178
7179	6.52251E-05	7.01487E-05	1.62397E-05	6.05655E-05	4.8087E-05	6.61402E-05	7.07717E-05	1.68648E-05	6.05655E-05	4.69236E-05	7179
7180	6.91642E-05	7.44277E-05	1.67968E-05	6.52401E-05	5.10029E-05	7.06272E-05	7.55992E-05	1.77294E-05	6.52401E-05	4.99151E-05	7180
7181	7.64803E-05	8.22514E-05	1.90619E-05	7.23915E-05	5.48268E-05	7.81721E-05	8.36439E-05	1.99562E-05	7.23915E-05	5.38196E-05	7181
7182	8.34695E-05	8.96476E-05	2.20019E-05	7.84875E-05	5.55435E-05	8.49858E-05	9.08576E-05	2.25155E-05	7.84875E-05	5.45056E-05	7182
7183	8.47545E-05	9.07304E-05	2.52994E-05	8.11114E-05	0.000101517	8.66969E-05	9.24933E-05	2.50275E-05	8.11114E-05	9.29674E-05	7183
7184	7.944E-05	8.48119E-05	2.59932E-05	7.79124E-05	0.000100417	8.193E-05	8.72589E-05	2.52358E-05	7.79124E-05	9.17867E-05	7184
7185	7.50131E-05	7.99564E-05	2.58312E-05	7.28409E-05	0.000100906	7.69322E-05	8.18481E-05	2.46315E-05	7.28409E-05	9.22535E-05	7185
7186	7.36148E-05	7.83602E-05	2.64011E-05	7.07025E-05	0.000101242	7.50618E-05	7.97865E-05	2.47955E-05	7.07025E-05	9.25672E-05	7186
7187	7.26284E-05	7.72302E-05	2.68436E-05	6.88795E-05	0.000102015	7.35974E-05	7.8176E-05	2.48853E-05	6.88795E-05	9.33363E-05	7187
7188	7.19985E-05	7.6602E-05	2.61981E-05	6.84809E-05	9.53494E-05	7.30819E-05	7.76571E-05	2.4406E-05	6.84809E-05	8.79301E-05	7188
7189	7.34548E-05	7.81902E-05	2.63412E-05	6.97356E-05	9.50353E-05	7.45323E-05	7.92258E-05	2.45971E-05	6.97356E-05	8.76031E-05	7189
7190	7.48077E-05	7.97348E-05	2.57864E-05	7.13702E-05	9.33751E-05	7.61463E-05	8.10139E-05	2.43597E-05	7.13702E-05	8.59058E-05	7190
7191	7.81124E-05	8.33362E-05	2.614E-05	7.48499E-05	9.79042E-05	7.97205E-05	8.48709E-05	2.49253E-05	7.48499E-05	8.91115E-05	7191
7192	8.43646E-05	9.00511E-05	2.77884E-05	8.06537E-05	9.47903E-05	8.60525E-05	9.16438E-05	2.65666E-05	8.06537E-05	8.59281E-05	7192
7193	9.22458E-05	9.8524E-05	2.97828E-05	8.71623E-05	9.23225E-05	9.36771E-05	9.98096E-05	2.84334E-05	8.71623E-05	8.34197E-05	7193
7194	9.99717E-05	0.000106508	3.49354E-05	9.21943E-05	9.08702E-05	0.000100287	0.000106674	3.23385E-05	9.21943E-05	8.19513E-05	7194
7195	0.000106619	0.000113028	4.28477E-05	9.51769E-05	7.55385E-05	0.000105088	0.000111396	3.79773E-05	9.51769E-05	6.91402E-05	7195
7196	0.000105298	0.000111258	4.60062E-05	9.20979E-05	6.22759E-05	0.000102634	0.000108536	3.98406E-05	9.20979E-05	5.84809E-05	7196
7197	0.000100853	0.000106484	4.48375E-05	8.55728E-05	5.33783E-05	9.70484E-05	0.000102554	3.84707E-05	8.55728E-05	5.0818E-05	7197
7198	9.36357E-05	9.90074E-05	4.01924E-05	7.78109E-05	4.69911E-05	8.94781E-05	9.46341E-05	3.46226E-05	7.78109E-05	4.57459E-05	7198
7199	8.33384E-05	8.83165E-05	3.38109E-05	7.01991E-05	4.59145E-05	8.02211E-05	8.49782E-05	2.96103E-05	7.01991E-05	4.4656E-05	7199
7200	7.57257E-05	8.06449E-05	2.67831E-05	6.58117E-05	4.54191E-05	7.41218E-05	7.87903E-05	2.44524E-05	6.58117E-05	4.41589E-05	7200
7201	6.62328E-05	7.09091E-05	1.97072E-05	5.90367E-05	4.54031E-05	6.57928E-05	7.01899E-05	1.90117E-05	5.90367E-05	4.41496E-05	7201
7202	6.42515E-05	6.90085E-05	1.69239E-05	5.84752E-05	4.61466E-05	6.45437E-05	6.90048E-05	1.70812E-05	5.84752E-05	4.49225E-05	7202
7203	6.52251E-05	7.01487E-05	1.62397E-05	6.05655E-05	4.8087E-05	6.61402E-05	7.07717E-05	1.68648E-05	6.05655E-05	4.69236E-05	7203
7204	6.91642E-05	7.44277E-05	1.67968E-05	6.52401E-05	5.10029E-05	7.06272E-05	7.55992E-05	1.77294E-05	6.52401E-05	4.99151E-05	7204
7205	7.64803E-05	8.22514E-05	1.90619E-05	7.23915E-05	5.48268E-05	7.81721E-05	8.36439E-05	1.99562E-05	7.23915E-05	5.38196E-05	7205
7206	8.34695E-05	8.96476E-05	2.20019E-05	7.84875E-05	5.55435E-05	8.49858E-05	9.08576E-05	2.25155E-05	7.84875E-05	5.45056E-05	7206
7207	8.47545E-05	9.07304E-05	2.52994E-05	8.11114E-05	0.000101517	8.66969E-05	9.24933E-05	2.50275E-05	8.11114E-05	9.29674E-05	7207
7208	7.944E-05	8.48119E-05	2.59932E-05	7.79124E-05	0.000100417	8.193E-05	8.72589E-05	2.52358E-05	7.79124E-05	9.17867E-05	7208
7209	7.50131E-05	7.99564E-05	2.58312E-05	7.28409E-05	0.000100906	7.69322E-05	8.18481E-05	2.46315E-05	7.28409E-05	9.22535E-05	7209
7210	7.36148E-05	7.83602E-05	2.64011E-05	7.07025E-05	0.000101242	7.50618E-05	7.97865E-05	2.47955E-05	7.07025E-05	9.25672E-05	7210
7211	7.26284E-05	7.72302E-05	2.68436E-05	6.88795E-05	0.000102015	7.35974E-05	7.8176E-05	2.48853E-05	6.88795E-05	9.33363E-05	7211

7212	7.19985E-05	7.6602E-05	2.61981E-05	6.84809E-05	9.53494E-05	7.30819E-05	7.76571E-05	2.4406E-05	6.84809E-05	8.79301E-05	7212
7213	7.34548E-05	7.81902E-05	2.63412E-05	6.97356E-05	9.50353E-05	7.45323E-05	7.92258E-05	2.45971E-05	6.97356E-05	8.76031E-05	7213
7214	7.48077E-05	7.97348E-05	2.57864E-05	7.13702E-05	9.33751E-05	7.61463E-05	8.10139E-05	2.43597E-05	7.13702E-05	8.59058E-05	7214
7215	7.81124E-05	8.33362E-05	2.614E-05	7.48499E-05	9.79042E-05	7.97205E-05	8.48709E-05	2.49253E-05	7.48499E-05	8.91115E-05	7215
7216	8.43646E-05	9.00511E-05	2.77884E-05	8.06537E-05	9.47903E-05	8.60525E-05	9.16438E-05	2.65666E-05	8.06537E-05	8.59281E-05	7216
7217	9.22458E-05	9.8524E-05	2.97828E-05	8.71623E-05	9.23225E-05	9.36771E-05	9.98096E-05	2.84334E-05	8.71623E-05	8.34197E-05	7217
7218	9.99717E-05	0.000106508	3.49354E-05	9.21943E-05	9.08702E-05	0.000100287	0.000106674	3.23385E-05	9.21943E-05	8.19513E-05	7218
7219	0.000106619	0.000113028	4.28477E-05	9.51769E-05	7.55385E-05	0.000105088	0.000111396	3.79773E-05	9.51769E-05	6.91402E-05	7219
7220	0.000105298	0.000111258	4.60062E-05	9.20979E-05	6.22759E-05	0.000102634	0.000108536	3.98406E-05	9.20979E-05	5.84809E-05	7220
7221	0.000100853	0.000106484	4.48375E-05	8.55728E-05	5.33783E-05	9.70484E-05	0.000102554	3.84707E-05	8.55728E-05	5.0818E-05	7221
7222	9.36357E-05	9.90074E-05	4.01924E-05	7.78109E-05	4.69911E-05	8.94781E-05	9.46341E-05	3.46226E-05	7.78109E-05	4.57459E-05	7222
7223	8.33384E-05	8.83165E-05	3.38109E-05	7.01991E-05	4.59145E-05	8.02211E-05	8.49782E-05	2.96103E-05	7.01991E-05	4.4656E-05	7223
7224	7.57257E-05	8.06449E-05	2.67831E-05	6.58117E-05	4.54191E-05	7.41218E-05	7.87903E-05	2.44524E-05	6.58117E-05	4.41589E-05	7224
7225	6.62328E-05	7.09091E-05	1.97072E-05	5.90367E-05	4.54031E-05	6.57928E-05	7.01899E-05	1.90117E-05	5.90367E-05	4.41496E-05	7225
7226	6.42515E-05	6.90085E-05	1.69239E-05	5.84752E-05	4.61466E-05	6.45437E-05	6.90048E-05	1.70812E-05	5.84752E-05	4.49225E-05	7226
7227	6.52251E-05	7.01487E-05	1.62397E-05	6.05655E-05	4.8087E-05	6.61402E-05	7.07717E-05	1.68648E-05	6.05655E-05	4.69236E-05	7227
7228	6.91642E-05	7.44277E-05	1.67968E-05	6.52401E-05	5.10029E-05	7.06272E-05	7.55992E-05	1.77294E-05	6.52401E-05	4.99151E-05	7228
7229	7.64803E-05	8.22514E-05	1.90619E-05	7.23915E-05	5.48268E-05	7.81721E-05	8.36439E-05	1.99562E-05	7.23915E-05	5.38196E-05	7229
7230	8.34695E-05	8.96476E-05	2.20019E-05	7.84875E-05	5.55435E-05	8.49858E-05	9.08576E-05	2.25155E-05	7.84875E-05	5.45056E-05	7230
7231	8.47545E-05	9.07304E-05	2.52994E-05	8.11114E-05	0.000101517	8.66969E-05	9.24933E-05	2.50275E-05	8.11114E-05	9.29674E-05	7231
7232	7.944E-05	8.48119E-05	2.59932E-05	7.79124E-05	0.000100417	8.193E-05	8.72589E-05	2.52358E-05	7.79124E-05	9.17867E-05	7232
7233	7.50131E-05	7.99564E-05	2.58312E-05	7.28409E-05	0.000100906	7.69322E-05	8.18481E-05	2.46315E-05	7.28409E-05	9.22535E-05	7233
7234	7.36148E-05	7.83602E-05	2.64011E-05	7.07025E-05	0.000101242	7.50618E-05	7.97865E-05	2.47955E-05	7.07025E-05	9.25672E-05	7234
7235	7.26284E-05	7.72302E-05	2.68436E-05	6.88795E-05	0.000102015	7.35974E-05	7.8176E-05	2.48853E-05	6.88795E-05	9.33363E-05	7235
7236	7.19985E-05	7.6602E-05	2.61981E-05	6.84809E-05	9.53494E-05	7.30819E-05	7.76571E-05	2.4406E-05	6.84809E-05	8.79301E-05	7236
7237	7.34548E-05	7.81902E-05	2.63412E-05	6.97356E-05	9.50353E-05	7.45323E-05	7.92258E-05	2.45971E-05	6.97356E-05	8.76031E-05	7237
7238	7.48077E-05	7.97348E-05	2.57864E-05	7.13702E-05	9.33751E-05	7.61463E-05	8.10139E-05	2.43597E-05	7.13702E-05	8.59058E-05	7238
7239	7.81124E-05	8.33362E-05	2.614E-05	7.48499E-05	9.79042E-05	7.97205E-05	8.48709E-05	2.49253E-05	7.48499E-05	8.91115E-05	7239
7240	8.43646E-05	9.00511E-05	2.77884E-05	8.06537E-05	9.47903E-05	8.60525E-05	9.16438E-05	2.65666E-05	8.06537E-05	8.59281E-05	7240
7241	9.22458E-05	9.8524E-05	2.97828E-05	8.71623E-05	9.23225E-05	9.36771E-05	9.98096E-05	2.84334E-05	8.71623E-05	8.34197E-05	7241
7242	9.99717E-05	0.000106508	3.49354E-05	9.21943E-05	9.08702E-05	0.000100287	0.000106674	3.23385E-05	9.21943E-05	8.19513E-05	7242
7243	0.000106619	0.000113028	4.28477E-05	9.51769E-05	7.55385E-05	0.000105088	0.000111396	3.79773E-05	9.51769E-05	6.91402E-05	7243
7244	0.000105298	0.000111258	4.60062E-05	9.20979E-05	6.22759E-05	0.000102634	0.000108536	3.98406E-05	9.20979E-05	5.84809E-05	7244
7245	0.000100853	0.000106484	4.48375E-05	8.55728E-05	5.33783E-05	9.70484E-05	0.000102554	3.84707E-05	8.55728E-05	5.0818E-05	7245
7246	9.36357E-05	9.90074E-05	4.01924E-05	7.78109E-05	4.69911E-05	8.94781E-05	9.46341E-05	3.46226E-05	7.78109E-05	4.57459E-05	7246
7247	8.33384E-05	8.83165E-05	3.38109E-05	7.01991E-05	4.59145E-05	8.02211E-05	8.49782E-05	2.96103E-05	7.01991E-05	4.4656E-05	7247
7248	7.57257E-05	8.06449E-05	2.67831E-05	6.58117E-05	4.54191E-05	7.41218E-05	7.87903E-05	2.44524E-05	6.58117E-05	4.41589E-05	7248
7249	6.61129E-05	7.07788E-05	1.96901E-05	5.8949E-05	4.56677E-05	6.56809E-05	7.0069E-05	1.89948E-05	5.8949E-05	4.44113E-05	7249
7250	6.42582E-05	6.90154E-05	1.69282E-05	5.85019E-05	4.64562E-05	6.45594E-05	6.90214E-05	1.70884E-05	5.85019E-05	4.52298E-05	7250
7251	6.5177E-05	7.00969E-05	1.62273E-05	6.04945E-05	4.84003E-05	6.60795E-05	7.07069E-05	1.68477E-05	6.04945E-05	4.72351E-05	7251
7252	6.9146E-05	7.44085E-05	1.67885E-05	6.51904E-05	5.1376E-05	7.05942E-05	7.55643E-05	1.77164E-05	6.51904E-05	5.02892E-05	7252
7253	7.64227E-05	8.21904E-05	1.90383E-05	7.22499E-05	5.51938E-05	7.80747E-05	8.35408E-05	1.99196E-05	7.22499E-05	5.41883E-05	7253
7254	8.3427E-05	8.96024E-05	2.19871E-05	7.83994E-05	5.59176E-05	8.49212E-05	9.07889E-05	2.24932E-05	7.83994E-05	5.48825E-05	7254
7255	8.63803E-05	9.25109E-05	2.5385E-05	8.14525E-05	0.000101792	8.78433E-05	9.37387E-05	2.51219E-05	8.14525E-05	9.32466E-05	7255
7256	7.99882E-05	8.54038E-05	2.61074E-05	7.85457E-05	0.000100634	8.25438E-05	8.79168E-05	2.53796E-05	7.85457E-05	9.2008E-05	7256
7257	7.61395E-05	8.11719E-05	2.60711E-05	7.41762E-05	0.000100973	7.82081E-05	8.32153E-05	2.49368E-05	7.41762E-05	9.23241E-05	7257
7258	7.48037E-05	7.96432E-05	2.66539E-05	7.21096E-05	0.000101236	7.64076E-05	8.12285E-05	2.51171E-05	7.21096E-05	9.25666E-05	7258
7259	7.37069E-05	7.83941E-05	2.70732E-05	7.0157E-05	0.000101934	7.48187E-05	7.94846E-05	2.51773E-05	7.0157E-05	9.32623E-05	7259
7260	7.29292E-05	7.76079E-05	2.63805E-05	6.94817E-05	9.52863E-05	7.40912E-05	7.87403E-05	2.46288E-05	6.94817E-05	8.78745E-05	7260
7261	7.42243E-05	7.90225E-05	2.64856E-05	7.05213E-05	9.49709E-05	7.53485E-05	8.01025E-05	2.47693E-05	7.05213E-05	8.75476E-05	7261
7262	7.54789E-05	8.04606E-05	2.59142E-05	7.20677E-05	9.32612E-05	7.68635E-05	8.17841E-05	2.45134E-05	7.20677E-05	8.57993E-05	7262
7263	7.897E-05	8.42633E-05	2.6306E-05	7.57589E-05	9.77453E-05	8.06448E-05	8.58631E-05	2.51268E-05	7.57589E-05	8.89578E-05	7263
7264	8.52432E-05	9.10007E-05	2.79607E-05	8.15994E-05	9.4621E-05	8.70058E-05	9.26669E-05	2.67772E-05	8.15994E-05	8.57625E-05	7264
7265	9.29287E-05	9.92622E-05	2.99151E-05	8.78869E-05	9.21692E-05	9.44135E-05	0.0001006	2.85941E-05	8.78869E-05	8.32697E-05	7265
7266	0.000100549	0.000107133	3.505E-05	9.28242E-05	9.07331E-05	0.000100917	0.00010735	3.24794E-05	9.28242E-05	8.18169E-05	7266
7267	0.000106967	0.000113404	4.29209E-05	9.55837E-05	7.54491E-05	0.00010548	0.000111816	3.80699E-05	9.55837E-05	6.90536E-05	7267
7268	0.000105829	0.000111831	4.61135E-05	9.26898E-05	6.21708E-05	0.000103218	0.000109163	3.99738E-05	9.26898E-05	5.83783E-05	7268
7269	9.99095E-05	0.000105439	4.48919E-05	8.60059E-05	5.32273E-05	9.66594E-05	0.000102121	3.85512E-05	8.60059E-05	5.06693E-05	7269
7270	9.41928E-05	9.96086E-05	4.031E-05	7.84651E-05	4.6845E-05	9.01064E-05	9.53074E-05	3.47718E-05	7.84651E-05	4.56028E-05	7270
7271	8.39488E-05	8.89758E-05	3.39344E-05	7.08807E-05	4.57652E-05	8.08941E-05	8.57E-05	2.97637E-05	7.08807E-05	4.45098E-05	7271
7272	7.61958E-05	8.11526E-05	2.68796E-05	6.63454E-05	4.51943E-05	7.4644E-05	7.93504E-05	2.4573E-05	6.63454E-05	4.39379E-05	7272
7273	6.61129E-05	7.07788E-05	1.96901E-05	5.8949E-05	4.56677E-05	6.56809E-05	7.0069E-05	1.89948E-05	5.8949E-05	4.44113E-05	7273
7274	6.42582E-05	6.90154E-05	1.69282E-05	5.85019E-05	4.64562E-05	6.45594E-05	6.90214E-05	1.70884E-05	5.85019E-05	4.52298E-05	7274
7275	6.5177E-05	7.00969E-05	1.62273E-05	6.04945E-05	4.84003E-05	6.60795E-05	7.07069E-05	1.68477E-05	6.04945E-05	4.72351E-05	7275
7276	6.9146E-05	7.44085E-05	1.67885E-05	6.51904E-05	5.1376E-05	7.05942E-05	7.55643E-05	1.77164E-05	6.51904E-05	5.02892E-05	7276
7277	7.64227E-05	8.21904E-05	1.90383E-05	7.22499E-05	5.51938E-05	7.80747E-05	8.35408E-05	1.99196E-05	7.22499E-05	5.41883E-05	7277
7278	8.3427E-05	8.96024E-05	2.19871E-05	7.83994E-05	5.59176E-05	8.49212E-05	9.07889E-05	2.24932E-05	7.83994E-05	5.48825E-05	7278
7279	8.63803E-05	9.25109E-05	2.5385E-05	8.14525E-05	0.000101792	8.78433E-05	9.37387E-05	2.51219E-05	8.14525E-05	9.32466E-05	7279
7280	7.99882E-05	8.54038E-05	2.61074E-05	7.85457E-05	0.000100634	8.25438E-05	8.79168E-05	2.53796E-05	7.85457E-05	9.2008E-05	7280
7281	7.61395E-05	8.11719E-05	2.60711E-05	7.41762E-05	0.000100973	7.82081E-05	8.32153E-05	2.49368E-05	7.41762E-05	9.23241E-05	7281
7282	7.48037E-05	7.96432E-05	2.66539E-05	7.21096E-05	0.000101236	7.64076E-05	8.12285E-05	2.51171E-05	7.21096E-05	9.25666E-05	7282
7283	7.37069E-05	7.83941E-05	2.70732E-05	7.0157E-05	0.000101934	7.48187E-05	7.94846E-05	2.51773E-05	7.0157E-05	9.32623E-05	7283
7284	7.29292E-05	7.76079E-05	2.63805E-05	6.94817E-05	9.52863E-05	7.40912E-05	7.87403E-05	2.46288E-05	6.94817E-05	8.78745E-05	7284
7285	7.42243E-05	7.90225E-05	2.64856E-05	7.05213E-05	9.49709E-05	7.53485E-05	8.01025E-05	2.47693E-05	7.05213E-05	8.75476E-05	7285
7286	7.54789E-05	8.04606E-05	2.59142E-05	7.20677E-05	9.32612E-05	7.68635E-05	8.17841E-05	2.45134E-05	7.20677E-05	8.57993E-05	7286
7287	7.897E-05	8.42633E-05	2.6306E-05	7.57589E-05	9.77453E-05	8.06448E-05	8.58631E-05	2.51268E-05	7.57589E-05	8.89578E-05	7287

7288	8.52432E-05	9.10007E-05	2.79607E-05	8.15994E-05	9.4621E-05	8.70058E-05	9.26669E-05	2.67772E-05	8.15994E-05	8.57625E-05	**7288**
7289	9.29287E-05	9.92622E-05	2.99151E-05	8.78869E-05	9.21692E-05	9.44135E-05	0.0001006	2.85941E-05	8.78869E-05	8.32697E-05	**7289**
7290	0.000100549	0.000107133	3.505E-05	9.28242E-05	9.07331E-05	0.000100917	0.00010735	3.24794E-05	9.28242E-05	8.18169E-05	**7290**
7291	0.000106967	0.000113404	4.29209E-05	9.55837E-05	7.54491E-05	0.00010548	0.000111816	3.80699E-05	9.55837E-05	6.90536E-05	**7291**
7292	0.000105829	0.000111831	4.61135E-05	9.26898E-05	6.21708E-05	0.000103218	0.000109163	3.99738E-05	9.26898E-05	5.83783E-05	**7292**
7293	9.99095E-05	0.000105439	4.48919E-05	8.60059E-05	5.32273E-05	9.66594E-05	0.000102121	3.85512E-05	8.60059E-05	5.06693E-05	**7293**
7294	9.41928E-05	9.96086E-05	4.031E-05	7.84651E-05	4.6845E-05	9.01064E-05	9.53074E-05	3.47718E-05	7.84651E-05	4.56028E-05	**7294**
7295	8.39488E-05	8.89758E-05	3.39344E-05	7.08807E-05	4.57652E-05	8.08941E-05	8.57E-05	2.97637E-05	7.08807E-05	4.45098E-05	**7295**
7296	7.61958E-05	8.11526E-05	2.68796E-05	6.63454E-05	4.51943E-05	7.4644E-05	7.93504E-05	2.4573E-05	6.63454E-05	4.39379E-05	**7296**
7297	6.62328E-05	7.09091E-05	1.97072E-05	5.90367E-05	4.54031E-05	6.57928E-05	7.01899E-05	1.90117E-05	5.90367E-05	4.41496E-05	**7297**
7298	6.42515E-05	6.90085E-05	1.69239E-05	5.84752E-05	4.61466E-05	6.45437E-05	6.90048E-05	1.70812E-05	5.84752E-05	4.49225E-05	**7298**
7299	6.52251E-05	7.01487E-05	1.62397E-05	6.05655E-05	4.8087E-05	6.61402E-05	7.07717E-05	1.68648E-05	6.05655E-05	4.69236E-05	**7299**
7300	6.91642E-05	7.44277E-05	1.67968E-05	6.52401E-05	5.10029E-05	7.06272E-05	7.55992E-05	1.77294E-05	6.52401E-05	4.99151E-05	**7300**
7301	7.64803E-05	8.22514E-05	1.90619E-05	7.23915E-05	5.48268E-05	7.81721E-05	8.36439E-05	1.99562E-05	7.23915E-05	5.38196E-05	**7301**
7302	8.34695E-05	8.96476E-05	2.20019E-05	7.84875E-05	5.55435E-05	8.49858E-05	9.08576E-05	2.25155E-05	7.84875E-05	5.45056E-05	**7302**
7303	8.47545E-05	9.07304E-05	2.52994E-05	8.11114E-05	0.000101517	8.66969E-05	9.24933E-05	2.50275E-05	8.11114E-05	9.29674E-05	**7303**
7304	7.944E-05	8.48119E-05	2.59932E-05	7.79124E-05	0.000100417	8.193E-05	8.72589E-05	2.52358E-05	7.79124E-05	9.17867E-05	**7304**
7305	7.50131E-05	7.99564E-05	2.58312E-05	7.28409E-05	0.000100906	7.69322E-05	8.18481E-05	2.46315E-05	7.28409E-05	9.22535E-05	**7305**
7306	7.36148E-05	7.83602E-05	2.64011E-05	7.07025E-05	0.000101242	7.50618E-05	7.97865E-05	2.47955E-05	7.07025E-05	9.25672E-05	**7306**
7307	7.26284E-05	7.72302E-05	2.68436E-05	6.88795E-05	0.000102015	7.35974E-05	7.8176E-05	2.48853E-05	6.88795E-05	9.33363E-05	**7307**
7308	7.19985E-05	7.6602E-05	2.61981E-05	6.84809E-05	9.53494E-05	7.30819E-05	7.76571E-05	2.4406E-05	6.84809E-05	8.79301E-05	**7308**
7309	7.34548E-05	7.81902E-05	2.63412E-05	6.97356E-05	9.50353E-05	7.45323E-05	7.92258E-05	2.45971E-05	6.97356E-05	8.76031E-05	**7309**
7310	7.48077E-05	7.97348E-05	2.57864E-05	7.13702E-05	9.33751E-05	7.61463E-05	8.10139E-05	2.43597E-05	7.13702E-05	8.59058E-05	**7310**
7311	7.81124E-05	8.33362E-05	2.614E-05	7.48499E-05	9.79042E-05	7.97205E-05	8.48709E-05	2.49253E-05	7.48499E-05	8.91115E-05	**7311**
7312	8.43646E-05	9.00511E-05	2.77884E-05	8.06537E-05	9.47903E-05	8.60525E-05	9.16438E-05	2.65666E-05	8.06537E-05	8.59281E-05	**7312**
7313	9.22458E-05	9.8524E-05	2.97828E-05	8.71623E-05	9.23225E-05	9.36771E-05	9.98096E-05	2.84334E-05	8.71623E-05	8.34197E-05	**7313**
7314	9.99717E-05	0.000106508	3.49354E-05	9.21943E-05	9.08702E-05	0.000100287	0.000106674	3.23385E-05	9.21943E-05	8.19513E-05	**7314**
7315	0.000106619	0.000113028	4.28477E-05	9.51769E-05	7.55385E-05	0.000105088	0.000111396	3.79773E-05	9.51769E-05	6.91402E-05	**7315**
7316	0.000105298	0.000111258	4.60062E-05	9.20979E-05	6.22759E-05	0.000102634	0.000108536	3.98406E-05	9.20979E-05	5.84809E-05	**7316**
7317	0.000100853	0.000106484	4.48375E-05	8.55728E-05	5.33783E-05	9.70484E-05	0.000102554	3.84707E-05	8.55728E-05	5.0818E-05	**7317**
7318	9.36357E-05	9.90074E-05	4.01924E-05	7.78109E-05	4.69911E-05	8.94781E-05	9.46341E-05	3.46226E-05	7.78109E-05	4.57459E-05	**7318**
7319	8.33384E-05	8.83165E-05	3.38109E-05	7.01991E-05	4.59145E-05	8.02211E-05	8.49782E-05	2.96103E-05	7.01991E-05	4.4656E-05	**7319**
7320	7.57257E-05	8.06449E-05	2.67831E-05	6.58117E-05	4.54191E-05	7.41218E-05	7.87903E-05	2.44524E-05	6.58117E-05	4.41589E-05	**7320**
7321	7.67915E-05	8.22942E-05	2.20441E-05	7.21244E-05	4.31381E-05	7.8004E-05	8.32645E-05	2.20371E-05	7.21244E-05	4.193E-05	**7321**
7322	7.4335E-05	7.98763E-05	1.92038E-05	7.12865E-05	4.35061E-05	7.63423E-05	8.16324E-05	2.00602E-05	7.12865E-05	4.23123E-05	**7322**
7323	7.37716E-05	7.93564E-05	1.82067E-05	7.16483E-05	4.44542E-05	7.62387E-05	8.1576E-05	1.94541E-05	7.16483E-05	4.32934E-05	**7323**
7324	7.67134E-05	8.25595E-05	1.8549E-05	7.51251E-05	4.6488E-05	7.95892E-05	8.5186E-05	2.0044E-05	7.51251E-05	4.53837E-05	**7324**
7325	8.37037E-05	9.00309E-05	2.07535E-05	8.19473E-05	4.88301E-05	8.67901E-05	9.28612E-05	2.21989E-05	8.19473E-05	4.77865E-05	**7325**
7326	9.25305E-05	9.9417E-05	2.40146E-05	8.97665E-05	4.89286E-05	9.54858E-05	0.000102099	2.51255E-05	8.97665E-05	4.7839E-05	**7326**
7327	9.53525E-05	0.000102161	2.76134E-05	9.40438E-05	9.41393E-05	9.8864E-05	0.000105524	2.80055E-05	9.40438E-05	8.55206E-05	**7327**
7328	9.31134E-05	9.95727E-05	2.88494E-05	9.376E-05	9.25116E-05	9.72607E-05	0.000103692	2.88376E-05	9.376E-05	8.37961E-05	**7328**
7329	9.05285E-05	9.67074E-05	2.90539E-05	9.07049E-05	9.26997E-05	9.42761E-05	0.000100441	2.86845E-05	9.07049E-05	8.39759E-05	**7329**
7330	8.88687E-05	9.48499E-05	2.93601E-05	8.69097E-05	9.29354E-05	9.15189E-05	9.74525E-05	2.83909E-05	8.69097E-05	8.42033E-05	**7330**
7331	8.79438E-05	9.37977E-05	2.97018E-05	8.44218E-05	9.37694E-05	8.98006E-05	9.55826E-05	2.82855E-05	8.44218E-05	8.50433E-05	**7331**
7332	8.61689E-05	9.19424E-05	2.87269E-05	8.21117E-05	8.74906E-05	8.7745E-05	9.34229E-05	2.73367E-05	8.21117E-05	8.00328E-05	**7332**
7333	8.56007E-05	9.1331E-05	2.8589E-05	8.19391E-05	8.79934E-05	8.73286E-05	9.29748E-05	2.72585E-05	8.19391E-05	8.05386E-05	**7333**
7334	8.58479E-05	9.16722E-05	2.79015E-05	8.29285E-05	8.73702E-05	8.7982E-05	9.3722E-05	2.69125E-05	8.29285E-05	7.99E-05	**7334**
7335	8.79784E-05	9.40061E-05	2.80075E-05	8.50323E-05	9.2906E-05	9.02331E-05	9.61611E-05	2.71645E-05	8.50323E-05	8.41415E-05	**7335**
7336	9.44923E-05	0.000101006	2.96838E-05	9.09659E-05	9.04334E-05	9.67824E-05	0.00010317	2.88249E-05	9.09659E-05	8.16085E-05	**7336**
7337	0.000104266	0.000111519	3.21095E-05	9.99013E-05	8.87163E-05	0.000106631	0.000113716	3.12572E-05	9.99013E-05	7.98482E-05	**7337**
7338	0.000113702	0.000121351	3.75949E-05	0.000106757	8.73427E-05	0.000115089	0.000122563	3.55674E-05	0.000106757	7.84444E-05	**7338**
7339	0.00012049	0.000128025	4.55262E-05	0.000109836	7.19947E-05	0.000120018	0.000127424	4.1224E-05	0.000109836	6.56054E-05	**7339**
7340	0.000119915	0.000127058	4.88446E-05	0.000107647	5.92985E-05	0.000118412	0.000125472	4.32913E-05	0.000107647	5.55146E-05	**7340**
7341	0.000117338	0.000124301	4.80634E-05	0.00010327	5.10263E-05	0.000114913	0.000121728	4.24084E-05	0.00010327	4.84889E-05	**7341**
7342	0.00011077	0.000117525	4.35592E-05	9.62952E-05	4.51703E-05	0.000108086	0.000114604	3.87413E-05	9.62952E-05	4.39612E-05	**7342**
7343	9.94149E-05	0.000105686	3.70195E-05	8.78634E-05	4.38967E-05	9.78214E-05	0.000103861	3.3567E-05	8.78634E-05	4.26623E-05	**7343**
7344	9.02589E-05	9.63387E-05	2.9769E-05	8.23323E-05	4.29804E-05	9.02745E-05	9.61102E-05	2.81877E-05	8.23323E-05	4.17287E-05	**7344**
7345	7.67915E-05	8.22942E-05	2.20441E-05	7.21244E-05	4.31381E-05	7.8004E-05	8.32645E-05	2.20371E-05	7.21244E-05	4.193E-05	**7345**
7346	7.4335E-05	7.98763E-05	1.92038E-05	7.12865E-05	4.35061E-05	7.63423E-05	8.16324E-05	2.00602E-05	7.12865E-05	4.23123E-05	**7346**
7347	7.37716E-05	7.93564E-05	1.82067E-05	7.16483E-05	4.44542E-05	7.62387E-05	8.1576E-05	1.94541E-05	7.16483E-05	4.32934E-05	**7347**
7348	7.67134E-05	8.25595E-05	1.8549E-05	7.51251E-05	4.6488E-05	7.95892E-05	8.5186E-05	2.0044E-05	7.51251E-05	4.53837E-05	**7348**
7349	8.37037E-05	9.00309E-05	2.07535E-05	8.19473E-05	4.88301E-05	8.67901E-05	9.28612E-05	2.21989E-05	8.19473E-05	4.77865E-05	**7349**
7350	9.25305E-05	9.9417E-05	2.40146E-05	8.97665E-05	4.89286E-05	9.54858E-05	0.000102099	2.51255E-05	8.97665E-05	4.7839E-05	**7350**
7351	9.53525E-05	0.000102161	2.76134E-05	9.40438E-05	9.41393E-05	9.8864E-05	0.000105524	2.80055E-05	9.40438E-05	8.55206E-05	**7351**
7352	9.31134E-05	9.95727E-05	2.88494E-05	9.376E-05	9.25116E-05	9.72607E-05	0.000103692	2.88376E-05	9.376E-05	8.37961E-05	**7352**
7353	9.05285E-05	9.67074E-05	2.90539E-05	9.07049E-05	9.26997E-05	9.42761E-05	0.000100441	2.86845E-05	9.07049E-05	8.39759E-05	**7353**
7354	8.88687E-05	9.48499E-05	2.93601E-05	8.69097E-05	9.29354E-05	9.15189E-05	9.74525E-05	2.83909E-05	8.69097E-05	8.42033E-05	**7354**
7355	8.79438E-05	9.37977E-05	2.97018E-05	8.44218E-05	9.37694E-05	8.98006E-05	9.55826E-05	2.82855E-05	8.44218E-05	8.50433E-05	**7355**
7356	8.61689E-05	9.19424E-05	2.87269E-05	8.21117E-05	8.74906E-05	8.7745E-05	9.34229E-05	2.73367E-05	8.21117E-05	8.00328E-05	**7356**
7357	8.56007E-05	9.1331E-05	2.8589E-05	8.19391E-05	8.79934E-05	8.73286E-05	9.29748E-05	2.72585E-05	8.19391E-05	8.05386E-05	**7357**
7358	8.58479E-05	9.16722E-05	2.79015E-05	8.29285E-05	8.73702E-05	8.7982E-05	9.3722E-05	2.69125E-05	8.29285E-05	7.99E-05	**7358**
7359	8.79784E-05	9.40061E-05	2.80075E-05	8.50323E-05	9.2906E-05	9.02331E-05	9.61611E-05	2.71645E-05	8.50323E-05	8.41415E-05	**7359**
7360	9.44923E-05	0.000101006	2.96838E-05	9.09659E-05	9.04334E-05	9.67824E-05	0.00010317	2.88249E-05	9.09659E-05	8.16085E-05	**7360**
7361	0.000104266	0.000111519	3.21095E-05	9.99013E-05	8.87163E-05	0.000106631	0.000113716	3.12572E-05	9.99013E-05	7.98482E-05	**7361**
7362	0.000113702	0.000121351	3.75949E-05	0.000106757	8.73427E-05	0.000115089	0.000122563	3.55674E-05	0.000106757	7.84444E-05	**7362**
7363	0.00012049	0.000128025	4.55262E-05	0.000109836	7.19947E-05	0.000120018	0.000127424	4.1224E-05	0.000109836	6.56054E-05	**7363**

7364	0.000119915	0.000127058	4.88446E-05	0.000107647	5.92985E-05	0.000118412	0.000125472	4.32913E-05	0.000107647	5.55146E-05	7364
7365	0.000117338	0.000124301	4.80634E-05	0.00010327	5.10263E-05	0.000114913	0.000121728	4.24084E-05	0.00010327	4.84889E-05	7365
7366	0.00011077	0.000117525	4.35592E-05	9.62952E-05	4.51703E-05	0.000108086	0.000114604	3.87413E-05	9.62952E-05	4.39612E-05	7366
7367	9.94149E-05	0.000105686	3.70195E-05	8.78634E-05	4.38967E-05	9.78214E-05	0.000103861	3.3567E-05	8.78634E-05	4.26623E-05	7367
7368	9.02589E-05	9.63387E-05	2.9769E-05	8.23323E-05	4.29804E-05	9.02745E-05	9.61102E-05	2.81877E-05	8.23323E-05	4.17287E-05	7368
7369	7.67915E-05	8.22942E-05	2.20441E-05	7.21244E-05	4.31381E-05	7.8004E-05	8.32645E-05	2.20371E-05	7.21244E-05	4.193E-05	7369
7370	7.4335E-05	7.98763E-05	1.92038E-05	7.12865E-05	4.35061E-05	7.63423E-05	8.16324E-05	2.00602E-05	7.12865E-05	4.23123E-05	7370
7371	7.37716E-05	7.93564E-05	1.82067E-05	7.16483E-05	4.44542E-05	7.62387E-05	8.1576E-05	1.94541E-05	7.16483E-05	4.32934E-05	7371
7372	7.67134E-05	8.25595E-05	1.8549E-05	7.51251E-05	4.6488E-05	7.95892E-05	8.5186E-05	2.0044E-05	7.51251E-05	4.53837E-05	7372
7373	8.37037E-05	9.00309E-05	2.07535E-05	8.19473E-05	4.88301E-05	8.67901E-05	9.28612E-05	2.21989E-05	8.19473E-05	4.77865E-05	7373
7374	9.25305E-05	9.9417E-05	2.40146E-05	8.97665E-05	4.89286E-05	9.54858E-05	0.000102099	2.51255E-05	8.97665E-05	4.7839E-05	7374
7375	9.53525E-05	0.000102161	2.76134E-05	9.40438E-05	9.41393E-05	9.8864E-05	0.000105524	2.80055E-05	9.40438E-05	8.55206E-05	7375
7376	9.31134E-05	9.95727E-05	2.88494E-05	9.376E-05	9.25116E-05	9.72607E-05	0.000103692	2.88376E-05	9.376E-05	8.37961E-05	7376
7377	9.05285E-05	9.67074E-05	2.90539E-05	9.07049E-05	9.26997E-05	9.42761E-05	0.000100441	2.86845E-05	9.07049E-05	8.39759E-05	7377
7378	8.88687E-05	9.48499E-05	2.93601E-05	8.69097E-05	9.29354E-05	9.15189E-05	9.74525E-05	2.83909E-05	8.69097E-05	8.42033E-05	7378
7379	8.79438E-05	9.37977E-05	2.97018E-05	8.44218E-05	9.37694E-05	8.98006E-05	9.55826E-05	2.82855E-05	8.44218E-05	8.50433E-05	7379
7380	8.61689E-05	9.19424E-05	2.87269E-05	8.21117E-05	8.74906E-05	8.7745E-05	9.34229E-05	2.73367E-05	8.21117E-05	8.00328E-05	7380
7381	8.56007E-05	9.1331E-05	2.8589E-05	8.19391E-05	8.79934E-05	8.73286E-05	9.29748E-05	2.72585E-05	8.19391E-05	8.05386E-05	7381
7382	8.58479E-05	9.16722E-05	2.79015E-05	8.29285E-05	8.73702E-05	8.7982E-05	9.3722E-05	2.69125E-05	8.29285E-05	7.99E-05	7382
7383	8.79784E-05	9.40061E-05	2.80075E-05	8.50323E-05	9.2906E-05	9.02331E-05	9.61611E-05	2.71645E-05	8.50323E-05	8.41415E-05	7383
7384	9.44923E-05	0.000101006	2.96838E-05	9.09659E-05	9.04334E-05	9.67824E-05	0.00010317	2.88249E-05	9.09659E-05	8.16085E-05	7384
7385	0.000104266	0.000111519	3.21095E-05	9.99013E-05	8.87163E-05	0.000106631	0.000113716	3.12572E-05	9.99013E-05	7.98482E-05	7385
7386	0.000113702	0.000121351	3.75949E-05	0.000106757	8.73427E-05	0.000115089	0.000122563	3.55674E-05	0.000106757	7.84444E-05	7386
7387	0.00012049	0.000128025	4.55262E-05	0.000109836	7.19947E-05	0.000120018	0.000127424	4.1224E-05	0.000109836	6.56054E-05	7387
7388	0.000119915	0.000127058	4.88446E-05	0.000107647	5.92985E-05	0.000118412	0.000125472	4.32913E-05	0.000107647	5.55146E-05	7388
7389	0.000117338	0.000124301	4.80634E-05	0.00010327	5.10263E-05	0.000114913	0.000121728	4.24084E-05	0.00010327	4.84889E-05	7389
7390	0.00011077	0.000117525	4.35592E-05	9.62952E-05	4.51703E-05	0.000108086	0.000114604	3.87413E-05	9.62952E-05	4.39612E-05	7390
7391	9.94149E-05	0.000105686	3.70195E-05	8.78634E-05	4.38967E-05	9.78214E-05	0.000103861	3.3567E-05	8.78634E-05	4.26623E-05	7391
7392	9.02589E-05	9.63387E-05	2.9769E-05	8.23323E-05	4.29804E-05	9.02745E-05	9.61102E-05	2.81877E-05	8.23323E-05	4.17287E-05	7392
7393	7.67915E-05	8.22942E-05	2.20441E-05	7.21244E-05	4.31381E-05	7.8004E-05	8.32645E-05	2.20371E-05	7.21244E-05	4.193E-05	7393
7394	7.4335E-05	7.98763E-05	1.92038E-05	7.12865E-05	4.35061E-05	7.63423E-05	8.16324E-05	2.00602E-05	7.12865E-05	4.23123E-05	7394
7395	7.37716E-05	7.93564E-05	1.82067E-05	7.16483E-05	4.44542E-05	7.62387E-05	8.1576E-05	1.94541E-05	7.16483E-05	4.32934E-05	7395
7396	7.67134E-05	8.25595E-05	1.8549E-05	7.51251E-05	4.6488E-05	7.95892E-05	8.5186E-05	2.0044E-05	7.51251E-05	4.53837E-05	7396
7397	8.37037E-05	9.00309E-05	2.07535E-05	8.19473E-05	4.88301E-05	8.67901E-05	9.28612E-05	2.21989E-05	8.19473E-05	4.77865E-05	7397
7398	9.25305E-05	9.9417E-05	2.40146E-05	8.97665E-05	4.89286E-05	9.54858E-05	0.000102099	2.51255E-05	8.97665E-05	4.7839E-05	7398
7399	9.53525E-05	0.000102161	2.76134E-05	9.40438E-05	9.41393E-05	9.8864E-05	0.000105524	2.80055E-05	9.40438E-05	8.55206E-05	7399
7400	9.31134E-05	9.95727E-05	2.88494E-05	9.376E-05	9.25116E-05	9.72607E-05	0.000103692	2.88376E-05	9.376E-05	8.37961E-05	7400
7401	9.05285E-05	9.67074E-05	2.90539E-05	9.07049E-05	9.26997E-05	9.42761E-05	0.000100441	2.86845E-05	9.07049E-05	8.39759E-05	7401
7402	8.88687E-05	9.48499E-05	2.93601E-05	8.69097E-05	9.29354E-05	9.15189E-05	9.74525E-05	2.83909E-05	8.69097E-05	8.42033E-05	7402
7403	8.79438E-05	9.37977E-05	2.97018E-05	8.44218E-05	9.37694E-05	8.98006E-05	9.55826E-05	2.82855E-05	8.44218E-05	8.50433E-05	7403
7404	8.61689E-05	9.19424E-05	2.87269E-05	8.21117E-05	8.74906E-05	8.7745E-05	9.34229E-05	2.73367E-05	8.21117E-05	8.00328E-05	7404
7405	8.56007E-05	9.1331E-05	2.8589E-05	8.19391E-05	8.79934E-05	8.73286E-05	9.29748E-05	2.72585E-05	8.19391E-05	8.05386E-05	7405
7406	8.58479E-05	9.16722E-05	2.79015E-05	8.29285E-05	8.73702E-05	8.7982E-05	9.3722E-05	2.69125E-05	8.29285E-05	7.99E-05	7406
7407	8.79784E-05	9.40061E-05	2.80075E-05	8.50323E-05	9.2906E-05	9.02331E-05	9.61611E-05	2.71645E-05	8.50323E-05	8.41415E-05	7407
7408	9.44923E-05	0.000101006	2.96838E-05	9.09659E-05	9.04334E-05	9.67824E-05	0.00010317	2.88249E-05	9.09659E-05	8.16085E-05	7408
7409	0.000104266	0.000111519	3.21095E-05	9.99013E-05	8.87163E-05	0.000106631	0.000113716	3.12572E-05	9.99013E-05	7.98482E-05	7409
7410	0.000113702	0.000121351	3.75949E-05	0.000106757	8.73427E-05	0.000115089	0.000122563	3.55674E-05	0.000106757	7.84444E-05	7410
7411	0.00012049	0.000128025	4.55262E-05	0.000109836	7.19947E-05	0.000120018	0.000127424	4.1224E-05	0.000109836	6.56054E-05	7411
7412	0.000119915	0.000127058	4.88446E-05	0.000107647	5.92985E-05	0.000118412	0.000125472	4.32913E-05	0.000107647	5.55146E-05	7412
7413	0.000117338	0.000124301	4.80634E-05	0.00010327	5.10263E-05	0.000114913	0.000121728	4.24084E-05	0.00010327	4.84889E-05	7413
7414	0.00011077	0.000117525	4.35592E-05	9.62952E-05	4.51703E-05	0.000108086	0.000114604	3.87413E-05	9.62952E-05	4.39612E-05	7414
7415	9.94149E-05	0.000105686	3.70195E-05	8.78634E-05	4.38967E-05	9.78214E-05	0.000103861	3.3567E-05	8.78634E-05	4.26623E-05	7415
7416	9.02589E-05	9.63387E-05	2.9769E-05	8.23323E-05	4.29804E-05	9.02745E-05	9.61102E-05	2.81877E-05	8.23323E-05	4.17287E-05	7416
7417	7.76756E-05	8.32522E-05	2.21931E-05	7.29183E-05	4.27639E-05	7.88941E-05	8.42226E-05	2.22037E-05	7.29183E-05	4.15423E-05	7417
7418	7.42007E-05	7.97297E-05	1.91918E-05	7.1235E-05	4.35729E-05	7.62374E-05	8.15182E-05	2.00547E-05	7.1235E-05	4.23829E-05	7418
7419	7.36706E-05	7.92459E-05	1.82014E-05	7.16336E-05	4.45534E-05	7.61703E-05	8.1501E-05	1.94568E-05	7.16336E-05	4.33973E-05	7419
7420	7.66408E-05	8.24786E-05	1.85587E-05	7.52023E-05	4.66327E-05	7.95785E-05	8.51717E-05	2.00712E-05	7.52023E-05	4.55342E-05	7420
7421	8.3655E-05	8.99767E-05	2.07585E-05	8.19891E-05	4.90249E-05	8.67785E-05	9.28471E-05	2.22142E-05	8.19891E-05	4.79882E-05	7421
7422	9.23989E-05	9.92742E-05	2.39961E-05	8.96716E-05	4.92335E-05	9.53635E-05	0.000101967	2.51073E-05	8.96716E-05	4.81533E-05	7422
7423	9.66275E-05	0.000103563	2.76284E-05	9.39958E-05	9.46898E-05	9.96248E-05	0.000106356	2.80126E-05	9.39958E-05	8.60869E-05	7423
7424	9.26759E-05	9.90991E-05	2.87705E-05	9.33335E-05	9.33084E-05	9.68054E-05	0.000103203	2.87454E-05	9.33335E-05	8.46144E-05	7424
7425	8.97554E-05	9.58678E-05	2.89422E-05	9.01313E-05	9.34958E-05	9.35507E-05	9.96581E-05	2.85734E-05	9.01313E-05	8.47926E-05	7425
7426	8.77725E-05	9.3663E-05	2.9167E-05	8.58713E-05	9.36894E-05	9.03917E-05	9.62402E-05	2.81688E-05	8.58713E-05	8.49755E-05	7426
7427	8.65498E-05	9.22877E-05	2.94623E-05	8.31406E-05	9.44993E-05	8.83843E-05	9.40587E-05	2.80143E-05	8.31406E-05	8.57897E-05	7427
7428	8.4717E-05	9.0369E-05	2.84845E-05	8.08233E-05	8.82316E-05	8.62901E-05	9.18566E-05	2.70675E-05	8.08233E-05	8.07893E-05	7428
7429	8.42643E-05	8.98839E-05	2.83538E-05	8.06745E-05	8.87376E-05	8.59549E-05	9.14974E-05	2.69881E-05	8.06745E-05	8.12965E-05	7429
7430	8.42315E-05	8.99212E-05	2.76238E-05	8.14439E-05	8.79624E-05	8.63402E-05	9.19555E-05	2.65984E-05	8.14439E-05	8.05012E-05	7430
7431	8.69812E-05	9.2926E-05	2.78361E-05	8.41157E-05	9.33949E-05	8.92199E-05	9.50709E-05	2.69705E-05	8.41157E-05	8.46369E-05	7431
7432	9.35949E-05	0.000100037	2.95016E-05	8.99598E-05	9.08336E-05	9.57912E-05	0.000102107	2.85983E-05	8.99598E-05	8.20142E-05	7432
7433	0.000103677	0.000110883	3.19855E-05	9.92126E-05	8.90452E-05	0.000105968	0.000113005	3.11004E-05	9.92126E-05	8.01822E-05	7433
7434	0.000112904	0.00012049	3.74299E-05	0.000105843	8.75999E-05	0.000114199	0.000121609	3.53602E-05	0.000105843	7.87064E-05	7434
7435	0.000119757	0.000127232	4.53847E-05	0.000109062	7.22371E-05	0.00011923	0.000126578	4.10525E-05	0.000109062	6.58525E-05	7435
7436	0.000119224	0.000126312	4.87016E-05	0.000106855	5.95222E-05	0.000117641	0.000124646	4.31118E-05	0.000106855	5.57436E-05	7436
7437	0.000115159	0.000121923	4.78668E-05	0.000102317	5.1218E-05	0.000113159	0.000119831	4.21767E-05	0.000102317	4.86856E-05	7437
7438	0.000110095	0.000116796	4.34223E-05	9.55389E-05	4.53286E-05	0.000107341	0.000113805	3.8571E-05	9.55389E-05	4.41237E-05	7438
7439	9.89367E-05	0.000105171	3.69117E-05	8.72576E-05	4.39391E-05	9.72625E-05	0.000103263	3.34262E-05	8.72576E-05	4.27053E-05	7439

7440	8.99181E-05	9.59712E-05	2.96939E-05	8.19124E-05	4.28658E-05	8.98815E-05	9.56894E-05	2.80908E-05	8.19124E-05	4.16104E-05	7440
7441	7.76756E-05	8.32522E-05	2.21931E-05	7.29183E-05	4.27639E-05	7.88941E-05	8.42226E-05	2.22037E-05	7.29183E-05	4.15423E-05	7441
7442	7.42007E-05	7.97297E-05	1.91918E-05	7.1235E-05	4.35729E-05	7.62374E-05	8.15182E-05	2.00547E-05	7.1235E-05	4.23829E-05	7442
7443	7.36706E-05	7.92459E-05	1.82014E-05	7.16336E-05	4.45534E-05	7.61703E-05	8.1501E-05	1.94568E-05	7.16336E-05	4.33973E-05	7443
7444	7.66408E-05	8.24786E-05	1.85587E-05	7.52023E-05	4.66327E-05	7.95785E-05	8.51717E-05	2.00712E-05	7.52023E-05	4.55342E-05	7444
7445	8.3655E-05	8.99767E-05	2.07585E-05	8.19891E-05	4.90249E-05	8.67785E-05	9.28471E-05	2.22142E-05	8.19891E-05	4.79882E-05	7445
7446	9.23989E-05	9.92742E-05	2.39961E-05	8.96716E-05	4.92335E-05	9.53635E-05	0.000101967	2.51073E-05	8.96716E-05	4.81533E-05	7446
7447	9.66275E-05	0.000103563	2.76284E-05	9.39958E-05	9.46898E-05	9.96248E-05	0.000106356	2.80126E-05	9.39958E-05	8.60869E-05	7447
7448	9.26759E-05	9.90991E-05	2.87705E-05	9.33335E-05	9.33084E-05	9.68054E-05	0.000103203	2.87454E-05	9.33335E-05	8.46144E-05	7448
7449	8.97554E-05	9.58678E-05	2.89422E-05	9.01313E-05	9.34958E-05	9.35507E-05	9.96581E-05	2.85734E-05	9.01313E-05	8.47926E-05	7449
7450	8.77725E-05	9.3663E-05	2.9167E-05	8.58713E-05	9.36894E-05	9.03917E-05	9.62402E-05	2.81688E-05	8.58713E-05	8.49755E-05	7450
7451	8.65498E-05	9.22877E-05	2.94623E-05	8.31406E-05	9.44993E-05	8.83843E-05	9.40587E-05	2.80143E-05	8.31406E-05	8.57897E-05	7451
7452	8.4717E-05	9.0369E-05	2.84845E-05	8.08233E-05	8.82316E-05	8.62901E-05	9.18566E-05	2.70675E-05	8.08233E-05	8.07893E-05	7452
7453	8.42643E-05	8.98839E-05	2.83538E-05	8.06745E-05	8.87376E-05	8.59549E-05	9.14974E-05	2.69881E-05	8.06745E-05	8.12965E-05	7453
7454	8.42315E-05	8.99212E-05	2.76238E-05	8.14439E-05	8.79624E-05	8.63402E-05	9.19555E-05	2.65984E-05	8.14439E-05	8.05012E-05	7454
7455	8.69812E-05	9.2926E-05	2.78361E-05	8.41157E-05	9.33949E-05	8.92199E-05	9.50709E-05	2.69705E-05	8.41157E-05	8.46369E-05	7455
7456	9.35949E-05	0.000100037	2.95016E-05	8.99598E-05	9.08336E-05	9.57912E-05	0.000102107	2.85983E-05	8.99598E-05	8.20142E-05	7456
7457	0.000103677	0.000110883	3.19855E-05	9.92126E-05	8.90452E-05	0.000105968	0.000113005	3.11004E-05	9.92126E-05	8.01822E-05	7457
7458	0.000112904	0.00012049	3.74299E-05	0.000105843	8.75999E-05	0.000114199	0.000121609	3.53602E-05	0.000105843	7.87064E-05	7458
7459	0.000119757	0.000127232	4.53847E-05	0.000109062	7.22371E-05	0.00011923	0.000126578	4.10525E-05	0.000109062	6.58525E-05	7459
7460	0.000119224	0.000126312	4.87016E-05	0.000106855	5.95222E-05	0.000117641	0.000124646	4.31118E-05	0.000106855	5.57436E-05	7460
7461	0.000115159	0.000121923	4.78668E-05	0.000102317	5.1218E-05	0.000113159	0.000119831	4.21767E-05	0.000102317	4.86856E-05	7461
7462	0.000110095	0.000116796	4.34223E-05	9.55389E-05	4.53286E-05	0.000107341	0.000113805	3.8571E-05	9.55389E-05	4.41237E-05	7462
7463	9.89367E-05	0.000105171	3.69117E-05	8.72576E-05	4.39391E-05	9.72625E-05	0.000103263	3.34262E-05	8.72576E-05	4.27053E-05	7463
7464	8.99181E-05	9.59712E-05	2.96939E-05	8.19124E-05	4.28658E-05	8.98815E-05	9.56894E-05	2.80908E-05	8.19124E-05	4.16104E-05	7464
7465	7.67915E-05	8.22942E-05	2.20441E-05	7.21244E-05	4.31381E-05	7.8004E-05	8.32645E-05	2.20371E-05	7.21244E-05	4.193E-05	7465
7466	7.4335E-05	7.98763E-05	1.92038E-05	7.12865E-05	4.35061E-05	7.63423E-05	8.16324E-05	2.00602E-05	7.12865E-05	4.23123E-05	7466
7467	7.37716E-05	7.93564E-05	1.82067E-05	7.16483E-05	4.44542E-05	7.62387E-05	8.1576E-05	1.94541E-05	7.16483E-05	4.32934E-05	7467
7468	7.67134E-05	8.25595E-05	1.8549E-05	7.51251E-05	4.6488E-05	7.95892E-05	8.5186E-05	2.0044E-05	7.51251E-05	4.53837E-05	7468
7469	8.37037E-05	9.00309E-05	2.07535E-05	8.19473E-05	4.88301E-05	8.67901E-05	9.28612E-05	2.21989E-05	8.19473E-05	4.77865E-05	7469
7470	9.25305E-05	9.9417E-05	2.40146E-05	8.97665E-05	4.89286E-05	9.54858E-05	0.000102099	2.51255E-05	8.97665E-05	4.7839E-05	7470
7471	9.53525E-05	0.000102161	2.76134E-05	9.40438E-05	9.41393E-05	9.8864E-05	0.000105524	2.80055E-05	9.40438E-05	8.55206E-05	7471
7472	9.31134E-05	9.95727E-05	2.88494E-05	9.376E-05	9.25116E-05	9.72607E-05	0.000103692	2.88376E-05	9.376E-05	8.37961E-05	7472
7473	9.05285E-05	9.67074E-05	2.90539E-05	9.07049E-05	9.26997E-05	9.42761E-05	0.000100441	2.86845E-05	9.07049E-05	8.39759E-05	7473
7474	8.88687E-05	9.48499E-05	2.93601E-05	8.69097E-05	9.29354E-05	9.15189E-05	9.74525E-05	2.83909E-05	8.69097E-05	8.42033E-05	7474
7475	8.79438E-05	9.37977E-05	2.97018E-05	8.44218E-05	9.37694E-05	8.98006E-05	9.55826E-05	2.82855E-05	8.44218E-05	8.50433E-05	7475
7476	8.61689E-05	9.19424E-05	2.87269E-05	8.21117E-05	8.74906E-05	8.7745E-05	9.34229E-05	2.73367E-05	8.21117E-05	8.00328E-05	7476
7477	8.56007E-05	9.1331E-05	2.8589E-05	8.19391E-05	8.79934E-05	8.73286E-05	9.29748E-05	2.72585E-05	8.19391E-05	8.05386E-05	7477
7478	8.58479E-05	9.16722E-05	2.79015E-05	8.29285E-05	8.73702E-05	8.7982E-05	9.3722E-05	2.69125E-05	8.29285E-05	7.99E-05	7478
7479	8.79784E-05	9.40061E-05	2.80075E-05	8.50323E-05	9.2906E-05	9.02331E-05	9.61611E-05	2.71645E-05	8.50323E-05	8.41415E-05	7479
7480	9.44923E-05	0.000101006	2.96838E-05	9.09659E-05	9.04334E-05	9.67824E-05	0.00010317	2.88249E-05	9.09659E-05	8.16085E-05	7480
7481	0.000104266	0.000111519	3.21095E-05	9.99013E-05	8.87163E-05	0.000106631	0.000113716	3.12572E-05	9.99013E-05	7.98482E-05	7481
7482	0.000113702	0.000121351	3.75949E-05	0.000106757	8.73427E-05	0.000115089	0.000122563	3.55674E-05	0.000106757	7.84444E-05	7482
7483	0.00012049	0.000128025	4.55262E-05	0.000109836	7.19947E-05	0.000120018	0.000127424	4.1224E-05	0.000109836	6.56054E-05	7483
7484	0.000119915	0.000127058	4.88446E-05	0.000107647	5.92985E-05	0.000118412	0.000125472	4.32913E-05	0.000107647	5.55146E-05	7484
7485	0.000117338	0.000124301	4.80634E-05	0.00010327	5.10263E-05	0.000114913	0.000121728	4.24084E-05	0.00010327	4.84889E-05	7485
7486	0.00011077	0.000117525	4.35592E-05	9.62952E-05	4.51703E-05	0.000108086	0.000114604	3.87413E-05	9.62952E-05	4.39612E-05	7486
7487	9.94149E-05	0.000105686	3.70195E-05	8.78634E-05	4.38967E-05	9.78214E-05	0.000103861	3.3567E-05	8.78634E-05	4.26623E-05	7487
7488	9.02589E-05	9.63387E-05	2.9769E-05	8.23323E-05	4.29804E-05	9.02745E-05	9.61102E-05	2.81877E-05	8.23323E-05	4.17287E-05	7488
7489	7.67915E-05	8.22942E-05	2.20441E-05	7.21244E-05	4.31381E-05	7.8004E-05	8.32645E-05	2.20371E-05	7.21244E-05	4.193E-05	7489
7490	7.4335E-05	7.98763E-05	1.92038E-05	7.12865E-05	4.35061E-05	7.63423E-05	8.16324E-05	2.00602E-05	7.12865E-05	4.23123E-05	7490
7491	7.37716E-05	7.93564E-05	1.82067E-05	7.16483E-05	4.44542E-05	7.62387E-05	8.1576E-05	1.94541E-05	7.16483E-05	4.32934E-05	7491
7492	7.67134E-05	8.25595E-05	1.8549E-05	7.51251E-05	4.6488E-05	7.95892E-05	8.5186E-05	2.0044E-05	7.51251E-05	4.53837E-05	7492
7493	8.37037E-05	9.00309E-05	2.07535E-05	8.19473E-05	4.88301E-05	8.67901E-05	9.28612E-05	2.21989E-05	8.19473E-05	4.77865E-05	7493
7494	9.25305E-05	9.9417E-05	2.40146E-05	8.97665E-05	4.89286E-05	9.54858E-05	0.000102099	2.51255E-05	8.97665E-05	4.7839E-05	7494
7495	9.53525E-05	0.000102161	2.76134E-05	9.40438E-05	9.41393E-05	9.8864E-05	0.000105524	2.80055E-05	9.40438E-05	8.55206E-05	7495
7496	9.31134E-05	9.95727E-05	2.88494E-05	9.376E-05	9.25116E-05	9.72607E-05	0.000103692	2.88376E-05	9.376E-05	8.37961E-05	7496
7497	9.05285E-05	9.67074E-05	2.90539E-05	9.07049E-05	9.26997E-05	9.42761E-05	0.000100441	2.86845E-05	9.07049E-05	8.39759E-05	7497
7498	8.88687E-05	9.48499E-05	2.93601E-05	8.69097E-05	9.29354E-05	9.15189E-05	9.74525E-05	2.83909E-05	8.69097E-05	8.42033E-05	7498
7499	8.79438E-05	9.37977E-05	2.97018E-05	8.44218E-05	9.37694E-05	8.98006E-05	9.55826E-05	2.82855E-05	8.44218E-05	8.50433E-05	7499
7500	8.61689E-05	9.19424E-05	2.87269E-05	8.21117E-05	8.74906E-05	8.7745E-05	9.34229E-05	2.73367E-05	8.21117E-05	8.00328E-05	7500
7501	8.56007E-05	9.1331E-05	2.8589E-05	8.19391E-05	8.79934E-05	8.73286E-05	9.29748E-05	2.72585E-05	8.19391E-05	8.05386E-05	7501
7502	8.58479E-05	9.16722E-05	2.79015E-05	8.29285E-05	8.73702E-05	8.7982E-05	9.3722E-05	2.69125E-05	8.29285E-05	7.99E-05	7502
7503	8.79784E-05	9.40061E-05	2.80075E-05	8.50323E-05	9.2906E-05	9.02331E-05	9.61611E-05	2.71645E-05	8.50323E-05	8.41415E-05	7503
7504	9.44923E-05	0.000101006	2.96838E-05	9.09659E-05	9.04334E-05	9.67824E-05	0.00010317	2.88249E-05	9.09659E-05	8.16085E-05	7504
7505	0.000104266	0.000111519	3.21095E-05	9.99013E-05	8.87163E-05	0.000106631	0.000113716	3.12572E-05	9.99013E-05	7.98482E-05	7505
7506	0.000113702	0.000121351	3.75949E-05	0.000106757	8.73427E-05	0.000115089	0.000122563	3.55674E-05	0.000106757	7.84444E-05	7506
7507	0.00012049	0.000128025	4.55262E-05	0.000109836	7.19947E-05	0.000120018	0.000127424	4.1224E-05	0.000109836	6.56054E-05	7507
7508	0.000119915	0.000127058	4.88446E-05	0.000107647	5.92985E-05	0.000118412	0.000125472	4.32913E-05	0.000107647	5.55146E-05	7508
7509	0.000117338	0.000124301	4.80634E-05	0.00010327	5.10263E-05	0.000114913	0.000121728	4.24084E-05	0.00010327	4.84889E-05	7509
7510	0.00011077	0.000117525	4.35592E-05	9.62952E-05	4.51703E-05	0.000108086	0.000114604	3.87413E-05	9.62952E-05	4.39612E-05	7510
7511	9.94149E-05	0.000105686	3.70195E-05	8.78634E-05	4.38967E-05	9.78214E-05	0.000103861	3.3567E-05	8.78634E-05	4.26623E-05	7511
7512	9.02589E-05	9.63387E-05	2.9769E-05	8.23323E-05	4.29804E-05	9.02745E-05	9.61102E-05	2.81877E-05	8.23323E-05	4.17287E-05	7512
7513	7.67915E-05	8.22942E-05	2.20441E-05	7.21244E-05	4.31381E-05	7.8004E-05	8.32645E-05	2.20371E-05	7.21244E-05	4.193E-05	7513
7514	7.4335E-05	7.98763E-05	1.92038E-05	7.12865E-05	4.35061E-05	7.63423E-05	8.16324E-05	2.00602E-05	7.12865E-05	4.23123E-05	7514
7515	7.37716E-05	7.93564E-05	1.82067E-05	7.16483E-05	4.44542E-05	7.62387E-05	8.1576E-05	1.94541E-05	7.16483E-05	4.32934E-05	7515

7516	7.67134E-05	8.25595E-05	1.8549E-05	7.51251E-05	4.6488E-05	7.95892E-05	8.5186E-05	2.0044E-05	7.51251E-05	4.53837E-05	7516
7517	8.37037E-05	9.00309E-05	2.07535E-05	8.19473E-05	4.88301E-05	8.67901E-05	9.28612E-05	2.21989E-05	8.19473E-05	4.77865E-05	7517
7518	9.25305E-05	9.9417E-05	2.40146E-05	8.97665E-05	4.89286E-05	9.54858E-05	0.000102099	2.51255E-05	8.97665E-05	4.7839E-05	7518
7519	9.53525E-05	0.000102161	2.76134E-05	9.40438E-05	9.41393E-05	9.8864E-05	0.000105524	2.80055E-05	9.40438E-05	8.55206E-05	7519
7520	9.31134E-05	9.95727E-05	2.88494E-05	9.376E-05	9.25116E-05	9.72607E-05	0.000103692	2.88376E-05	9.376E-05	8.37961E-05	7520
7521	9.05285E-05	9.67074E-05	2.90539E-05	9.07049E-05	9.26997E-05	9.42761E-05	0.000100441	2.86845E-05	9.07049E-05	8.39759E-05	7521
7522	8.88687E-05	9.48499E-05	2.93601E-05	8.69097E-05	9.29354E-05	9.15189E-05	9.74525E-05	2.83909E-05	8.69097E-05	8.42033E-05	7522
7523	8.79438E-05	9.37977E-05	2.97018E-05	8.44218E-05	9.37694E-05	8.98006E-05	9.55826E-05	2.82855E-05	8.44218E-05	8.50433E-05	7523
7524	8.61689E-05	9.19424E-05	2.87269E-05	8.21117E-05	8.74906E-05	8.7745E-05	9.34229E-05	2.73367E-05	8.21117E-05	8.00328E-05	7524
7525	8.56007E-05	9.1331E-05	2.8589E-05	8.19391E-05	8.79934E-05	8.73286E-05	9.29748E-05	2.72585E-05	8.19391E-05	8.05386E-05	7525
7526	8.58479E-05	9.16722E-05	2.79015E-05	8.29285E-05	8.73702E-05	8.7982E-05	9.3722E-05	2.69125E-05	8.29285E-05	7.99E-05	7526
7527	8.79784E-05	9.40061E-05	2.80075E-05	8.50323E-05	9.2906E-05	9.02331E-05	9.61611E-05	2.71645E-05	8.50323E-05	8.41415E-05	7527
7528	9.44923E-05	0.000101006	2.96838E-05	9.09659E-05	9.04334E-05	9.67824E-05	0.00010317	2.88249E-05	9.09659E-05	8.16085E-05	7528
7529	0.000104266	0.000111519	3.21095E-05	9.99013E-05	8.87163E-05	0.000106631	0.000113716	3.12572E-05	9.99013E-05	7.98482E-05	7529
7530	0.000113702	0.000121351	3.75949E-05	0.000106757	8.73427E-05	0.000115089	0.000122563	3.55674E-05	0.000106757	7.84444E-05	7530
7531	0.00012049	0.000128025	4.55262E-05	0.000109836	7.19947E-05	0.000120018	0.000127424	4.1224E-05	0.000109836	6.56054E-05	7531
7532	0.000119915	0.000127058	4.88446E-05	0.000107647	5.92985E-05	0.000118412	0.000125472	4.32913E-05	0.000107647	5.55146E-05	7532
7533	0.000117338	0.000124301	4.80634E-05	0.00010327	5.10263E-05	0.000114913	0.000121728	4.24084E-05	0.00010327	4.84889E-05	7533
7534	0.00011077	0.000117525	4.35592E-05	9.62952E-05	4.51703E-05	0.000108086	0.000114604	3.87413E-05	9.62952E-05	4.39612E-05	7534
7535	9.94149E-05	0.000105686	3.70195E-05	8.78634E-05	4.38967E-05	9.78214E-05	0.000103861	3.3567E-05	8.78634E-05	4.26623E-05	7535
7536	9.02589E-05	9.63387E-05	2.9769E-05	8.23323E-05	4.29804E-05	9.02745E-05	9.61102E-05	2.81877E-05	8.23323E-05	4.17287E-05	7536
7537	7.67915E-05	8.22942E-05	2.20441E-05	7.21244E-05	4.31381E-05	7.8004E-05	8.32645E-05	2.20371E-05	7.21244E-05	4.193E-05	7537
7538	7.4335E-05	7.98763E-05	1.92038E-05	7.12865E-05	4.35061E-05	7.63423E-05	8.16324E-05	2.00602E-05	7.12865E-05	4.23123E-05	7538
7539	7.37716E-05	7.93564E-05	1.82067E-05	7.16483E-05	4.44542E-05	7.62387E-05	8.1576E-05	1.94541E-05	7.16483E-05	4.32934E-05	7539
7540	7.67134E-05	8.25595E-05	1.8549E-05	7.51251E-05	4.6488E-05	7.95892E-05	8.5186E-05	2.0044E-05	7.51251E-05	4.53837E-05	7540
7541	8.37037E-05	9.00309E-05	2.07535E-05	8.19473E-05	4.88301E-05	8.67901E-05	9.28612E-05	2.21989E-05	8.19473E-05	4.77865E-05	7541
7542	9.25305E-05	9.9417E-05	2.40146E-05	8.97665E-05	4.89286E-05	9.54858E-05	0.000102099	2.51255E-05	8.97665E-05	4.7839E-05	7542
7543	9.53525E-05	0.000102161	2.76134E-05	9.40438E-05	9.41393E-05	9.8864E-05	0.000105524	2.80055E-05	9.40438E-05	8.55206E-05	7543
7544	9.31134E-05	9.95727E-05	2.88494E-05	9.376E-05	9.25116E-05	9.72607E-05	0.000103692	2.88376E-05	9.376E-05	8.37961E-05	7544
7545	9.05285E-05	9.67074E-05	2.90539E-05	9.07049E-05	9.26997E-05	9.42761E-05	0.000100441	2.86845E-05	9.07049E-05	8.39759E-05	7545
7546	8.88687E-05	9.48499E-05	2.93601E-05	8.69097E-05	9.29354E-05	9.15189E-05	9.74525E-05	2.83909E-05	8.69097E-05	8.42033E-05	7546
7547	8.79438E-05	9.37977E-05	2.97018E-05	8.44218E-05	9.37694E-05	8.98006E-05	9.55826E-05	2.82855E-05	8.44218E-05	8.50433E-05	7547
7548	8.61689E-05	9.19424E-05	2.87269E-05	8.21117E-05	8.74906E-05	8.7745E-05	9.34229E-05	2.73367E-05	8.21117E-05	8.00328E-05	7548
7549	8.56007E-05	9.1331E-05	2.8589E-05	8.19391E-05	8.79934E-05	8.73286E-05	9.29748E-05	2.72585E-05	8.19391E-05	8.05386E-05	7549
7550	8.58479E-05	9.16722E-05	2.79015E-05	8.29285E-05	8.73702E-05	8.7982E-05	9.3722E-05	2.69125E-05	8.29285E-05	7.99E-05	7550
7551	8.79784E-05	9.40061E-05	2.80075E-05	8.50323E-05	9.2906E-05	9.02331E-05	9.61611E-05	2.71645E-05	8.50323E-05	8.41415E-05	7551
7552	9.44923E-05	0.000101006	2.96838E-05	9.09659E-05	9.04334E-05	9.67824E-05	0.00010317	2.88249E-05	9.09659E-05	8.16085E-05	7552
7553	0.000104266	0.000111519	3.21095E-05	9.99013E-05	8.87163E-05	0.000106631	0.000113716	3.12572E-05	9.99013E-05	7.98482E-05	7553
7554	0.000113702	0.000121351	3.75949E-05	0.000106757	8.73427E-05	0.000115089	0.000122563	3.55674E-05	0.000106757	7.84444E-05	7554
7555	0.00012049	0.000128025	4.55262E-05	0.000109836	7.19947E-05	0.000120018	0.000127424	4.1224E-05	0.000109836	6.56054E-05	7555
7556	0.000119915	0.000127058	4.88446E-05	0.000107647	5.92985E-05	0.000118412	0.000125472	4.32913E-05	0.000107647	5.55146E-05	7556
7557	0.000117338	0.000124301	4.80634E-05	0.00010327	5.10263E-05	0.000114913	0.000121728	4.24084E-05	0.00010327	4.84889E-05	7557
7558	0.00011077	0.000117525	4.35592E-05	9.62952E-05	4.51703E-05	0.000108086	0.000114604	3.87413E-05	9.62952E-05	4.39612E-05	7558
7559	9.94149E-05	0.000105686	3.70195E-05	8.78634E-05	4.38967E-05	9.78214E-05	0.000103861	3.3567E-05	8.78634E-05	4.26623E-05	7559
7560	9.02589E-05	9.63387E-05	2.9769E-05	8.23323E-05	4.29804E-05	9.02745E-05	9.61102E-05	2.81877E-05	8.23323E-05	4.17287E-05	7560
7561	7.76756E-05	8.32522E-05	2.21931E-05	7.29183E-05	4.27639E-05	7.88941E-05	8.42226E-05	2.22037E-05	7.29183E-05	4.15423E-05	7561
7562	7.42007E-05	7.97297E-05	1.91918E-05	7.1235E-05	4.35729E-05	7.62374E-05	8.15182E-05	2.00547E-05	7.1235E-05	4.23829E-05	7562
7563	7.36706E-05	7.92459E-05	1.82014E-05	7.16336E-05	4.45534E-05	7.61703E-05	8.1501E-05	1.94568E-05	7.16336E-05	4.33973E-05	7563
7564	7.66408E-05	8.24786E-05	1.85587E-05	7.52023E-05	4.66327E-05	7.95785E-05	8.51717E-05	2.00712E-05	7.52023E-05	4.55342E-05	7564
7565	8.3655E-05	8.99767E-05	2.07585E-05	8.19891E-05	4.90249E-05	8.67785E-05	9.28471E-05	2.22142E-05	8.19891E-05	4.79882E-05	7565
7566	9.23989E-05	9.92742E-05	2.39961E-05	8.96716E-05	4.92335E-05	9.53635E-05	0.000101967	2.51073E-05	8.96716E-05	4.81533E-05	7566
7567	9.66275E-05	0.000103563	2.76284E-05	9.39958E-05	9.46898E-05	9.96248E-05	0.000106356	2.80126E-05	9.39958E-05	8.60869E-05	7567
7568	9.26759E-05	9.90991E-05	2.87705E-05	9.33335E-05	9.33084E-05	9.68054E-05	0.000103203	2.87454E-05	9.33335E-05	8.46144E-05	7568
7569	8.97554E-05	9.58678E-05	2.89422E-05	9.01313E-05	9.34958E-05	9.35507E-05	9.96581E-05	2.85734E-05	9.01313E-05	8.47926E-05	7569
7570	8.77725E-05	9.3663E-05	2.9167E-05	8.58713E-05	9.36894E-05	9.03917E-05	9.62402E-05	2.81688E-05	8.58713E-05	8.49755E-05	7570
7571	8.65498E-05	9.22877E-05	2.94623E-05	8.31406E-05	9.44993E-05	8.83843E-05	9.40587E-05	2.80143E-05	8.31406E-05	8.57897E-05	7571
7572	8.4717E-05	9.0369E-05	2.84845E-05	8.08233E-05	8.82316E-05	8.62901E-05	9.18566E-05	2.70675E-05	8.08233E-05	8.07893E-05	7572
7573	8.42643E-05	8.98839E-05	2.83538E-05	8.06745E-05	8.87376E-05	8.59549E-05	9.14974E-05	2.69881E-05	8.06745E-05	8.12965E-05	7573
7574	8.42315E-05	8.99212E-05	2.76238E-05	8.14439E-05	8.79624E-05	8.63402E-05	9.19555E-05	2.65984E-05	8.14439E-05	8.05012E-05	7574
7575	8.69812E-05	9.2926E-05	2.78361E-05	8.41157E-05	9.33949E-05	8.92199E-05	9.50709E-05	2.69705E-05	8.41157E-05	8.46369E-05	7575
7576	9.35949E-05	0.000100037	2.95016E-05	8.99598E-05	9.08336E-05	9.57912E-05	0.000102107	2.85983E-05	8.99598E-05	8.20142E-05	7576
7577	0.000103677	0.000110883	3.19855E-05	9.92126E-05	8.90452E-05	0.000105968	0.000113005	3.11004E-05	9.92126E-05	8.01822E-05	7577
7578	0.000112904	0.00012049	3.74299E-05	0.000105843	8.75999E-05	0.000114199	0.000121609	3.53602E-05	0.000105843	7.87064E-05	7578
7579	0.000119757	0.000127232	4.53847E-05	0.000109062	7.22371E-05	0.00011923	0.000126578	4.10525E-05	0.000109062	6.58525E-05	7579
7580	0.000119224	0.000126312	4.87016E-05	0.000106855	5.95222E-05	0.000117641	0.000124646	4.31118E-05	0.000106855	5.57436E-05	7580
7581	0.000115159	0.000121923	4.78668E-05	0.000102317	5.1218E-05	0.000113159	0.000119831	4.21767E-05	0.000102317	4.86856E-05	7581
7582	0.000110095	0.000116796	4.34223E-05	9.55389E-05	4.53286E-05	0.000107341	0.000113805	3.8571E-05	9.55389E-05	4.41237E-05	7582
7583	9.89367E-05	0.000105171	3.69117E-05	8.72576E-05	4.39391E-05	9.72625E-05	0.000103263	3.34262E-05	8.72576E-05	4.27053E-05	7583
7584	8.99181E-05	9.59712E-05	2.96939E-05	8.19124E-05	4.28658E-05	8.98815E-05	9.56894E-05	2.80908E-05	8.19124E-05	4.16104E-05	7584
7585	7.76756E-05	8.32522E-05	2.21931E-05	7.29183E-05	4.27639E-05	7.88941E-05	8.42226E-05	2.22037E-05	7.29183E-05	4.15423E-05	7585
7586	7.42007E-05	7.97297E-05	1.91918E-05	7.1235E-05	4.35729E-05	7.62374E-05	8.15182E-05	2.00547E-05	7.1235E-05	4.23829E-05	7586
7587	7.36706E-05	7.92459E-05	1.82014E-05	7.16336E-05	4.45534E-05	7.61703E-05	8.1501E-05	1.94568E-05	7.16336E-05	4.33973E-05	7587
7588	7.66408E-05	8.24786E-05	1.85587E-05	7.52023E-05	4.66327E-05	7.95785E-05	8.51717E-05	2.00712E-05	7.52023E-05	4.55342E-05	7588
7589	8.3655E-05	8.99767E-05	2.07585E-05	8.19891E-05	4.90249E-05	8.67785E-05	9.28471E-05	2.22142E-05	8.19891E-05	4.79882E-05	7589
7590	9.23989E-05	9.92742E-05	2.39961E-05	8.96716E-05	4.92335E-05	9.53635E-05	0.000101967	2.51073E-05	8.96716E-05	4.81533E-05	7590
7591	9.66275E-05	0.000103563	2.76284E-05	9.39958E-05	9.46898E-05	9.96248E-05	0.000106356	2.80126E-05	9.39958E-05	8.60869E-05	7591

7592	9.26759E-05	9.90991E-05	2.87705E-05	9.33335E-05	9.33084E-05	9.68054E-05	0.000103203	2.87454E-05	9.33335E-05	8.46144E-05	7592
7593	8.97554E-05	9.58678E-05	2.89422E-05	9.01313E-05	9.34958E-05	9.35507E-05	9.96581E-05	2.85734E-05	9.01313E-05	8.47926E-05	7593
7594	8.77725E-05	9.3663E-05	2.9167E-05	8.58713E-05	9.36894E-05	9.03917E-05	9.62402E-05	2.81688E-05	8.58713E-05	8.49755E-05	7594
7595	8.65498E-05	9.22877E-05	2.94623E-05	8.31406E-05	9.44993E-05	8.83843E-05	9.40587E-05	2.80143E-05	8.31406E-05	8.57897E-05	7595
7596	8.4717E-05	9.0369E-05	2.84845E-05	8.08233E-05	8.82316E-05	8.62901E-05	9.18566E-05	2.70675E-05	8.08233E-05	8.07893E-05	7596
7597	8.42643E-05	8.98839E-05	2.83538E-05	8.06745E-05	8.87376E-05	8.59549E-05	9.14974E-05	2.69881E-05	8.06745E-05	8.12965E-05	7597
7598	8.42315E-05	8.99212E-05	2.76238E-05	8.14439E-05	8.79624E-05	8.63402E-05	9.19555E-05	2.65984E-05	8.14439E-05	8.05012E-05	7598
7599	8.69812E-05	9.2926E-05	2.78361E-05	8.41157E-05	9.33949E-05	8.92199E-05	9.50709E-05	2.69705E-05	8.41157E-05	8.46369E-05	7599
7600	9.35949E-05	0.000100037	2.95016E-05	8.99598E-05	9.08336E-05	9.57912E-05	0.000102107	2.85983E-05	8.99598E-05	8.20142E-05	7600
7601	0.000103677	0.000110883	3.19855E-05	9.92126E-05	8.90452E-05	0.000105968	0.000113005	3.11004E-05	9.92126E-05	8.01822E-05	7601
7602	0.000112904	0.00012049	3.74299E-05	0.000105843	8.75999E-05	0.000114199	0.000121609	3.53602E-05	0.000105843	7.87064E-05	7602
7603	0.000119757	0.000127232	4.53847E-05	0.000109062	7.22371E-05	0.00011923	0.000126578	4.10525E-05	0.000109062	6.58525E-05	7603
7604	0.000119224	0.000126312	4.87016E-05	0.000106855	5.95222E-05	0.000117641	0.000124646	4.31118E-05	0.000106855	5.57436E-05	7604
7605	0.000115159	0.000121923	4.78668E-05	0.000102317	5.1218E-05	0.000113159	0.000119831	4.21767E-05	0.000102317	4.86856E-05	7605
7606	0.000110095	0.000116796	4.34223E-05	9.55389E-05	4.53286E-05	0.000107341	0.000113805	3.8571E-05	9.55389E-05	4.41237E-05	7606
7607	9.89367E-05	0.000105171	3.69117E-05	8.72576E-05	4.39391E-05	9.72625E-05	0.000103263	3.34262E-05	8.72576E-05	4.27053E-05	7607
7608	8.99181E-05	9.59712E-05	2.96939E-05	8.19124E-05	4.28658E-05	8.98815E-05	9.56894E-05	2.80908E-05	8.19124E-05	4.16104E-05	7608
7609	7.76756E-05	8.32522E-05	2.21931E-05	7.29183E-05	4.27639E-05	7.88941E-05	8.42226E-05	2.22037E-05	7.29183E-05	4.15423E-05	7609
7610	7.42007E-05	7.97297E-05	1.91918E-05	7.1235E-05	4.35729E-05	7.62374E-05	8.15182E-05	2.00547E-05	7.1235E-05	4.23829E-05	7610
7611	7.36706E-05	7.92459E-05	1.82014E-05	7.16336E-05	4.45534E-05	7.61703E-05	8.1501E-05	1.94568E-05	7.16336E-05	4.33973E-05	7611
7612	7.66408E-05	8.24786E-05	1.85587E-05	7.52023E-05	4.66327E-05	7.95785E-05	8.51717E-05	2.00712E-05	7.52023E-05	4.55342E-05	7612
7613	8.3655E-05	8.99767E-05	2.07585E-05	8.19891E-05	4.90249E-05	8.67785E-05	9.28471E-05	2.22142E-05	8.19891E-05	4.79882E-05	7613
7614	9.23989E-05	9.92742E-05	2.39961E-05	8.96716E-05	4.92335E-05	9.53635E-05	0.000101967	2.51073E-05	8.96716E-05	4.81533E-05	7614
7615	9.66275E-05	0.000103563	2.76284E-05	9.39958E-05	9.46898E-05	9.96248E-05	0.000106356	2.80126E-05	9.39958E-05	8.60869E-05	7615
7616	9.26759E-05	9.90991E-05	2.87705E-05	9.33335E-05	9.33084E-05	9.68054E-05	0.000103203	2.87454E-05	9.33335E-05	8.46144E-05	7616
7617	8.97554E-05	9.58678E-05	2.89422E-05	9.01313E-05	9.34958E-05	9.35507E-05	9.96581E-05	2.85734E-05	9.01313E-05	8.47926E-05	7617
7618	8.77725E-05	9.3663E-05	2.9167E-05	8.58713E-05	9.36894E-05	9.03917E-05	9.62402E-05	2.81688E-05	8.58713E-05	8.49755E-05	7618
7619	8.65498E-05	9.22877E-05	2.94623E-05	8.31406E-05	9.44993E-05	8.83843E-05	9.40587E-05	2.80143E-05	8.31406E-05	8.57897E-05	7619
7620	8.4717E-05	9.0369E-05	2.84845E-05	8.08233E-05	8.82316E-05	8.62901E-05	9.18566E-05	2.70675E-05	8.08233E-05	8.07893E-05	7620
7621	8.42643E-05	8.98839E-05	2.83538E-05	8.06745E-05	8.87376E-05	8.59549E-05	9.14974E-05	2.69881E-05	8.06745E-05	8.12965E-05	7621
7622	8.42315E-05	8.99212E-05	2.76238E-05	8.14439E-05	8.79624E-05	8.63402E-05	9.19555E-05	2.65984E-05	8.14439E-05	8.05012E-05	7622
7623	8.69812E-05	9.2926E-05	2.78361E-05	8.41157E-05	9.33949E-05	8.92199E-05	9.50709E-05	2.69705E-05	8.41157E-05	8.46369E-05	7623
7624	9.35949E-05	0.000100037	2.95016E-05	8.99598E-05	9.08336E-05	9.57912E-05	0.000102107	2.85983E-05	8.99598E-05	8.20142E-05	7624
7625	0.000103677	0.000110883	3.19855E-05	9.92126E-05	8.90452E-05	0.000105968	0.000113005	3.11004E-05	9.92126E-05	8.01822E-05	7625
7626	0.000112904	0.00012049	3.74299E-05	0.000105843	8.75999E-05	0.000114199	0.000121609	3.53602E-05	0.000105843	7.87064E-05	7626
7627	0.000119757	0.000127232	4.53847E-05	0.000109062	7.22371E-05	0.00011923	0.000126578	4.10525E-05	0.000109062	6.58525E-05	7627
7628	0.000119224	0.000126312	4.87016E-05	0.000106855	5.95222E-05	0.000117641	0.000124646	4.31118E-05	0.000106855	5.57436E-05	7628
7629	0.000115159	0.000121923	4.78668E-05	0.000102317	5.1218E-05	0.000113159	0.000119831	4.21767E-05	0.000102317	4.86856E-05	7629
7630	0.000110095	0.000116796	4.34223E-05	9.55389E-05	4.53286E-05	0.000107341	0.000113805	3.8571E-05	9.55389E-05	4.41237E-05	7630
7631	9.89367E-05	0.000105171	3.69117E-05	8.72576E-05	4.39391E-05	9.72625E-05	0.000103263	3.34262E-05	8.72576E-05	4.27053E-05	7631
7632	8.99181E-05	9.59712E-05	2.96939E-05	8.19124E-05	4.28658E-05	8.98815E-05	9.56894E-05	2.80908E-05	8.19124E-05	4.16104E-05	7632
7633	7.67915E-05	8.22942E-05	2.20441E-05	7.21244E-05	4.31381E-05	7.8004E-05	8.32645E-05	2.20371E-05	7.21244E-05	4.193E-05	7633
7634	7.4335E-05	7.98763E-05	1.92038E-05	7.12865E-05	4.35061E-05	7.63423E-05	8.16324E-05	2.00602E-05	7.12865E-05	4.23123E-05	7634
7635	7.37716E-05	7.93564E-05	1.82067E-05	7.16483E-05	4.44542E-05	7.62387E-05	8.1576E-05	1.94541E-05	7.16483E-05	4.32934E-05	7635
7636	7.67134E-05	8.25595E-05	1.8549E-05	7.51251E-05	4.6488E-05	7.95892E-05	8.5186E-05	2.0044E-05	7.51251E-05	4.53837E-05	7636
7637	8.37037E-05	9.00309E-05	2.07535E-05	8.19473E-05	4.88301E-05	8.67901E-05	9.28612E-05	2.21989E-05	8.19473E-05	4.77865E-05	7637
7638	9.25305E-05	9.9417E-05	2.40146E-05	8.97665E-05	4.89286E-05	9.54858E-05	0.000102099	2.51255E-05	8.97665E-05	4.7839E-05	7638
7639	9.53525E-05	0.000102161	2.76134E-05	9.40438E-05	9.41393E-05	9.8864E-05	0.000105524	2.80055E-05	9.40438E-05	8.55206E-05	7639
7640	9.31134E-05	9.95727E-05	2.88494E-05	9.376E-05	9.25116E-05	9.72607E-05	0.000103692	2.88376E-05	9.376E-05	8.37961E-05	7640
7641	9.05285E-05	9.67074E-05	2.90539E-05	9.07049E-05	9.26997E-05	9.42761E-05	0.000100441	2.86845E-05	9.07049E-05	8.39759E-05	7641
7642	8.88687E-05	9.48499E-05	2.93601E-05	8.69097E-05	9.29354E-05	9.15189E-05	9.74525E-05	2.83909E-05	8.69097E-05	8.42033E-05	7642
7643	8.79438E-05	9.37977E-05	2.97018E-05	8.44218E-05	9.37694E-05	8.98006E-05	9.55826E-05	2.82855E-05	8.44218E-05	8.50433E-05	7643
7644	8.61689E-05	9.19424E-05	2.87269E-05	8.21117E-05	8.74906E-05	8.7745E-05	9.34229E-05	2.73367E-05	8.21117E-05	8.00328E-05	7644
7645	8.56007E-05	9.1331E-05	2.8589E-05	8.19391E-05	8.79934E-05	8.73286E-05	9.29748E-05	2.72585E-05	8.19391E-05	8.05386E-05	7645
7646	8.58479E-05	9.16722E-05	2.79015E-05	8.29285E-05	8.73702E-05	8.7982E-05	9.3722E-05	2.69125E-05	8.29285E-05	7.99E-05	7646
7647	8.79784E-05	9.40061E-05	2.80075E-05	8.50323E-05	9.2906E-05	9.02331E-05	9.61611E-05	2.71645E-05	8.50323E-05	8.41415E-05	7647
7648	9.44923E-05	0.000101006	2.96838E-05	9.09659E-05	9.04334E-05	9.67824E-05	0.00010317	2.88249E-05	9.09659E-05	8.16085E-05	7648
7649	0.000104266	0.000111519	3.21095E-05	9.99013E-05	8.87163E-05	0.000106631	0.000113716	3.12572E-05	9.99013E-05	7.98482E-05	7649
7650	0.000113702	0.000121351	3.75949E-05	0.000106757	8.73427E-05	0.000115089	0.000122563	3.55674E-05	0.000106757	7.84444E-05	7650
7651	0.00012049	0.000128025	4.55262E-05	0.000109836	7.19947E-05	0.000120018	0.000127424	4.1224E-05	0.000109836	6.56054E-05	7651
7652	0.000119915	0.000127058	4.88446E-05	0.000107647	5.92985E-05	0.000118412	0.000125472	4.32913E-05	0.000107647	5.55146E-05	7652
7653	0.000117338	0.000124301	4.80634E-05	0.00010327	5.10263E-05	0.000114913	0.000121728	4.24084E-05	0.00010327	4.84889E-05	7653
7654	0.00011077	0.000117525	4.35592E-05	9.62952E-05	4.51703E-05	0.000108086	0.000114604	3.87413E-05	9.62952E-05	4.39612E-05	7654
7655	9.94149E-05	0.000105686	3.70195E-05	8.78634E-05	4.38967E-05	9.78214E-05	0.000103861	3.3567E-05	8.78634E-05	4.26623E-05	7655
7656	9.02589E-05	9.63387E-05	2.9769E-05	8.23323E-05	4.29804E-05	9.02745E-05	9.61102E-05	2.81877E-05	8.23323E-05	4.17287E-05	7656
7657	7.67915E-05	8.22942E-05	2.20441E-05	7.21244E-05	4.31381E-05	7.8004E-05	8.32645E-05	2.20371E-05	7.21244E-05	4.193E-05	7657
7658	7.4335E-05	7.98763E-05	1.92038E-05	7.12865E-05	4.35061E-05	7.63423E-05	8.16324E-05	2.00602E-05	7.12865E-05	4.23123E-05	7658
7659	7.37716E-05	7.93564E-05	1.82067E-05	7.16483E-05	4.44542E-05	7.62387E-05	8.1576E-05	1.94541E-05	7.16483E-05	4.32934E-05	7659
7660	7.67134E-05	8.25595E-05	1.8549E-05	7.51251E-05	4.6488E-05	7.95892E-05	8.5186E-05	2.0044E-05	7.51251E-05	4.53837E-05	7660
7661	8.37037E-05	9.00309E-05	2.07535E-05	8.19473E-05	4.88301E-05	8.67901E-05	9.28612E-05	2.21989E-05	8.19473E-05	4.77865E-05	7661
7662	9.25305E-05	9.9417E-05	2.40146E-05	8.97665E-05	4.89286E-05	9.54858E-05	0.000102099	2.51255E-05	8.97665E-05	4.7839E-05	7662
7663	9.53525E-05	0.000102161	2.76134E-05	9.40438E-05	9.41393E-05	9.8864E-05	0.000105524	2.80055E-05	9.40438E-05	8.55206E-05	7663
7664	9.31134E-05	9.95727E-05	2.88494E-05	9.376E-05	9.25116E-05	9.72607E-05	0.000103692	2.88376E-05	9.376E-05	8.37961E-05	7664
7665	9.05285E-05	9.67074E-05	2.90539E-05	9.07049E-05	9.26997E-05	9.42761E-05	0.000100441	2.86845E-05	9.07049E-05	8.39759E-05	7665
7666	8.88687E-05	9.48499E-05	2.93601E-05	8.69097E-05	9.29354E-05	9.15189E-05	9.74525E-05	2.83909E-05	8.69097E-05	8.42033E-05	7666
7667	8.79438E-05	9.37977E-05	2.97018E-05	8.44218E-05	9.37694E-05	8.98006E-05	9.55826E-05	2.82855E-05	8.44218E-05	8.50433E-05	7667

7668	8.61689E-05	9.19424E-05	2.87269E-05	8.21117E-05	8.74906E-05	8.7745E-05	9.34229E-05	2.73367E-05	8.21117E-05	8.00328E-05	**7668**
7669	8.56007E-05	9.1331E-05	2.8589E-05	8.19391E-05	8.79934E-05	8.73286E-05	9.29748E-05	2.72585E-05	8.19391E-05	8.05386E-05	**7669**
7670	8.58479E-05	9.16722E-05	2.79015E-05	8.29285E-05	8.73702E-05	8.7982E-05	9.3722E-05	2.69125E-05	8.29285E-05	7.99E-05	**7670**
7671	8.79784E-05	9.40061E-05	2.80075E-05	8.50323E-05	9.2906E-05	9.02331E-05	9.61611E-05	2.71645E-05	8.50323E-05	8.41415E-05	**7671**
7672	9.44923E-05	0.000101006	2.96838E-05	9.09659E-05	9.04334E-05	9.67824E-05	0.00010317	2.88249E-05	9.09659E-05	8.16085E-05	**7672**
7673	0.000104266	0.000111519	3.21095E-05	9.99013E-05	8.87163E-05	0.000106631	0.000113716	3.12572E-05	9.99013E-05	7.98482E-05	**7673**
7674	0.000113702	0.000121351	3.75949E-05	0.000106757	8.73427E-05	0.000115089	0.000122563	3.55674E-05	0.000106757	7.84444E-05	**7674**
7675	0.00012049	0.000128025	4.55262E-05	0.000109836	7.19947E-05	0.000120018	0.000127424	4.1224E-05	0.000109836	6.56054E-05	**7675**
7676	0.000119915	0.000127058	4.88446E-05	0.000107647	5.92985E-05	0.000118412	0.000125472	4.32913E-05	0.000107647	5.55146E-05	**7676**
7677	0.000117338	0.000124301	4.80634E-05	0.00010327	5.10263E-05	0.000114913	0.000121728	4.24084E-05	0.00010327	4.84889E-05	**7677**
7678	0.00011077	0.000117525	4.35592E-05	9.62952E-05	4.51703E-05	0.000108086	0.000114604	3.87413E-05	9.62952E-05	4.39612E-05	**7678**
7679	9.94149E-05	0.000105686	3.70195E-05	8.78634E-05	4.38967E-05	9.78214E-05	0.000103861	3.3567E-05	8.78634E-05	4.26623E-05	**7679**
7680	9.02589E-05	9.63387E-05	2.9769E-05	8.23323E-05	4.29804E-05	9.02745E-05	9.61102E-05	2.81877E-05	8.23323E-05	4.17287E-05	**7680**
7681	7.67915E-05	8.22942E-05	2.20441E-05	7.21244E-05	4.31381E-05	7.8004E-05	8.32645E-05	2.20371E-05	7.21244E-05	4.193E-05	**7681**
7682	7.4335E-05	7.98763E-05	1.92038E-05	7.12865E-05	4.35061E-05	7.63423E-05	8.16324E-05	2.00602E-05	7.12865E-05	4.23123E-05	**7682**
7683	7.37716E-05	7.93564E-05	1.82067E-05	7.16483E-05	4.44542E-05	7.62387E-05	8.1576E-05	1.94541E-05	7.16483E-05	4.32934E-05	**7683**
7684	7.67134E-05	8.25595E-05	1.8549E-05	7.51251E-05	4.6488E-05	7.95892E-05	8.5186E-05	2.0044E-05	7.51251E-05	4.53837E-05	**7684**
7685	8.37037E-05	9.00309E-05	2.07535E-05	8.19473E-05	4.88301E-05	8.67901E-05	9.28612E-05	2.21989E-05	8.19473E-05	4.77865E-05	**7685**
7686	9.25305E-05	9.9417E-05	2.40146E-05	8.97665E-05	4.89286E-05	9.54858E-05	0.000102099	2.51255E-05	8.97665E-05	4.7839E-05	**7686**
7687	9.53525E-05	0.000102161	2.76134E-05	9.40438E-05	9.41393E-05	9.8864E-05	0.000105524	2.80055E-05	9.40438E-05	8.55206E-05	**7687**
7688	9.31134E-05	9.95727E-05	2.88494E-05	9.376E-05	9.25116E-05	9.72607E-05	0.000103692	2.88376E-05	9.376E-05	8.37961E-05	**7688**
7689	9.05285E-05	9.67074E-05	2.90539E-05	9.07049E-05	9.26997E-05	9.42761E-05	0.000100441	2.86845E-05	9.07049E-05	8.39759E-05	**7689**
7690	8.88687E-05	9.48499E-05	2.93601E-05	8.69097E-05	9.29354E-05	9.15189E-05	9.74525E-05	2.83909E-05	8.69097E-05	8.42033E-05	**7690**
7691	8.79438E-05	9.37977E-05	2.97018E-05	8.44218E-05	9.37694E-05	8.98006E-05	9.55826E-05	2.82855E-05	8.44218E-05	8.50433E-05	**7691**
7692	8.61689E-05	9.19424E-05	2.87269E-05	8.21117E-05	8.74906E-05	8.7745E-05	9.34229E-05	2.73367E-05	8.21117E-05	8.00328E-05	**7692**
7693	8.56007E-05	9.1331E-05	2.8589E-05	8.19391E-05	8.79934E-05	8.73286E-05	9.29748E-05	2.72585E-05	8.19391E-05	8.05386E-05	**7693**
7694	8.58479E-05	9.16722E-05	2.79015E-05	8.29285E-05	8.73702E-05	8.7982E-05	9.3722E-05	2.69125E-05	8.29285E-05	7.99E-05	**7694**
7695	8.79784E-05	9.40061E-05	2.80075E-05	8.50323E-05	9.2906E-05	9.02331E-05	9.61611E-05	2.71645E-05	8.50323E-05	8.41415E-05	**7695**
7696	9.44923E-05	0.000101006	2.96838E-05	9.09659E-05	9.04334E-05	9.67824E-05	0.00010317	2.88249E-05	9.09659E-05	8.16085E-05	**7696**
7697	0.000104266	0.000111519	3.21095E-05	9.99013E-05	8.87163E-05	0.000106631	0.000113716	3.12572E-05	9.99013E-05	7.98482E-05	**7697**
7698	0.000113702	0.000121351	3.75949E-05	0.000106757	8.73427E-05	0.000115089	0.000122563	3.55674E-05	0.000106757	7.84444E-05	**7698**
7699	0.00012049	0.000128025	4.55262E-05	0.000109836	7.19947E-05	0.000120018	0.000127424	4.1224E-05	0.000109836	6.56054E-05	**7699**
7700	0.000119915	0.000127058	4.88446E-05	0.000107647	5.92985E-05	0.000118412	0.000125472	4.32913E-05	0.000107647	5.55146E-05	**7700**
7701	0.000117338	0.000124301	4.80634E-05	0.00010327	5.10263E-05	0.000114913	0.000121728	4.24084E-05	0.00010327	4.84889E-05	**7701**
7702	0.00011077	0.000117525	4.35592E-05	9.62952E-05	4.51703E-05	0.000108086	0.000114604	3.87413E-05	9.62952E-05	4.39612E-05	**7702**
7703	9.94149E-05	0.000105686	3.70195E-05	8.78634E-05	4.38967E-05	9.78214E-05	0.000103861	3.3567E-05	8.78634E-05	4.26623E-05	**7703**
7704	9.02589E-05	9.63387E-05	2.9769E-05	8.23323E-05	4.29804E-05	9.02745E-05	9.61102E-05	2.81877E-05	8.23323E-05	4.17287E-05	**7704**
7705	7.67915E-05	8.22942E-05	2.20441E-05	7.21244E-05	4.31381E-05	7.8004E-05	8.32645E-05	2.20371E-05	7.21244E-05	4.193E-05	**7705**
7706	7.4335E-05	7.98763E-05	1.92038E-05	7.12865E-05	4.35061E-05	7.63423E-05	8.16324E-05	2.00602E-05	7.12865E-05	4.23123E-05	**7706**
7707	7.37716E-05	7.93564E-05	1.82067E-05	7.16483E-05	4.44542E-05	7.62387E-05	8.1576E-05	1.94541E-05	7.16483E-05	4.32934E-05	**7707**
7708	7.67134E-05	8.25595E-05	1.8549E-05	7.51251E-05	4.6488E-05	7.95892E-05	8.5186E-05	2.0044E-05	7.51251E-05	4.53837E-05	**7708**
7709	8.37037E-05	9.00309E-05	2.07535E-05	8.19473E-05	4.88301E-05	8.67901E-05	9.28612E-05	2.21989E-05	8.19473E-05	4.77865E-05	**7709**
7710	9.25305E-05	9.9417E-05	2.40146E-05	8.97665E-05	4.89286E-05	9.54858E-05	0.000102099	2.51255E-05	8.97665E-05	4.7839E-05	**7710**
7711	9.53525E-05	0.000102161	2.76134E-05	9.40438E-05	9.41393E-05	9.8864E-05	0.000105524	2.80055E-05	9.40438E-05	8.55206E-05	**7711**
7712	9.31134E-05	9.95727E-05	2.88494E-05	9.376E-05	9.25116E-05	9.72607E-05	0.000103692	2.88376E-05	9.376E-05	8.37961E-05	**7712**
7713	9.05285E-05	9.67074E-05	2.90539E-05	9.07049E-05	9.26997E-05	9.42761E-05	0.000100441	2.86845E-05	9.07049E-05	8.39759E-05	**7713**
7714	8.88687E-05	9.48499E-05	2.93601E-05	8.69097E-05	9.29354E-05	9.15189E-05	9.74525E-05	2.83909E-05	8.69097E-05	8.42033E-05	**7714**
7715	8.79438E-05	9.37977E-05	2.97018E-05	8.44218E-05	9.37694E-05	8.98006E-05	9.55826E-05	2.82855E-05	8.44218E-05	8.50433E-05	**7715**
7716	8.61689E-05	9.19424E-05	2.87269E-05	8.21117E-05	8.74906E-05	8.7745E-05	9.34229E-05	2.73367E-05	8.21117E-05	8.00328E-05	**7716**
7717	8.56007E-05	9.1331E-05	2.8589E-05	8.19391E-05	8.79934E-05	8.73286E-05	9.29748E-05	2.72585E-05	8.19391E-05	8.05386E-05	**7717**
7718	8.58479E-05	9.16722E-05	2.79015E-05	8.29285E-05	8.73702E-05	8.7982E-05	9.3722E-05	2.69125E-05	8.29285E-05	7.99E-05	**7718**
7719	8.79784E-05	9.40061E-05	2.80075E-05	8.50323E-05	9.2906E-05	9.02331E-05	9.61611E-05	2.71645E-05	8.50323E-05	8.41415E-05	**7719**
7720	9.44923E-05	0.000101006	2.96838E-05	9.09659E-05	9.04334E-05	9.67824E-05	0.00010317	2.88249E-05	9.09659E-05	8.16085E-05	**7720**
7721	0.000104266	0.000111519	3.21095E-05	9.99013E-05	8.87163E-05	0.000106631	0.000113716	3.12572E-05	9.99013E-05	7.98482E-05	**7721**
7722	0.000113702	0.000121351	3.75949E-05	0.000106757	8.73427E-05	0.000115089	0.000122563	3.55674E-05	0.000106757	7.84444E-05	**7722**
7723	0.00012049	0.000128025	4.55262E-05	0.000109836	7.19947E-05	0.000120018	0.000127424	4.1224E-05	0.000109836	6.56054E-05	**7723**
7724	0.000119915	0.000127058	4.88446E-05	0.000107647	5.92985E-05	0.000118412	0.000125472	4.32913E-05	0.000107647	5.55146E-05	**7724**
7725	0.000117338	0.000124301	4.80634E-05	0.00010327	5.10263E-05	0.000114913	0.000121728	4.24084E-05	0.00010327	4.84889E-05	**7725**
7726	0.00011077	0.000117525	4.35592E-05	9.62952E-05	4.51703E-05	0.000108086	0.000114604	3.87413E-05	9.62952E-05	4.39612E-05	**7726**
7727	9.94149E-05	0.000105686	3.70195E-05	8.78634E-05	4.38967E-05	9.78214E-05	0.000103861	3.3567E-05	8.78634E-05	4.26623E-05	**7727**
7728	9.02589E-05	9.63387E-05	2.9769E-05	8.23323E-05	4.29804E-05	9.02745E-05	9.61102E-05	2.81877E-05	8.23323E-05	4.17287E-05	**7728**
7729	7.67915E-05	8.22942E-05	2.20441E-05	7.21244E-05	4.31381E-05	7.8004E-05	8.32645E-05	2.20371E-05	7.21244E-05	4.193E-05	**7729**
7730	7.4335E-05	7.98763E-05	1.92038E-05	7.12865E-05	4.35061E-05	7.63423E-05	8.16324E-05	2.00602E-05	7.12865E-05	4.23123E-05	**7730**
7731	7.37716E-05	7.93564E-05	1.82067E-05	7.16483E-05	4.44542E-05	7.62387E-05	8.1576E-05	1.94541E-05	7.16483E-05	4.32934E-05	**7731**
7732	7.67134E-05	8.25595E-05	1.8549E-05	7.51251E-05	4.6488E-05	7.95892E-05	8.5186E-05	2.0044E-05	7.51251E-05	4.53837E-05	**7732**
7733	8.37037E-05	9.00309E-05	2.07535E-05	8.19473E-05	4.88301E-05	8.67901E-05	9.28612E-05	2.21989E-05	8.19473E-05	4.77865E-05	**7733**
7734	9.25305E-05	9.9417E-05	2.40146E-05	8.97665E-05	4.89286E-05	9.54858E-05	0.000102099	2.51255E-05	8.97665E-05	4.7839E-05	**7734**
7735	9.53525E-05	0.000102161	2.76134E-05	9.40438E-05	9.41393E-05	9.8864E-05	0.000105524	2.80055E-05	9.40438E-05	8.55206E-05	**7735**
7736	9.31134E-05	9.95727E-05	2.88494E-05	9.376E-05	9.25116E-05	9.72607E-05	0.000103692	2.88376E-05	9.376E-05	8.37961E-05	**7736**
7737	9.05285E-05	9.67074E-05	2.90539E-05	9.07049E-05	9.26997E-05	9.42761E-05	0.000100441	2.86845E-05	9.07049E-05	8.39759E-05	**7737**
7738	8.88687E-05	9.48499E-05	2.93601E-05	8.69097E-05	9.29354E-05	9.15189E-05	9.74525E-05	2.83909E-05	8.69097E-05	8.42033E-05	**7738**
7739	8.79438E-05	9.37977E-05	2.97018E-05	8.44218E-05	9.37694E-05	8.98006E-05	9.55826E-05	2.82855E-05	8.44218E-05	8.50433E-05	**7739**
7740	8.61689E-05	9.19424E-05	2.87269E-05	8.21117E-05	8.74906E-05	8.7745E-05	9.34229E-05	2.73367E-05	8.21117E-05	8.00328E-05	**7740**
7741	8.56007E-05	9.1331E-05	2.8589E-05	8.19391E-05	8.79934E-05	8.73286E-05	9.29748E-05	2.72585E-05	8.19391E-05	8.05386E-05	**7741**
7742	8.58479E-05	9.16722E-05	2.79015E-05	8.29285E-05	8.73702E-05	8.7982E-05	9.3722E-05	2.69125E-05	8.29285E-05	7.99E-05	**7742**
7743	8.79784E-05	9.40061E-05	2.80075E-05	8.50323E-05	9.2906E-05	9.02331E-05	9.61611E-05	2.71645E-05	8.50323E-05	8.41415E-05	**7743**

7744	9.44923E-05	0.000101006	2.96838E-05	9.09659E-05	9.04334E-05	9.67824E-05	0.00010317	2.88249E-05	9.09659E-05	8.16085E-05	7744
7745	0.000104266	0.000111519	3.21095E-05	9.99013E-05	8.87163E-05	0.000106631	0.000113716	3.12572E-05	9.99013E-05	7.98482E-05	7745
7746	0.000113702	0.000121351	3.75949E-05	0.000106757	8.73427E-05	0.000115089	0.000122563	3.55674E-05	0.000106757	7.84444E-05	7746
7747	0.00012049	0.000128025	4.55262E-05	0.000109836	7.19947E-05	0.000120018	0.000127424	4.1224E-05	0.000109836	6.56054E-05	7747
7748	0.000119915	0.000127058	4.88446E-05	0.000107647	5.92985E-05	0.000118412	0.000125472	4.32913E-05	0.000107647	5.55146E-05	7748
7749	0.000117338	0.000124301	4.80634E-05	0.00010327	5.10263E-05	0.000114913	0.000121728	4.24084E-05	0.00010327	4.84889E-05	7749
7750	0.00011077	0.000117525	4.35592E-05	9.62952E-05	4.51703E-05	0.000108086	0.000114604	3.87413E-05	9.62952E-05	4.39612E-05	7750
7751	9.94149E-05	0.000105686	3.70195E-05	8.78634E-05	4.38967E-05	9.78214E-05	0.000103861	3.3567E-05	8.78634E-05	4.26623E-05	7751
7752	9.02589E-05	9.63387E-05	2.9769E-05	8.23323E-05	4.29804E-05	9.02745E-05	9.61102E-05	2.81877E-05	8.23323E-05	4.17287E-05	7752
7753	7.76756E-05	8.32522E-05	2.21931E-05	7.29183E-05	4.27639E-05	7.88941E-05	8.42226E-05	2.22037E-05	7.29183E-05	4.15423E-05	7753
7754	7.42007E-05	7.97297E-05	1.91918E-05	7.1235E-05	4.35729E-05	7.62374E-05	8.15182E-05	2.00547E-05	7.1235E-05	4.23829E-05	7754
7755	7.36706E-05	7.92459E-05	1.82014E-05	7.16336E-05	4.45534E-05	7.61703E-05	8.1501E-05	1.94568E-05	7.16336E-05	4.33973E-05	7755
7756	7.66408E-05	8.24786E-05	1.85587E-05	7.52023E-05	4.66327E-05	7.95785E-05	8.51717E-05	2.00712E-05	7.52023E-05	4.55342E-05	7756
7757	8.3655E-05	8.99767E-05	2.07585E-05	8.19891E-05	4.90249E-05	8.67785E-05	9.28471E-05	2.22142E-05	8.19891E-05	4.79882E-05	7757
7758	9.23989E-05	9.92742E-05	2.39961E-05	8.96716E-05	4.92335E-05	9.53635E-05	0.000101967	2.51073E-05	8.96716E-05	4.81533E-05	7758
7759	9.66275E-05	0.000103563	2.76284E-05	9.39958E-05	9.46898E-05	9.96248E-05	0.000106356	2.80126E-05	9.39958E-05	8.60869E-05	7759
7760	9.26759E-05	9.90991E-05	2.87705E-05	9.33335E-05	9.33084E-05	9.68054E-05	0.000103203	2.87454E-05	9.33335E-05	8.46144E-05	7760
7761	8.97554E-05	9.58678E-05	2.89422E-05	9.01313E-05	9.34958E-05	9.35507E-05	9.96581E-05	2.85734E-05	9.01313E-05	8.47926E-05	7761
7762	8.77725E-05	9.3663E-05	2.9167E-05	8.58713E-05	9.36894E-05	9.03917E-05	9.62402E-05	2.81688E-05	8.58713E-05	8.49755E-05	7762
7763	8.65498E-05	9.22877E-05	2.94623E-05	8.31406E-05	9.44993E-05	8.83843E-05	9.40587E-05	2.80143E-05	8.31406E-05	8.57897E-05	7763
7764	8.4717E-05	9.0369E-05	2.84845E-05	8.08233E-05	8.82316E-05	8.62901E-05	9.18566E-05	2.70675E-05	8.08233E-05	8.07893E-05	7764
7765	8.42643E-05	8.98839E-05	2.83538E-05	8.06745E-05	8.87376E-05	8.59549E-05	9.14974E-05	2.69881E-05	8.06745E-05	8.12965E-05	7765
7766	8.42315E-05	8.99212E-05	2.76238E-05	8.14439E-05	8.79624E-05	8.63402E-05	9.19555E-05	2.65984E-05	8.14439E-05	8.05012E-05	7766
7767	8.69812E-05	9.2926E-05	2.78361E-05	8.41157E-05	9.33949E-05	8.92199E-05	9.50709E-05	2.69705E-05	8.41157E-05	8.46369E-05	7767
7768	9.35949E-05	0.000100037	2.95016E-05	8.99598E-05	9.08336E-05	9.57912E-05	0.000102107	2.85983E-05	8.99598E-05	8.20142E-05	7768
7769	0.000103677	0.000110883	3.19855E-05	9.92126E-05	8.90452E-05	0.000105968	0.000113005	3.11004E-05	9.92126E-05	8.01822E-05	7769
7770	0.000112904	0.00012049	3.74299E-05	0.000105843	8.75999E-05	0.000114199	0.000121609	3.53602E-05	0.000105843	7.87064E-05	7770
7771	0.000119757	0.000127232	4.53847E-05	0.000109062	7.22371E-05	0.00011923	0.000126578	4.10525E-05	0.000109062	6.58525E-05	7771
7772	0.000119224	0.000126312	4.87016E-05	0.000106855	5.95222E-05	0.000117641	0.000124646	4.31118E-05	0.000106855	5.57436E-05	7772
7773	0.000115159	0.000121923	4.78668E-05	0.000102317	5.1218E-05	0.000113159	0.000119831	4.21767E-05	0.000102317	4.86856E-05	7773
7774	0.000110095	0.000116796	4.34223E-05	9.55389E-05	4.53286E-05	0.000107341	0.000113805	3.8571E-05	9.55389E-05	4.41237E-05	7774
7775	9.89367E-05	0.000105171	3.69117E-05	8.72576E-05	4.39391E-05	9.72625E-05	0.000103263	3.34262E-05	8.72576E-05	4.27053E-05	7775
7776	8.99181E-05	9.59712E-05	2.96939E-05	8.19124E-05	4.28658E-05	8.98815E-05	9.56894E-05	2.80908E-05	8.19124E-05	4.16104E-05	7776
7777	7.76756E-05	8.32522E-05	2.21931E-05	7.29183E-05	4.27639E-05	7.88941E-05	8.42226E-05	2.22037E-05	7.29183E-05	4.15423E-05	7777
7778	7.42007E-05	7.97297E-05	1.91918E-05	7.1235E-05	4.35729E-05	7.62374E-05	8.15182E-05	2.00547E-05	7.1235E-05	4.23829E-05	7778
7779	7.36706E-05	7.92459E-05	1.82014E-05	7.16336E-05	4.45534E-05	7.61703E-05	8.1501E-05	1.94568E-05	7.16336E-05	4.33973E-05	7779
7780	7.66408E-05	8.24786E-05	1.85587E-05	7.52023E-05	4.66327E-05	7.95785E-05	8.51717E-05	2.00712E-05	7.52023E-05	4.55342E-05	7780
7781	8.3655E-05	8.99767E-05	2.07585E-05	8.19891E-05	4.90249E-05	8.67785E-05	9.28471E-05	2.22142E-05	8.19891E-05	4.79882E-05	7781
7782	9.23989E-05	9.92742E-05	2.39961E-05	8.96716E-05	4.92335E-05	9.53635E-05	0.000101967	2.51073E-05	8.96716E-05	4.81533E-05	7782
7783	9.66275E-05	0.000103563	2.76284E-05	9.39958E-05	9.46898E-05	9.96248E-05	0.000106356	2.80126E-05	9.39958E-05	8.60869E-05	7783
7784	9.26759E-05	9.90991E-05	2.87705E-05	9.33335E-05	9.33084E-05	9.68054E-05	0.000103203	2.87454E-05	9.33335E-05	8.46144E-05	7784
7785	8.97554E-05	9.58678E-05	2.89422E-05	9.01313E-05	9.34958E-05	9.35507E-05	9.96581E-05	2.85734E-05	9.01313E-05	8.47926E-05	7785
7786	8.77725E-05	9.3663E-05	2.9167E-05	8.58713E-05	9.36894E-05	9.03917E-05	9.62402E-05	2.81688E-05	8.58713E-05	8.49755E-05	7786
7787	8.65498E-05	9.22877E-05	2.94623E-05	8.31406E-05	9.44993E-05	8.83843E-05	9.40587E-05	2.80143E-05	8.31406E-05	8.57897E-05	7787
7788	8.4717E-05	9.0369E-05	2.84845E-05	8.08233E-05	8.82316E-05	8.62901E-05	9.18566E-05	2.70675E-05	8.08233E-05	8.07893E-05	7788
7789	8.42643E-05	8.98839E-05	2.83538E-05	8.06745E-05	8.87376E-05	8.59549E-05	9.14974E-05	2.69881E-05	8.06745E-05	8.12965E-05	7789
7790	8.42315E-05	8.99212E-05	2.76238E-05	8.14439E-05	8.79624E-05	8.63402E-05	9.19555E-05	2.65984E-05	8.14439E-05	8.05012E-05	7790
7791	8.69812E-05	9.2926E-05	2.78361E-05	8.41157E-05	9.33949E-05	8.92199E-05	9.50709E-05	2.69705E-05	8.41157E-05	8.46369E-05	7791
7792	9.35949E-05	0.000100037	2.95016E-05	8.99598E-05	9.08336E-05	9.57912E-05	0.000102107	2.85983E-05	8.99598E-05	8.20142E-05	7792
7793	0.000103677	0.000110883	3.19855E-05	9.92126E-05	8.90452E-05	0.000105968	0.000113005	3.11004E-05	9.92126E-05	8.01822E-05	7793
7794	0.000112904	0.00012049	3.74299E-05	0.000105843	8.75999E-05	0.000114199	0.000121609	3.53602E-05	0.000105843	7.87064E-05	7794
7795	0.000119757	0.000127232	4.53847E-05	0.000109062	7.22371E-05	0.00011923	0.000126578	4.10525E-05	0.000109062	6.58525E-05	7795
7796	0.000119224	0.000126312	4.87016E-05	0.000106855	5.95222E-05	0.000117641	0.000124646	4.31118E-05	0.000106855	5.57436E-05	7796
7797	0.000115159	0.000121923	4.78668E-05	0.000102317	5.1218E-05	0.000113159	0.000119831	4.21767E-05	0.000102317	4.86856E-05	7797
7798	0.000110095	0.000116796	4.34223E-05	9.55389E-05	4.53286E-05	0.000107341	0.000113805	3.8571E-05	9.55389E-05	4.41237E-05	7798
7799	9.89367E-05	0.000105171	3.69117E-05	8.72576E-05	4.39391E-05	9.72625E-05	0.000103263	3.34262E-05	8.72576E-05	4.27053E-05	7799
7800	8.99181E-05	9.59712E-05	2.96939E-05	8.19124E-05	4.28658E-05	8.98815E-05	9.56894E-05	2.80908E-05	8.19124E-05	4.16104E-05	7800
7801	7.67915E-05	8.22942E-05	2.20441E-05	7.21244E-05	4.31381E-05	7.8004E-05	8.32645E-05	2.20371E-05	7.21244E-05	4.193E-05	7801
7802	7.4335E-05	7.98763E-05	1.92038E-05	7.12865E-05	4.35061E-05	7.63423E-05	8.16324E-05	2.00602E-05	7.12865E-05	4.23123E-05	7802
7803	7.37716E-05	7.93564E-05	1.82067E-05	7.16483E-05	4.44542E-05	7.62387E-05	8.1576E-05	1.94541E-05	7.16483E-05	4.32934E-05	7803
7804	7.67134E-05	8.25595E-05	1.8549E-05	7.51251E-05	4.6488E-05	7.95892E-05	8.5186E-05	2.0044E-05	7.51251E-05	4.53837E-05	7804
7805	8.37037E-05	9.00309E-05	2.07535E-05	8.19473E-05	4.88301E-05	8.67901E-05	9.28612E-05	2.21989E-05	8.19473E-05	4.77865E-05	7805
7806	9.25305E-05	9.9417E-05	2.40146E-05	8.97665E-05	4.89286E-05	9.54858E-05	0.000102099	2.51255E-05	8.97665E-05	4.7839E-05	7806
7807	9.53525E-05	0.000102161	2.76134E-05	9.40438E-05	9.41393E-05	9.8864E-05	0.000105524	2.80055E-05	9.40438E-05	8.55206E-05	7807
7808	9.31134E-05	9.95727E-05	2.88494E-05	9.376E-05	9.25116E-05	9.72607E-05	0.000103692	2.88376E-05	9.376E-05	8.37961E-05	7808
7809	9.05285E-05	9.67074E-05	2.90539E-05	9.07049E-05	9.26997E-05	9.42761E-05	0.000100441	2.86845E-05	9.07049E-05	8.39759E-05	7809
7810	8.88687E-05	9.48499E-05	2.93601E-05	8.69097E-05	9.29354E-05	9.15189E-05	9.74525E-05	2.83909E-05	8.69097E-05	8.42033E-05	7810
7811	8.79438E-05	9.37977E-05	2.97018E-05	8.44218E-05	9.37694E-05	8.98006E-05	9.55826E-05	2.82855E-05	8.44218E-05	8.50433E-05	7811
7812	8.61689E-05	9.19424E-05	2.87269E-05	8.21117E-05	8.74906E-05	8.7745E-05	9.34229E-05	2.73367E-05	8.21117E-05	8.00328E-05	7812
7813	8.56007E-05	9.1331E-05	2.8589E-05	8.19391E-05	8.79934E-05	8.73286E-05	9.29748E-05	2.72585E-05	8.19391E-05	8.05386E-05	7813
7814	8.58479E-05	9.16722E-05	2.79015E-05	8.29285E-05	8.73702E-05	8.7982E-05	9.3722E-05	2.69125E-05	8.29285E-05	7.99E-05	7814
7815	8.79784E-05	9.40061E-05	2.80075E-05	8.50323E-05	9.2906E-05	9.02331E-05	9.61611E-05	2.71645E-05	8.50323E-05	8.41415E-05	7815
7816	9.44923E-05	0.000101006	2.96838E-05	9.09659E-05	9.04334E-05	9.67824E-05	0.00010317	2.88249E-05	9.09659E-05	8.16085E-05	7816
7817	0.000104266	0.000111519	3.21095E-05	9.99013E-05	8.87163E-05	0.000106631	0.000113716	3.12572E-05	9.99013E-05	7.98482E-05	7817
7818	0.000113702	0.000121351	3.75949E-05	0.000106757	8.73427E-05	0.000115089	0.000122563	3.55674E-05	0.000106757	7.84444E-05	7818
7819	0.00012049	0.000128025	4.55262E-05	0.000109836	7.19947E-05	0.000120018	0.000127424	4.1224E-05	0.000109836	6.56054E-05	7819

7820	0.000119915	0.000127058	4.88446E-05	0.000107647	5.92985E-05	0.000118412	0.000125472	4.32913E-05	0.000107647	5.55146E-05	7820
7821	0.000117338	0.000124301	4.80634E-05	0.00010327	5.10263E-05	0.000114913	0.000121728	4.24084E-05	0.00010327	4.84889E-05	7821
7822	0.00011077	0.000117525	4.35592E-05	9.62952E-05	4.51703E-05	0.000108086	0.000114604	3.87413E-05	9.62952E-05	4.39612E-05	7822
7823	9.94149E-05	0.000105686	3.70195E-05	8.78634E-05	4.38967E-05	9.78214E-05	0.000103861	3.3567E-05	8.78634E-05	4.26623E-05	7823
7824	9.02589E-05	9.63387E-05	2.9769E-05	8.23323E-05	4.29804E-05	9.02745E-05	9.61102E-05	2.81877E-05	8.23323E-05	4.17287E-05	7824
7825	7.67915E-05	8.22942E-05	2.20441E-05	7.21244E-05	4.31381E-05	7.8004E-05	8.32645E-05	2.20371E-05	7.21244E-05	4.193E-05	7825
7826	7.4335E-05	7.98763E-05	1.92038E-05	7.12865E-05	4.35061E-05	7.63423E-05	8.16324E-05	2.00602E-05	7.12865E-05	4.23123E-05	7826
7827	7.37716E-05	7.93564E-05	1.82067E-05	7.16483E-05	4.44542E-05	7.62387E-05	8.1576E-05	1.94541E-05	7.16483E-05	4.32934E-05	7827
7828	7.67134E-05	8.25595E-05	1.8549E-05	7.51251E-05	4.6488E-05	7.95892E-05	8.5186E-05	2.0044E-05	7.51251E-05	4.53837E-05	7828
7829	8.37037E-05	9.00309E-05	2.07535E-05	8.19473E-05	4.88301E-05	8.67901E-05	9.28612E-05	2.21989E-05	8.19473E-05	4.77865E-05	7829
7830	9.25305E-05	9.9417E-05	2.40146E-05	8.97665E-05	4.89286E-05	9.54858E-05	0.000102099	2.51255E-05	8.97665E-05	4.7839E-05	7830
7831	9.53525E-05	0.000102161	2.76134E-05	9.40438E-05	9.41393E-05	9.8864E-05	0.000105524	2.80055E-05	9.40438E-05	8.55206E-05	7831
7832	9.31134E-05	9.95727E-05	2.88494E-05	9.376E-05	9.25116E-05	9.72607E-05	0.000103692	2.88376E-05	9.376E-05	8.37961E-05	7832
7833	9.05285E-05	9.67074E-05	2.90539E-05	9.07049E-05	9.26997E-05	9.42761E-05	0.000100441	2.86845E-05	9.07049E-05	8.39759E-05	7833
7834	8.88687E-05	9.48499E-05	2.93601E-05	8.69097E-05	9.29354E-05	9.15189E-05	9.74525E-05	2.83909E-05	8.69097E-05	8.42033E-05	7834
7835	8.79438E-05	9.37977E-05	2.97018E-05	8.44218E-05	9.37694E-05	8.98006E-05	9.55826E-05	2.82855E-05	8.44218E-05	8.50433E-05	7835
7836	8.61689E-05	9.19424E-05	2.87269E-05	8.21117E-05	8.74906E-05	8.7745E-05	9.34229E-05	2.73367E-05	8.21117E-05	8.00328E-05	7836
7837	8.56007E-05	9.1331E-05	2.8589E-05	8.19391E-05	8.79934E-05	8.73286E-05	9.29748E-05	2.72585E-05	8.19391E-05	8.05386E-05	7837
7838	8.58479E-05	9.16722E-05	2.79015E-05	8.29285E-05	8.73702E-05	8.7982E-05	9.3722E-05	2.69125E-05	8.29285E-05	7.99E-05	7838
7839	8.79784E-05	9.40061E-05	2.80075E-05	8.50323E-05	9.2906E-05	9.02331E-05	9.61611E-05	2.71645E-05	8.50323E-05	8.41415E-05	7839
7840	9.44923E-05	0.000101006	2.96838E-05	9.09659E-05	9.04334E-05	9.67824E-05	0.00010317	2.88249E-05	9.09659E-05	8.16085E-05	7840
7841	0.000104266	0.000111519	3.21095E-05	9.99013E-05	8.87163E-05	0.000106631	0.000113716	3.12572E-05	9.99013E-05	7.98482E-05	7841
7842	0.000113702	0.000121351	3.75949E-05	0.000106757	8.73427E-05	0.000115089	0.000122563	3.55674E-05	0.000106757	7.84444E-05	7842
7843	0.00012049	0.000128025	4.55262E-05	0.000109836	7.19947E-05	0.000120018	0.000127424	4.1224E-05	0.000109836	6.56054E-05	7843
7844	0.000119915	0.000127058	4.88446E-05	0.000107647	5.92985E-05	0.000118412	0.000125472	4.32913E-05	0.000107647	5.55146E-05	7844
7845	0.000117338	0.000124301	4.80634E-05	0.00010327	5.10263E-05	0.000114913	0.000121728	4.24084E-05	0.00010327	4.84889E-05	7845
7846	0.00011077	0.000117525	4.35592E-05	9.62952E-05	4.51703E-05	0.000108086	0.000114604	3.87413E-05	9.62952E-05	4.39612E-05	7846
7847	9.94149E-05	0.000105686	3.70195E-05	8.78634E-05	4.38967E-05	9.78214E-05	0.000103861	3.3567E-05	8.78634E-05	4.26623E-05	7847
7848	9.02589E-05	9.63387E-05	2.9769E-05	8.23323E-05	4.29804E-05	9.02745E-05	9.61102E-05	2.81877E-05	8.23323E-05	4.17287E-05	7848
7849	7.67915E-05	8.22942E-05	2.20441E-05	7.21244E-05	4.31381E-05	7.8004E-05	8.32645E-05	2.20371E-05	7.21244E-05	4.193E-05	7849
7850	7.4335E-05	7.98763E-05	1.92038E-05	7.12865E-05	4.35061E-05	7.63423E-05	8.16324E-05	2.00602E-05	7.12865E-05	4.23123E-05	7850
7851	7.37716E-05	7.93564E-05	1.82067E-05	7.16483E-05	4.44542E-05	7.62387E-05	8.1576E-05	1.94541E-05	7.16483E-05	4.32934E-05	7851
7852	7.67134E-05	8.25595E-05	1.8549E-05	7.51251E-05	4.6488E-05	7.95892E-05	8.5186E-05	2.0044E-05	7.51251E-05	4.53837E-05	7852
7853	8.37037E-05	9.00309E-05	2.07535E-05	8.19473E-05	4.88301E-05	8.67901E-05	9.28612E-05	2.21989E-05	8.19473E-05	4.77865E-05	7853
7854	9.25305E-05	9.9417E-05	2.40146E-05	8.97665E-05	4.89286E-05	9.54858E-05	0.000102099	2.51255E-05	8.97665E-05	4.7839E-05	7854
7855	9.53525E-05	0.000102161	2.76134E-05	9.40438E-05	9.41393E-05	9.8864E-05	0.000105524	2.80055E-05	9.40438E-05	8.55206E-05	7855
7856	9.31134E-05	9.95727E-05	2.88494E-05	9.376E-05	9.25116E-05	9.72607E-05	0.000103692	2.88376E-05	9.376E-05	8.37961E-05	7856
7857	9.05285E-05	9.67074E-05	2.90539E-05	9.07049E-05	9.26997E-05	9.42761E-05	0.000100441	2.86845E-05	9.07049E-05	8.39759E-05	7857
7858	8.88687E-05	9.48499E-05	2.93601E-05	8.69097E-05	9.29354E-05	9.15189E-05	9.74525E-05	2.83909E-05	8.69097E-05	8.42033E-05	7858
7859	8.79438E-05	9.37977E-05	2.97018E-05	8.44218E-05	9.37694E-05	8.98006E-05	9.55826E-05	2.82855E-05	8.44218E-05	8.50433E-05	7859
7860	8.61689E-05	9.19424E-05	2.87269E-05	8.21117E-05	8.74906E-05	8.7745E-05	9.34229E-05	2.73367E-05	8.21117E-05	8.00328E-05	7860
7861	8.56007E-05	9.1331E-05	2.8589E-05	8.19391E-05	8.79934E-05	8.73286E-05	9.29748E-05	2.72585E-05	8.19391E-05	8.05386E-05	7861
7862	8.58479E-05	9.16722E-05	2.79015E-05	8.29285E-05	8.73702E-05	8.7982E-05	9.3722E-05	2.69125E-05	8.29285E-05	7.99E-05	7862
7863	8.79784E-05	9.40061E-05	2.80075E-05	8.50323E-05	9.2906E-05	9.02331E-05	9.61611E-05	2.71645E-05	8.50323E-05	8.41415E-05	7863
7864	9.44923E-05	0.000101006	2.96838E-05	9.09659E-05	9.04334E-05	9.67824E-05	0.00010317	2.88249E-05	9.09659E-05	8.16085E-05	7864
7865	0.000104266	0.000111519	3.21095E-05	9.99013E-05	8.87163E-05	0.000106631	0.000113716	3.12572E-05	9.99013E-05	7.98482E-05	7865
7866	0.000113702	0.000121351	3.75949E-05	0.000106757	8.73427E-05	0.000115089	0.000122563	3.55674E-05	0.000106757	7.84444E-05	7866
7867	0.00012049	0.000128025	4.55262E-05	0.000109836	7.19947E-05	0.000120018	0.000127424	4.1224E-05	0.000109836	6.56054E-05	7867
7868	0.000119915	0.000127058	4.88446E-05	0.000107647	5.92985E-05	0.000118412	0.000125472	4.32913E-05	0.000107647	5.55146E-05	7868
7869	0.000117338	0.000124301	4.80634E-05	0.00010327	5.10263E-05	0.000114913	0.000121728	4.24084E-05	0.00010327	4.84889E-05	7869
7870	0.00011077	0.000117525	4.35592E-05	9.62952E-05	4.51703E-05	0.000108086	0.000114604	3.87413E-05	9.62952E-05	4.39612E-05	7870
7871	9.94149E-05	0.000105686	3.70195E-05	8.78634E-05	4.38967E-05	9.78214E-05	0.000103861	3.3567E-05	8.78634E-05	4.26623E-05	7871
7872	9.02589E-05	9.63387E-05	2.9769E-05	8.23323E-05	4.29804E-05	9.02745E-05	9.61102E-05	2.81877E-05	8.23323E-05	4.17287E-05	7872
7873	7.76756E-05	8.32522E-05	2.21931E-05	7.29183E-05	4.27639E-05	7.88941E-05	8.42226E-05	2.22037E-05	7.29183E-05	4.15423E-05	7873
7874	7.42007E-05	7.97297E-05	1.91918E-05	7.1235E-05	4.35729E-05	7.62374E-05	8.15182E-05	2.00547E-05	7.1235E-05	4.23829E-05	7874
7875	7.36706E-05	7.92459E-05	1.82014E-05	7.16336E-05	4.45534E-05	7.61703E-05	8.1501E-05	1.94568E-05	7.16336E-05	4.33973E-05	7875
7876	7.66408E-05	8.24786E-05	1.85587E-05	7.52023E-05	4.66327E-05	7.95785E-05	8.51717E-05	2.00712E-05	7.52023E-05	4.55342E-05	7876
7877	8.3655E-05	8.99767E-05	2.07585E-05	8.19891E-05	4.90249E-05	8.67785E-05	9.28471E-05	2.22142E-05	8.19891E-05	4.79882E-05	7877
7878	9.23989E-05	9.92742E-05	2.39961E-05	8.96716E-05	4.92335E-05	9.53635E-05	0.000101967	2.51073E-05	8.96716E-05	4.81533E-05	7878
7879	9.66275E-05	0.000103563	2.76284E-05	9.39958E-05	9.46898E-05	9.96248E-05	0.000106356	2.80126E-05	9.39958E-05	8.60869E-05	7879
7880	9.26759E-05	9.90991E-05	2.87705E-05	9.33335E-05	9.33084E-05	9.68054E-05	0.000103203	2.87454E-05	9.33335E-05	8.46144E-05	7880
7881	8.97554E-05	9.58678E-05	2.89422E-05	9.01313E-05	9.34958E-05	9.35507E-05	9.96581E-05	2.85734E-05	9.01313E-05	8.47926E-05	7881
7882	8.77725E-05	9.3663E-05	2.9167E-05	8.58713E-05	9.36894E-05	9.03917E-05	9.62402E-05	2.81688E-05	8.58713E-05	8.49755E-05	7882
7883	8.65498E-05	9.22877E-05	2.94623E-05	8.31406E-05	9.44993E-05	8.83843E-05	9.40587E-05	2.80143E-05	8.31406E-05	8.57897E-05	7883
7884	8.4717E-05	9.0369E-05	2.84845E-05	8.08233E-05	8.82316E-05	8.62901E-05	9.18566E-05	2.70675E-05	8.08233E-05	8.07893E-05	7884
7885	8.42643E-05	8.98839E-05	2.83538E-05	8.06745E-05	8.87376E-05	8.59549E-05	9.14974E-05	2.69881E-05	8.06745E-05	8.12965E-05	7885
7886	8.42315E-05	8.99212E-05	2.76238E-05	8.14439E-05	8.79624E-05	8.63402E-05	9.19555E-05	2.65984E-05	8.14439E-05	8.05012E-05	7886
7887	8.69812E-05	9.2926E-05	2.78361E-05	8.41157E-05	9.33949E-05	8.92199E-05	9.50709E-05	2.69705E-05	8.41157E-05	8.46369E-05	7887
7888	9.35949E-05	0.000100037	2.95016E-05	8.99598E-05	9.08336E-05	9.57912E-05	0.000102107	2.85983E-05	8.99598E-05	8.20142E-05	7888
7889	0.000103677	0.000110883	3.19855E-05	9.92126E-05	8.90452E-05	0.000105968	0.000113005	3.11004E-05	9.92126E-05	8.01822E-05	7889
7890	0.000112904	0.00012049	3.74299E-05	0.000105843	8.75999E-05	0.000114199	0.000121609	3.53602E-05	0.000105843	7.87064E-05	7890
7891	0.000119757	0.000127232	4.53847E-05	0.000109062	7.22371E-05	0.00011923	0.000126578	4.10525E-05	0.000109062	6.58525E-05	7891
7892	0.000119224	0.000126312	4.87016E-05	0.000106855	5.95222E-05	0.000117641	0.000124646	4.31118E-05	0.000106855	5.57436E-05	7892
7893	0.000115159	0.000121923	4.78668E-05	0.000102317	5.1218E-05	0.000113159	0.000119831	4.21767E-05	0.000102317	4.86856E-05	7893
7894	0.000110095	0.000116796	4.34223E-05	9.55389E-05	4.53286E-05	0.000107341	0.000113805	3.8571E-05	9.55389E-05	4.41237E-05	7894
7895	9.89367E-05	0.000105171	3.69117E-05	8.72576E-05	4.39391E-05	9.72625E-05	0.000103263	3.34262E-05	8.72576E-05	4.27053E-05	7895

7896	8.99181E-05	9.59712E-05	2.96939E-05	8.19124E-05	4.28658E-05	8.98815E-05	9.56894E-05	2.80908E-05	8.19124E-05	4.16104E-05	7896
7897	7.67915E-05	8.22942E-05	2.20441E-05	7.21244E-05	4.31381E-05	7.8004E-05	8.32645E-05	2.20371E-05	7.21244E-05	4.193E-05	7897
7898	7.4335E-05	7.98763E-05	1.92038E-05	7.12865E-05	4.35061E-05	7.63423E-05	8.16324E-05	2.00602E-05	7.12865E-05	4.23123E-05	7898
7899	7.37716E-05	7.93564E-05	1.82067E-05	7.16483E-05	4.44542E-05	7.62387E-05	8.1576E-05	1.94541E-05	7.16483E-05	4.32934E-05	7899
7900	7.67134E-05	8.25595E-05	1.8549E-05	7.51251E-05	4.6488E-05	7.95892E-05	8.5186E-05	2.0044E-05	7.51251E-05	4.53837E-05	7900
7901	8.37037E-05	9.00309E-05	2.07535E-05	8.19473E-05	4.88301E-05	8.67901E-05	9.28612E-05	2.21989E-05	8.19473E-05	4.77865E-05	7901
7902	9.25305E-05	9.9417E-05	2.40146E-05	8.97665E-05	4.89286E-05	9.54858E-05	0.000102099	2.51255E-05	8.97665E-05	4.7839E-05	7902
7903	9.53525E-05	0.000102161	2.76134E-05	9.40438E-05	9.41393E-05	9.8864E-05	0.000105524	2.80055E-05	9.40438E-05	8.55206E-05	7903
7904	9.31134E-05	9.95727E-05	2.88494E-05	9.376E-05	9.25116E-05	9.72607E-05	0.000103692	2.88376E-05	9.376E-05	8.37961E-05	7904
7905	9.05285E-05	9.67074E-05	2.90539E-05	9.07049E-05	9.26997E-05	9.42761E-05	0.000100441	2.86845E-05	9.07049E-05	8.39759E-05	7905
7906	8.88687E-05	9.48499E-05	2.93601E-05	8.69097E-05	9.29354E-05	9.15189E-05	9.74525E-05	2.83909E-05	8.69097E-05	8.42033E-05	7906
7907	8.79438E-05	9.37977E-05	2.97018E-05	8.44218E-05	9.37694E-05	8.98006E-05	9.55826E-05	2.82855E-05	8.44218E-05	8.50433E-05	7907
7908	8.61689E-05	9.19424E-05	2.87269E-05	8.21117E-05	8.74906E-05	8.7745E-05	9.34229E-05	2.73367E-05	8.21117E-05	8.00328E-05	7908
7909	8.56007E-05	9.1331E-05	2.8589E-05	8.19391E-05	8.79934E-05	8.73286E-05	9.29748E-05	2.72585E-05	8.19391E-05	8.05386E-05	7909
7910	8.58479E-05	9.16722E-05	2.79015E-05	8.29285E-05	8.73702E-05	8.7982E-05	9.3722E-05	2.69125E-05	8.29285E-05	7.99E-05	7910
7911	8.79784E-05	9.40061E-05	2.80075E-05	8.50323E-05	9.2906E-05	9.02331E-05	9.61611E-05	2.71645E-05	8.50323E-05	8.41415E-05	7911
7912	9.44923E-05	0.000101006	2.96838E-05	9.09659E-05	9.04334E-05	9.67824E-05	0.00010317	2.88249E-05	9.09659E-05	8.16085E-05	7912
7913	0.000104266	0.000111519	3.21095E-05	9.99013E-05	8.87163E-05	0.000106631	0.000113716	3.12572E-05	9.99013E-05	7.98482E-05	7913
7914	0.000113702	0.000121351	3.75949E-05	0.000106757	8.73427E-05	0.000115089	0.000122563	3.55674E-05	0.000106757	7.84444E-05	7914
7915	0.00012049	0.000128025	4.55262E-05	0.000109836	7.19947E-05	0.000120018	0.000127424	4.1224E-05	0.000109836	6.56054E-05	7915
7916	0.000119915	0.000127058	4.88446E-05	0.000107647	5.92985E-05	0.000118412	0.000125472	4.32913E-05	0.000107647	5.55146E-05	7916
7917	0.000117338	0.000124301	4.80634E-05	0.00010327	5.10263E-05	0.000114913	0.000121728	4.24084E-05	0.00010327	4.84889E-05	7917
7918	0.00011077	0.000117525	4.35592E-05	9.62952E-05	4.51703E-05	0.000108086	0.000114604	3.87413E-05	9.62952E-05	4.39612E-05	7918
7919	9.94149E-05	0.000105686	3.70195E-05	8.78634E-05	4.38967E-05	9.78214E-05	0.000103861	3.3567E-05	8.78634E-05	4.26623E-05	7919
7920	9.02589E-05	9.63387E-05	2.9769E-05	8.23323E-05	4.29804E-05	9.02745E-05	9.61102E-05	2.81877E-05	8.23323E-05	4.17287E-05	7920
7921	7.76756E-05	8.32522E-05	2.21931E-05	7.29183E-05	4.27639E-05	7.88941E-05	8.42226E-05	2.22037E-05	7.29183E-05	4.15423E-05	7921
7922	7.42007E-05	7.97297E-05	1.91918E-05	7.1235E-05	4.35729E-05	7.62374E-05	8.15182E-05	2.00547E-05	7.1235E-05	4.23829E-05	7922
7923	7.36706E-05	7.92459E-05	1.82014E-05	7.16336E-05	4.45534E-05	7.61703E-05	8.1501E-05	1.94568E-05	7.16336E-05	4.33973E-05	7923
7924	7.66408E-05	8.24786E-05	1.85587E-05	7.52023E-05	4.66327E-05	7.95785E-05	8.51717E-05	2.00712E-05	7.52023E-05	4.55342E-05	7924
7925	8.3655E-05	8.99767E-05	2.07585E-05	8.19891E-05	4.90249E-05	8.67785E-05	9.28471E-05	2.22142E-05	8.19891E-05	4.79882E-05	7925
7926	9.23989E-05	9.92742E-05	2.39961E-05	8.96716E-05	4.92335E-05	9.53635E-05	0.000101967	2.51073E-05	8.96716E-05	4.81533E-05	7926
7927	9.66275E-05	0.000103563	2.76284E-05	9.39958E-05	9.46898E-05	9.96248E-05	0.000106356	2.80126E-05	9.39958E-05	8.60869E-05	7927
7928	9.26759E-05	9.90991E-05	2.87705E-05	9.33335E-05	9.33084E-05	9.68054E-05	0.000103203	2.87454E-05	9.33335E-05	8.46144E-05	7928
7929	8.97554E-05	9.58678E-05	2.89422E-05	9.01313E-05	9.34958E-05	9.35507E-05	9.96581E-05	2.85734E-05	9.01313E-05	8.47926E-05	7929
7930	8.77725E-05	9.3663E-05	2.9167E-05	8.58713E-05	9.36894E-05	9.03917E-05	9.62402E-05	2.81688E-05	8.58713E-05	8.49755E-05	7930
7931	8.65498E-05	9.22877E-05	2.94623E-05	8.31406E-05	9.44993E-05	8.83843E-05	9.40587E-05	2.80143E-05	8.31406E-05	8.57897E-05	7931
7932	8.4717E-05	9.0369E-05	2.84845E-05	8.08233E-05	8.82316E-05	8.62901E-05	9.18566E-05	2.70675E-05	8.08233E-05	8.07893E-05	7932
7933	8.42643E-05	8.98839E-05	2.83538E-05	8.06745E-05	8.87376E-05	8.59549E-05	9.14974E-05	2.69881E-05	8.06745E-05	8.12965E-05	7933
7934	8.42315E-05	8.99212E-05	2.76238E-05	8.14439E-05	8.79624E-05	8.63402E-05	9.19555E-05	2.65984E-05	8.14439E-05	8.05012E-05	7934
7935	8.69812E-05	9.2926E-05	2.78361E-05	8.41157E-05	9.33949E-05	8.92199E-05	9.50709E-05	2.69705E-05	8.41157E-05	8.46369E-05	7935
7936	9.35949E-05	0.000100037	2.95016E-05	8.99598E-05	9.08336E-05	9.57912E-05	0.000102107	2.85983E-05	8.99598E-05	8.20142E-05	7936
7937	0.000103677	0.000110883	3.19855E-05	9.92126E-05	8.90452E-05	0.000105968	0.000113005	3.11004E-05	9.92126E-05	8.01822E-05	7937
7938	0.000112904	0.00012049	3.74299E-05	0.000105843	8.75999E-05	0.000114199	0.000121609	3.53602E-05	0.000105843	7.87064E-05	7938
7939	0.000119757	0.000127232	4.53847E-05	0.000109062	7.22371E-05	0.00011923	0.000126578	4.10525E-05	0.000109062	6.58525E-05	7939
7940	0.000119224	0.000126312	4.87016E-05	0.000106855	5.95222E-05	0.000117641	0.000124646	4.31118E-05	0.000106855	5.57436E-05	7940
7941	0.000115159	0.000121923	4.78668E-05	0.000102317	5.1218E-05	0.000113159	0.000119831	4.21767E-05	0.000102317	4.86856E-05	7941
7942	0.000110095	0.000116796	4.34223E-05	9.55389E-05	4.53286E-05	0.000107341	0.000113805	3.8571E-05	9.55389E-05	4.41237E-05	7942
7943	9.89367E-05	0.000105171	3.69117E-05	8.72576E-05	4.39391E-05	9.72625E-05	0.000103263	3.34262E-05	8.72576E-05	4.27053E-05	7943
7944	8.99181E-05	9.59712E-05	2.96939E-05	8.19124E-05	4.28658E-05	8.98815E-05	9.56894E-05	2.80908E-05	8.19124E-05	4.16104E-05	7944
7945	7.76756E-05	8.32522E-05	2.21931E-05	7.29183E-05	4.27639E-05	7.88941E-05	8.42226E-05	2.22037E-05	7.29183E-05	4.15423E-05	7945
7946	7.42007E-05	7.97297E-05	1.91918E-05	7.1235E-05	4.35729E-05	7.62374E-05	8.15182E-05	2.00547E-05	7.1235E-05	4.23829E-05	7946
7947	7.36706E-05	7.92459E-05	1.82014E-05	7.16336E-05	4.45534E-05	7.61703E-05	8.1501E-05	1.94568E-05	7.16336E-05	4.33973E-05	7947
7948	7.66408E-05	8.24786E-05	1.85587E-05	7.52023E-05	4.66327E-05	7.95785E-05	8.51717E-05	2.00712E-05	7.52023E-05	4.55342E-05	7948
7949	8.3655E-05	8.99767E-05	2.07585E-05	8.19891E-05	4.90249E-05	8.67785E-05	9.28471E-05	2.22142E-05	8.19891E-05	4.79882E-05	7949
7950	9.23989E-05	9.92742E-05	2.39961E-05	8.96716E-05	4.92335E-05	9.53635E-05	0.000101967	2.51073E-05	8.96716E-05	4.81533E-05	7950
7951	9.66275E-05	0.000103563	2.76284E-05	9.39958E-05	9.46898E-05	9.96248E-05	0.000106356	2.80126E-05	9.39958E-05	8.60869E-05	7951
7952	9.26759E-05	9.90991E-05	2.87705E-05	9.33335E-05	9.33084E-05	9.68054E-05	0.000103203	2.87454E-05	9.33335E-05	8.46144E-05	7952
7953	8.97554E-05	9.58678E-05	2.89422E-05	9.01313E-05	9.34958E-05	9.35507E-05	9.96581E-05	2.85734E-05	9.01313E-05	8.47926E-05	7953
7954	8.77725E-05	9.3663E-05	2.9167E-05	8.58713E-05	9.36894E-05	9.03917E-05	9.62402E-05	2.81688E-05	8.58713E-05	8.49755E-05	7954
7955	8.65498E-05	9.22877E-05	2.94623E-05	8.31406E-05	9.44993E-05	8.83843E-05	9.40587E-05	2.80143E-05	8.31406E-05	8.57897E-05	7955
7956	8.4717E-05	9.0369E-05	2.84845E-05	8.08233E-05	8.82316E-05	8.62901E-05	9.18566E-05	2.70675E-05	8.08233E-05	8.07893E-05	7956
7957	8.42643E-05	8.98839E-05	2.83538E-05	8.06745E-05	8.87376E-05	8.59549E-05	9.14974E-05	2.69881E-05	8.06745E-05	8.12965E-05	7957
7958	8.42315E-05	8.99212E-05	2.76238E-05	8.14439E-05	8.79624E-05	8.63402E-05	9.19555E-05	2.65984E-05	8.14439E-05	8.05012E-05	7958
7959	8.69812E-05	9.2926E-05	2.78361E-05	8.41157E-05	9.33949E-05	8.92199E-05	9.50709E-05	2.69705E-05	8.41157E-05	8.46369E-05	7959
7960	9.35949E-05	0.000100037	2.95016E-05	8.99598E-05	9.08336E-05	9.57912E-05	0.000102107	2.85983E-05	8.99598E-05	8.20142E-05	7960
7961	0.000103677	0.000110883	3.19855E-05	9.92126E-05	8.90452E-05	0.000105968	0.000113005	3.11004E-05	9.92126E-05	8.01822E-05	7961
7962	0.000112904	0.00012049	3.74299E-05	0.000105843	8.75999E-05	0.000114199	0.000121609	3.53602E-05	0.000105843	7.87064E-05	7962
7963	0.000119757	0.000127232	4.53847E-05	0.000109062	7.22371E-05	0.00011923	0.000126578	4.10525E-05	0.000109062	6.58525E-05	7963
7964	0.000119224	0.000126312	4.87016E-05	0.000106855	5.95222E-05	0.000117641	0.000124646	4.31118E-05	0.000106855	5.57436E-05	7964
7965	0.000115159	0.000121923	4.78668E-05	0.000102317	5.1218E-05	0.000113159	0.000119831	4.21767E-05	0.000102317	4.86856E-05	7965
7966	0.000110095	0.000116796	4.34223E-05	9.55389E-05	4.53286E-05	0.000107341	0.000113805	3.8571E-05	9.55389E-05	4.41237E-05	7966
7967	9.89367E-05	0.000105171	3.69117E-05	8.72576E-05	4.39391E-05	9.72625E-05	0.000103263	3.34262E-05	8.72576E-05	4.27053E-05	7967
7968	8.99181E-05	9.59712E-05	2.96939E-05	8.19124E-05	4.28658E-05	8.98815E-05	9.56894E-05	2.80908E-05	8.19124E-05	4.16104E-05	7968
7969	7.67915E-05	8.22942E-05	2.20441E-05	7.21244E-05	4.31381E-05	7.8004E-05	8.32645E-05	2.20371E-05	7.21244E-05	4.193E-05	7969
7970	7.4335E-05	7.98763E-05	1.92038E-05	7.12865E-05	4.35061E-05	7.63423E-05	8.16324E-05	2.00602E-05	7.12865E-05	4.23123E-05	7970
7971	7.37716E-05	7.93564E-05	1.82067E-05	7.16483E-05	4.44542E-05	7.62387E-05	8.1576E-05	1.94541E-05	7.16483E-05	4.32934E-05	7971

7972	7.67134E-05	8.25595E-05	1.8549E-05	7.51251E-05	4.6488E-05	7.95892E-05	8.5186E-05	2.0044E-05	7.51251E-05	4.53837E-05	**7972**
7973	8.37037E-05	9.00309E-05	2.07535E-05	8.19473E-05	4.88301E-05	8.67901E-05	9.28612E-05	2.21989E-05	8.19473E-05	4.77865E-05	**7973**
7974	9.25305E-05	9.9417E-05	2.40146E-05	8.97665E-05	4.89286E-05	9.54858E-05	0.000102099	2.51255E-05	8.97665E-05	4.7839E-05	**7974**
7975	9.53525E-05	0.000102161	2.76134E-05	9.40438E-05	9.41393E-05	9.8864E-05	0.000105524	2.80055E-05	9.40438E-05	8.55206E-05	**7975**
7976	9.31134E-05	9.95727E-05	2.88494E-05	9.376E-05	9.25116E-05	9.72607E-05	0.000103692	2.88376E-05	9.376E-05	8.37961E-05	**7976**
7977	9.05285E-05	9.67074E-05	2.90539E-05	9.07049E-05	9.26997E-05	9.42761E-05	0.000100441	2.86845E-05	9.07049E-05	8.39759E-05	**7977**
7978	8.88687E-05	9.48499E-05	2.93601E-05	8.69097E-05	9.29354E-05	9.15189E-05	9.74525E-05	2.83909E-05	8.69097E-05	8.42033E-05	**7978**
7979	8.79438E-05	9.37977E-05	2.97018E-05	8.44218E-05	9.37694E-05	8.98006E-05	9.55826E-05	2.82855E-05	8.44218E-05	8.50433E-05	**7979**
7980	8.61689E-05	9.19424E-05	2.87269E-05	8.21117E-05	8.74906E-05	8.7745E-05	9.34229E-05	2.73367E-05	8.21117E-05	8.00328E-05	**7980**
7981	8.56007E-05	9.1331E-05	2.8589E-05	8.19391E-05	8.79934E-05	8.73286E-05	9.29748E-05	2.72585E-05	8.19391E-05	8.05386E-05	**7981**
7982	8.58479E-05	9.16722E-05	2.79015E-05	8.29285E-05	8.73702E-05	8.7982E-05	9.3722E-05	2.69125E-05	8.29285E-05	7.99E-05	**7982**
7983	8.79784E-05	9.40061E-05	2.80075E-05	8.50323E-05	9.2906E-05	9.02331E-05	9.61611E-05	2.71645E-05	8.50323E-05	8.41415E-05	**7983**
7984	9.44923E-05	0.000101006	2.96838E-05	9.09659E-05	9.04334E-05	9.67824E-05	0.00010317	2.88249E-05	9.09659E-05	8.16085E-05	**7984**
7985	0.000104266	0.000111519	3.21095E-05	9.99013E-05	8.87163E-05	0.000106631	0.000113716	3.12572E-05	9.99013E-05	7.98482E-05	**7985**
7986	0.000113702	0.000121351	3.75949E-05	0.000106757	8.73427E-05	0.000115089	0.000122563	3.55674E-05	0.000106757	7.84444E-05	**7986**
7987	0.00012049	0.000128025	4.55262E-05	0.000109836	7.19947E-05	0.000120018	0.000127424	4.1224E-05	0.000109836	6.56054E-05	**7987**
7988	0.000119915	0.000127058	4.88446E-05	0.000107647	5.92985E-05	0.000118412	0.000125472	4.32913E-05	0.000107647	5.55146E-05	**7988**
7989	0.000117338	0.000124301	4.80634E-05	0.00010327	5.10263E-05	0.000114913	0.000121728	4.24084E-05	0.00010327	4.84889E-05	**7989**
7990	0.00011077	0.000117525	4.35592E-05	9.62952E-05	4.51703E-05	0.000108086	0.000114604	3.87413E-05	9.62952E-05	4.39612E-05	**7990**
7991	9.94149E-05	0.000105686	3.70195E-05	8.78634E-05	4.38967E-05	9.78214E-05	0.000103861	3.3567E-05	8.78634E-05	4.26623E-05	**7991**
7992	9.02589E-05	9.63387E-05	2.9769E-05	8.23323E-05	4.29804E-05	9.02745E-05	9.61102E-05	2.81877E-05	8.23323E-05	4.17287E-05	**7992**
7993	7.67915E-05	8.22942E-05	2.20441E-05	7.21244E-05	4.31381E-05	7.8004E-05	8.32645E-05	2.20371E-05	7.21244E-05	4.193E-05	**7993**
7994	7.4335E-05	7.98763E-05	1.92038E-05	7.12865E-05	4.35061E-05	7.63423E-05	8.16324E-05	2.00602E-05	7.12865E-05	4.23123E-05	**7994**
7995	7.37716E-05	7.93564E-05	1.82067E-05	7.16483E-05	4.44542E-05	7.62387E-05	8.1576E-05	1.94541E-05	7.16483E-05	4.32934E-05	**7995**
7996	7.67134E-05	8.25595E-05	1.8549E-05	7.51251E-05	4.6488E-05	7.95892E-05	8.5186E-05	2.0044E-05	7.51251E-05	4.53837E-05	**7996**
7997	8.37037E-05	9.00309E-05	2.07535E-05	8.19473E-05	4.88301E-05	8.67901E-05	9.28612E-05	2.21989E-05	8.19473E-05	4.77865E-05	**7997**
7998	9.25305E-05	9.9417E-05	2.40146E-05	8.97665E-05	4.89286E-05	9.54858E-05	0.000102099	2.51255E-05	8.97665E-05	4.7839E-05	**7998**
7999	9.53525E-05	0.000102161	2.76134E-05	9.40438E-05	9.41393E-05	9.8864E-05	0.000105524	2.80055E-05	9.40438E-05	8.55206E-05	**7999**
8000	9.31134E-05	9.95727E-05	2.88494E-05	9.376E-05	9.25116E-05	9.72607E-05	0.000103692	2.88376E-05	9.376E-05	8.37961E-05	**8000**
8001	9.05285E-05	9.67074E-05	2.90539E-05	9.07049E-05	9.26997E-05	9.42761E-05	0.000100441	2.86845E-05	9.07049E-05	8.39759E-05	**8001**
8002	8.88687E-05	9.48499E-05	2.93601E-05	8.69097E-05	9.29354E-05	9.15189E-05	9.74525E-05	2.83909E-05	8.69097E-05	8.42033E-05	**8002**
8003	8.79438E-05	9.37977E-05	2.97018E-05	8.44218E-05	9.37694E-05	8.98006E-05	9.55826E-05	2.82855E-05	8.44218E-05	8.50433E-05	**8003**
8004	8.61689E-05	9.19424E-05	2.87269E-05	8.21117E-05	8.74906E-05	8.7745E-05	9.34229E-05	2.73367E-05	8.21117E-05	8.00328E-05	**8004**
8005	8.56007E-05	9.1331E-05	2.8589E-05	8.19391E-05	8.79934E-05	8.73286E-05	9.29748E-05	2.72585E-05	8.19391E-05	8.05386E-05	**8005**
8006	8.58479E-05	9.16722E-05	2.79015E-05	8.29285E-05	8.73702E-05	8.7982E-05	9.3722E-05	2.69125E-05	8.29285E-05	7.99E-05	**8006**
8007	8.79784E-05	9.40061E-05	2.80075E-05	8.50323E-05	9.2906E-05	9.02331E-05	9.61611E-05	2.71645E-05	8.50323E-05	8.41415E-05	**8007**
8008	9.44923E-05	0.000101006	2.96838E-05	9.09659E-05	9.04334E-05	9.67824E-05	0.00010317	2.88249E-05	9.09659E-05	8.16085E-05	**8008**
8009	0.000104266	0.000111519	3.21095E-05	9.99013E-05	8.87163E-05	0.000106631	0.000113716	3.12572E-05	9.99013E-05	7.98482E-05	**8009**
8010	0.000113702	0.000121351	3.75949E-05	0.000106757	8.73427E-05	0.000115089	0.000122563	3.55674E-05	0.000106757	7.84444E-05	**8010**
8011	0.00012049	0.000128025	4.55262E-05	0.000109836	7.19947E-05	0.000120018	0.000127424	4.1224E-05	0.000109836	6.56054E-05	**8011**
8012	0.000119915	0.000127058	4.88446E-05	0.000107647	5.92985E-05	0.000118412	0.000125472	4.32913E-05	0.000107647	5.55146E-05	**8012**
8013	0.000117338	0.000124301	4.80634E-05	0.00010327	5.10263E-05	0.000114913	0.000121728	4.24084E-05	0.00010327	4.84889E-05	**8013**
8014	0.00011077	0.000117525	4.35592E-05	9.62952E-05	4.51703E-05	0.000108086	0.000114604	3.87413E-05	9.62952E-05	4.39612E-05	**8014**
8015	9.94149E-05	0.000105686	3.70195E-05	8.78634E-05	4.38967E-05	9.78214E-05	0.000103861	3.3567E-05	8.78634E-05	4.26623E-05	**8015**
8016	9.02589E-05	9.63387E-05	2.9769E-05	8.23323E-05	4.29804E-05	9.02745E-05	9.61102E-05	2.81877E-05	8.23323E-05	4.17287E-05	**8016**
8017	7.67915E-05	8.22942E-05	2.20441E-05	7.21244E-05	4.31381E-05	7.8004E-05	8.32645E-05	2.20371E-05	7.21244E-05	4.193E-05	**8017**
8018	7.4335E-05	7.98763E-05	1.92038E-05	7.12865E-05	4.35061E-05	7.63423E-05	8.16324E-05	2.00602E-05	7.12865E-05	4.23123E-05	**8018**
8019	7.37716E-05	7.93564E-05	1.82067E-05	7.16483E-05	4.44542E-05	7.62387E-05	8.1576E-05	1.94541E-05	7.16483E-05	4.32934E-05	**8019**
8020	7.67134E-05	8.25595E-05	1.8549E-05	7.51251E-05	4.6488E-05	7.95892E-05	8.5186E-05	2.0044E-05	7.51251E-05	4.53837E-05	**8020**
8021	8.37037E-05	9.00309E-05	2.07535E-05	8.19473E-05	4.88301E-05	8.67901E-05	9.28612E-05	2.21989E-05	8.19473E-05	4.77865E-05	**8021**
8022	9.25305E-05	9.9417E-05	2.40146E-05	8.97665E-05	4.89286E-05	9.54858E-05	0.000102099	2.51255E-05	8.97665E-05	4.7839E-05	**8022**
8023	9.53525E-05	0.000102161	2.76134E-05	9.40438E-05	9.41393E-05	9.8864E-05	0.000105524	2.80055E-05	9.40438E-05	8.55206E-05	**8023**
8024	9.31134E-05	9.95727E-05	2.88494E-05	9.376E-05	9.25116E-05	9.72607E-05	0.000103692	2.88376E-05	9.376E-05	8.37961E-05	**8024**
8025	9.05285E-05	9.67074E-05	2.90539E-05	9.07049E-05	9.26997E-05	9.42761E-05	0.000100441	2.86845E-05	9.07049E-05	8.39759E-05	**8025**
8026	8.88687E-05	9.48499E-05	2.93601E-05	8.69097E-05	9.29354E-05	9.15189E-05	9.74525E-05	2.83909E-05	8.69097E-05	8.42033E-05	**8026**
8027	8.79438E-05	9.37977E-05	2.97018E-05	8.44218E-05	9.37694E-05	8.98006E-05	9.55826E-05	2.82855E-05	8.44218E-05	8.50433E-05	**8027**
8028	8.61689E-05	9.19424E-05	2.87269E-05	8.21117E-05	8.74906E-05	8.7745E-05	9.34229E-05	2.73367E-05	8.21117E-05	8.00328E-05	**8028**
8029	8.56007E-05	9.1331E-05	2.8589E-05	8.19391E-05	8.79934E-05	8.73286E-05	9.29748E-05	2.72585E-05	8.19391E-05	8.05386E-05	**8029**
8030	8.58479E-05	9.16722E-05	2.79015E-05	8.29285E-05	8.73702E-05	8.7982E-05	9.3722E-05	2.69125E-05	8.29285E-05	7.99E-05	**8030**
8031	8.79784E-05	9.40061E-05	2.80075E-05	8.50323E-05	9.2906E-05	9.02331E-05	9.61611E-05	2.71645E-05	8.50323E-05	8.41415E-05	**8031**
8032	9.44923E-05	0.000101006	2.96838E-05	9.09659E-05	9.04334E-05	9.67824E-05	0.00010317	2.88249E-05	9.09659E-05	8.16085E-05	**8032**
8033	0.000104266	0.000111519	3.21095E-05	9.99013E-05	8.87163E-05	0.000106631	0.000113716	3.12572E-05	9.99013E-05	7.98482E-05	**8033**
8034	0.000113702	0.000121351	3.75949E-05	0.000106757	8.73427E-05	0.000115089	0.000122563	3.55674E-05	0.000106757	7.84444E-05	**8034**
8035	0.00012049	0.000128025	4.55262E-05	0.000109836	7.19947E-05	0.000120018	0.000127424	4.1224E-05	0.000109836	6.56054E-05	**8035**
8036	0.000119915	0.000127058	4.88446E-05	0.000107647	5.92985E-05	0.000118412	0.000125472	4.32913E-05	0.000107647	5.55146E-05	**8036**
8037	0.000117338	0.000124301	4.80634E-05	0.00010327	5.10263E-05	0.000114913	0.000121728	4.24084E-05	0.00010327	4.84889E-05	**8037**
8038	0.00011077	0.000117525	4.35592E-05	9.62952E-05	4.51703E-05	0.000108086	0.000114604	3.87413E-05	9.62952E-05	4.39612E-05	**8038**
8039	9.94149E-05	0.000105686	3.70195E-05	8.78634E-05	4.38967E-05	9.78214E-05	0.000103861	3.3567E-05	8.78634E-05	4.26623E-05	**8039**
8040	9.02589E-05	9.63387E-05	2.9769E-05	8.23323E-05	4.29804E-05	9.02745E-05	9.61102E-05	2.81877E-05	8.23323E-05	4.17287E-05	**8040**
8041	9.1826E-05	9.84966E-05	2.54592E-05	9.13286E-05	4.2117E-05	9.56408E-05	0.000102139	2.65081E-05	9.13286E-05	4.08852E-05	**8041**
8042	8.84425E-05	9.50785E-05	2.24193E-05	8.9377E-05	4.25348E-05	9.29225E-05	9.93748E-05	2.42758E-05	8.9377E-05	4.1322E-05	**8042**
8043	8.6051E-05	9.25805E-05	2.10873E-05	8.79244E-05	4.35632E-05	9.09026E-05	9.72591E-05	2.32755E-05	8.79244E-05	4.23894E-05	**8043**
8044	8.76917E-05	9.43717E-05	2.12312E-05	9.03686E-05	4.54031E-05	9.30028E-05	9.95206E-05	2.36592E-05	9.03686E-05	4.42847E-05	**8044**
8045	9.39284E-05	0.000101022	2.33535E-05	9.68045E-05	4.7832E-05	9.95724E-05	0.000106511	2.57555E-05	9.68045E-05	4.67707E-05	**8045**
8046	0.000103956	0.000111718	2.67276E-05	0.000105123	4.84894E-05	0.000109223	0.000116787	2.8742E-05	0.000105123	4.73981E-05	**8046**
8047	0.000108616	0.000116473	3.04473E-05	0.000109826	9.50069E-05	0.000113915	0.00012165	3.1617E-05	0.000109826	8.6413E-05	**8047**

8048	0.000107864	0.000115503	3.18568E-05	0.000110378	9.47786E-05	0.000113589	0.000121203	3.25857E-05	0.000110378	8.61272E-05	**8048**
8049	0.000107524	0.000115057	3.25757E-05	0.00011022	9.56619E-05	0.000113251	0.000120784	3.31087E-05	0.00011022	8.70145E-05	**8049**
8050	0.000105741	0.000113038	3.31397E-05	0.000108118	9.60519E-05	0.000111161	0.000118479	3.33098E-05	0.000108118	8.74046E-05	**8050**
8051	0.00010404	0.00011113	3.35E-05	0.000105901	9.65145E-05	0.000109086	0.000116206	3.3336E-05	0.000105901	8.78739E-05	**8051**
8052	0.000102562	0.000109588	3.26573E-05	0.00010439	8.94E-05	0.000107562	0.000114609	3.25961E-05	0.00010439	8.20201E-05	**8052**
8053	0.000101549	0.000108509	3.23048E-05	0.000102913	8.92177E-05	0.000106302	0.000113269	3.21744E-05	0.000102913	8.18375E-05	**8053**
8054	0.000100494	0.000107451	3.12828E-05	0.000101989	8.82371E-05	0.000105318	0.000112268	3.13693E-05	0.000101989	8.08368E-05	**8054**
8055	0.000101869	0.000108964	3.12835E-05	0.000103557	9.36803E-05	0.000106871	0.000113953	3.15198E-05	0.000103557	8.49825E-05	**8055**
8056	0.000110749	0.000118514	3.34886E-05	0.000112457	9.13065E-05	0.000116171	0.000123907	3.38678E-05	0.000112457	8.25466E-05	**8056**
8057	0.000124039	0.000132835	3.65281E-05	0.000124686	8.90876E-05	0.00012962	0.000138325	3.70018E-05	0.000124686	8.02685E-05	**8057**
8058	0.000136856	0.00014634	4.25006E-05	0.00013404	8.72716E-05	0.000141246	0.000150594	4.17949E-05	0.00013404	7.84069E-05	**8058**
8059	0.000143944	0.000153346	5.04027E-05	0.000136872	7.16621E-05	0.000146251	0.000155546	4.73599E-05	0.000136872	6.52972E-05	**8059**
8060	0.000142012	0.000150912	5.34605E-05	0.000133259	5.86219E-05	0.000143187	0.00015203	4.91123E-05	0.000133259	5.48525E-05	**8060**
8061	0.000138554	0.000147212	5.242E-05	0.000127373	5.01324E-05	0.000138487	0.000147006	4.78572E-05	0.000127373	4.76018E-05	**8061**
8062	0.000130569	0.000138898	4.77079E-05	0.000119326	4.39717E-05	0.000130322	0.000138437	4.39805E-05	0.000119326	4.27587E-05	**8062**
8063	0.000116278	0.000123873	4.07081E-05	0.000108484	4.27076E-05	0.0001172	0.000124614	3.83179E-05	0.000108484	4.14684E-05	**8063**
8064	0.000105616	0.000112898	3.31668E-05	0.000101362	4.19502E-05	0.000108033	0.000115124	3.25862E-05	0.000101362	4.0696E-05	**8064**
8065	9.1826E-05	9.84966E-05	2.54592E-05	9.13286E-05	4.2117E-05	9.56408E-05	0.000102139	2.65081E-05	9.13286E-05	4.08852E-05	**8065**
8066	8.84425E-05	9.50785E-05	2.24193E-05	8.9377E-05	4.25348E-05	9.29225E-05	9.93748E-05	2.42758E-05	8.9377E-05	4.1322E-05	**8066**
8067	8.6051E-05	9.25805E-05	2.10873E-05	8.79244E-05	4.35632E-05	9.09026E-05	9.72591E-05	2.32755E-05	8.79244E-05	4.23894E-05	**8067**
8068	8.76917E-05	9.43717E-05	2.12312E-05	9.03686E-05	4.54031E-05	9.30028E-05	9.95206E-05	2.36592E-05	9.03686E-05	4.42847E-05	**8068**
8069	9.39284E-05	0.000101022	2.33535E-05	9.68045E-05	4.7832E-05	9.95724E-05	0.000106511	2.57555E-05	9.68045E-05	4.67707E-05	**8069**
8070	0.000103956	0.000111718	2.67276E-05	0.000105123	4.84894E-05	0.000109223	0.000116787	2.8742E-05	0.000105123	4.73981E-05	**8070**
8071	0.000108616	0.000116473	3.04473E-05	0.000109826	9.50069E-05	0.000113915	0.00012165	3.1617E-05	0.000109826	8.6413E-05	**8071**
8072	0.000107864	0.000115503	3.18568E-05	0.000110378	9.47786E-05	0.000113589	0.000121203	3.25857E-05	0.000110378	8.61272E-05	**8072**
8073	0.000107524	0.000115057	3.25757E-05	0.00011022	9.56619E-05	0.000113251	0.000120784	3.31087E-05	0.00011022	8.70145E-05	**8073**
8074	0.000105741	0.000113038	3.31397E-05	0.000108118	9.60519E-05	0.000111161	0.000118479	3.33098E-05	0.000108118	8.74046E-05	**8074**
8075	0.00010404	0.00011113	3.35E-05	0.000105901	9.65145E-05	0.000109086	0.000116206	3.3336E-05	0.000105901	8.78739E-05	**8075**
8076	0.000102562	0.000109588	3.26573E-05	0.00010439	8.94E-05	0.000107562	0.000114609	3.25961E-05	0.00010439	8.20201E-05	**8076**
8077	0.000101549	0.000108509	3.23048E-05	0.000102913	8.92177E-05	0.000106302	0.000113269	3.21744E-05	0.000102913	8.18375E-05	**8077**
8078	0.000100494	0.000107451	3.12828E-05	0.000101989	8.82371E-05	0.000105318	0.000112268	3.13693E-05	0.000101989	8.08368E-05	**8078**
8079	0.000101869	0.000108964	3.12835E-05	0.000103557	9.36803E-05	0.000106871	0.000113953	3.15198E-05	0.000103557	8.49825E-05	**8079**
8080	0.000110749	0.000118514	3.34886E-05	0.000112457	9.13065E-05	0.000116171	0.000123907	3.38678E-05	0.000112457	8.25466E-05	**8080**
8081	0.000124039	0.000132835	3.65281E-05	0.000124686	8.90876E-05	0.00012962	0.000138325	3.70018E-05	0.000124686	8.02685E-05	**8081**
8082	0.000136856	0.00014634	4.25006E-05	0.00013404	8.72716E-05	0.000141246	0.000150594	4.17949E-05	0.00013404	7.84069E-05	**8082**
8083	0.000143944	0.000153346	5.04027E-05	0.000136872	7.16621E-05	0.000146251	0.000155546	4.73599E-05	0.000136872	6.52972E-05	**8083**
8084	0.000142012	0.000150912	5.34605E-05	0.000133259	5.86219E-05	0.000143187	0.00015203	4.91123E-05	0.000133259	5.48525E-05	**8084**
8085	0.000138554	0.000147212	5.242E-05	0.000127373	5.01324E-05	0.000138487	0.000147006	4.78572E-05	0.000127373	4.76018E-05	**8085**
8086	0.000130569	0.000138898	4.77079E-05	0.000119326	4.39717E-05	0.000130322	0.000138437	4.39805E-05	0.000119326	4.27587E-05	**8086**
8087	0.000116278	0.000123873	4.07081E-05	0.000108484	4.27076E-05	0.0001172	0.000124614	3.83179E-05	0.000108484	4.14684E-05	**8087**
8088	0.000105616	0.000112898	3.31668E-05	0.000101362	4.19502E-05	0.000108033	0.000115124	3.25862E-05	0.000101362	4.0696E-05	**8088**
8089	9.16272E-05	9.82821E-05	2.54162E-05	9.10883E-05	4.20382E-05	9.54135E-05	0.000101895	2.64529E-05	9.10883E-05	4.08056E-05	**8089**
8090	8.71816E-05	9.37185E-05	2.21454E-05	8.78474E-05	4.25127E-05	9.14789E-05	9.78286E-05	2.39241E-05	8.78474E-05	4.13004E-05	**8090**
8091	8.48114E-05	9.12434E-05	2.08184E-05	8.6423E-05	4.35787E-05	8.94845E-05	9.57401E-05	2.29304E-05	8.6423E-05	4.24063E-05	**8091**
8092	8.6494E-05	9.30792E-05	2.09768E-05	8.8953E-05	4.53627E-05	9.1648E-05	9.80688E-05	2.33359E-05	8.8953E-05	4.42437E-05	**8092**
8093	9.27428E-05	9.9742E-05	2.31065E-05	9.54344E-05	4.77512E-05	9.82448E-05	0.000105088	2.54443E-05	9.54344E-05	4.66883E-05	**8093**
8094	0.000102792	0.000110462	2.64835E-05	0.000103767	4.83377E-05	0.000107915	0.000115386	2.84335E-05	0.000103767	4.72424E-05	**8094**
8095	0.000108865	0.000116767	3.02468E-05	0.000108582	9.48375E-05	0.000113522	0.000121246	3.13516E-05	0.000108582	8.62391E-05	**8095**
8096	0.000106344	0.000113862	3.15483E-05	0.000108675	9.4565E-05	0.000111911	0.000119403	3.22022E-05	0.000108675	8.59073E-05	**8096**
8097	0.000105572	0.000112948	3.21817E-05	0.000108047	9.53993E-05	0.000111102	0.000118478	3.26201E-05	0.000108047	8.67437E-05	**8097**
8098	0.000103235	0.00011033	3.26368E-05	0.000105346	9.58133E-05	0.000108409	0.000115527	3.2688E-05	0.000105346	8.71588E-05	**8098**
8099	0.000101234	0.000108099	3.29363E-05	0.000102794	9.63513E-05	0.000106003	0.000112899	3.26386E-05	0.000102794	8.7706E-05	**8099**
8100	9.96568E-05	0.00010645	3.20706E-05	0.000101153	8.92279E-05	0.000104362	0.000111176	3.18683E-05	0.000101153	8.18433E-05	**8100**
8101	9.86174E-05	0.000105343	3.17068E-05	9.96085E-05	8.90084E-05	0.000103055	0.000109788	3.14288E-05	9.96085E-05	8.16221E-05	**8101**
8102	9.7705E-05	0.000104437	3.07243E-05	9.89121E-05	8.80472E-05	0.000102259	0.000108987	3.06793E-05	9.89121E-05	8.06412E-05	**8102**
8103	9.9349E-05	0.000106241	3.07749E-05	0.000100752	9.35168E-05	0.000104096	0.000110977	3.08891E-05	0.000100752	8.48144E-05	**8103**
8104	0.000108589	0.000116183	3.30413E-05	0.000109979	9.12E-05	0.000113761	0.000121323	3.3306E-05	0.000109979	8.24375E-05	**8104**
8105	0.000122079	0.000130719	3.6111E-05	0.000122364	8.89423E-05	0.0001274	0.000135947	3.64713E-05	0.000122364	8.01193E-05	**8105**
8106	0.00013504	0.00014438	4.21189E-05	0.00013192	8.71111E-05	0.000139203	0.000148404	4.13121E-05	0.00013192	7.82419E-05	**8106**
8107	0.000142225	0.000151492	5.00317E-05	0.000134802	7.14301E-05	0.000144289	0.000153445	4.68848E-05	0.000134802	6.50589E-05	**8107**
8108	0.000140551	0.000149337	5.31324E-05	0.000131417	5.84458E-05	0.000141484	0.000150206	4.86848E-05	0.000131417	5.4672E-05	**8108**
8109	0.000135828	0.000144245	5.20851E-05	0.00012563	5.00484E-05	0.000136052	0.000144381	4.74368E-05	0.00012563	4.75169E-05	**8109**
8110	0.000129337	0.000137569	4.74355E-05	0.000117801	4.3958E-05	0.000128897	0.000136912	4.36281E-05	0.000117801	4.27461E-05	**8110**
8111	0.000115215	0.000122726	4.04844E-05	0.000107241	4.27199E-05	0.000116003	0.000123332	3.80349E-05	0.000107241	4.14827E-05	**8111**
8112	0.000104985	0.000112216	3.30405E-05	0.000100666	4.20972E-05	0.00010734	0.000114381	3.24301E-05	0.000100666	4.08485E-05	**8112**
8113	9.16272E-05	9.82821E-05	2.54162E-05	9.10883E-05	4.20382E-05	9.54135E-05	0.000101895	2.64529E-05	9.10883E-05	4.08056E-05	**8113**
8114	8.71816E-05	9.37185E-05	2.21454E-05	8.78474E-05	4.25127E-05	9.14789E-05	9.78286E-05	2.39241E-05	8.78474E-05	4.13004E-05	**8114**
8115	8.48114E-05	9.12434E-05	2.08184E-05	8.6423E-05	4.35787E-05	8.94845E-05	9.57401E-05	2.29304E-05	8.6423E-05	4.24063E-05	**8115**
8116	8.6494E-05	9.30792E-05	2.09768E-05	8.8953E-05	4.53627E-05	9.1648E-05	9.80688E-05	2.33359E-05	8.8953E-05	4.42437E-05	**8116**
8117	9.27428E-05	9.9742E-05	2.31065E-05	9.54344E-05	4.77512E-05	9.82448E-05	0.000105088	2.54443E-05	9.54344E-05	4.66883E-05	**8117**
8118	0.000102792	0.000110462	2.64835E-05	0.000103767	4.83377E-05	0.000107915	0.000115386	2.84335E-05	0.000103767	4.72424E-05	**8118**
8119	0.000108865	0.000116767	3.02468E-05	0.000108582	9.48375E-05	0.000113522	0.000121246	3.13516E-05	0.000108582	8.62391E-05	**8119**
8120	0.000106344	0.000113862	3.15483E-05	0.000108675	9.4565E-05	0.000111911	0.000119403	3.22022E-05	0.000108675	8.59073E-05	**8120**
8121	0.000105572	0.000112948	3.21817E-05	0.000108047	9.53993E-05	0.000111102	0.000118478	3.26201E-05	0.000108047	8.67437E-05	**8121**
8122	0.000103235	0.00011033	3.26368E-05	0.000105346	9.58133E-05	0.000108409	0.000115527	3.2688E-05	0.000105346	8.71588E-05	**8122**
8123	0.000101234	0.000108099	3.29363E-05	0.000102794	9.63513E-05	0.000106003	0.000112899	3.26386E-05	0.000102794	8.7706E-05	**8123**

8124	9.96568E-05	0.00010645	3.20706E-05	0.000101153	8.92279E-05	0.000104362	0.000111176	3.18683E-05	0.000101153	8.18433E-05	**8124**
8125	9.86174E-05	0.000105343	3.17068E-05	9.96085E-05	8.90084E-05	0.000103055	0.000109788	3.14288E-05	9.96085E-05	8.16221E-05	**8125**
8126	9.7705E-05	0.000104437	3.07243E-05	9.89121E-05	8.80472E-05	0.000102259	0.000108987	3.06793E-05	9.89121E-05	8.06412E-05	**8126**
8127	9.9349E-05	0.000106241	3.07749E-05	0.000100752	9.35168E-05	0.000104096	0.000110977	3.08891E-05	0.000100752	8.48144E-05	**8127**
8128	0.000108589	0.000116183	3.30413E-05	0.000109979	9.12E-05	0.000113761	0.000121323	3.3306E-05	0.000109979	8.24375E-05	**8128**
8129	0.000122079	0.000130719	3.6111E-05	0.000122364	8.89423E-05	0.0001274	0.000135947	3.64713E-05	0.000122364	8.01193E-05	**8129**
8130	0.00013504	0.00014438	4.21189E-05	0.00013192	8.71111E-05	0.000139203	0.000148404	4.13121E-05	0.00013192	7.82419E-05	**8130**
8131	0.000142225	0.000151492	5.00317E-05	0.000134802	7.14301E-05	0.000144289	0.000153445	4.68848E-05	0.000134802	6.50589E-05	**8131**
8132	0.000140551	0.000149337	5.31324E-05	0.000131417	5.84458E-05	0.000141484	0.000150206	4.86848E-05	0.000131417	5.4672E-05	**8132**
8133	0.000135828	0.000144245	5.20851E-05	0.00012563	5.00484E-05	0.000136052	0.000144381	4.74368E-05	0.00012563	4.75169E-05	**8133**
8134	0.000129337	0.000137569	4.74355E-05	0.000117801	4.3958E-05	0.000128897	0.000136912	4.36281E-05	0.000117801	4.27461E-05	**8134**
8135	0.000115215	0.000122726	4.04844E-05	0.000107241	4.27199E-05	0.000116003	0.000123332	3.80349E-05	0.000107241	4.14827E-05	**8135**
8136	0.000104985	0.000112216	3.30405E-05	0.000100666	4.20972E-05	0.00010734	0.000114381	3.24301E-05	0.000100666	4.08485E-05	**8136**
8137	9.1826E-05	9.84966E-05	2.54592E-05	9.13286E-05	4.2117E-05	9.56408E-05	0.000102139	2.65081E-05	9.13286E-05	4.08852E-05	**8137**
8138	8.84425E-05	9.50785E-05	2.24193E-05	8.9377E-05	4.25348E-05	9.29225E-05	9.93748E-05	2.42758E-05	8.9377E-05	4.1322E-05	**8138**
8139	8.6051E-05	9.25805E-05	2.10873E-05	8.79244E-05	4.35632E-05	9.09026E-05	9.72591E-05	2.32755E-05	8.79244E-05	4.23894E-05	**8139**
8140	8.76917E-05	9.43717E-05	2.12312E-05	9.03686E-05	4.54031E-05	9.30028E-05	9.95206E-05	2.36592E-05	9.03686E-05	4.42847E-05	**8140**
8141	9.39284E-05	0.000101022	2.33535E-05	9.68045E-05	4.7832E-05	9.95724E-05	0.000106511	2.57555E-05	9.68045E-05	4.67707E-05	**8141**
8142	0.000103956	0.000111718	2.67276E-05	0.000105123	4.84894E-05	0.000109223	0.000116787	2.8742E-05	0.000105123	4.73981E-05	**8142**
8143	0.000108616	0.000116473	3.04473E-05	0.000109826	9.50069E-05	0.000113915	0.00012165	3.1617E-05	0.000109826	8.6413E-05	**8143**
8144	0.000107864	0.000115503	3.18568E-05	0.000110378	9.47786E-05	0.000113589	0.000121203	3.25857E-05	0.000110378	8.61272E-05	**8144**
8145	0.000107524	0.000115057	3.25757E-05	0.00011022	9.56619E-05	0.000113251	0.000120784	3.31087E-05	0.00011022	8.70145E-05	**8145**
8146	0.000105741	0.000113038	3.31397E-05	0.000108118	9.60519E-05	0.000111161	0.000118479	3.33098E-05	0.000108118	8.74046E-05	**8146**
8147	0.00010404	0.00011113	3.35E-05	0.000105901	9.65145E-05	0.000109086	0.000116206	3.3336E-05	0.000105901	8.78739E-05	**8147**
8148	0.000102562	0.000109588	3.26573E-05	0.00010439	8.94E-05	0.000107562	0.000114609	3.25961E-05	0.00010439	8.20201E-05	**8148**
8149	0.000101549	0.000108509	3.23048E-05	0.000102913	8.92177E-05	0.000106302	0.000113269	3.21744E-05	0.000102913	8.18375E-05	**8149**
8150	0.000100494	0.000107451	3.12828E-05	0.000101989	8.82371E-05	0.000105318	0.000112268	3.13693E-05	0.000101989	8.08368E-05	**8150**
8151	0.000101869	0.000108964	3.12835E-05	0.000103557	9.36803E-05	0.000106871	0.000113953	3.15198E-05	0.000103557	8.49825E-05	**8151**
8152	0.000110749	0.000118514	3.34886E-05	0.000112457	9.13065E-05	0.000116171	0.000123907	3.38678E-05	0.000112457	8.25466E-05	**8152**
8153	0.000124039	0.000132835	3.65281E-05	0.000124686	8.90876E-05	0.00012962	0.000138325	3.70018E-05	0.000124686	8.02685E-05	**8153**
8154	0.000136856	0.00014634	4.25006E-05	0.00013404	8.72716E-05	0.000141246	0.000150594	4.17949E-05	0.00013404	7.84069E-05	**8154**
8155	0.000143944	0.000153346	5.04027E-05	0.000136872	7.16621E-05	0.000146251	0.000155546	4.73599E-05	0.000136872	6.52972E-05	**8155**
8156	0.000142012	0.000150912	5.34605E-05	0.000133259	5.86219E-05	0.000143187	0.00015203	4.91123E-05	0.000133259	5.48525E-05	**8156**
8157	0.000138554	0.000147212	5.242E-05	0.000127373	5.01324E-05	0.000138487	0.000147006	4.78572E-05	0.000127373	4.76018E-05	**8157**
8158	0.000130569	0.000138898	4.77079E-05	0.000119326	4.39717E-05	0.000130322	0.000138437	4.39805E-05	0.000119326	4.27587E-05	**8158**
8159	0.000116278	0.000123873	4.07081E-05	0.000108484	4.27076E-05	0.0001172	0.000124614	3.83179E-05	0.000108484	4.14684E-05	**8159**
8160	0.000105616	0.000112898	3.31668E-05	0.000101362	4.19502E-05	0.000108033	0.000115124	3.25862E-05	0.000101362	4.0696E-05	**8160**
8161	9.1826E-05	9.84966E-05	2.54592E-05	9.13286E-05	4.2117E-05	9.56408E-05	0.000102139	2.65081E-05	9.13286E-05	4.08852E-05	**8161**
8162	8.84425E-05	9.50785E-05	2.24193E-05	8.9377E-05	4.25348E-05	9.29225E-05	9.93748E-05	2.42758E-05	8.9377E-05	4.1322E-05	**8162**
8163	8.6051E-05	9.25805E-05	2.10873E-05	8.79244E-05	4.35632E-05	9.09026E-05	9.72591E-05	2.32755E-05	8.79244E-05	4.23894E-05	**8163**
8164	8.76917E-05	9.43717E-05	2.12312E-05	9.03686E-05	4.54031E-05	9.30028E-05	9.95206E-05	2.36592E-05	9.03686E-05	4.42847E-05	**8164**
8165	9.39284E-05	0.000101022	2.33535E-05	9.68045E-05	4.7832E-05	9.95724E-05	0.000106511	2.57555E-05	9.68045E-05	4.67707E-05	**8165**
8166	0.000103956	0.000111718	2.67276E-05	0.000105123	4.84894E-05	0.000109223	0.000116787	2.8742E-05	0.000105123	4.73981E-05	**8166**
8167	0.000108616	0.000116473	3.04473E-05	0.000109826	9.50069E-05	0.000113915	0.00012165	3.1617E-05	0.000109826	8.6413E-05	**8167**
8168	0.000107864	0.000115503	3.18568E-05	0.000110378	9.47786E-05	0.000113589	0.000121203	3.25857E-05	0.000110378	8.61272E-05	**8168**
8169	0.000107524	0.000115057	3.25757E-05	0.00011022	9.56619E-05	0.000113251	0.000120784	3.31087E-05	0.00011022	8.70145E-05	**8169**
8170	0.000105741	0.000113038	3.31397E-05	0.000108118	9.60519E-05	0.000111161	0.000118479	3.33098E-05	0.000108118	8.74046E-05	**8170**
8171	0.00010404	0.00011113	3.35E-05	0.000105901	9.65145E-05	0.000109086	0.000116206	3.3336E-05	0.000105901	8.78739E-05	**8171**
8172	0.000102562	0.000109588	3.26573E-05	0.00010439	8.94E-05	0.000107562	0.000114609	3.25961E-05	0.00010439	8.20201E-05	**8172**
8173	0.000101549	0.000108509	3.23048E-05	0.000102913	8.92177E-05	0.000106302	0.000113269	3.21744E-05	0.000102913	8.18375E-05	**8173**
8174	0.000100494	0.000107451	3.12828E-05	0.000101989	8.82371E-05	0.000105318	0.000112268	3.13693E-05	0.000101989	8.08368E-05	**8174**
8175	0.000101869	0.000108964	3.12835E-05	0.000103557	9.36803E-05	0.000106871	0.000113953	3.15198E-05	0.000103557	8.49825E-05	**8175**
8176	0.000110749	0.000118514	3.34886E-05	0.000112457	9.13065E-05	0.000116171	0.000123907	3.38678E-05	0.000112457	8.25466E-05	**8176**
8177	0.000124039	0.000132835	3.65281E-05	0.000124686	8.90876E-05	0.00012962	0.000138325	3.70018E-05	0.000124686	8.02685E-05	**8177**
8178	0.000136856	0.00014634	4.25006E-05	0.00013404	8.72716E-05	0.000141246	0.000150594	4.17949E-05	0.00013404	7.84069E-05	**8178**
8179	0.000143944	0.000153346	5.04027E-05	0.000136872	7.16621E-05	0.000146251	0.000155546	4.73599E-05	0.000136872	6.52972E-05	**8179**
8180	0.000142012	0.000150912	5.34605E-05	0.000133259	5.86219E-05	0.000143187	0.00015203	4.91123E-05	0.000133259	5.48525E-05	**8180**
8181	0.000138554	0.000147212	5.242E-05	0.000127373	5.01324E-05	0.000138487	0.000147006	4.78572E-05	0.000127373	4.76018E-05	**8181**
8182	0.000130569	0.000138898	4.77079E-05	0.000119326	4.39717E-05	0.000130322	0.000138437	4.39805E-05	0.000119326	4.27587E-05	**8182**
8183	0.000116278	0.000123873	4.07081E-05	0.000108484	4.27076E-05	0.0001172	0.000124614	3.83179E-05	0.000108484	4.14684E-05	**8183**
8184	0.000105616	0.000112898	3.31668E-05	0.000101362	4.19502E-05	0.000108033	0.000115124	3.25862E-05	0.000101362	4.0696E-05	**8184**
8185	9.1826E-05	9.84966E-05	2.54592E-05	9.13286E-05	4.2117E-05	9.56408E-05	0.000102139	2.65081E-05	9.13286E-05	4.08852E-05	**8185**
8186	8.84425E-05	9.50785E-05	2.24193E-05	8.9377E-05	4.25348E-05	9.29225E-05	9.93748E-05	2.42758E-05	8.9377E-05	4.1322E-05	**8186**
8187	8.6051E-05	9.25805E-05	2.10873E-05	8.79244E-05	4.35632E-05	9.09026E-05	9.72591E-05	2.32755E-05	8.79244E-05	4.23894E-05	**8187**
8188	8.76917E-05	9.43717E-05	2.12312E-05	9.03686E-05	4.54031E-05	9.30028E-05	9.95206E-05	2.36592E-05	9.03686E-05	4.42847E-05	**8188**
8189	9.39284E-05	0.000101022	2.33535E-05	9.68045E-05	4.7832E-05	9.95724E-05	0.000106511	2.57555E-05	9.68045E-05	4.67707E-05	**8189**
8190	0.000103956	0.000111718	2.67276E-05	0.000105123	4.84894E-05	0.000109223	0.000116787	2.8742E-05	0.000105123	4.73981E-05	**8190**
8191	0.000108616	0.000116473	3.04473E-05	0.000109826	9.50069E-05	0.000113915	0.00012165	3.1617E-05	0.000109826	8.6413E-05	**8191**
8192	0.000107864	0.000115503	3.18568E-05	0.000110378	9.47786E-05	0.000113589	0.000121203	3.25857E-05	0.000110378	8.61272E-05	**8192**
8193	0.000107524	0.000115057	3.25757E-05	0.00011022	9.56619E-05	0.000113251	0.000120784	3.31087E-05	0.00011022	8.70145E-05	**8193**
8194	0.000105741	0.000113038	3.31397E-05	0.000108118	9.60519E-05	0.000111161	0.000118479	3.33098E-05	0.000108118	8.74046E-05	**8194**
8195	0.00010404	0.00011113	3.35E-05	0.000105901	9.65145E-05	0.000109086	0.000116206	3.3336E-05	0.000105901	8.78739E-05	**8195**
8196	0.000102562	0.000109588	3.26573E-05	0.00010439	8.94E-05	0.000107562	0.000114609	3.25961E-05	0.00010439	8.20201E-05	**8196**
8197	0.000101549	0.000108509	3.23048E-05	0.000102913	8.92177E-05	0.000106302	0.000113269	3.21744E-05	0.000102913	8.18375E-05	**8197**
8198	0.000100494	0.000107451	3.12828E-05	0.000101989	8.82371E-05	0.000105318	0.000112268	3.13693E-05	0.000101989	8.08368E-05	**8198**
8199	0.000101869	0.000108964	3.12835E-05	0.000103557	9.36803E-05	0.000106871	0.000113953	3.15198E-05	0.000103557	8.49825E-05	**8199**

8200	0.000110749	0.000118514	3.34886E-05	0.000112457	9.13065E-05	0.000116171	0.000123907	3.38678E-05	0.000112457	8.25466E-05	**8200**
8201	0.000124039	0.000132835	3.65281E-05	0.000124686	8.90876E-05	0.00012962	0.000138325	3.70018E-05	0.000124686	8.02685E-05	**8201**
8202	0.000136856	0.00014634	4.25006E-05	0.00013404	8.72716E-05	0.000141246	0.000150594	4.17949E-05	0.00013404	7.84069E-05	**8202**
8203	0.000143944	0.000153346	5.04027E-05	0.000136872	7.16621E-05	0.000146251	0.000155546	4.73599E-05	0.000136872	6.52972E-05	**8203**
8204	0.000142012	0.000150912	5.34605E-05	0.000133259	5.86219E-05	0.000143187	0.00015203	4.91123E-05	0.000133259	5.48525E-05	**8204**
8205	0.000138554	0.000147212	5.242E-05	0.000127373	5.01324E-05	0.000138487	0.000147006	4.78572E-05	0.000127373	4.76018E-05	**8205**
8206	0.000130569	0.000138898	4.77079E-05	0.000119326	4.39717E-05	0.000130322	0.000138437	4.39805E-05	0.000119326	4.27587E-05	**8206**
8207	0.000116278	0.000123873	4.07081E-05	0.000108484	4.27076E-05	0.0001172	0.000124614	3.83179E-05	0.000108484	4.14684E-05	**8207**
8208	0.000105616	0.000112898	3.31668E-05	0.000101362	4.19502E-05	0.000108033	0.000115124	3.25862E-05	0.000101362	4.0696E-05	**8208**
8209	9.1826E-05	9.84966E-05	2.54592E-05	9.13286E-05	4.2117E-05	9.56408E-05	0.000102139	2.65081E-05	9.13286E-05	4.08852E-05	**8209**
8210	8.84425E-05	9.50785E-05	2.24193E-05	8.9377E-05	4.25348E-05	9.29225E-05	9.93748E-05	2.42758E-05	8.9377E-05	4.1322E-05	**8210**
8211	8.6051E-05	9.25805E-05	2.10873E-05	8.79244E-05	4.35632E-05	9.09026E-05	9.72591E-05	2.32755E-05	8.79244E-05	4.23894E-05	**8211**
8212	8.76917E-05	9.43717E-05	2.12312E-05	9.03686E-05	4.54031E-05	9.30028E-05	9.95206E-05	2.36592E-05	9.03686E-05	4.42847E-05	**8212**
8213	9.39284E-05	0.000101022	2.33535E-05	9.68045E-05	4.7832E-05	9.95724E-05	0.000106511	2.57555E-05	9.68045E-05	4.67707E-05	**8213**
8214	0.000103956	0.000111718	2.67276E-05	0.000105123	4.84894E-05	0.000109223	0.000116787	2.8742E-05	0.000105123	4.73981E-05	**8214**
8215	0.000108616	0.000116473	3.04473E-05	0.000109826	9.50069E-05	0.000113915	0.00012165	3.1617E-05	0.000109826	8.6413E-05	**8215**
8216	0.000107864	0.000115503	3.18568E-05	0.000110378	9.47786E-05	0.000113589	0.000121203	3.25857E-05	0.000110378	8.61272E-05	**8216**
8217	0.000107524	0.000115057	3.25757E-05	0.00011022	9.56619E-05	0.000113251	0.000120784	3.31087E-05	0.00011022	8.70145E-05	**8217**
8218	0.000105741	0.000113038	3.31397E-05	0.000108118	9.60519E-05	0.000111161	0.000118479	3.33098E-05	0.000108118	8.74046E-05	**8218**
8219	0.00010404	0.00011113	3.35E-05	0.000105901	9.65145E-05	0.000109086	0.000116206	3.3336E-05	0.000105901	8.78739E-05	**8219**
8220	0.000102562	0.000109588	3.26573E-05	0.00010439	8.94E-05	0.000107562	0.000114609	3.25961E-05	0.00010439	8.20201E-05	**8220**
8221	0.000101549	0.000108509	3.23048E-05	0.000102913	8.92177E-05	0.000106302	0.000113269	3.21744E-05	0.000102913	8.18375E-05	**8221**
8222	0.000100494	0.000107451	3.12828E-05	0.000101989	8.82371E-05	0.000105318	0.000112268	3.13693E-05	0.000101989	8.08368E-05	**8222**
8223	0.000101869	0.000108964	3.12835E-05	0.000103557	9.36803E-05	0.000106871	0.000113953	3.15198E-05	0.000103557	8.49825E-05	**8223**
8224	0.000110749	0.000118514	3.34886E-05	0.000112457	9.13065E-05	0.000116171	0.000123907	3.38678E-05	0.000112457	8.25466E-05	**8224**
8225	0.000124039	0.000132835	3.65281E-05	0.000124686	8.90876E-05	0.00012962	0.000138325	3.70018E-05	0.000124686	8.02685E-05	**8225**
8226	0.000136856	0.00014634	4.25006E-05	0.00013404	8.72716E-05	0.000141246	0.000150594	4.17949E-05	0.00013404	7.84069E-05	**8226**
8227	0.000143944	0.000153346	5.04027E-05	0.000136872	7.16621E-05	0.000146251	0.000155546	4.73599E-05	0.000136872	6.52972E-05	**8227**
8228	0.000142012	0.000150912	5.34605E-05	0.000133259	5.86219E-05	0.000143187	0.00015203	4.91123E-05	0.000133259	5.48525E-05	**8228**
8229	0.000138554	0.000147212	5.242E-05	0.000127373	5.01324E-05	0.000138487	0.000147006	4.78572E-05	0.000127373	4.76018E-05	**8229**
8230	0.000130569	0.000138898	4.77079E-05	0.000119326	4.39717E-05	0.000130322	0.000138437	4.39805E-05	0.000119326	4.27587E-05	**8230**
8231	0.000116278	0.000123873	4.07081E-05	0.000108484	4.27076E-05	0.0001172	0.000124614	3.83179E-05	0.000108484	4.14684E-05	**8231**
8232	0.000105616	0.000112898	3.31668E-05	0.000101362	4.19502E-05	0.000108033	0.000115124	3.25862E-05	0.000101362	4.0696E-05	**8232**
8233	9.1826E-05	9.84966E-05	2.54592E-05	9.13286E-05	4.2117E-05	9.56408E-05	0.000102139	2.65081E-05	9.13286E-05	4.08852E-05	**8233**
8234	8.84425E-05	9.50785E-05	2.24193E-05	8.9377E-05	4.25348E-05	9.29225E-05	9.93748E-05	2.42758E-05	8.9377E-05	4.1322E-05	**8234**
8235	8.6051E-05	9.25805E-05	2.10873E-05	8.79244E-05	4.35632E-05	9.09026E-05	9.72591E-05	2.32755E-05	8.79244E-05	4.23894E-05	**8235**
8236	8.76917E-05	9.43717E-05	2.12312E-05	9.03686E-05	4.54031E-05	9.30028E-05	9.95206E-05	2.36592E-05	9.03686E-05	4.42847E-05	**8236**
8237	9.39284E-05	0.000101022	2.33535E-05	9.68045E-05	4.7832E-05	9.95724E-05	0.000106511	2.57555E-05	9.68045E-05	4.67707E-05	**8237**
8238	0.000103956	0.000111718	2.67276E-05	0.000105123	4.84894E-05	0.000109223	0.000116787	2.8742E-05	0.000105123	4.73981E-05	**8238**
8239	0.000108616	0.000116473	3.04473E-05	0.000109826	9.50069E-05	0.000113915	0.00012165	3.1617E-05	0.000109826	8.6413E-05	**8239**
8240	0.000107864	0.000115503	3.18568E-05	0.000110378	9.47786E-05	0.000113589	0.000121203	3.25857E-05	0.000110378	8.61272E-05	**8240**
8241	0.000107524	0.000115057	3.25757E-05	0.00011022	9.56619E-05	0.000113251	0.000120784	3.31087E-05	0.00011022	8.70145E-05	**8241**
8242	0.000105741	0.000113038	3.31397E-05	0.000108118	9.60519E-05	0.000111161	0.000118479	3.33098E-05	0.000108118	8.74046E-05	**8242**
8243	0.00010404	0.00011113	3.35E-05	0.000105901	9.65145E-05	0.000109086	0.000116206	3.3336E-05	0.000105901	8.78739E-05	**8243**
8244	0.000102562	0.000109588	3.26573E-05	0.00010439	8.94E-05	0.000107562	0.000114609	3.25961E-05	0.00010439	8.20201E-05	**8244**
8245	0.000101549	0.000108509	3.23048E-05	0.000102913	8.92177E-05	0.000106302	0.000113269	3.21744E-05	0.000102913	8.18375E-05	**8245**
8246	0.000100494	0.000107451	3.12828E-05	0.000101989	8.82371E-05	0.000105318	0.000112268	3.13693E-05	0.000101989	8.08368E-05	**8246**
8247	0.000101869	0.000108964	3.12835E-05	0.000103557	9.36803E-05	0.000106871	0.000113953	3.15198E-05	0.000103557	8.49825E-05	**8247**
8248	0.000110749	0.000118514	3.34886E-05	0.000112457	9.13065E-05	0.000116171	0.000123907	3.38678E-05	0.000112457	8.25466E-05	**8248**
8249	0.000124039	0.000132835	3.65281E-05	0.000124686	8.90876E-05	0.00012962	0.000138325	3.70018E-05	0.000124686	8.02685E-05	**8249**
8250	0.000136856	0.00014634	4.25006E-05	0.00013404	8.72716E-05	0.000141246	0.000150594	4.17949E-05	0.00013404	7.84069E-05	**8250**
8251	0.000143944	0.000153346	5.04027E-05	0.000136872	7.16621E-05	0.000146251	0.000155546	4.73599E-05	0.000136872	6.52972E-05	**8251**
8252	0.000142012	0.000150912	5.34605E-05	0.000133259	5.86219E-05	0.000143187	0.00015203	4.91123E-05	0.000133259	5.48525E-05	**8252**
8253	0.000138554	0.000147212	5.242E-05	0.000127373	5.01324E-05	0.000138487	0.000147006	4.78572E-05	0.000127373	4.76018E-05	**8253**
8254	0.000130569	0.000138898	4.77079E-05	0.000119326	4.39717E-05	0.000130322	0.000138437	4.39805E-05	0.000119326	4.27587E-05	**8254**
8255	0.000116278	0.000123873	4.07081E-05	0.000108484	4.27076E-05	0.0001172	0.000124614	3.83179E-05	0.000108484	4.14684E-05	**8255**
8256	0.000105616	0.000112898	3.31668E-05	0.000101362	4.19502E-05	0.000108033	0.000115124	3.25862E-05	0.000101362	4.0696E-05	**8256**
8257	9.16272E-05	9.82821E-05	2.54162E-05	9.10883E-05	4.20382E-05	9.54135E-05	0.000101895	2.64529E-05	9.10883E-05	4.08056E-05	**8257**
8258	8.71816E-05	9.37185E-05	2.21454E-05	8.78474E-05	4.25127E-05	9.14789E-05	9.78286E-05	2.39241E-05	8.78474E-05	4.13004E-05	**8258**
8259	8.48114E-05	9.12434E-05	2.08184E-05	8.6423E-05	4.35787E-05	8.94845E-05	9.57401E-05	2.29304E-05	8.6423E-05	4.24063E-05	**8259**
8260	8.6494E-05	9.30792E-05	2.09768E-05	8.8953E-05	4.53627E-05	9.1648E-05	9.80688E-05	2.33359E-05	8.8953E-05	4.42437E-05	**8260**
8261	9.27428E-05	9.9742E-05	2.31065E-05	9.54344E-05	4.77512E-05	9.82448E-05	0.000105088	2.54443E-05	9.54344E-05	4.66883E-05	**8261**
8262	0.000102792	0.000110462	2.64835E-05	0.000103767	4.83377E-05	0.000107915	0.000115386	2.84335E-05	0.000103767	4.72424E-05	**8262**
8263	0.000108865	0.000116767	3.02468E-05	0.000108582	9.48375E-05	0.000113522	0.000121246	3.13516E-05	0.000108582	8.62391E-05	**8263**
8264	0.000106344	0.000113862	3.15483E-05	0.000108675	9.4565E-05	0.000111911	0.000119403	3.22022E-05	0.000108675	8.59073E-05	**8264**
8265	0.000105572	0.000112948	3.21817E-05	0.000108047	9.53993E-05	0.000111102	0.000118478	3.26201E-05	0.000108047	8.67437E-05	**8265**
8266	0.000103235	0.00011033	3.26368E-05	0.000105346	9.58133E-05	0.000108409	0.000115527	3.2688E-05	0.000105346	8.71588E-05	**8266**
8267	0.000101234	0.000108099	3.29363E-05	0.000102794	9.63513E-05	0.000106003	0.000112899	3.26386E-05	0.000102794	8.7706E-05	**8267**
8268	9.96568E-05	0.00010645	3.20706E-05	0.000101153	8.92279E-05	0.000104362	0.000111176	3.18683E-05	0.000101153	8.18433E-05	**8268**
8269	9.86174E-05	0.000105343	3.17068E-05	9.96085E-05	8.90084E-05	0.000103055	0.000109788	3.14288E-05	9.96085E-05	8.16221E-05	**8269**
8270	9.7705E-05	0.000104437	3.07243E-05	9.89121E-05	8.80472E-05	0.000102259	0.000108987	3.06793E-05	9.89121E-05	8.06412E-05	**8270**
8271	9.9349E-05	0.000106241	3.07749E-05	0.000100752	9.35168E-05	0.000104096	0.000110977	3.08891E-05	0.000100752	8.48144E-05	**8271**
8272	0.000108589	0.000116183	3.30413E-05	0.000109979	9.12E-05	0.000113761	0.000121323	3.3306E-05	0.000109979	8.24375E-05	**8272**
8273	0.000122079	0.000130719	3.6111E-05	0.000122364	8.89423E-05	0.0001274	0.000135947	3.64713E-05	0.000122364	8.01193E-05	**8273**
8274	0.00013504	0.00014438	4.21189E-05	0.00013192	8.71111E-05	0.000139203	0.000148404	4.13121E-05	0.00013192	7.82419E-05	**8274**
8275	0.000142225	0.000151492	5.00317E-05	0.000134802	7.14301E-05	0.000144289	0.000153445	4.68848E-05	0.000134802	6.50589E-05	**8275**

8276	0.000140551	0.000149337	5.31324E-05	0.000131417	5.84458E-05	0.000141484	0.000150206	4.86848E-05	0.000131417	5.4672E-05	**8276**
8277	0.000135828	0.000144245	5.20851E-05	0.00012563	5.00484E-05	0.000136052	0.000144381	4.74368E-05	0.00012563	4.75169E-05	**8277**
8278	0.000129337	0.000137569	4.74355E-05	0.000117801	4.3958E-05	0.000128897	0.000136912	4.36281E-05	0.000117801	4.27461E-05	**8278**
8279	0.000115215	0.000122726	4.04844E-05	0.000107241	4.27199E-05	0.000116003	0.000123332	3.80349E-05	0.000107241	4.14827E-05	**8279**
8280	0.000104985	0.000112216	3.30405E-05	0.000100666	4.20972E-05	0.00010734	0.000114381	3.24301E-05	0.000100666	4.08485E-05	**8280**
8281	9.16272E-05	9.82821E-05	2.54162E-05	9.10883E-05	4.20382E-05	9.54135E-05	0.000101895	2.64529E-05	9.10883E-05	4.08056E-05	**8281**
8282	8.71816E-05	9.37185E-05	2.21454E-05	8.78474E-05	4.25127E-05	9.14789E-05	9.78286E-05	2.39241E-05	8.78474E-05	4.13004E-05	**8282**
8283	8.48114E-05	9.12434E-05	2.08184E-05	8.6423E-05	4.35787E-05	8.94845E-05	9.57401E-05	2.29304E-05	8.6423E-05	4.24063E-05	**8283**
8284	8.6494E-05	9.30792E-05	2.09768E-05	8.8953E-05	4.53627E-05	9.1648E-05	9.80688E-05	2.33359E-05	8.8953E-05	4.42437E-05	**8284**
8285	9.27428E-05	9.9742E-05	2.31065E-05	9.54344E-05	4.77512E-05	9.82448E-05	0.000105088	2.54443E-05	9.54344E-05	4.66883E-05	**8285**
8286	0.000102792	0.000110462	2.64835E-05	0.000103767	4.83377E-05	0.000107915	0.000115386	2.84335E-05	0.000103767	4.72424E-05	**8286**
8287	0.000108865	0.000116767	3.02468E-05	0.000108582	9.48375E-05	0.000113522	0.000121246	3.13516E-05	0.000108582	8.62391E-05	**8287**
8288	0.000106344	0.000113862	3.15483E-05	0.000108675	9.4565E-05	0.000111911	0.000119403	3.22022E-05	0.000108675	8.59073E-05	**8288**
8289	0.000105572	0.000112948	3.21817E-05	0.000108047	9.53993E-05	0.000111102	0.000118478	3.26201E-05	0.000108047	8.67437E-05	**8289**
8290	0.000103235	0.00011033	3.26368E-05	0.000105346	9.58133E-05	0.000108409	0.000115527	3.2688E-05	0.000105346	8.71588E-05	**8290**
8291	0.000101234	0.000108099	3.29363E-05	0.000102794	9.63513E-05	0.000106003	0.000112899	3.26386E-05	0.000102794	8.7706E-05	**8291**
8292	9.96568E-05	0.00010645	3.20706E-05	0.000101153	8.92279E-05	0.000104362	0.000111176	3.18683E-05	0.000101153	8.18433E-05	**8292**
8293	9.86174E-05	0.000105343	3.17068E-05	9.96085E-05	8.90084E-05	0.000103055	0.000109788	3.14288E-05	9.96085E-05	8.16221E-05	**8293**
8294	9.7705E-05	0.000104437	3.07243E-05	9.89121E-05	8.80472E-05	0.000102259	0.000108987	3.06793E-05	9.89121E-05	8.06412E-05	**8294**
8295	9.9349E-05	0.000106241	3.07749E-05	0.000100752	9.35168E-05	0.000104096	0.000110977	3.08891E-05	0.000100752	8.48144E-05	**8295**
8296	0.000108589	0.000116183	3.30413E-05	0.000109979	9.12E-05	0.000113761	0.000121323	3.3306E-05	0.000109979	8.24375E-05	**8296**
8297	0.000122079	0.000130719	3.6111E-05	0.000122364	8.89423E-05	0.0001274	0.000135947	3.64713E-05	0.000122364	8.01193E-05	**8297**
8298	0.00013504	0.00014438	4.21189E-05	0.00013192	8.71111E-05	0.000139203	0.000148404	4.13121E-05	0.00013192	7.82419E-05	**8298**
8299	0.000142225	0.000151492	5.00317E-05	0.000134802	7.14301E-05	0.000144289	0.000153445	4.68848E-05	0.000134802	6.50589E-05	**8299**
8300	0.000140551	0.000149337	5.31324E-05	0.000131417	5.84458E-05	0.000141484	0.000150206	4.86848E-05	0.000131417	5.4672E-05	**8300**
8301	0.000135828	0.000144245	5.20851E-05	0.00012563	5.00484E-05	0.000136052	0.000144381	4.74368E-05	0.00012563	4.75169E-05	**8301**
8302	0.000129337	0.000137569	4.74355E-05	0.000117801	4.3958E-05	0.000128897	0.000136912	4.36281E-05	0.000117801	4.27461E-05	**8302**
8303	0.000115215	0.000122726	4.04844E-05	0.000107241	4.27199E-05	0.000116003	0.000123332	3.80349E-05	0.000107241	4.14827E-05	**8303**
8304	0.000104985	0.000112216	3.30405E-05	0.000100666	4.20972E-05	0.00010734	0.000114381	3.24301E-05	0.000100666	4.08485E-05	**8304**
8305	9.1826E-05	9.84966E-05	2.54592E-05	9.13286E-05	4.2117E-05	9.56408E-05	0.000102139	2.65081E-05	9.13286E-05	4.08852E-05	**8305**
8306	8.84425E-05	9.50785E-05	2.24193E-05	8.9377E-05	4.25348E-05	9.29225E-05	9.93748E-05	2.42758E-05	8.9377E-05	4.1322E-05	**8306**
8307	8.6051E-05	9.25805E-05	2.10873E-05	8.79244E-05	4.35632E-05	9.09026E-05	9.72591E-05	2.32755E-05	8.79244E-05	4.23894E-05	**8307**
8308	8.76917E-05	9.43717E-05	2.12312E-05	9.03686E-05	4.54031E-05	9.30028E-05	9.95206E-05	2.36592E-05	9.03686E-05	4.42847E-05	**8308**
8309	9.39284E-05	0.000101022	2.33535E-05	9.68045E-05	4.7832E-05	9.95724E-05	0.000106511	2.57555E-05	9.68045E-05	4.67707E-05	**8309**
8310	0.000103956	0.000111718	2.67276E-05	0.000105123	4.84894E-05	0.000109223	0.000116787	2.8742E-05	0.000105123	4.73981E-05	**8310**
8311	0.000108616	0.000116473	3.04473E-05	0.000109826	9.50069E-05	0.000113915	0.00012165	3.1617E-05	0.000109826	8.6413E-05	**8311**
8312	0.000107864	0.000115503	3.18568E-05	0.000110378	9.47786E-05	0.000113589	0.000121203	3.25857E-05	0.000110378	8.61272E-05	**8312**
8313	0.000107524	0.000115057	3.25757E-05	0.00011022	9.56619E-05	0.000113251	0.000120784	3.31087E-05	0.00011022	8.70145E-05	**8313**
8314	0.000105741	0.000113038	3.31397E-05	0.000108118	9.60519E-05	0.000111161	0.000118479	3.33098E-05	0.000108118	8.74046E-05	**8314**
8315	0.00010404	0.00011113	3.35E-05	0.000105901	9.65145E-05	0.000109086	0.000116206	3.3336E-05	0.000105901	8.78739E-05	**8315**
8316	0.000102562	0.000109588	3.26573E-05	0.00010439	8.94E-05	0.000107562	0.000114609	3.25961E-05	0.00010439	8.20201E-05	**8316**
8317	0.000101549	0.000108509	3.23048E-05	0.000102913	8.92177E-05	0.000106302	0.000113269	3.21744E-05	0.000102913	8.18375E-05	**8317**
8318	0.000100494	0.000107451	3.12828E-05	0.000101989	8.82371E-05	0.000105318	0.000112268	3.13693E-05	0.000101989	8.08368E-05	**8318**
8319	0.000101869	0.000108964	3.12835E-05	0.000103557	9.36803E-05	0.000106871	0.000113953	3.15198E-05	0.000103557	8.49825E-05	**8319**
8320	0.000110749	0.000118514	3.34886E-05	0.000112457	9.13065E-05	0.000116171	0.000123907	3.38678E-05	0.000112457	8.25466E-05	**8320**
8321	0.000124039	0.000132835	3.65281E-05	0.000124686	8.90876E-05	0.00012962	0.000138325	3.70018E-05	0.000124686	8.02685E-05	**8321**
8322	0.000136856	0.00014634	4.25006E-05	0.00013404	8.72716E-05	0.000141246	0.000150594	4.17949E-05	0.00013404	7.84069E-05	**8322**
8323	0.000143944	0.000153346	5.04027E-05	0.000136872	7.16621E-05	0.000146251	0.000155546	4.73599E-05	0.000136872	6.52972E-05	**8323**
8324	0.000142012	0.000150912	5.34605E-05	0.000133259	5.86219E-05	0.000143187	0.00015203	4.91123E-05	0.000133259	5.48525E-05	**8324**
8325	0.000138554	0.000147212	5.242E-05	0.000127373	5.01324E-05	0.000138487	0.000147006	4.78572E-05	0.000127373	4.76018E-05	**8325**
8326	0.000130569	0.000138898	4.77079E-05	0.000119326	4.39717E-05	0.000130322	0.000138437	4.39805E-05	0.000119326	4.27587E-05	**8326**
8327	0.000116278	0.000123873	4.07081E-05	0.000108484	4.27076E-05	0.0001172	0.000124614	3.83179E-05	0.000108484	4.14684E-05	**8327**
8328	0.000105616	0.000112898	3.31668E-05	0.000101362	4.19502E-05	0.000108033	0.000115124	3.25862E-05	0.000101362	4.0696E-05	**8328**
8329	9.1826E-05	9.84966E-05	2.54592E-05	9.13286E-05	4.2117E-05	9.56408E-05	0.000102139	2.65081E-05	9.13286E-05	4.08852E-05	**8329**
8330	8.84425E-05	9.50785E-05	2.24193E-05	8.9377E-05	4.25348E-05	9.29225E-05	9.93748E-05	2.42758E-05	8.9377E-05	4.1322E-05	**8330**
8331	8.6051E-05	9.25805E-05	2.10873E-05	8.79244E-05	4.35632E-05	9.09026E-05	9.72591E-05	2.32755E-05	8.79244E-05	4.23894E-05	**8331**
8332	8.76917E-05	9.43717E-05	2.12312E-05	9.03686E-05	4.54031E-05	9.30028E-05	9.95206E-05	2.36592E-05	9.03686E-05	4.42847E-05	**8332**
8333	9.39284E-05	0.000101022	2.33535E-05	9.68045E-05	4.7832E-05	9.95724E-05	0.000106511	2.57555E-05	9.68045E-05	4.67707E-05	**8333**
8334	0.000103956	0.000111718	2.67276E-05	0.000105123	4.84894E-05	0.000109223	0.000116787	2.8742E-05	0.000105123	4.73981E-05	**8334**
8335	0.000108616	0.000116473	3.04473E-05	0.000109826	9.50069E-05	0.000113915	0.00012165	3.1617E-05	0.000109826	8.6413E-05	**8335**
8336	0.000107864	0.000115503	3.18568E-05	0.000110378	9.47786E-05	0.000113589	0.000121203	3.25857E-05	0.000110378	8.61272E-05	**8336**
8337	0.000107524	0.000115057	3.25757E-05	0.00011022	9.56619E-05	0.000113251	0.000120784	3.31087E-05	0.00011022	8.70145E-05	**8337**
8338	0.000105741	0.000113038	3.31397E-05	0.000108118	9.60519E-05	0.000111161	0.000118479	3.33098E-05	0.000108118	8.74046E-05	**8338**
8339	0.00010404	0.00011113	3.35E-05	0.000105901	9.65145E-05	0.000109086	0.000116206	3.3336E-05	0.000105901	8.78739E-05	**8339**
8340	0.000102562	0.000109588	3.26573E-05	0.00010439	8.94E-05	0.000107562	0.000114609	3.25961E-05	0.00010439	8.20201E-05	**8340**
8341	0.000101549	0.000108509	3.23048E-05	0.000102913	8.92177E-05	0.000106302	0.000113269	3.21744E-05	0.000102913	8.18375E-05	**8341**
8342	0.000100494	0.000107451	3.12828E-05	0.000101989	8.82371E-05	0.000105318	0.000112268	3.13693E-05	0.000101989	8.08368E-05	**8342**
8343	0.000101869	0.000108964	3.12835E-05	0.000103557	9.36803E-05	0.000106871	0.000113953	3.15198E-05	0.000103557	8.49825E-05	**8343**
8344	0.000110749	0.000118514	3.34886E-05	0.000112457	9.13065E-05	0.000116171	0.000123907	3.38678E-05	0.000112457	8.25466E-05	**8344**
8345	0.000124039	0.000132835	3.65281E-05	0.000124686	8.90876E-05	0.00012962	0.000138325	3.70018E-05	0.000124686	8.02685E-05	**8345**
8346	0.000136856	0.00014634	4.25006E-05	0.00013404	8.72716E-05	0.000141246	0.000150594	4.17949E-05	0.00013404	7.84069E-05	**8346**
8347	0.000143944	0.000153346	5.04027E-05	0.000136872	7.16621E-05	0.000146251	0.000155546	4.73599E-05	0.000136872	6.52972E-05	**8347**
8348	0.000142012	0.000150912	5.34605E-05	0.000133259	5.86219E-05	0.000143187	0.00015203	4.91123E-05	0.000133259	5.48525E-05	**8348**
8349	0.000138554	0.000147212	5.242E-05	0.000127373	5.01324E-05	0.000138487	0.000147006	4.78572E-05	0.000127373	4.76018E-05	**8349**
8350	0.000130569	0.000138898	4.77079E-05	0.000119326	4.39717E-05	0.000130322	0.000138437	4.39805E-05	0.000119326	4.27587E-05	**8350**
8351	0.000116278	0.000123873	4.07081E-05	0.000108484	4.27076E-05	0.0001172	0.000124614	3.83179E-05	0.000108484	4.14684E-05	**8351**

8352	0.000105616	0.000112898	3.31668E-05	0.000101362	4.19502E-05	0.000108033	0.000115124	3.25862E-05	0.000101362	4.0696E-05	**8352**
8353	9.1826E-05	9.84966E-05	2.54592E-05	9.13286E-05	4.2117E-05	9.56408E-05	0.000102139	2.65081E-05	9.13286E-05	4.08852E-05	**8353**
8354	8.84425E-05	9.50785E-05	2.24193E-05	8.9377E-05	4.25348E-05	9.29225E-05	9.93748E-05	2.42758E-05	8.9377E-05	4.1322E-05	**8354**
8355	8.6051E-05	9.25805E-05	2.10873E-05	8.79244E-05	4.35632E-05	9.09026E-05	9.72591E-05	2.32755E-05	8.79244E-05	4.23894E-05	**8355**
8356	8.76917E-05	9.43717E-05	2.12312E-05	9.03686E-05	4.54031E-05	9.30028E-05	9.95206E-05	2.36592E-05	9.03686E-05	4.42847E-05	**8356**
8357	9.39284E-05	0.000101022	2.33535E-05	9.68045E-05	4.7832E-05	9.95724E-05	0.000106511	2.57555E-05	9.68045E-05	4.67707E-05	**8357**
8358	0.000103956	0.000111718	2.67276E-05	0.000105123	4.84894E-05	0.000109223	0.000116787	2.8742E-05	0.000105123	4.73981E-05	**8358**
8359	0.000108616	0.000116473	3.04473E-05	0.000109826	9.50069E-05	0.000113915	0.00012165	3.1617E-05	0.000109826	8.6413E-05	**8359**
8360	0.000107864	0.000115503	3.18568E-05	0.000110378	9.47786E-05	0.000113589	0.000121203	3.25857E-05	0.000110378	8.61272E-05	**8360**
8361	0.000107524	0.000115057	3.25757E-05	0.00011022	9.56619E-05	0.000113251	0.000120784	3.31087E-05	0.00011022	8.70145E-05	**8361**
8362	0.000105741	0.000113038	3.31397E-05	0.000108118	9.60519E-05	0.000111161	0.000118479	3.33098E-05	0.000108118	8.74046E-05	**8362**
8363	0.00010404	0.00011113	3.35E-05	0.000105901	9.65145E-05	0.000109086	0.000116206	3.3336E-05	0.000105901	8.78739E-05	**8363**
8364	0.000102562	0.000109588	3.26573E-05	0.00010439	8.94E-05	0.000107562	0.000114609	3.25961E-05	0.00010439	8.20201E-05	**8364**
8365	0.000101549	0.000108509	3.23048E-05	0.000102913	8.92177E-05	0.000106302	0.000113269	3.21744E-05	0.000102913	8.18375E-05	**8365**
8366	0.000100494	0.000107451	3.12828E-05	0.000101989	8.82371E-05	0.000105318	0.000112268	3.13693E-05	0.000101989	8.08368E-05	**8366**
8367	0.000101869	0.000108964	3.12835E-05	0.000103557	9.36803E-05	0.000106871	0.000113953	3.15198E-05	0.000103557	8.49825E-05	**8367**
8368	0.000110749	0.000118514	3.34886E-05	0.000112457	9.13065E-05	0.000116171	0.000123907	3.38678E-05	0.000112457	8.25466E-05	**8368**
8369	0.000124039	0.000132835	3.65281E-05	0.000124686	8.90876E-05	0.00012962	0.000138325	3.70018E-05	0.000124686	8.02685E-05	**8369**
8370	0.000136856	0.00014634	4.25006E-05	0.00013404	8.72716E-05	0.000141246	0.000150594	4.17949E-05	0.00013404	7.84069E-05	**8370**
8371	0.000143944	0.000153346	5.04027E-05	0.000136872	7.16621E-05	0.000146251	0.000155546	4.73599E-05	0.000136872	6.52972E-05	**8371**
8372	0.000142012	0.000150912	5.34605E-05	0.000133259	5.86219E-05	0.000143187	0.00015203	4.91123E-05	0.000133259	5.48525E-05	**8372**
8373	0.000138554	0.000147212	5.242E-05	0.000127373	5.01324E-05	0.000138487	0.000147006	4.78572E-05	0.000127373	4.76018E-05	**8373**
8374	0.000130569	0.000138898	4.77079E-05	0.000119326	4.39717E-05	0.000130322	0.000138437	4.39805E-05	0.000119326	4.27587E-05	**8374**
8375	0.000116278	0.000123873	4.07081E-05	0.000108484	4.27076E-05	0.0001172	0.000124614	3.83179E-05	0.000108484	4.14684E-05	**8375**
8376	0.000105616	0.000112898	3.31668E-05	0.000101362	4.19502E-05	0.000108033	0.000115124	3.25862E-05	0.000101362	4.0696E-05	**8376**
8377	9.1826E-05	9.84966E-05	2.54592E-05	9.13286E-05	4.2117E-05	9.56408E-05	0.000102139	2.65081E-05	9.13286E-05	4.08852E-05	**8377**
8378	8.84425E-05	9.50785E-05	2.24193E-05	8.9377E-05	4.25348E-05	9.29225E-05	9.93748E-05	2.42758E-05	8.9377E-05	4.1322E-05	**8378**
8379	8.6051E-05	9.25805E-05	2.10873E-05	8.79244E-05	4.35632E-05	9.09026E-05	9.72591E-05	2.32755E-05	8.79244E-05	4.23894E-05	**8379**
8380	8.76917E-05	9.43717E-05	2.12312E-05	9.03686E-05	4.54031E-05	9.30028E-05	9.95206E-05	2.36592E-05	9.03686E-05	4.42847E-05	**8380**
8381	9.39284E-05	0.000101022	2.33535E-05	9.68045E-05	4.7832E-05	9.95724E-05	0.000106511	2.57555E-05	9.68045E-05	4.67707E-05	**8381**
8382	0.000103956	0.000111718	2.67276E-05	0.000105123	4.84894E-05	0.000109223	0.000116787	2.8742E-05	0.000105123	4.73981E-05	**8382**
8383	0.000108616	0.000116473	3.04473E-05	0.000109826	9.50069E-05	0.000113915	0.00012165	3.1617E-05	0.000109826	8.6413E-05	**8383**
8384	0.000107864	0.000115503	3.18568E-05	0.000110378	9.47786E-05	0.000113589	0.000121203	3.25857E-05	0.000110378	8.61272E-05	**8384**
8385	0.000107524	0.000115057	3.25757E-05	0.00011022	9.56619E-05	0.000113251	0.000120784	3.31087E-05	0.00011022	8.70145E-05	**8385**
8386	0.000105741	0.000113038	3.31397E-05	0.000108118	9.60519E-05	0.000111161	0.000118479	3.33098E-05	0.000108118	8.74046E-05	**8386**
8387	0.00010404	0.00011113	3.35E-05	0.000105901	9.65145E-05	0.000109086	0.000116206	3.3336E-05	0.000105901	8.78739E-05	**8387**
8388	0.000102562	0.000109588	3.26573E-05	0.00010439	8.94E-05	0.000107562	0.000114609	3.25961E-05	0.00010439	8.20201E-05	**8388**
8389	0.000101549	0.000108509	3.23048E-05	0.000102913	8.92177E-05	0.000106302	0.000113269	3.21744E-05	0.000102913	8.18375E-05	**8389**
8390	0.000100494	0.000107451	3.12828E-05	0.000101989	8.82371E-05	0.000105318	0.000112268	3.13693E-05	0.000101989	8.08368E-05	**8390**
8391	0.000101869	0.000108964	3.12835E-05	0.000103557	9.36803E-05	0.000106871	0.000113953	3.15198E-05	0.000103557	8.49825E-05	**8391**
8392	0.000110749	0.000118514	3.34886E-05	0.000112457	9.13065E-05	0.000116171	0.000123907	3.38678E-05	0.000112457	8.25466E-05	**8392**
8393	0.000124039	0.000132835	3.65281E-05	0.000124686	8.90876E-05	0.00012962	0.000138325	3.70018E-05	0.000124686	8.02685E-05	**8393**
8394	0.000136856	0.00014634	4.25006E-05	0.00013404	8.72716E-05	0.000141246	0.000150594	4.17949E-05	0.00013404	7.84069E-05	**8394**
8395	0.000143944	0.000153346	5.04027E-05	0.000136872	7.16621E-05	0.000146251	0.000155546	4.73599E-05	0.000136872	6.52972E-05	**8395**
8396	0.000142012	0.000150912	5.34605E-05	0.000133259	5.86219E-05	0.000143187	0.00015203	4.91123E-05	0.000133259	5.48525E-05	**8396**
8397	0.000138554	0.000147212	5.242E-05	0.000127373	5.01324E-05	0.000138487	0.000147006	4.78572E-05	0.000127373	4.76018E-05	**8397**
8398	0.000130569	0.000138898	4.77079E-05	0.000119326	4.39717E-05	0.000130322	0.000138437	4.39805E-05	0.000119326	4.27587E-05	**8398**
8399	0.000116278	0.000123873	4.07081E-05	0.000108484	4.27076E-05	0.0001172	0.000124614	3.83179E-05	0.000108484	4.14684E-05	**8399**
8400	0.000105616	0.000112898	3.31668E-05	0.000101362	4.19502E-05	0.000108033	0.000115124	3.25862E-05	0.000101362	4.0696E-05	**8400**
8401	9.1826E-05	9.84966E-05	2.54592E-05	9.13286E-05	4.2117E-05	9.56408E-05	0.000102139	2.65081E-05	9.13286E-05	4.08852E-05	**8401**
8402	8.84425E-05	9.50785E-05	2.24193E-05	8.9377E-05	4.25348E-05	9.29225E-05	9.93748E-05	2.42758E-05	8.9377E-05	4.1322E-05	**8402**
8403	8.6051E-05	9.25805E-05	2.10873E-05	8.79244E-05	4.35632E-05	9.09026E-05	9.72591E-05	2.32755E-05	8.79244E-05	4.23894E-05	**8403**
8404	8.76917E-05	9.43717E-05	2.12312E-05	9.03686E-05	4.54031E-05	9.30028E-05	9.95206E-05	2.36592E-05	9.03686E-05	4.42847E-05	**8404**
8405	9.39284E-05	0.000101022	2.33535E-05	9.68045E-05	4.7832E-05	9.95724E-05	0.000106511	2.57555E-05	9.68045E-05	4.67707E-05	**8405**
8406	0.000103956	0.000111718	2.67276E-05	0.000105123	4.84894E-05	0.000109223	0.000116787	2.8742E-05	0.000105123	4.73981E-05	**8406**
8407	0.000108616	0.000116473	3.04473E-05	0.000109826	9.50069E-05	0.000113915	0.00012165	3.1617E-05	0.000109826	8.6413E-05	**8407**
8408	0.000107864	0.000115503	3.18568E-05	0.000110378	9.47786E-05	0.000113589	0.000121203	3.25857E-05	0.000110378	8.61272E-05	**8408**
8409	0.000107524	0.000115057	3.25757E-05	0.00011022	9.56619E-05	0.000113251	0.000120784	3.31087E-05	0.00011022	8.70145E-05	**8409**
8410	0.000105741	0.000113038	3.31397E-05	0.000108118	9.60519E-05	0.000111161	0.000118479	3.33098E-05	0.000108118	8.74046E-05	**8410**
8411	0.00010404	0.00011113	3.35E-05	0.000105901	9.65145E-05	0.000109086	0.000116206	3.3336E-05	0.000105901	8.78739E-05	**8411**
8412	0.000102562	0.000109588	3.26573E-05	0.00010439	8.94E-05	0.000107562	0.000114609	3.25961E-05	0.00010439	8.20201E-05	**8412**
8413	0.000101549	0.000108509	3.23048E-05	0.000102913	8.92177E-05	0.000106302	0.000113269	3.21744E-05	0.000102913	8.18375E-05	**8413**
8414	0.000100494	0.000107451	3.12828E-05	0.000101989	8.82371E-05	0.000105318	0.000112268	3.13693E-05	0.000101989	8.08368E-05	**8414**
8415	0.000101869	0.000108964	3.12835E-05	0.000103557	9.36803E-05	0.000106871	0.000113953	3.15198E-05	0.000103557	8.49825E-05	**8415**
8416	0.000110749	0.000118514	3.34886E-05	0.000112457	9.13065E-05	0.000116171	0.000123907	3.38678E-05	0.000112457	8.25466E-05	**8416**
8417	0.000124039	0.000132835	3.65281E-05	0.000124686	8.90876E-05	0.00012962	0.000138325	3.70018E-05	0.000124686	8.02685E-05	**8417**
8418	0.000136856	0.00014634	4.25006E-05	0.00013404	8.72716E-05	0.000141246	0.000150594	4.17949E-05	0.00013404	7.84069E-05	**8418**
8419	0.000143944	0.000153346	5.04027E-05	0.000136872	7.16621E-05	0.000146251	0.000155546	4.73599E-05	0.000136872	6.52972E-05	**8419**
8420	0.000142012	0.000150912	5.34605E-05	0.000133259	5.86219E-05	0.000143187	0.00015203	4.91123E-05	0.000133259	5.48525E-05	**8420**
8421	0.000138554	0.000147212	5.242E-05	0.000127373	5.01324E-05	0.000138487	0.000147006	4.78572E-05	0.000127373	4.76018E-05	**8421**
8422	0.000130569	0.000138898	4.77079E-05	0.000119326	4.39717E-05	0.000130322	0.000138437	4.39805E-05	0.000119326	4.27587E-05	**8422**
8423	0.000116278	0.000123873	4.07081E-05	0.000108484	4.27076E-05	0.0001172	0.000124614	3.83179E-05	0.000108484	4.14684E-05	**8423**
8424	0.000105616	0.000112898	3.31668E-05	0.000101362	4.19502E-05	0.000108033	0.000115124	3.25862E-05	0.000101362	4.0696E-05	**8424**
8425	9.16272E-05	9.82821E-05	2.54162E-05	9.10883E-05	4.20382E-05	9.54135E-05	0.000101895	2.64529E-05	9.10883E-05	4.08056E-05	**8425**
8426	8.71816E-05	9.37185E-05	2.21454E-05	8.78474E-05	4.25127E-05	9.14789E-05	9.78286E-05	2.39241E-05	8.78474E-05	4.13004E-05	**8426**
8427	8.48114E-05	9.12434E-05	2.08184E-05	8.6423E-05	4.35787E-05	8.94845E-05	9.57401E-05	2.29304E-05	8.6423E-05	4.24063E-05	**8427**

8428	8.6494E-05	9.30792E-05	2.09768E-05	8.8953E-05	4.53627E-05	9.1648E-05	9.80688E-05	2.33359E-05	8.8953E-05	4.42437E-05	**8428**
8429	9.27428E-05	9.9742E-05	2.31065E-05	9.54344E-05	4.77512E-05	9.82448E-05	0.000105088	2.54443E-05	9.54344E-05	4.66883E-05	**8429**
8430	0.000102792	0.000110462	2.64835E-05	0.000103767	4.83377E-05	0.000107915	0.000115386	2.84335E-05	0.000103767	4.72424E-05	**8430**
8431	0.000108865	0.000116767	3.02468E-05	0.000108582	9.48375E-05	0.000113522	0.000121246	3.13516E-05	0.000108582	8.62391E-05	**8431**
8432	0.000106344	0.000113862	3.15483E-05	0.000108675	9.4565E-05	0.000111911	0.000119403	3.22022E-05	0.000108675	8.59073E-05	**8432**
8433	0.000105572	0.000112948	3.21817E-05	0.000108047	9.53993E-05	0.000111102	0.000118478	3.26201E-05	0.000108047	8.67437E-05	**8433**
8434	0.000103235	0.00011033	3.26368E-05	0.000105346	9.58133E-05	0.000108409	0.000115527	3.2688E-05	0.000105346	8.71588E-05	**8434**
8435	0.000101234	0.000108099	3.29363E-05	0.000102794	9.63513E-05	0.000106003	0.000112899	3.26386E-05	0.000102794	8.7706E-05	**8435**
8436	9.96568E-05	0.00010645	3.20706E-05	0.000101153	8.92279E-05	0.000104362	0.000111176	3.18683E-05	0.000101153	8.18433E-05	**8436**
8437	9.86174E-05	0.000105343	3.17068E-05	9.96085E-05	8.90084E-05	0.000103055	0.000109788	3.14288E-05	9.96085E-05	8.16221E-05	**8437**
8438	9.7705E-05	0.000104437	3.07243E-05	9.89121E-05	8.80472E-05	0.000102259	0.000108987	3.06793E-05	9.89121E-05	8.06412E-05	**8438**
8439	9.9349E-05	0.000106241	3.07749E-05	0.000100752	9.35168E-05	0.000104096	0.000110977	3.08891E-05	0.000100752	8.48144E-05	**8439**
8440	0.000108589	0.000116183	3.30413E-05	0.000109979	9.12E-05	0.000113761	0.000121323	3.3306E-05	0.000109979	8.24375E-05	**8440**
8441	0.000122079	0.000130719	3.6111E-05	0.000122364	8.89423E-05	0.0001274	0.000135947	3.64713E-05	0.000122364	8.01193E-05	**8441**
8442	0.00013504	0.00014438	4.21189E-05	0.00013192	8.71111E-05	0.000139203	0.000148404	4.13121E-05	0.00013192	7.82419E-05	**8442**
8443	0.000142225	0.000151492	5.00317E-05	0.000134802	7.14301E-05	0.000144289	0.000153445	4.68848E-05	0.000134802	6.50589E-05	**8443**
8444	0.000140551	0.000149337	5.31324E-05	0.000131417	5.84458E-05	0.000141484	0.000150206	4.86848E-05	0.000131417	5.4672E-05	**8444**
8445	0.000135828	0.000144245	5.20851E-05	0.00012563	5.00484E-05	0.000136052	0.000144381	4.74368E-05	0.00012563	4.75169E-05	**8445**
8446	0.000129337	0.000137569	4.74355E-05	0.000117801	4.3958E-05	0.000128897	0.000136912	4.36281E-05	0.000117801	4.27461E-05	**8446**
8447	0.000115215	0.000122726	4.04844E-05	0.000107241	4.27199E-05	0.000116003	0.000123332	3.80349E-05	0.000107241	4.14827E-05	**8447**
8448	0.000104985	0.000112216	3.30405E-05	0.000100666	4.20972E-05	0.00010734	0.000114381	3.24301E-05	0.000100666	4.08485E-05	**8448**
8449	9.16272E-05	9.82821E-05	2.54162E-05	9.10883E-05	4.20382E-05	9.54135E-05	0.000101895	2.64529E-05	9.10883E-05	4.08056E-05	**8449**
8450	8.71816E-05	9.37185E-05	2.21454E-05	8.78474E-05	4.25127E-05	9.14789E-05	9.78286E-05	2.39241E-05	8.78474E-05	4.13004E-05	**8450**
8451	8.48114E-05	9.12434E-05	2.08184E-05	8.6423E-05	4.35787E-05	8.94845E-05	9.57401E-05	2.29304E-05	8.6423E-05	4.24063E-05	**8451**
8452	8.6494E-05	9.30792E-05	2.09768E-05	8.8953E-05	4.53627E-05	9.1648E-05	9.80688E-05	2.33359E-05	8.8953E-05	4.42437E-05	**8452**
8453	9.27428E-05	9.9742E-05	2.31065E-05	9.54344E-05	4.77512E-05	9.82448E-05	0.000105088	2.54443E-05	9.54344E-05	4.66883E-05	**8453**
8454	0.000102792	0.000110462	2.64835E-05	0.000103767	4.83377E-05	0.000107915	0.000115386	2.84335E-05	0.000103767	4.72424E-05	**8454**
8455	0.000108865	0.000116767	3.02468E-05	0.000108582	9.48375E-05	0.000113522	0.000121246	3.13516E-05	0.000108582	8.62391E-05	**8455**
8456	0.000106344	0.000113862	3.15483E-05	0.000108675	9.4565E-05	0.000111911	0.000119403	3.22022E-05	0.000108675	8.59073E-05	**8456**
8457	0.000105572	0.000112948	3.21817E-05	0.000108047	9.53993E-05	0.000111102	0.000118478	3.26201E-05	0.000108047	8.67437E-05	**8457**
8458	0.000103235	0.00011033	3.26368E-05	0.000105346	9.58133E-05	0.000108409	0.000115527	3.2688E-05	0.000105346	8.71588E-05	**8458**
8459	0.000101234	0.000108099	3.29363E-05	0.000102794	9.63513E-05	0.000106003	0.000112899	3.26386E-05	0.000102794	8.7706E-05	**8459**
8460	9.96568E-05	0.00010645	3.20706E-05	0.000101153	8.92279E-05	0.000104362	0.000111176	3.18683E-05	0.000101153	8.18433E-05	**8460**
8461	9.86174E-05	0.000105343	3.17068E-05	9.96085E-05	8.90084E-05	0.000103055	0.000109788	3.14288E-05	9.96085E-05	8.16221E-05	**8461**
8462	9.7705E-05	0.000104437	3.07243E-05	9.89121E-05	8.80472E-05	0.000102259	0.000108987	3.06793E-05	9.89121E-05	8.06412E-05	**8462**
8463	9.9349E-05	0.000106241	3.07749E-05	0.000100752	9.35168E-05	0.000104096	0.000110977	3.08891E-05	0.000100752	8.48144E-05	**8463**
8464	0.000108589	0.000116183	3.30413E-05	0.000109979	9.12E-05	0.000113761	0.000121323	3.3306E-05	0.000109979	8.24375E-05	**8464**
8465	0.000122079	0.000130719	3.6111E-05	0.000122364	8.89423E-05	0.0001274	0.000135947	3.64713E-05	0.000122364	8.01193E-05	**8465**
8466	0.00013504	0.00014438	4.21189E-05	0.00013192	8.71111E-05	0.000139203	0.000148404	4.13121E-05	0.00013192	7.82419E-05	**8466**
8467	0.000142225	0.000151492	5.00317E-05	0.000134802	7.14301E-05	0.000144289	0.000153445	4.68848E-05	0.000134802	6.50589E-05	**8467**
8468	0.000140551	0.000149337	5.31324E-05	0.000131417	5.84458E-05	0.000141484	0.000150206	4.86848E-05	0.000131417	5.4672E-05	**8468**
8469	0.000135828	0.000144245	5.20851E-05	0.00012563	5.00484E-05	0.000136052	0.000144381	4.74368E-05	0.00012563	4.75169E-05	**8469**
8470	0.000129337	0.000137569	4.74355E-05	0.000117801	4.3958E-05	0.000128897	0.000136912	4.36281E-05	0.000117801	4.27461E-05	**8470**
8471	0.000115215	0.000122726	4.04844E-05	0.000107241	4.27199E-05	0.000116003	0.000123332	3.80349E-05	0.000107241	4.14827E-05	**8471**
8472	0.000104985	0.000112216	3.30405E-05	0.000100666	4.20972E-05	0.00010734	0.000114381	3.24301E-05	0.000100666	4.08485E-05	**8472**
8473	9.1826E-05	9.84966E-05	2.54592E-05	9.13286E-05	4.2117E-05	9.56408E-05	0.000102139	2.65081E-05	9.13286E-05	4.08852E-05	**8473**
8474	8.84425E-05	9.50785E-05	2.24193E-05	8.9377E-05	4.25348E-05	9.29225E-05	9.93748E-05	2.42758E-05	8.9377E-05	4.1322E-05	**8474**
8475	8.6051E-05	9.25805E-05	2.10873E-05	8.79244E-05	4.35632E-05	9.09026E-05	9.72591E-05	2.32755E-05	8.79244E-05	4.23894E-05	**8475**
8476	8.76917E-05	9.43717E-05	2.12312E-05	9.03686E-05	4.54031E-05	9.30028E-05	9.95206E-05	2.36592E-05	9.03686E-05	4.42847E-05	**8476**
8477	9.39284E-05	0.000101022	2.33535E-05	9.68045E-05	4.7832E-05	9.95724E-05	0.000106511	2.57555E-05	9.68045E-05	4.67707E-05	**8477**
8478	0.000103956	0.000111718	2.67276E-05	0.000105123	4.84894E-05	0.000109223	0.000116787	2.8742E-05	0.000105123	4.73981E-05	**8478**
8479	0.000108616	0.000116473	3.04473E-05	0.000109826	9.50069E-05	0.000113915	0.00012165	3.1617E-05	0.000109826	8.6413E-05	**8479**
8480	0.000107864	0.000115503	3.18568E-05	0.000110378	9.47786E-05	0.000113589	0.000121203	3.25857E-05	0.000110378	8.61272E-05	**8480**
8481	0.000107524	0.000115057	3.25757E-05	0.00011022	9.56619E-05	0.000113251	0.000120784	3.31087E-05	0.00011022	8.70145E-05	**8481**
8482	0.000105741	0.000113038	3.31397E-05	0.000108118	9.60519E-05	0.000111161	0.000118479	3.33098E-05	0.000108118	8.74046E-05	**8482**
8483	0.00010404	0.00011113	3.35E-05	0.000105901	9.65145E-05	0.000109086	0.000116206	3.3336E-05	0.000105901	8.78739E-05	**8483**
8484	0.000102562	0.000109588	3.26573E-05	0.00010439	8.94E-05	0.000107562	0.000114609	3.25961E-05	0.00010439	8.20201E-05	**8484**
8485	0.000101549	0.000108509	3.23048E-05	0.000102913	8.92177E-05	0.000106302	0.000113269	3.21744E-05	0.000102913	8.18375E-05	**8485**
8486	0.000100494	0.000107451	3.12828E-05	0.000101989	8.82371E-05	0.000105318	0.000112268	3.13693E-05	0.000101989	8.08368E-05	**8486**
8487	0.000101869	0.000108964	3.12835E-05	0.000103557	9.36803E-05	0.000106871	0.000113953	3.15198E-05	0.000103557	8.49825E-05	**8487**
8488	0.000110749	0.000118514	3.34886E-05	0.000112457	9.13065E-05	0.000116171	0.000123907	3.38678E-05	0.000112457	8.25466E-05	**8488**
8489	0.000124039	0.000132835	3.65281E-05	0.000124686	8.90876E-05	0.00012962	0.000138325	3.70018E-05	0.000124686	8.02685E-05	**8489**
8490	0.000136856	0.00014634	4.25006E-05	0.00013404	8.72716E-05	0.000141246	0.000150594	4.17949E-05	0.00013404	7.84069E-05	**8490**
8491	0.000143944	0.000153346	5.04027E-05	0.000136872	7.16621E-05	0.000146251	0.000155546	4.73599E-05	0.000136872	6.52972E-05	**8491**
8492	0.000142012	0.000150912	5.34605E-05	0.000133259	5.86219E-05	0.000143187	0.00015203	4.91123E-05	0.000133259	5.48525E-05	**8492**
8493	0.000138554	0.000147212	5.242E-05	0.000127373	5.01324E-05	0.000138487	0.000147006	4.78572E-05	0.000127373	4.76018E-05	**8493**
8494	0.000130569	0.000138898	4.77079E-05	0.000119326	4.39717E-05	0.000130322	0.000138437	4.39805E-05	0.000119326	4.27587E-05	**8494**
8495	0.000116278	0.000123873	4.07081E-05	0.000108484	4.27076E-05	0.0001172	0.000124614	3.83179E-05	0.000108484	4.14684E-05	**8495**
8496	0.000105616	0.000112898	3.31668E-05	0.000101362	4.19502E-05	0.000108033	0.000115124	3.25862E-05	0.000101362	4.0696E-05	**8496**
8497	9.1826E-05	9.84966E-05	2.54592E-05	9.13286E-05	4.2117E-05	9.56408E-05	0.000102139	2.65081E-05	9.13286E-05	4.08852E-05	**8497**
8498	8.84425E-05	9.50785E-05	2.24193E-05	8.9377E-05	4.25348E-05	9.29225E-05	9.93748E-05	2.42758E-05	8.9377E-05	4.1322E-05	**8498**
8499	8.6051E-05	9.25805E-05	2.10873E-05	8.79244E-05	4.35632E-05	9.09026E-05	9.72591E-05	2.32755E-05	8.79244E-05	4.23894E-05	**8499**
8500	8.76917E-05	9.43717E-05	2.12312E-05	9.03686E-05	4.54031E-05	9.30028E-05	9.95206E-05	2.36592E-05	9.03686E-05	4.42847E-05	**8500**
8501	9.39284E-05	0.000101022	2.33535E-05	9.68045E-05	4.7832E-05	9.95724E-05	0.000106511	2.57555E-05	9.68045E-05	4.67707E-05	**8501**
8502	0.000103956	0.000111718	2.67276E-05	0.000105123	4.84894E-05	0.000109223	0.000116787	2.8742E-05	0.000105123	4.73981E-05	**8502**
8503	0.000108616	0.000116473	3.04473E-05	0.000109826	9.50069E-05	0.000113915	0.00012165	3.1617E-05	0.000109826	8.6413E-05	**8503**

8504	0.000107864	0.000115503	3.18568E-05	0.000110378	9.47786E-05	0.000113589	0.000121203	3.25857E-05	0.000110378	8.61272E-05	**8504**
8505	0.000107524	0.000115057	3.25757E-05	0.00011022	9.56619E-05	0.000113251	0.000120784	3.31087E-05	0.00011022	8.70145E-05	**8505**
8506	0.000105741	0.000113038	3.31397E-05	0.000108118	9.60519E-05	0.000111161	0.000118479	3.33098E-05	0.000108118	8.74046E-05	**8506**
8507	0.00010404	0.00011113	3.35E-05	0.000105901	9.65145E-05	0.000109086	0.000116206	3.3336E-05	0.000105901	8.78739E-05	**8507**
8508	0.000102562	0.000109588	3.26573E-05	0.00010439	8.94E-05	0.000107562	0.000114609	3.25961E-05	0.00010439	8.20201E-05	**8508**
8509	0.000101549	0.000108509	3.23048E-05	0.000102913	8.92177E-05	0.000106302	0.000113269	3.21744E-05	0.000102913	8.18375E-05	**8509**
8510	0.000100494	0.000107451	3.12828E-05	0.000101989	8.82371E-05	0.000105318	0.000112268	3.13693E-05	0.000101989	8.08368E-05	**8510**
8511	0.000101869	0.000108964	3.12835E-05	0.000103557	9.36803E-05	0.000106871	0.000113953	3.15198E-05	0.000103557	8.49825E-05	**8511**
8512	0.000110749	0.000118514	3.34886E-05	0.000112457	9.13065E-05	0.000116171	0.000123907	3.38678E-05	0.000112457	8.25466E-05	**8512**
8513	0.000124039	0.000132835	3.65281E-05	0.000124686	8.90876E-05	0.00012962	0.000138325	3.70018E-05	0.000124686	8.02685E-05	**8513**
8514	0.000136856	0.00014634	4.25006E-05	0.00013404	8.72716E-05	0.000141246	0.000150594	4.17949E-05	0.00013404	7.84069E-05	**8514**
8515	0.000143944	0.000153346	5.04027E-05	0.000136872	7.16621E-05	0.000146251	0.000155546	4.73599E-05	0.000136872	6.52972E-05	**8515**
8516	0.000142012	0.000150912	5.34605E-05	0.000133259	5.86219E-05	0.000143187	0.00015203	4.91123E-05	0.000133259	5.48525E-05	**8516**
8517	0.000138554	0.000147212	5.242E-05	0.000127373	5.01324E-05	0.000138487	0.000147006	4.78572E-05	0.000127373	4.76018E-05	**8517**
8518	0.000130569	0.000138898	4.77079E-05	0.000119326	4.39717E-05	0.000130322	0.000138437	4.39805E-05	0.000119326	4.27587E-05	**8518**
8519	0.000116278	0.000123873	4.07081E-05	0.000108484	4.27076E-05	0.0001172	0.000124614	3.83179E-05	0.000108484	4.14684E-05	**8519**
8520	0.000105616	0.000112898	3.31668E-05	0.000101362	4.19502E-05	0.000108033	0.000115124	3.25862E-05	0.000101362	4.0696E-05	**8520**
8521	9.1826E-05	9.84966E-05	2.54592E-05	9.13286E-05	4.2117E-05	9.56408E-05	0.000102139	2.65081E-05	9.13286E-05	4.08852E-05	**8521**
8522	8.84425E-05	9.50785E-05	2.24193E-05	8.9377E-05	4.25348E-05	9.29225E-05	9.93748E-05	2.42758E-05	8.9377E-05	4.1322E-05	**8522**
8523	8.6051E-05	9.25805E-05	2.10873E-05	8.79244E-05	4.35632E-05	9.09026E-05	9.72591E-05	2.32755E-05	8.79244E-05	4.23894E-05	**8523**
8524	8.76917E-05	9.43717E-05	2.12312E-05	9.03686E-05	4.54031E-05	9.30028E-05	9.95206E-05	2.36592E-05	9.03686E-05	4.42847E-05	**8524**
8525	9.39284E-05	0.000101022	2.33535E-05	9.68045E-05	4.7832E-05	9.95724E-05	0.000106511	2.57555E-05	9.68045E-05	4.67707E-05	**8525**
8526	0.000103956	0.000111718	2.67276E-05	0.000105123	4.84894E-05	0.000109223	0.000116787	2.8742E-05	0.000105123	4.73981E-05	**8526**
8527	0.000108616	0.000116473	3.04473E-05	0.000109826	9.50069E-05	0.000113915	0.00012165	3.1617E-05	0.000109826	8.6413E-05	**8527**
8528	0.000107864	0.000115503	3.18568E-05	0.000110378	9.47786E-05	0.000113589	0.000121203	3.25857E-05	0.000110378	8.61272E-05	**8528**
8529	0.000107524	0.000115057	3.25757E-05	0.00011022	9.56619E-05	0.000113251	0.000120784	3.31087E-05	0.00011022	8.70145E-05	**8529**
8530	0.000105741	0.000113038	3.31397E-05	0.000108118	9.60519E-05	0.000111161	0.000118479	3.33098E-05	0.000108118	8.74046E-05	**8530**
8531	0.00010404	0.00011113	3.35E-05	0.000105901	9.65145E-05	0.000109086	0.000116206	3.3336E-05	0.000105901	8.78739E-05	**8531**
8532	0.000102562	0.000109588	3.26573E-05	0.00010439	8.94E-05	0.000107562	0.000114609	3.25961E-05	0.00010439	8.20201E-05	**8532**
8533	0.000101549	0.000108509	3.23048E-05	0.000102913	8.92177E-05	0.000106302	0.000113269	3.21744E-05	0.000102913	8.18375E-05	**8533**
8534	0.000100494	0.000107451	3.12828E-05	0.000101989	8.82371E-05	0.000105318	0.000112268	3.13693E-05	0.000101989	8.08368E-05	**8534**
8535	0.000101869	0.000108964	3.12835E-05	0.000103557	9.36803E-05	0.000106871	0.000113953	3.15198E-05	0.000103557	8.49825E-05	**8535**
8536	0.000110749	0.000118514	3.34886E-05	0.000112457	9.13065E-05	0.000116171	0.000123907	3.38678E-05	0.000112457	8.25466E-05	**8536**
8537	0.000124039	0.000132835	3.65281E-05	0.000124686	8.90876E-05	0.00012962	0.000138325	3.70018E-05	0.000124686	8.02685E-05	**8537**
8538	0.000136856	0.00014634	4.25006E-05	0.00013404	8.72716E-05	0.000141246	0.000150594	4.17949E-05	0.00013404	7.84069E-05	**8538**
8539	0.000143944	0.000153346	5.04027E-05	0.000136872	7.16621E-05	0.000146251	0.000155546	4.73599E-05	0.000136872	6.52972E-05	**8539**
8540	0.000142012	0.000150912	5.34605E-05	0.000133259	5.86219E-05	0.000143187	0.00015203	4.91123E-05	0.000133259	5.48525E-05	**8540**
8541	0.000138554	0.000147212	5.242E-05	0.000127373	5.01324E-05	0.000138487	0.000147006	4.78572E-05	0.000127373	4.76018E-05	**8541**
8542	0.000130569	0.000138898	4.77079E-05	0.000119326	4.39717E-05	0.000130322	0.000138437	4.39805E-05	0.000119326	4.27587E-05	**8542**
8543	0.000116278	0.000123873	4.07081E-05	0.000108484	4.27076E-05	0.0001172	0.000124614	3.83179E-05	0.000108484	4.14684E-05	**8543**
8544	0.000105616	0.000112898	3.31668E-05	0.000101362	4.19502E-05	0.000108033	0.000115124	3.25862E-05	0.000101362	4.0696E-05	**8544**
8545	9.1826E-05	9.84966E-05	2.54592E-05	9.13286E-05	4.2117E-05	9.56408E-05	0.000102139	2.65081E-05	9.13286E-05	4.08852E-05	**8545**
8546	8.84425E-05	9.50785E-05	2.24193E-05	8.9377E-05	4.25348E-05	9.29225E-05	9.93748E-05	2.42758E-05	8.9377E-05	4.1322E-05	**8546**
8547	8.6051E-05	9.25805E-05	2.10873E-05	8.79244E-05	4.35632E-05	9.09026E-05	9.72591E-05	2.32755E-05	8.79244E-05	4.23894E-05	**8547**
8548	8.76917E-05	9.43717E-05	2.12312E-05	9.03686E-05	4.54031E-05	9.30028E-05	9.95206E-05	2.36592E-05	9.03686E-05	4.42847E-05	**8548**
8549	9.39284E-05	0.000101022	2.33535E-05	9.68045E-05	4.7832E-05	9.95724E-05	0.000106511	2.57555E-05	9.68045E-05	4.67707E-05	**8549**
8550	0.000103956	0.000111718	2.67276E-05	0.000105123	4.84894E-05	0.000109223	0.000116787	2.8742E-05	0.000105123	4.73981E-05	**8550**
8551	0.000108616	0.000116473	3.04473E-05	0.000109826	9.50069E-05	0.000113915	0.00012165	3.1617E-05	0.000109826	8.6413E-05	**8551**
8552	0.000107864	0.000115503	3.18568E-05	0.000110378	9.47786E-05	0.000113589	0.000121203	3.25857E-05	0.000110378	8.61272E-05	**8552**
8553	0.000107524	0.000115057	3.25757E-05	0.00011022	9.56619E-05	0.000113251	0.000120784	3.31087E-05	0.00011022	8.70145E-05	**8553**
8554	0.000105741	0.000113038	3.31397E-05	0.000108118	9.60519E-05	0.000111161	0.000118479	3.33098E-05	0.000108118	8.74046E-05	**8554**
8555	0.00010404	0.00011113	3.35E-05	0.000105901	9.65145E-05	0.000109086	0.000116206	3.3336E-05	0.000105901	8.78739E-05	**8555**
8556	0.000102562	0.000109588	3.26573E-05	0.00010439	8.94E-05	0.000107562	0.000114609	3.25961E-05	0.00010439	8.20201E-05	**8556**
8557	0.000101549	0.000108509	3.23048E-05	0.000102913	8.92177E-05	0.000106302	0.000113269	3.21744E-05	0.000102913	8.18375E-05	**8557**
8558	0.000100494	0.000107451	3.12828E-05	0.000101989	8.82371E-05	0.000105318	0.000112268	3.13693E-05	0.000101989	8.08368E-05	**8558**
8559	0.000101869	0.000108964	3.12835E-05	0.000103557	9.36803E-05	0.000106871	0.000113953	3.15198E-05	0.000103557	8.49825E-05	**8559**
8560	0.000110749	0.000118514	3.34886E-05	0.000112457	9.13065E-05	0.000116171	0.000123907	3.38678E-05	0.000112457	8.25466E-05	**8560**
8561	0.000124039	0.000132835	3.65281E-05	0.000124686	8.90876E-05	0.00012962	0.000138325	3.70018E-05	0.000124686	8.02685E-05	**8561**
8562	0.000136856	0.00014634	4.25006E-05	0.00013404	8.72716E-05	0.000141246	0.000150594	4.17949E-05	0.00013404	7.84069E-05	**8562**
8563	0.000143944	0.000153346	5.04027E-05	0.000136872	7.16621E-05	0.000146251	0.000155546	4.73599E-05	0.000136872	6.52972E-05	**8563**
8564	0.000142012	0.000150912	5.34605E-05	0.000133259	5.86219E-05	0.000143187	0.00015203	4.91123E-05	0.000133259	5.48525E-05	**8564**
8565	0.000138554	0.000147212	5.242E-05	0.000127373	5.01324E-05	0.000138487	0.000147006	4.78572E-05	0.000127373	4.76018E-05	**8565**
8566	0.000130569	0.000138898	4.77079E-05	0.000119326	4.39717E-05	0.000130322	0.000138437	4.39805E-05	0.000119326	4.27587E-05	**8566**
8567	0.000116278	0.000123873	4.07081E-05	0.000108484	4.27076E-05	0.0001172	0.000124614	3.83179E-05	0.000108484	4.14684E-05	**8567**
8568	0.000105616	0.000112898	3.31668E-05	0.000101362	4.19502E-05	0.000108033	0.000115124	3.25862E-05	0.000101362	4.0696E-05	**8568**
8569	9.1826E-05	9.84966E-05	2.54592E-05	9.13286E-05	4.2117E-05	9.56408E-05	0.000102139	2.65081E-05	9.13286E-05	4.08852E-05	**8569**
8570	8.84425E-05	9.50785E-05	2.24193E-05	8.9377E-05	4.25348E-05	9.29225E-05	9.93748E-05	2.42758E-05	8.9377E-05	4.1322E-05	**8570**
8571	8.6051E-05	9.25805E-05	2.10873E-05	8.79244E-05	4.35632E-05	9.09026E-05	9.72591E-05	2.32755E-05	8.79244E-05	4.23894E-05	**8571**
8572	8.76917E-05	9.43717E-05	2.12312E-05	9.03686E-05	4.54031E-05	9.30028E-05	9.95206E-05	2.36592E-05	9.03686E-05	4.42847E-05	**8572**
8573	9.39284E-05	0.000101022	2.33535E-05	9.68045E-05	4.7832E-05	9.95724E-05	0.000106511	2.57555E-05	9.68045E-05	4.67707E-05	**8573**
8574	0.000103956	0.000111718	2.67276E-05	0.000105123	4.84894E-05	0.000109223	0.000116787	2.8742E-05	0.000105123	4.73981E-05	**8574**
8575	0.000108616	0.000116473	3.04473E-05	0.000109826	9.50069E-05	0.000113915	0.00012165	3.1617E-05	0.000109826	8.6413E-05	**8575**
8576	0.000107864	0.000115503	3.18568E-05	0.000110378	9.47786E-05	0.000113589	0.000121203	3.25857E-05	0.000110378	8.61272E-05	**8576**
8577	0.000107524	0.000115057	3.25757E-05	0.00011022	9.56619E-05	0.000113251	0.000120784	3.31087E-05	0.00011022	8.70145E-05	**8577**
8578	0.000105741	0.000113038	3.31397E-05	0.000108118	9.60519E-05	0.000111161	0.000118479	3.33098E-05	0.000108118	8.74046E-05	**8578**
8579	0.00010404	0.00011113	3.35E-05	0.000105901	9.65145E-05	0.000109086	0.000116206	3.3336E-05	0.000105901	8.78739E-05	**8579**

8580	0.000102562	0.000109588	3.26573E-05	0.00010439	8.94E-05	0.000107562	0.000114609	3.25961E-05	0.00010439	8.20201E-05	**8580**
8581	0.000101549	0.000108509	3.23048E-05	0.000102913	8.92177E-05	0.000106302	0.000113269	3.21744E-05	0.000102913	8.18375E-05	**8581**
8582	0.000100494	0.000107451	3.12828E-05	0.000101989	8.82371E-05	0.000105318	0.000112268	3.13693E-05	0.000101989	8.08368E-05	**8582**
8583	0.000101869	0.000108964	3.12835E-05	0.000103557	9.36803E-05	0.000106871	0.000113953	3.15198E-05	0.000103557	8.49825E-05	**8583**
8584	0.000110749	0.000118514	3.34886E-05	0.000112457	9.13065E-05	0.000116171	0.000123907	3.38678E-05	0.000112457	8.25466E-05	**8584**
8585	0.000124039	0.000132835	3.65281E-05	0.000124686	8.90876E-05	0.00012962	0.000138325	3.70018E-05	0.000124686	8.02685E-05	**8585**
8586	0.000136856	0.00014634	4.25006E-05	0.00013404	8.72716E-05	0.000141246	0.000150594	4.17949E-05	0.00013404	7.84069E-05	**8586**
8587	0.000143944	0.000153346	5.04027E-05	0.000136872	7.16621E-05	0.000146251	0.000155546	4.73599E-05	0.000136872	6.52972E-05	**8587**
8588	0.000142012	0.000150912	5.34605E-05	0.000133259	5.86219E-05	0.000143187	0.00015203	4.91123E-05	0.000133259	5.48525E-05	**8588**
8589	0.000138554	0.000147212	5.242E-05	0.000127373	5.01324E-05	0.000138487	0.000147006	4.78572E-05	0.000127373	4.76018E-05	**8589**
8590	0.000130569	0.000138898	4.77079E-05	0.000119326	4.39717E-05	0.000130322	0.000138437	4.39805E-05	0.000119326	4.27587E-05	**8590**
8591	0.000116278	0.000123873	4.07081E-05	0.000108484	4.27076E-05	0.0001172	0.000124614	3.83179E-05	0.000108484	4.14684E-05	**8591**
8592	0.000105616	0.000112898	3.31668E-05	0.000101362	4.19502E-05	0.000108033	0.000115124	3.25862E-05	0.000101362	4.0696E-05	**8592**
8593	9.16272E-05	9.82821E-05	2.54162E-05	9.10883E-05	4.20382E-05	9.54135E-05	0.000101895	2.64529E-05	9.10883E-05	4.08056E-05	**8593**
8594	8.71816E-05	9.37185E-05	2.21454E-05	8.78474E-05	4.25127E-05	9.14789E-05	9.78286E-05	2.39241E-05	8.78474E-05	4.13004E-05	**8594**
8595	8.48114E-05	9.12434E-05	2.08184E-05	8.6423E-05	4.35787E-05	8.94845E-05	9.57401E-05	2.29304E-05	8.6423E-05	4.24063E-05	**8595**
8596	8.6494E-05	9.30792E-05	2.09768E-05	8.8953E-05	4.53627E-05	9.1648E-05	9.80688E-05	2.33359E-05	8.8953E-05	4.42437E-05	**8596**
8597	9.27428E-05	9.9742E-05	2.31065E-05	9.54344E-05	4.77512E-05	9.82448E-05	0.000105088	2.54443E-05	9.54344E-05	4.66883E-05	**8597**
8598	0.000102792	0.000110462	2.64835E-05	0.000103767	4.83377E-05	0.000107915	0.000115386	2.84335E-05	0.000103767	4.72424E-05	**8598**
8599	0.000108865	0.000116767	3.02468E-05	0.000108582	9.48375E-05	0.000113522	0.000121246	3.13516E-05	0.000108582	8.62391E-05	**8599**
8600	0.000106344	0.000113862	3.15483E-05	0.000108675	9.4565E-05	0.000111911	0.000119403	3.22022E-05	0.000108675	8.59073E-05	**8600**
8601	0.000105572	0.000112948	3.21817E-05	0.000108047	9.53993E-05	0.000111102	0.000118478	3.26201E-05	0.000108047	8.67437E-05	**8601**
8602	0.000103235	0.00011033	3.26368E-05	0.000105346	9.58133E-05	0.000108409	0.000115527	3.2688E-05	0.000105346	8.71588E-05	**8602**
8603	0.000101234	0.000108099	3.29363E-05	0.000102794	9.63513E-05	0.000106003	0.000112899	3.26386E-05	0.000102794	8.7706E-05	**8603**
8604	9.96568E-05	0.00010645	3.20706E-05	0.000101153	8.92279E-05	0.000104362	0.000111176	3.18683E-05	0.000101153	8.18433E-05	**8604**
8605	9.86174E-05	0.000105343	3.17068E-05	9.96085E-05	8.90084E-05	0.000103055	0.000109788	3.14288E-05	9.96085E-05	8.16221E-05	**8605**
8606	9.7705E-05	0.000104437	3.07243E-05	9.89121E-05	8.80472E-05	0.000102259	0.000108987	3.06793E-05	9.89121E-05	8.06412E-05	**8606**
8607	9.9349E-05	0.000106241	3.07749E-05	0.000100752	9.35168E-05	0.000104096	0.000110977	3.08891E-05	0.000100752	8.48144E-05	**8607**
8608	0.000108589	0.000116183	3.30413E-05	0.000109979	9.12E-05	0.000113761	0.000121323	3.3306E-05	0.000109979	8.24375E-05	**8608**
8609	0.000122079	0.000130719	3.6111E-05	0.000122364	8.89423E-05	0.0001274	0.000135947	3.64713E-05	0.000122364	8.01193E-05	**8609**
8610	0.00013504	0.00014438	4.21189E-05	0.00013192	8.71111E-05	0.000139203	0.000148404	4.13121E-05	0.00013192	7.82419E-05	**8610**
8611	0.000142225	0.000151492	5.00317E-05	0.000134802	7.14301E-05	0.000144289	0.000153445	4.68848E-05	0.000134802	6.50589E-05	**8611**
8612	0.000140551	0.000149337	5.31324E-05	0.000131417	5.84458E-05	0.000141484	0.000150206	4.86848E-05	0.000131417	5.4672E-05	**8612**
8613	0.000135828	0.000144245	5.20851E-05	0.00012563	5.00484E-05	0.000136052	0.000144381	4.74368E-05	0.00012563	4.75169E-05	**8613**
8614	0.000129337	0.000137569	4.74355E-05	0.000117801	4.3958E-05	0.000128897	0.000136912	4.36281E-05	0.000117801	4.27461E-05	**8614**
8615	0.000115215	0.000122726	4.04844E-05	0.000107241	4.27199E-05	0.000116003	0.000123332	3.80349E-05	0.000107241	4.14827E-05	**8615**
8616	0.000104985	0.000112216	3.30405E-05	0.000100666	4.20972E-05	0.00010734	0.000114381	3.24301E-05	0.000100666	4.08485E-05	**8616**
8617	9.16272E-05	9.82821E-05	2.54162E-05	9.10883E-05	4.20382E-05	9.54135E-05	0.000101895	2.64529E-05	9.10883E-05	4.08056E-05	**8617**
8618	8.71816E-05	9.37185E-05	2.21454E-05	8.78474E-05	4.25127E-05	9.14789E-05	9.78286E-05	2.39241E-05	8.78474E-05	4.13004E-05	**8618**
8619	8.48114E-05	9.12434E-05	2.08184E-05	8.6423E-05	4.35787E-05	8.94845E-05	9.57401E-05	2.29304E-05	8.6423E-05	4.24063E-05	**8619**
8620	8.6494E-05	9.30792E-05	2.09768E-05	8.8953E-05	4.53627E-05	9.1648E-05	9.80688E-05	2.33359E-05	8.8953E-05	4.42437E-05	**8620**
8621	9.27428E-05	9.9742E-05	2.31065E-05	9.54344E-05	4.77512E-05	9.82448E-05	0.000105088	2.54443E-05	9.54344E-05	4.66883E-05	**8621**
8622	0.000102792	0.000110462	2.64835E-05	0.000103767	4.83377E-05	0.000107915	0.000115386	2.84335E-05	0.000103767	4.72424E-05	**8622**
8623	0.000108865	0.000116767	3.02468E-05	0.000108582	9.48375E-05	0.000113522	0.000121246	3.13516E-05	0.000108582	8.62391E-05	**8623**
8624	0.000106344	0.000113862	3.15483E-05	0.000108675	9.4565E-05	0.000111911	0.000119403	3.22022E-05	0.000108675	8.59073E-05	**8624**
8625	0.000105572	0.000112948	3.21817E-05	0.000108047	9.53993E-05	0.000111102	0.000118478	3.26201E-05	0.000108047	8.67437E-05	**8625**
8626	0.000103235	0.00011033	3.26368E-05	0.000105346	9.58133E-05	0.000108409	0.000115527	3.2688E-05	0.000105346	8.71588E-05	**8626**
8627	0.000101234	0.000108099	3.29363E-05	0.000102794	9.63513E-05	0.000106003	0.000112899	3.26386E-05	0.000102794	8.7706E-05	**8627**
8628	9.96568E-05	0.00010645	3.20706E-05	0.000101153	8.92279E-05	0.000104362	0.000111176	3.18683E-05	0.000101153	8.18433E-05	**8628**
8629	9.86174E-05	0.000105343	3.17068E-05	9.96085E-05	8.90084E-05	0.000103055	0.000109788	3.14288E-05	9.96085E-05	8.16221E-05	**8629**
8630	9.7705E-05	0.000104437	3.07243E-05	9.89121E-05	8.80472E-05	0.000102259	0.000108987	3.06793E-05	9.89121E-05	8.06412E-05	**8630**
8631	9.9349E-05	0.000106241	3.07749E-05	0.000100752	9.35168E-05	0.000104096	0.000110977	3.08891E-05	0.000100752	8.48144E-05	**8631**
8632	0.000108589	0.000116183	3.30413E-05	0.000109979	9.12E-05	0.000113761	0.000121323	3.3306E-05	0.000109979	8.24375E-05	**8632**
8633	0.000122079	0.000130719	3.6111E-05	0.000122364	8.89423E-05	0.0001274	0.000135947	3.64713E-05	0.000122364	8.01193E-05	**8633**
8634	0.00013504	0.00014438	4.21189E-05	0.00013192	8.71111E-05	0.000139203	0.000148404	4.13121E-05	0.00013192	7.82419E-05	**8634**
8635	0.000142225	0.000151492	5.00317E-05	0.000134802	7.14301E-05	0.000144289	0.000153445	4.68848E-05	0.000134802	6.50589E-05	**8635**
8636	0.000140551	0.000149337	5.31324E-05	0.000131417	5.84458E-05	0.000141484	0.000150206	4.86848E-05	0.000131417	5.4672E-05	**8636**
8637	0.000135828	0.000144245	5.20851E-05	0.00012563	5.00484E-05	0.000136052	0.000144381	4.74368E-05	0.00012563	4.75169E-05	**8637**
8638	0.000129337	0.000137569	4.74355E-05	0.000117801	4.3958E-05	0.000128897	0.000136912	4.36281E-05	0.000117801	4.27461E-05	**8638**
8639	0.000115215	0.000122726	4.04844E-05	0.000107241	4.27199E-05	0.000116003	0.000123332	3.80349E-05	0.000107241	4.14827E-05	**8639**
8640	0.000104985	0.000112216	3.30405E-05	0.000100666	4.20972E-05	0.00010734	0.000114381	3.24301E-05	0.000100666	4.08485E-05	**8640**
8641	9.1826E-05	9.84966E-05	2.54592E-05	9.13286E-05	4.2117E-05	9.56408E-05	0.000102139	2.65081E-05	9.13286E-05	4.08852E-05	**8641**
8642	8.84425E-05	9.50785E-05	2.24193E-05	8.9377E-05	4.25348E-05	9.29225E-05	9.93748E-05	2.42758E-05	8.9377E-05	4.1322E-05	**8642**
8643	8.6051E-05	9.25805E-05	2.10873E-05	8.79244E-05	4.35632E-05	9.09026E-05	9.72591E-05	2.32755E-05	8.79244E-05	4.23894E-05	**8643**
8644	8.76917E-05	9.43717E-05	2.12312E-05	9.03686E-05	4.54031E-05	9.30028E-05	9.95206E-05	2.36592E-05	9.03686E-05	4.42847E-05	**8644**
8645	9.39284E-05	0.000101022	2.33535E-05	9.68045E-05	4.7832E-05	9.95724E-05	0.000106511	2.57555E-05	9.68045E-05	4.67707E-05	**8645**
8646	0.000103956	0.000111718	2.67276E-05	0.000105123	4.84894E-05	0.000109223	0.000116787	2.8742E-05	0.000105123	4.73981E-05	**8646**
8647	0.000108616	0.000116473	3.04473E-05	0.000109826	9.50069E-05	0.000113915	0.00012165	3.1617E-05	0.000109826	8.6413E-05	**8647**
8648	0.000107864	0.000115503	3.18568E-05	0.000110378	9.47786E-05	0.000113589	0.000121203	3.25857E-05	0.000110378	8.61272E-05	**8648**
8649	0.000107524	0.000115057	3.25757E-05	0.00011022	9.56619E-05	0.000113251	0.000120784	3.31087E-05	0.00011022	8.70145E-05	**8649**
8650	0.000105741	0.000113038	3.31397E-05	0.000108118	9.60519E-05	0.000111161	0.000118479	3.33098E-05	0.000108118	8.74046E-05	**8650**
8651	0.00010404	0.00011113	3.35E-05	0.000105901	9.65145E-05	0.000109086	0.000116206	3.3336E-05	0.000105901	8.78739E-05	**8651**
8652	0.000102562	0.000109588	3.26573E-05	0.00010439	8.94E-05	0.000107562	0.000114609	3.25961E-05	0.00010439	8.20201E-05	**8652**
8653	0.000101549	0.000108509	3.23048E-05	0.000102913	8.92177E-05	0.000106302	0.000113269	3.21744E-05	0.000102913	8.18375E-05	**8653**
8654	0.000100494	0.000107451	3.12828E-05	0.000101989	8.82371E-05	0.000105318	0.000112268	3.13693E-05	0.000101989	8.08368E-05	**8654**
8655	0.000101869	0.000108964	3.12835E-05	0.000103557	9.36803E-05	0.000106871	0.000113953	3.15198E-05	0.000103557	8.49825E-05	**8655**

8656	0.000110749	0.000118514	3.34886E-05	0.000112457	9.13065E-05	0.000116171	0.000123907	3.38678E-05	0.000112457	8.25466E-05	**8656**
8657	0.000124039	0.000132835	3.65281E-05	0.000124686	8.90876E-05	0.00012962	0.000138325	3.70018E-05	0.000124686	8.02685E-05	**8657**
8658	0.000136856	0.00014634	4.25006E-05	0.00013404	8.72716E-05	0.000141246	0.000150594	4.17949E-05	0.00013404	7.84069E-05	**8658**
8659	0.000143944	0.000153346	5.04027E-05	0.000136872	7.16621E-05	0.000146251	0.000155546	4.73599E-05	0.000136872	6.52972E-05	**8659**
8660	0.000142012	0.000150912	5.34605E-05	0.000133259	5.86219E-05	0.000143187	0.00015203	4.91123E-05	0.000133259	5.48525E-05	**8660**
8661	0.000138554	0.000147212	5.242E-05	0.000127373	5.01324E-05	0.000138487	0.000147006	4.78572E-05	0.000127373	4.76018E-05	**8661**
8662	0.000130569	0.000138898	4.77079E-05	0.000119326	4.39717E-05	0.000130322	0.000138437	4.39805E-05	0.000119326	4.27587E-05	**8662**
8663	0.000116278	0.000123873	4.07081E-05	0.000108484	4.27076E-05	0.0001172	0.000124614	3.83179E-05	0.000108484	4.14684E-05	**8663**
8664	0.000105616	0.000112898	3.31668E-05	0.000101362	4.19502E-05	0.000108033	0.000115124	3.25862E-05	0.000101362	4.0696E-05	**8664**
8665	9.1826E-05	9.84966E-05	2.54592E-05	9.13286E-05	4.2117E-05	9.56408E-05	0.000102139	2.65081E-05	9.13286E-05	4.08852E-05	**8665**
8666	8.84425E-05	9.50785E-05	2.24193E-05	8.9377E-05	4.25348E-05	9.29225E-05	9.93748E-05	2.42758E-05	8.9377E-05	4.1322E-05	**8666**
8667	8.6051E-05	9.25805E-05	2.10873E-05	8.79244E-05	4.35632E-05	9.09026E-05	9.72591E-05	2.32755E-05	8.79244E-05	4.23894E-05	**8667**
8668	8.76917E-05	9.43717E-05	2.12312E-05	9.03686E-05	4.54031E-05	9.30028E-05	9.95206E-05	2.36592E-05	9.03686E-05	4.42847E-05	**8668**
8669	9.39284E-05	0.000101022	2.33535E-05	9.68045E-05	4.7832E-05	9.95724E-05	0.000106511	2.57555E-05	9.68045E-05	4.67707E-05	**8669**
8670	0.000103956	0.000111718	2.67276E-05	0.000105123	4.84894E-05	0.000109223	0.000116787	2.8742E-05	0.000105123	4.73981E-05	**8670**
8671	0.000108616	0.000116473	3.04473E-05	0.000109826	9.50069E-05	0.000113915	0.00012165	3.1617E-05	0.000109826	8.6413E-05	**8671**
8672	0.000107864	0.000115503	3.18568E-05	0.000110378	9.47786E-05	0.000113589	0.000121203	3.25857E-05	0.000110378	8.61272E-05	**8672**
8673	0.000107524	0.000115057	3.25757E-05	0.00011022	9.56619E-05	0.000113251	0.000120784	3.31087E-05	0.00011022	8.70145E-05	**8673**
8674	0.000105741	0.000113038	3.31397E-05	0.000108118	9.60519E-05	0.000111161	0.000118479	3.33098E-05	0.000108118	8.74046E-05	**8674**
8675	0.00010404	0.00011113	3.35E-05	0.000105901	9.65145E-05	0.000109086	0.000116206	3.3336E-05	0.000105901	8.78739E-05	**8675**
8676	0.000102562	0.000109588	3.26573E-05	0.00010439	8.94E-05	0.000107562	0.000114609	3.25961E-05	0.00010439	8.20201E-05	**8676**
8677	0.000101549	0.000108509	3.23048E-05	0.000102913	8.92177E-05	0.000106302	0.000113269	3.21744E-05	0.000102913	8.18375E-05	**8677**
8678	0.000100494	0.000107451	3.12828E-05	0.000101989	8.82371E-05	0.000105318	0.000112268	3.13693E-05	0.000101989	8.08368E-05	**8678**
8679	0.000101869	0.000108964	3.12835E-05	0.000103557	9.36803E-05	0.000106871	0.000113953	3.15198E-05	0.000103557	8.49825E-05	**8679**
8680	0.000110749	0.000118514	3.34886E-05	0.000112457	9.13065E-05	0.000116171	0.000123907	3.38678E-05	0.000112457	8.25466E-05	**8680**
8681	0.000124039	0.000132835	3.65281E-05	0.000124686	8.90876E-05	0.00012962	0.000138325	3.70018E-05	0.000124686	8.02685E-05	**8681**
8682	0.000136856	0.00014634	4.25006E-05	0.00013404	8.72716E-05	0.000141246	0.000150594	4.17949E-05	0.00013404	7.84069E-05	**8682**
8683	0.000143944	0.000153346	5.04027E-05	0.000136872	7.16621E-05	0.000146251	0.000155546	4.73599E-05	0.000136872	6.52972E-05	**8683**
8684	0.000142012	0.000150912	5.34605E-05	0.000133259	5.86219E-05	0.000143187	0.00015203	4.91123E-05	0.000133259	5.48525E-05	**8684**
8685	0.000138554	0.000147212	5.242E-05	0.000127373	5.01324E-05	0.000138487	0.000147006	4.78572E-05	0.000127373	4.76018E-05	**8685**
8686	0.000130569	0.000138898	4.77079E-05	0.000119326	4.39717E-05	0.000130322	0.000138437	4.39805E-05	0.000119326	4.27587E-05	**8686**
8687	0.000116278	0.000123873	4.07081E-05	0.000108484	4.27076E-05	0.0001172	0.000124614	3.83179E-05	0.000108484	4.14684E-05	**8687**
8688	0.000105616	0.000112898	3.31668E-05	0.000101362	4.19502E-05	0.000108033	0.000115124	3.25862E-05	0.000101362	4.0696E-05	**8688**
8689	9.1826E-05	9.84966E-05	2.54592E-05	9.13286E-05	4.2117E-05	9.56408E-05	0.000102139	2.65081E-05	9.13286E-05	4.08852E-05	**8689**
8690	8.84425E-05	9.50785E-05	2.24193E-05	8.9377E-05	4.25348E-05	9.29225E-05	9.93748E-05	2.42758E-05	8.9377E-05	4.1322E-05	**8690**
8691	8.6051E-05	9.25805E-05	2.10873E-05	8.79244E-05	4.35632E-05	9.09026E-05	9.72591E-05	2.32755E-05	8.79244E-05	4.23894E-05	**8691**
8692	8.76917E-05	9.43717E-05	2.12312E-05	9.03686E-05	4.54031E-05	9.30028E-05	9.95206E-05	2.36592E-05	9.03686E-05	4.42847E-05	**8692**
8693	9.39284E-05	0.000101022	2.33535E-05	9.68045E-05	4.7832E-05	9.95724E-05	0.000106511	2.57555E-05	9.68045E-05	4.67707E-05	**8693**
8694	0.000103956	0.000111718	2.67276E-05	0.000105123	4.84894E-05	0.000109223	0.000116787	2.8742E-05	0.000105123	4.73981E-05	**8694**
8695	0.000108616	0.000116473	3.04473E-05	0.000109826	9.50069E-05	0.000113915	0.00012165	3.1617E-05	0.000109826	8.6413E-05	**8695**
8696	0.000107864	0.000115503	3.18568E-05	0.000110378	9.47786E-05	0.000113589	0.000121203	3.25857E-05	0.000110378	8.61272E-05	**8696**
8697	0.000107524	0.000115057	3.25757E-05	0.00011022	9.56619E-05	0.000113251	0.000120784	3.31087E-05	0.00011022	8.70145E-05	**8697**
8698	0.000105741	0.000113038	3.31397E-05	0.000108118	9.60519E-05	0.000111161	0.000118479	3.33098E-05	0.000108118	8.74046E-05	**8698**
8699	0.00010404	0.00011113	3.35E-05	0.000105901	9.65145E-05	0.000109086	0.000116206	3.3336E-05	0.000105901	8.78739E-05	**8699**
8700	0.000102562	0.000109588	3.26573E-05	0.00010439	8.94E-05	0.000107562	0.000114609	3.25961E-05	0.00010439	8.20201E-05	**8700**
8701	0.000101549	0.000108509	3.23048E-05	0.000102913	8.92177E-05	0.000106302	0.000113269	3.21744E-05	0.000102913	8.18375E-05	**8701**
8702	0.000100494	0.000107451	3.12828E-05	0.000101989	8.82371E-05	0.000105318	0.000112268	3.13693E-05	0.000101989	8.08368E-05	**8702**
8703	0.000101869	0.000108964	3.12835E-05	0.000103557	9.36803E-05	0.000106871	0.000113953	3.15198E-05	0.000103557	8.49825E-05	**8703**
8704	0.000110749	0.000118514	3.34886E-05	0.000112457	9.13065E-05	0.000116171	0.000123907	3.38678E-05	0.000112457	8.25466E-05	**8704**
8705	0.000124039	0.000132835	3.65281E-05	0.000124686	8.90876E-05	0.00012962	0.000138325	3.70018E-05	0.000124686	8.02685E-05	**8705**
8706	0.000136856	0.00014634	4.25006E-05	0.00013404	8.72716E-05	0.000141246	0.000150594	4.17949E-05	0.00013404	7.84069E-05	**8706**
8707	0.000143944	0.000153346	5.04027E-05	0.000136872	7.16621E-05	0.000146251	0.000155546	4.73599E-05	0.000136872	6.52972E-05	**8707**
8708	0.000142012	0.000150912	5.34605E-05	0.000133259	5.86219E-05	0.000143187	0.00015203	4.91123E-05	0.000133259	5.48525E-05	**8708**
8709	0.000138554	0.000147212	5.242E-05	0.000127373	5.01324E-05	0.000138487	0.000147006	4.78572E-05	0.000127373	4.76018E-05	**8709**
8710	0.000130569	0.000138898	4.77079E-05	0.000119326	4.39717E-05	0.000130322	0.000138437	4.39805E-05	0.000119326	4.27587E-05	**8710**
8711	0.000116278	0.000123873	4.07081E-05	0.000108484	4.27076E-05	0.0001172	0.000124614	3.83179E-05	0.000108484	4.14684E-05	**8711**
8712	0.000105616	0.000112898	3.31668E-05	0.000101362	4.19502E-05	0.000108033	0.000115124	3.25862E-05	0.000101362	4.0696E-05	**8712**
8713	9.1826E-05	9.84966E-05	2.54592E-05	9.13286E-05	4.2117E-05	9.56408E-05	0.000102139	2.65081E-05	9.13286E-05	4.08852E-05	**8713**
8714	8.84425E-05	9.50785E-05	2.24193E-05	8.9377E-05	4.25348E-05	9.29225E-05	9.93748E-05	2.42758E-05	8.9377E-05	4.1322E-05	**8714**
8715	8.6051E-05	9.25805E-05	2.10873E-05	8.79244E-05	4.35632E-05	9.09026E-05	9.72591E-05	2.32755E-05	8.79244E-05	4.23894E-05	**8715**
8716	8.76917E-05	9.43717E-05	2.12312E-05	9.03686E-05	4.54031E-05	9.30028E-05	9.95206E-05	2.36592E-05	9.03686E-05	4.42847E-05	**8716**
8717	9.39284E-05	0.000101022	2.33535E-05	9.68045E-05	4.7832E-05	9.95724E-05	0.000106511	2.57555E-05	9.68045E-05	4.67707E-05	**8717**
8718	0.000103956	0.000111718	2.67276E-05	0.000105123	4.84894E-05	0.000109223	0.000116787	2.8742E-05	0.000105123	4.73981E-05	**8718**
8719	0.000108616	0.000116473	3.04473E-05	0.000109826	9.50069E-05	0.000113915	0.00012165	3.1617E-05	0.000109826	8.6413E-05	**8719**
8720	0.000107864	0.000115503	3.18568E-05	0.000110378	9.47786E-05	0.000113589	0.000121203	3.25857E-05	0.000110378	8.61272E-05	**8720**
8721	0.000107524	0.000115057	3.25757E-05	0.00011022	9.56619E-05	0.000113251	0.000120784	3.31087E-05	0.00011022	8.70145E-05	**8721**
8722	0.000105741	0.000113038	3.31397E-05	0.000108118	9.60519E-05	0.000111161	0.000118479	3.33098E-05	0.000108118	8.74046E-05	**8722**
8723	0.00010404	0.00011113	3.35E-05	0.000105901	9.65145E-05	0.000109086	0.000116206	3.3336E-05	0.000105901	8.78739E-05	**8723**
8724	0.000102562	0.000109588	3.26573E-05	0.00010439	8.94E-05	0.000107562	0.000114609	3.25961E-05	0.00010439	8.20201E-05	**8724**
8725	0.000101549	0.000108509	3.23048E-05	0.000102913	8.92177E-05	0.000106302	0.000113269	3.21744E-05	0.000102913	8.18375E-05	**8725**
8726	0.000100494	0.000107451	3.12828E-05	0.000101989	8.82371E-05	0.000105318	0.000112268	3.13693E-05	0.000101989	8.08368E-05	**8726**
8727	0.000101869	0.000108964	3.12835E-05	0.000103557	9.36803E-05	0.000106871	0.000113953	3.15198E-05	0.000103557	8.49825E-05	**8727**
8728	0.000110749	0.000118514	3.34886E-05	0.000112457	9.13065E-05	0.000116171	0.000123907	3.38678E-05	0.000112457	8.25466E-05	**8728**
8729	0.000124039	0.000132835	3.65281E-05	0.000124686	8.90876E-05	0.00012962	0.000138325	3.70018E-05	0.000124686	8.02685E-05	**8729**
8730	0.000136856	0.00014634	4.25006E-05	0.00013404	8.72716E-05	0.000141246	0.000150594	4.17949E-05	0.00013404	7.84069E-05	**8730**
8731	0.000143944	0.000153346	5.04027E-05	0.000136872	7.16621E-05	0.000146251	0.000155546	4.73599E-05	0.000136872	6.52972E-05	**8731**

8732	0.000142012	0.000150912	5.34605E-05	0.000133259	5.86219E-05	0.000143187	0.00015203	4.91123E-05	0.000133259	5.48525E-05	**8732**
8733	0.000138554	0.000147212	5.242E-05	0.000127373	5.01324E-05	0.000138487	0.000147006	4.78572E-05	0.000127373	4.76018E-05	**8733**
8734	0.000130569	0.000138898	4.77079E-05	0.000119326	4.39717E-05	0.000130322	0.000138437	4.39805E-05	0.000119326	4.27587E-05	**8734**
8735	0.000116278	0.000123873	4.07081E-05	0.000108484	4.27076E-05	0.0001172	0.000124614	3.83179E-05	0.000108484	4.14684E-05	**8735**
8736	0.000105616	0.000112898	3.31668E-05	0.000101362	4.19502E-05	0.000108033	0.000115124	3.25862E-05	0.000101362	4.0696E-05	**8736**
8737	9.1826E-05	9.84966E-05	2.54592E-05	9.13286E-05	4.2117E-05	9.56408E-05	0.000102139	2.65081E-05	9.13286E-05	4.08852E-05	**8737**
8738	8.84425E-05	9.50785E-05	2.24193E-05	8.9377E-05	4.25348E-05	9.29225E-05	9.93748E-05	2.42758E-05	8.9377E-05	4.1322E-05	**8738**
8739	8.6051E-05	9.25805E-05	2.10873E-05	8.79244E-05	4.35632E-05	9.09026E-05	9.72591E-05	2.32755E-05	8.79244E-05	4.23894E-05	**8739**
8740	8.76917E-05	9.43717E-05	2.12312E-05	9.03686E-05	4.54031E-05	9.30028E-05	9.95206E-05	2.36592E-05	9.03686E-05	4.42847E-05	**8740**
8741	9.39284E-05	0.000101022	2.33535E-05	9.68045E-05	4.7832E-05	9.95724E-05	0.000106511	2.57555E-05	9.68045E-05	4.67707E-05	**8741**
8742	0.000103956	0.000111718	2.67276E-05	0.000105123	4.84894E-05	0.000109223	0.000116787	2.8742E-05	0.000105123	4.73981E-05	**8742**
8743	0.000108616	0.000116473	3.04473E-05	0.000109826	9.50069E-05	0.000113915	0.00012165	3.1617E-05	0.000109826	8.6413E-05	**8743**
8744	0.000107864	0.000115503	3.18568E-05	0.000110378	9.47786E-05	0.000113589	0.000121203	3.25857E-05	0.000110378	8.61272E-05	**8744**
8745	0.000107524	0.000115057	3.25757E-05	0.00011022	9.56619E-05	0.000113251	0.000120784	3.31087E-05	0.00011022	8.70145E-05	**8745**
8746	0.000105741	0.000113038	3.31397E-05	0.000108118	9.60519E-05	0.000111161	0.000118479	3.33098E-05	0.000108118	8.74046E-05	**8746**
8747	0.00010404	0.00011113	3.35E-05	0.000105901	9.65145E-05	0.000109086	0.000116206	3.3336E-05	0.000105901	8.78739E-05	**8747**
8748	0.000102562	0.000109588	3.26573E-05	0.00010439	8.94E-05	0.000107562	0.000114609	3.25961E-05	0.00010439	8.20201E-05	**8748**
8749	0.000101549	0.000108509	3.23048E-05	0.000102913	8.92177E-05	0.000106302	0.000113269	3.21744E-05	0.000102913	8.18375E-05	**8749**
8750	0.000100494	0.000107451	3.12828E-05	0.000101989	8.82371E-05	0.000105318	0.000112268	3.13693E-05	0.000101989	8.08368E-05	**8750**
8751	0.000101869	0.000108964	3.12835E-05	0.000103557	9.36803E-05	0.000106871	0.000113953	3.15198E-05	0.000103557	8.49825E-05	**8751**
8752	0.000110749	0.000118514	3.34886E-05	0.000112457	9.13065E-05	0.000116171	0.000123907	3.38678E-05	0.000112457	8.25466E-05	**8752**
8753	0.000124039	0.000132835	3.65281E-05	0.000124686	8.90876E-05	0.00012962	0.000138325	3.70018E-05	0.000124686	8.02685E-05	**8753**
8754	0.000136856	0.00014634	4.25006E-05	0.00013404	8.72716E-05	0.000141246	0.000150594	4.17949E-05	0.00013404	7.84069E-05	**8754**
8755	0.000143944	0.000153346	5.04027E-05	0.000136872	7.16621E-05	0.000146251	0.000155546	4.73599E-05	0.000136872	6.52972E-05	**8755**
8756	0.000142012	0.000150912	5.34605E-05	0.000133259	5.86219E-05	0.000143187	0.00015203	4.91123E-05	0.000133259	5.48525E-05	**8756**
8757	0.000138554	0.000147212	5.242E-05	0.000127373	5.01324E-05	0.000138487	0.000147006	4.78572E-05	0.000127373	4.76018E-05	**8757**
8758	0.000130569	0.000138898	4.77079E-05	0.000119326	4.39717E-05	0.000130322	0.000138437	4.39805E-05	0.000119326	4.27587E-05	**8758**
8759	0.000116278	0.000123873	4.07081E-05	0.000108484	4.27076E-05	0.0001172	0.000124614	3.83179E-05	0.000108484	4.14684E-05	**8759**
8760	0.000105616	0.000112898	3.31668E-05	0.000101362	4.19502E-05	0.000108033	0.000115124	3.25862E-05	0.000101362	4.0696E-05	**8760**
8761	9.1826E-05	9.84966E-05	2.54592E-05	9.13286E-05	4.2117E-05	9.56408E-05	0.000102139	2.65081E-05	9.13286E-05	4.08852E-05	**8761**
8762	8.84425E-05	9.50785E-05	2.24193E-05	8.9377E-05	4.25348E-05	9.29225E-05	9.93748E-05	2.42758E-05	8.9377E-05	4.1322E-05	**8762**
8763	8.6051E-05	9.25805E-05	2.10873E-05	8.79244E-05	4.35632E-05	9.09026E-05	9.72591E-05	2.32755E-05	8.79244E-05	4.23894E-05	**8763**
8764	8.76917E-05	9.43717E-05	2.12312E-05	9.03686E-05	4.54031E-05	9.30028E-05	9.95206E-05	2.36592E-05	9.03686E-05	4.42847E-05	**8764**
8765	9.39284E-05	0.000101022	2.33535E-05	9.68045E-05	4.7832E-05	9.95724E-05	0.000106511	2.57555E-05	9.68045E-05	4.67707E-05	**8765**
8766	0.000103956	0.000111718	2.67276E-05	0.000105123	4.84894E-05	0.000109223	0.000116787	2.8742E-05	0.000105123	4.73981E-05	**8766**
8767	0.000108616	0.000116473	3.04473E-05	0.000109826	9.50069E-05	0.000113915	0.00012165	3.1617E-05	0.000109826	8.6413E-05	**8767**
8768	0.000107864	0.000115503	3.18568E-05	0.000110378	9.47786E-05	0.000113589	0.000121203	3.25857E-05	0.000110378	8.61272E-05	**8768**
8769	0.000107524	0.000115057	3.25757E-05	0.00011022	9.56619E-05	0.000113251	0.000120784	3.31087E-05	0.00011022	8.70145E-05	**8769**
8770	0.000105741	0.000113038	3.31397E-05	0.000108118	9.60519E-05	0.000111161	0.000118479	3.33098E-05	0.000108118	8.74046E-05	**8770**
8771	0.00010404	0.00011113	3.35E-05	0.000105901	9.65145E-05	0.000109086	0.000116206	3.3336E-05	0.000105901	8.78739E-05	**8771**
8772	0.000102562	0.000109588	3.26573E-05	0.00010439	8.94E-05	0.000107562	0.000114609	3.25961E-05	0.00010439	8.20201E-05	**8772**
8773	0.000101549	0.000108509	3.23048E-05	0.000102913	8.92177E-05	0.000106302	0.000113269	3.21744E-05	0.000102913	8.18375E-05	**8773**
8774	0.000100494	0.000107451	3.12828E-05	0.000101989	8.82371E-05	0.000105318	0.000112268	3.13693E-05	0.000101989	8.08368E-05	**8774**
8775	0.000101869	0.000108964	3.12835E-05	0.000103557	9.36803E-05	0.000106871	0.000113953	3.15198E-05	0.000103557	8.49825E-05	**8775**
8776	0.000110749	0.000118514	3.34886E-05	0.000112457	9.13065E-05	0.000116171	0.000123907	3.38678E-05	0.000112457	8.25466E-05	**8776**
8777	0.000124039	0.000132835	3.65281E-05	0.000124686	8.90876E-05	0.00012962	0.000138325	3.70018E-05	0.000124686	8.02685E-05	**8777**
8778	0.000136856	0.00014634	4.25006E-05	0.00013404	8.72716E-05	0.000141246	0.000150594	4.17949E-05	0.00013404	7.84069E-05	**8778**
8779	0.000143944	0.000153346	5.04027E-05	0.000136872	7.16621E-05	0.000146251	0.000155546	4.73599E-05	0.000136872	6.52972E-05	**8779**
8780	0.000142012	0.000150912	5.34605E-05	0.000133259	5.86219E-05	0.000143187	0.00015203	4.91123E-05	0.000133259	5.48525E-05	**8780**
8781	0.000138554	0.000147212	5.242E-05	0.000127373	5.01324E-05	0.000138487	0.000147006	4.78572E-05	0.000127373	4.76018E-05	**8781**
8782	0.000130569	0.000138898	4.77079E-05	0.000119326	4.39717E-05	0.000130322	0.000138437	4.39805E-05	0.000119326	4.27587E-05	**8782**
8783	0.000116278	0.000123873	4.07081E-05	0.000108484	4.27076E-05	0.0001172	0.000124614	3.83179E-05	0.000108484	4.14684E-05	**8783**
8784	0.000105616	0.000112898	3.31668E-05	0.000101362	4.19502E-05	0.000108033	0.000115124	3.25862E-05	0.000101362	4.0696E-05	**8784**

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Alternative Avoided Cost									
RAP					MAP				
Residential	Residential	Residential	IQW	C&I	Residential	Residential	Residential	IQW	C&I
Energy Savings (MWh)	Tier 1	Tier 2	Energy Savings (MWh)	Energy Savings (MWh)	Energy Savings (MWh)	Tier 1	Tier 2	Energy Savings (MWh)	Energy Savings (MWh)
9.57944E-05	0.000101388	2.49987E-05	9.39419E-05	4.44345E-05	9.91926E-05	0.000104803	2.75335E-05	9.39419E-05	4.32025E-05
9.3795E-05	9.9324E-05	2.38173E-05	9.35258E-05	4.49664E-05	9.79755E-05	0.000103561	2.66406E-05	9.35258E-05	4.37531E-05
9.27887E-05	9.82734E-05	2.33715E-05	9.35001E-05	4.50936E-05	9.74227E-05	0.000102987	2.63548E-05	9.35001E-05	4.38867E-05
9.47027E-05	0.000100298	2.38902E-05	9.63892E-05	4.65839E-05	9.9881E-05	0.000105581	2.70814E-05	9.63892E-05	4.54184E-05
0.000100038	0.000105923	2.55637E-05	0.000102132	4.89443E-05	0.000105597	0.0001116	2.89219E-05	0.000102132	4.78314E-05
0.000107147	0.000113423	2.77125E-05	0.000108285	4.97922E-05	0.000112516	0.000118895	3.10509E-05	0.000108285	4.8653E-05
0.000112952	0.000119507	2.99935E-05	0.000113205	9.60172E-05	0.000118024	0.000124671	3.31256E-05	0.000113205	8.73656E-05
0.000111193	0.000117555	3.0681E-05	0.000114164	9.57604E-05	0.000117272	0.000123816	3.36932E-05	0.000114164	8.70459E-05
0.000109857	0.000116128	3.04896E-05	0.00011191	9.63593E-05	0.000115412	0.000121841	3.32984E-05	0.00011191	8.76383E-05
0.000107073	0.000113166	2.99634E-05	0.00010782	9.60977E-05	0.000111848	0.000118063	3.24638E-05	0.00010782	8.73576E-05
0.000104477	0.000110409	2.93927E-05	0.000103844	9.56401E-05	0.000108461	0.00011448	3.15873E-05	0.000103844	8.68793E-05
0.000101884	0.000107684	2.84689E-05	0.000100696	8.78842E-05	0.000105535	0.000111407	3.05344E-05	0.000100696	8.03616E-05
9.98356E-05	0.00010552	2.78964E-05	9.83147E-05	8.7461E-05	0.000103244	0.00010899	2.98605E-05	9.83147E-05	7.99285E-05
9.90116E-05	0.000104666	2.74499E-05	9.787E-05	8.65776E-05	0.000102606	0.000108331	2.94827E-05	9.787E-05	7.90295E-05
0.000100619	0.000106373	2.77868E-05	9.98755E-05	9.24412E-05	0.000104489	0.000110326	2.99342E-05	9.98755E-05	8.36118E-05
0.000107569	0.000113731	2.95767E-05	0.00010667	9.08457E-05	0.00011168	0.000117929	3.18691E-05	0.00010667	8.19824E-05
0.000118989	0.000125835	3.234E-05	0.000117265	8.97153E-05	0.000123261	0.000130187	3.47941E-05	0.000117265	8.08282E-05
0.000131607	0.000139133	3.63534E-05	0.000127267	8.88309E-05	0.000135071	0.000142624	3.85963E-05	0.000127267	7.99313E-05
0.000141414	0.000149371	4.07075E-05	0.000133307	7.35526E-05	0.000143201	0.000151096	4.23617E-05	0.000133307	6.71665E-05
0.000142283	0.000150207	4.19925E-05	0.000132388	6.07868E-05	0.000143067	0.000150882	4.32534E-05	0.000132388	5.70098E-05
0.000137684	0.000145341	4.07717E-05	0.000127029	5.2403E-05	0.000137903	0.000145419	4.19113E-05	0.000127029	4.98752E-05
0.000131966	0.0001394	3.78884E-05	0.000119934	4.66541E-05	0.000131524	0.000138751	3.92183E-05	0.000119934	4.54619E-05
0.000120236	0.000127058	3.38828E-05	0.000111322	4.56843E-05	0.00012092	0.000127603	3.55539E-05	0.000111322	4.44774E-05
0.000109949	0.000116281	2.981E-05	0.000104552	4.53682E-05	0.000112095	0.000118368	3.19721E-05	0.000104552	4.41592E-05
9.57944E-05	0.000101388	2.49987E-05	9.39419E-05	4.44345E-05	9.91926E-05	0.000104803	2.75335E-05	9.39419E-05	4.32025E-05
9.3795E-05	9.9324E-05	2.38173E-05	9.35258E-05	4.49664E-05	9.79755E-05	0.000103561	2.66406E-05	9.35258E-05	4.37531E-05
9.27887E-05	9.82734E-05	2.33715E-05	9.35001E-05	4.50936E-05	9.74227E-05	0.000102987	2.63548E-05	9.35001E-05	4.38867E-05
9.47027E-05	0.000100298	2.38902E-05	9.63892E-05	4.65839E-05	9.9881E-05	0.000105581	2.70814E-05	9.63892E-05	4.54184E-05
0.000100038	0.000105923	2.55637E-05	0.000102132	4.89443E-05	0.000105597	0.0001116	2.89219E-05	0.000102132	4.78314E-05
0.000107147	0.000113423	2.77125E-05	0.000108285	4.97922E-05	0.000112516	0.000118895	3.10509E-05	0.000108285	4.8653E-05
0.000112952	0.000119507	2.99935E-05	0.000113205	9.60172E-05	0.000118024	0.000124671	3.31256E-05	0.000113205	8.73656E-05
0.000111193	0.000117555	3.0681E-05	0.000114164	9.57604E-05	0.000117272	0.000123816	3.36932E-05	0.000114164	8.70459E-05
0.000109857	0.000116128	3.04896E-05	0.00011191	9.63593E-05	0.000115412	0.000121841	3.32984E-05	0.00011191	8.76383E-05
0.000107073	0.000113166	2.99634E-05	0.00010782	9.60977E-05	0.000111848	0.000118063	3.24638E-05	0.00010782	8.73576E-05
0.000104477	0.000110409	2.93927E-05	0.000103844	9.56401E-05	0.000108461	0.00011448	3.15873E-05	0.000103844	8.68793E-05
0.000101884	0.000107684	2.84689E-05	0.000100696	8.78842E-05	0.000105535	0.000111407	3.05344E-05	0.000100696	8.03616E-05
9.98356E-05	0.00010552	2.78964E-05	9.83147E-05	8.7461E-05	0.000103244	0.00010899	2.98605E-05	9.83147E-05	7.99285E-05
9.90116E-05	0.000104666	2.74499E-05	9.787E-05	8.65776E-05	0.000102606	0.000108331	2.94827E-05	9.787E-05	7.90295E-05
0.000100619	0.000106373	2.77868E-05	9.98755E-05	9.24412E-05	0.000104489	0.000110326	2.99342E-05	9.98755E-05	8.36118E-05
0.000107569	0.000113731	2.95767E-05	0.00010667	9.08457E-05	0.00011168	0.000117929	3.18691E-05	0.00010667	8.19824E-05
0.000118989	0.000125835	3.234E-05	0.000117265	8.97153E-05	0.000123261	0.000130187	3.47941E-05	0.000117265	8.08282E-05
0.000131607	0.000139133	3.63534E-05	0.000127267	8.88309E-05	0.000135071	0.000142624	3.85963E-05	0.000127267	7.99313E-05
0.000141414	0.000149371	4.07075E-05	0.000133307	7.35526E-05	0.000143201	0.000151096	4.23617E-05	0.000133307	6.71665E-05
0.000142283	0.000150207	4.19925E-05	0.000132388	6.07868E-05	0.000143067	0.000150882	4.32534E-05	0.000132388	5.70098E-05
0.000137684	0.000145341	4.07717E-05	0.000127029	5.2403E-05	0.000137903	0.000145419	4.19113E-05	0.000127029	4.98752E-05
0.000131966	0.0001394	3.78884E-05	0.000119934	4.66541E-05	0.000131524	0.000138751	3.92183E-05	0.000119934	4.54619E-05
0.000120236	0.000127058	3.38828E-05	0.000111322	4.56843E-05	0.00012092	0.000127603	3.55539E-05	0.000111322	4.44774E-05
0.000109949	0.000116281	2.981E-05	0.000104552	4.53682E-05	0.000112095	0.000118368	3.19721E-05	0.000104552	4.41592E-05
9.57944E-05	0.000101388	2.49987E-05	9.39419E-05	4.44345E-05	9.91926E-05	0.000104803	2.75335E-05	9.39419E-05	4.32025E-05
9.3795E-05	9.9324E-05	2.38173E-05	9.35258E-05	4.49664E-05	9.79755E-05	0.000103561	2.66406E-05	9.35258E-05	4.37531E-05
9.27887E-05	9.82734E-05	2.33715E-05	9.35001E-05	4.50936E-05	9.74227E-05	0.000102987	2.63548E-05	9.35001E-05	4.38867E-05
9.47027E-05	0.000100298	2.38902E-05	9.63892E-05	4.65839E-05	9.9881E-05	0.000105581	2.70814E-05	9.63892E-05	4.54184E-05
0.000100038	0.000105923	2.55637E-05	0.000102132	4.89443E-05	0.000105597	0.0001116	2.89219E-05	0.000102132	4.78314E-05
0.000107147	0.000113423	2.77125E-05	0.000108285	4.97922E-05	0.000112516	0.000118895	3.10509E-05	0.000108285	4.8653E-05
0.000112952	0.000119507	2.99935E-05	0.000113205	9.60172E-05	0.000118024	0.000124671	3.31256E-05	0.000113205	8.73656E-05
0.000111193	0.000117555	3.0681E-05	0.000114164	9.57604E-05	0.000117272	0.000123816	3.36932E-05	0.000114164	8.70459E-05
0.000109857	0.000116128	3.04896E-05	0.00011191	9.63593E-05	0.000115412	0.000121841	3.32984E-05	0.00011191	8.76383E-05
0.000107073	0.000113166	2.99634E-05	0.00010782	9.60977E-05	0.000111848	0.000118063	3.24638E-05	0.00010782	8.73576E-05
0.000104477	0.000110409	2.93927E-05	0.000103844	9.56401E-05	0.000108461	0.00011448	3.15873E-05	0.000103844	8.68793E-05
0.000101884	0.000107684	2.84689E-05	0.000100696	8.78842E-05	0.000105535	0.000111407	3.05344E-05	0.000100696	8.03616E-05
9.98356E-05	0.00010552	2.78964E-05	9.83147E-05	8.7461E-05	0.000103244	0.00010899	2.98605E-05	9.83147E-05	7.99285E-05
9.90116E-05	0.000104666	2.74499E-05	9.787E-05	8.65776E-05	0.000102606	0.000108331	2.94827E-05	9.787E-05	7.90295E-05
0.000100619	0.000106373	2.77868E-05	9.98755E-05	9.24412E-05	0.000104489	0.000110326	2.99342E-05	9.98755E-05	8.36118E-05
0.000107569	0.000113731	2.95767E-05	0.00010667	9.08457E-05	0.00011168	0.000117929	3.18691E-05	0.00010667	8.19824E-05
0.000118989	0.000125835	3.234E-05	0.000117265	8.97153E-05	0.000123261	0.000130187	3.47941E-05	0.000117265	8.08282E-05
0.000131607	0.000139133	3.63534E-05	0.000127267	8.88309E-05	0.000135071	0.000142624	3.85963E-05	0.000127267	7.99313E-05
0.000141414	0.000149371	4.07075E-05	0.000133307	7.35526E-05	0.000143201	0.000151096	4.23617E-05	0.000133307	6.71665E-05

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Hour	Residential Energy Savings (MWh)
1	9.61232E-05
2	9.40997E-05
3	9.31372E-05
4	9.514E-05
5	0.000100573
6	0.000107653
7	0.000113399
8	0.000111609
9	0.000110234
10	0.000107392
11	0.000104704
12	0.000102002
13	9.99193E-05
14	9.9071E-05
15	0.000100689
16	0.0001076
17	0.000118857
18	0.000131394
19	0.000141304
20	0.000142287
21	0.000137791
22	0.000132181
23	0.000120517
24	0.000110212
25	9.61232E-05
26	9.40997E-05
27	9.31372E-05
28	9.514E-05
29	0.000100573
30	0.000107653
31	0.000113399
32	0.000111609
33	0.000110234
34	0.000107392
35	0.000104704
36	0.000102002
37	9.99193E-05
38	9.9071E-05
39	0.000100689
40	0.0001076
41	0.000118857
42	0.000131394
43	0.000141304
44	0.000142287
45	0.000137791
46	0.000132181
47	0.000120517
48	0.000110212
49	9.61232E-05
50	9.40997E-05
51	9.31372E-05
52	9.514E-05
53	0.000100573
54	0.000107653
55	0.000113399
56	0.000111609
57	0.000110234
58	0.000107392
59	0.000104704
60	0.000102002
61	9.99193E-05
62	9.9071E-05
63	0.000100689
64	0.0001076
65	0.000118857
66	0.000131394
67	0.000141304

0.000142283	0.000150207	4.19925E-05	0.000132388	6.07868E-05	0.000143067	0.000150882	4.32534E-05	0.000132388	5.70098E-05	**68**	0.000142287
0.000137684	0.000145341	4.07717E-05	0.000127029	5.2403E-05	0.000137903	0.000145419	4.19113E-05	0.000127029	4.98752E-05	**69**	0.000137791
0.000131966	0.0001394	3.78884E-05	0.000119934	4.66541E-05	0.000131524	0.000138751	3.92183E-05	0.000119934	4.54619E-05	**70**	0.000132181
0.000120236	0.000127058	3.38828E-05	0.000111322	4.56843E-05	0.00012092	0.000127603	3.55539E-05	0.000111322	4.44774E-05	**71**	0.000120517
0.000109949	0.000116281	2.981E-05	0.000104552	4.53682E-05	0.000112095	0.000118368	3.19721E-05	0.000104552	4.41592E-05	**72**	0.000110212
9.63006E-05	0.000101923	2.51418E-05	9.45861E-05	4.51106E-05	9.97848E-05	0.000105428	2.77108E-05	9.45861E-05	4.39002E-05	**73**	9.66436E-05
9.32607E-05	9.87582E-05	2.36811E-05	9.29233E-05	4.46817E-05	9.73844E-05	0.000102936	2.64797E-05	9.29233E-05	4.34604E-05	**74**	9.35615E-05
9.23208E-05	9.77771E-05	2.32621E-05	9.30238E-05	4.48773E-05	9.69275E-05	0.000102462	2.62313E-05	9.30238E-05	4.36645E-05	**75**	9.2673E-05
9.40926E-05	9.96513E-05	2.37382E-05	9.57193E-05	4.62775E-05	9.92139E-05	0.000104875	2.69038E-05	9.57193E-05	4.51035E-05	**76**	9.45279E-05
9.9324E-05	0.000105166	2.53881E-05	0.00010136	4.85316E-05	0.000104821	0.000110779	2.87182E-05	0.00010136	4.74078E-05	**77**	9.98579E-05
0.000106478	0.000112714	2.75472E-05	0.000107558	4.93295E-05	0.000111788	0.000118124	3.08586E-05	0.000107558	4.81784E-05	**78**	0.000106983
0.000110728	0.000117126	2.97428E-05	0.000112234	9.53999E-05	0.000116236	0.000122765	3.28488E-05	0.000112234	8.67329E-05	**79**	0.000111171
0.000110367	0.00011668	3.04652E-05	0.000113205	9.50098E-05	0.000116346	0.000122838	3.34351E-05	0.000113205	8.6278E-05	**80**	0.000110773
0.000108979	0.000115198	3.02656E-05	0.000110919	9.55526E-05	0.00011444	0.000120814	3.30336E-05	0.000110919	8.68135E-05	**81**	0.000109349
0.00010636	0.000112412	2.97641E-05	0.000106925	9.53602E-05	0.000111019	0.000117189	3.22183E-05	0.000106925	8.66049E-05	**82**	0.00010666
0.000103892	0.000109792	2.9216E-05	0.00010304	9.47887E-05	0.000107751	0.000113732	3.13623E-05	0.00010304	8.60107E-05	**83**	0.000104095
0.000101284	0.000107051	2.82918E-05	9.98943E-05	8.70993E-05	0.000104816	0.00011065	3.03111E-05	9.98943E-05	7.95622E-05	**84**	0.00010138
9.92207E-05	0.000104871	2.77092E-05	9.7463E-05	8.66877E-05	0.000102494	0.0001082	2.96215E-05	9.7463E-05	7.9142E-05	**85**	9.92773E-05
9.84578E-05	0.000104081	2.72823E-05	9.71081E-05	8.58213E-05	0.000101933	0.000107622	2.92692E-05	9.71081E-05	7.82596E-05	**86**	9.84937E-05
0.000100001	0.000105721	2.76019E-05	9.90371E-05	9.17315E-05	0.000103743	0.00010954	2.97E-05	9.90371E-05	8.28891E-05	**87**	0.000100046
0.000106872	0.000112994	2.93818E-05	0.000105794	9.02717E-05	0.00011087	0.000117074	3.16286E-05	0.000105794	8.13984E-05	**88**	0.000106885
0.00011809	0.000124883	3.21161E-05	0.000116278	8.92344E-05	0.000122278	0.000129148	3.45325E-05	0.000116278	8.03389E-05	**89**	0.000117956
0.000130537	0.000137999	3.60926E-05	0.000126122	8.83749E-05	0.000133914	0.000141401	3.8295E-05	0.000126122	7.94664E-05	**90**	0.000130325
0.000140264	0.000148152	4.04279E-05	0.00013208	7.31148E-05	0.000141959	0.000149782	4.20393E-05	0.00013208	6.67194E-05	**91**	0.000140155
0.000141155	0.000149011	4.17225E-05	0.000131207	6.03623E-05	0.000141859	0.000149603	4.29444E-05	0.000131207	5.65755E-05	**92**	0.000141163
0.000138263	0.000145977	4.06261E-05	0.000126265	5.19877E-05	0.000137923	0.000145454	4.17334E-05	0.000126265	4.94501E-05	**93**	0.000138377
0.000131244	0.000138635	3.77024E-05	0.00011911	4.62748E-05	0.00013072	0.000137901	3.89974E-05	0.00011911	4.50723E-05	**94**	0.000131452
0.000119577	0.000126361	3.37118E-05	0.000110563	4.53921E-05	0.000120184	0.000126825	3.535E-05	0.000110563	4.41761E-05	**95**	0.00011985
0.000109432	0.000115733	2.96803E-05	0.00010398	4.52124E-05	0.000111528	0.000117768	3.18201E-05	0.00010398	4.39981E-05	**96**	0.000109692
9.63006E-05	0.000101923	2.51418E-05	9.45861E-05	4.51106E-05	9.97848E-05	0.000105428	2.77108E-05	9.45861E-05	4.39002E-05	**97**	9.66436E-05
9.32607E-05	9.87582E-05	2.36811E-05	9.29233E-05	4.46817E-05	9.73844E-05	0.000102936	2.64797E-05	9.29233E-05	4.34604E-05	**98**	9.35615E-05
9.23208E-05	9.77771E-05	2.32621E-05	9.30238E-05	4.48773E-05	9.69275E-05	0.000102462	2.62313E-05	9.30238E-05	4.36645E-05	**99**	9.2673E-05
9.40926E-05	9.96513E-05	2.37382E-05	9.57193E-05	4.62775E-05	9.92139E-05	0.000104875	2.69038E-05	9.57193E-05	4.51035E-05	**100**	9.45279E-05
9.9324E-05	0.000105166	2.53881E-05	0.00010136	4.85316E-05	0.000104821	0.000110779	2.87182E-05	0.00010136	4.74078E-05	**101**	9.98579E-05
0.000106478	0.000112714	2.75472E-05	0.000107558	4.93295E-05	0.000111788	0.000118124	3.08586E-05	0.000107558	4.81784E-05	**102**	0.000106983
0.000110728	0.000117126	2.97428E-05	0.000112234	9.53999E-05	0.000116236	0.000122765	3.28488E-05	0.000112234	8.67329E-05	**103**	0.000111171
0.000110367	0.00011668	3.04652E-05	0.000113205	9.50098E-05	0.000116346	0.000122838	3.34351E-05	0.000113205	8.6278E-05	**104**	0.000110773
0.000108979	0.000115198	3.02656E-05	0.000110919	9.55526E-05	0.00011444	0.000120814	3.30336E-05	0.000110919	8.68135E-05	**105**	0.000109349
0.00010636	0.000112412	2.97641E-05	0.000106925	9.53602E-05	0.000111019	0.000117189	3.22183E-05	0.000106925	8.66049E-05	**106**	0.00010666
0.000103892	0.000109792	2.9216E-05	0.00010304	9.47887E-05	0.000107751	0.000113732	3.13623E-05	0.00010304	8.60107E-05	**107**	0.000104095
0.000101284	0.000107051	2.82918E-05	9.98943E-05	8.70993E-05	0.000104816	0.00011065	3.03111E-05	9.98943E-05	7.95622E-05	**108**	0.00010138
9.92207E-05	0.000104871	2.77092E-05	9.7463E-05	8.66877E-05	0.000102494	0.0001082	2.96215E-05	9.7463E-05	7.9142E-05	**109**	9.92773E-05
9.84578E-05	0.000104081	2.72823E-05	9.71081E-05	8.58213E-05	0.000101933	0.000107622	2.92692E-05	9.71081E-05	7.82596E-05	**110**	9.84937E-05
0.000100001	0.000105721	2.76019E-05	9.90371E-05	9.17315E-05	0.000103743	0.00010954	2.97E-05	9.90371E-05	8.28891E-05	**111**	0.000100046
0.000106872	0.000112994	2.93818E-05	0.000105794	9.02717E-05	0.00011087	0.000117074	3.16286E-05	0.000105794	8.13984E-05	**112**	0.000106885
0.00011809	0.000124883	3.21161E-05	0.000116278	8.92344E-05	0.000122278	0.000129148	3.45325E-05	0.000116278	8.03389E-05	**113**	0.000117956
0.000130537	0.000137999	3.60926E-05	0.000126122	8.83749E-05	0.000133914	0.000141401	3.8295E-05	0.000126122	7.94664E-05	**114**	0.000130325
0.000140264	0.000148152	4.04279E-05	0.00013208	7.31148E-05	0.000141959	0.000149782	4.20393E-05	0.00013208	6.67194E-05	**115**	0.000140155
0.000141155	0.000149011	4.17225E-05	0.000131207	6.03623E-05	0.000141859	0.000149603	4.29444E-05	0.000131207	5.65755E-05	**116**	0.000141163
0.000138263	0.000145977	4.06261E-05	0.000126265	5.19877E-05	0.000137923	0.000145454	4.17334E-05	0.000126265	4.94501E-05	**117**	0.000138377
0.000131244	0.000138635	3.77024E-05	0.00011911	4.62748E-05	0.00013072	0.000137901	3.89974E-05	0.00011911	4.50723E-05	**118**	0.000131452
0.000119577	0.000126361	3.37118E-05	0.000110563	4.53921E-05	0.000120184	0.000126825	3.535E-05	0.000110563	4.41761E-05	**119**	0.00011985
0.000109432	0.000115733	2.96803E-05	0.00010398	4.52124E-05	0.000111528	0.000117768	3.18201E-05	0.00010398	4.39981E-05	**120**	0.000109692
9.63006E-05	0.000101923	2.51418E-05	9.45861E-05	4.51106E-05	9.97848E-05	0.000105428	2.77108E-05	9.45861E-05	4.39002E-05	**121**	9.66436E-05
9.32607E-05	9.87582E-05	2.36811E-05	9.29233E-05	4.46817E-05	9.73844E-05	0.000102936	2.64797E-05	9.29233E-05	4.34604E-05	**122**	9.35615E-05
9.23208E-05	9.77771E-05	2.32621E-05	9.30238E-05	4.48773E-05	9.69275E-05	0.000102462	2.62313E-05	9.30238E-05	4.36645E-05	**123**	9.2673E-05
9.40926E-05	9.96513E-05	2.37382E-05	9.57193E-05	4.62775E-05	9.92139E-05	0.000104875	2.69038E-05	9.57193E-05	4.51035E-05	**124**	9.45279E-05
9.9324E-05	0.000105166	2.53881E-05	0.00010136	4.85316E-05	0.000104821	0.000110779	2.87182E-05	0.00010136	4.74078E-05	**125**	9.98579E-05
0.000106478	0.000112714	2.75472E-05	0.000107558	4.93295E-05	0.000111788	0.000118124	3.08586E-05	0.000107558	4.81784E-05	**126**	0.000106983
0.000110728	0.000117126	2.97428E-05	0.000112234	9.53999E-05	0.000116236	0.000122765	3.28488E-05	0.000112234	8.67329E-05	**127**	0.000111171
0.000110367	0.00011668	3.04652E-05	0.000113205	9.50098E-05	0.000116346	0.000122838	3.34351E-05	0.000113205	8.6278E-05	**128**	0.000110773
0.000108979	0.000115198	3.02656E-05	0.000110919	9.55526E-05	0.00011444	0.000120814	3.30336E-05	0.000110919	8.68135E-05	**129**	0.000109349
0.00010636	0.000112412	2.97641E-05	0.000106925	9.53602E-05	0.000111019	0.000117189	3.22183E-05	0.000106925	8.66049E-05	**130**	0.00010666
0.000103892	0.000109792	2.9216E-05	0.00010304	9.47887E-05	0.000107751	0.000113732	3.13623E-05	0.00010304	8.60107E-05	**131**	0.000104095
0.000101284	0.000107051	2.82918E-05	9.98943E-05	8.70993E-05	0.000104816	0.00011065	3.03111E-05	9.98943E-05	7.95622E-05	**132**	0.00010138
9.92207E-05	0.000104871	2.77092E-05	9.7463E-05	8.66877E-05	0.000102494	0.0001082	2.96215E-05	9.7463E-05	7.9142E-05	**133**	9.92773E-05
9.84578E-05	0.000104081	2.72823E-05	9.71081E-05	8.58213E-05	0.000101933	0.000107622	2.92692E-05	9.71081E-05	7.82596E-05	**134**	9.84937E-05
0.000100001	0.000105721	2.76019E-05	9.90371E-05	9.17315E-05	0.000103743	0.00010954	2.97E-05	9.90371E-05	8.28891E-05	**135**	0.000100046
0.000106872	0.000112994	2.93818E-05	0.000105794	9.02717E-05	0.00011087	0.000117074	3.16286E-05	0.000105794	8.13984E-05	**136**	0.000106885
0.00011809	0.000124883	3.21161E-05	0.000116278	8.92344E-05	0.000122278	0.000129148	3.45325E-05	0.000116278	8.03389E-05	**137**	0.000117956
0.000130537	0.000137999	3.60926E-05	0.000126122	8.83749E-05	0.000133914	0.000141401	3.8295E-05	0.000126122	7.94664E-05	**138**	0.000130325
0.000140264	0.000148152	4.04279E-05	0.00013208	7.31148E-05	0.000141959	0.000149782	4.20393E-05	0.00013208	6.67194E-05	**139**	0.000140155
0.000141155	0.000149011	4.17225E-05	0.000131207	6.03623E-05	0.000141859	0.000149603	4.29444E-05	0.000131207	5.65755E-05	**140**	0.000141163
0.000138263	0.000145977	4.06261E-05	0.000126265	5.19877E-05	0.000137923	0.000145454	4.17334E-05	0.000126265	4.94501E-05	**141**	0.000138377
0.000131244	0.000138635	3.77024E-05	0.00011911	4.62748E-05	0.00013072	0.000137901	3.89974E-05	0.00011911	4.50723E-05	**142**	0.000131452
0.000119577	0.000126361	3.37118E-05	0.000110563	4.53921E-05	0.000120184	0.000126825	3.535E-05	0.000110563	4.41761E-05	**143**	0.00011985

0.000109432	0.000115733	2.96803E-05	0.00010398	4.52124E-05	0.000111528	0.000117768	3.18201E-05	0.00010398	4.39981E-05	**144**	0.000109692
9.63006E-05	0.000101923	2.51418E-05	9.45861E-05	4.51106E-05	9.97848E-05	0.000105428	2.77108E-05	9.45861E-05	4.39002E-05	**145**	9.66436E-05
9.32607E-05	9.87582E-05	2.36811E-05	9.29233E-05	4.46817E-05	9.73844E-05	0.000102936	2.64797E-05	9.29233E-05	4.34604E-05	**146**	9.35615E-05
9.23208E-05	9.77771E-05	2.32621E-05	9.30238E-05	4.48773E-05	9.69275E-05	0.000102462	2.62313E-05	9.30238E-05	4.36645E-05	**147**	9.2673E-05
9.40926E-05	9.96513E-05	2.37382E-05	9.57193E-05	4.62775E-05	9.92139E-05	0.000104875	2.69038E-05	9.57193E-05	4.51035E-05	**148**	9.45279E-05
9.9324E-05	0.000105166	2.53881E-05	0.00010136	4.85316E-05	0.000104821	0.000110779	2.87182E-05	0.00010136	4.74078E-05	**149**	9.98579E-05
0.000106478	0.000112714	2.75472E-05	0.000107558	4.93295E-05	0.000111788	0.000118124	3.08586E-05	0.000107558	4.81784E-05	**150**	0.000106983
0.000110728	0.000117126	2.97428E-05	0.000112234	9.53999E-05	0.000116236	0.000122765	3.28488E-05	0.000112234	8.67329E-05	**151**	0.000111171
0.000110367	0.00011668	3.04652E-05	0.000113205	9.50098E-05	0.000116346	0.000122838	3.34351E-05	0.000113205	8.6278E-05	**152**	0.000110773
0.000108979	0.000115198	3.02656E-05	0.000110919	9.55526E-05	0.00011444	0.000120814	3.30336E-05	0.000110919	8.68135E-05	**153**	0.000109349
0.00010636	0.000112412	2.97641E-05	0.000106925	9.53602E-05	0.000111019	0.000117189	3.22183E-05	0.000106925	8.66049E-05	**154**	0.00010666
0.000103892	0.000109792	2.9216E-05	0.00010304	9.47887E-05	0.000107751	0.000113732	3.13623E-05	0.00010304	8.60107E-05	**155**	0.000104095
0.000101284	0.000107051	2.82918E-05	9.98943E-05	8.70993E-05	0.000104816	0.00011065	3.03111E-05	9.98943E-05	7.95622E-05	**156**	0.00010138
9.92207E-05	0.000104871	2.77092E-05	9.7463E-05	8.66877E-05	0.000102494	0.0001082	2.96215E-05	9.7463E-05	7.9142E-05	**157**	9.92773E-05
9.84578E-05	0.000104081	2.72823E-05	9.71081E-05	8.58213E-05	0.000101933	0.000107622	2.92692E-05	9.71081E-05	7.82596E-05	**158**	9.84937E-05
0.000100001	0.000105721	2.76019E-05	9.90371E-05	9.17315E-05	0.000103743	0.00010954	2.97E-05	9.90371E-05	8.28891E-05	**159**	0.000100046
0.000106872	0.000112994	2.93818E-05	0.000105794	9.02717E-05	0.00011087	0.000117074	3.16286E-05	0.000105794	8.13984E-05	**160**	0.000106885
0.00011809	0.000124883	3.21161E-05	0.000116278	8.92344E-05	0.000122278	0.000129148	3.45325E-05	0.000116278	8.03389E-05	**161**	0.000117956
0.000130537	0.000137999	3.60926E-05	0.000126122	8.83749E-05	0.000133914	0.000141401	3.8295E-05	0.000126122	7.94664E-05	**162**	0.000130325
0.000140264	0.000148152	4.04279E-05	0.00013208	7.31148E-05	0.000141959	0.000149782	4.20393E-05	0.00013208	6.67194E-05	**163**	0.000140155
0.000141155	0.000149011	4.17225E-05	0.000131207	6.03623E-05	0.000141859	0.000149603	4.29444E-05	0.000131207	5.65755E-05	**164**	0.000141163
0.000138263	0.000145977	4.06261E-05	0.000126265	5.19877E-05	0.000137923	0.000145454	4.17334E-05	0.000126265	4.94501E-05	**165**	0.000138377
0.000131244	0.000138635	3.77024E-05	0.00011911	4.62748E-05	0.00013072	0.000137901	3.89974E-05	0.00011911	4.50723E-05	**166**	0.000131452
0.000119577	0.000126361	3.37118E-05	0.000110563	4.53921E-05	0.000120184	0.000126825	3.535E-05	0.000110563	4.41761E-05	**167**	0.00011985
0.000109432	0.000115733	2.96803E-05	0.00010398	4.52124E-05	0.000111528	0.000117768	3.18201E-05	0.00010398	4.39981E-05	**168**	0.000109692
9.63006E-05	0.000101923	2.51418E-05	9.45861E-05	4.51106E-05	9.97848E-05	0.000105428	2.77108E-05	9.45861E-05	4.39002E-05	**169**	9.66436E-05
9.32607E-05	9.87582E-05	2.36811E-05	9.29233E-05	4.46817E-05	9.73844E-05	0.000102936	2.64797E-05	9.29233E-05	4.34604E-05	**170**	9.35615E-05
9.23208E-05	9.77771E-05	2.32621E-05	9.30238E-05	4.48773E-05	9.69275E-05	0.000102462	2.62313E-05	9.30238E-05	4.36645E-05	**171**	9.2673E-05
9.40926E-05	9.96513E-05	2.37382E-05	9.57193E-05	4.62775E-05	9.92139E-05	0.000104875	2.69038E-05	9.57193E-05	4.51035E-05	**172**	9.45279E-05
9.9324E-05	0.000105166	2.53881E-05	0.00010136	4.85316E-05	0.000104821	0.000110779	2.87182E-05	0.00010136	4.74078E-05	**173**	9.98579E-05
0.000106478	0.000112714	2.75472E-05	0.000107558	4.93295E-05	0.000111788	0.000118124	3.08586E-05	0.000107558	4.81784E-05	**174**	0.000106983
0.000110728	0.000117126	2.97428E-05	0.000112234	9.53999E-05	0.000116236	0.000122765	3.28488E-05	0.000112234	8.67329E-05	**175**	0.000111171
0.000110367	0.00011668	3.04652E-05	0.000113205	9.50098E-05	0.000116346	0.000122838	3.34351E-05	0.000113205	8.6278E-05	**176**	0.000110773
0.000108979	0.000115198	3.02656E-05	0.000110919	9.55526E-05	0.00011444	0.000120814	3.30336E-05	0.000110919	8.68135E-05	**177**	0.000109349
0.00010636	0.000112412	2.97641E-05	0.000106925	9.53602E-05	0.000111019	0.000117189	3.22183E-05	0.000106925	8.66049E-05	**178**	0.00010666
0.000103892	0.000109792	2.9216E-05	0.00010304	9.47887E-05	0.000107751	0.000113732	3.13623E-05	0.00010304	8.60107E-05	**179**	0.000104095
0.000101284	0.000107051	2.82918E-05	9.98943E-05	8.70993E-05	0.000104816	0.00011065	3.03111E-05	9.98943E-05	7.95622E-05	**180**	0.00010138
9.92207E-05	0.000104871	2.77092E-05	9.7463E-05	8.66877E-05	0.000102494	0.0001082	2.96215E-05	9.7463E-05	7.9142E-05	**181**	9.92773E-05
9.84578E-05	0.000104081	2.72823E-05	9.71081E-05	8.58213E-05	0.000101933	0.000107622	2.92692E-05	9.71081E-05	7.82596E-05	**182**	9.84937E-05
0.000100001	0.000105721	2.76019E-05	9.90371E-05	9.17315E-05	0.000103743	0.00010954	2.97E-05	9.90371E-05	8.28891E-05	**183**	0.000100046
0.000106872	0.000112994	2.93818E-05	0.000105794	9.02717E-05	0.00011087	0.000117074	3.16286E-05	0.000105794	8.13984E-05	**184**	0.000106885
0.00011809	0.000124883	3.21161E-05	0.000116278	8.92344E-05	0.000122278	0.000129148	3.45325E-05	0.000116278	8.03389E-05	**185**	0.000117956
0.000130537	0.000137999	3.60926E-05	0.000126122	8.83749E-05	0.000133914	0.000141401	3.8295E-05	0.000126122	7.94664E-05	**186**	0.000130325
0.000140264	0.000148152	4.04279E-05	0.00013208	7.31148E-05	0.000141959	0.000149782	4.20393E-05	0.00013208	6.67194E-05	**187**	0.000140155
0.000141155	0.000149011	4.17225E-05	0.000131207	6.03623E-05	0.000141859	0.000149603	4.29444E-05	0.000131207	5.65755E-05	**188**	0.000141163
0.000138263	0.000145977	4.06261E-05	0.000126265	5.19877E-05	0.000137923	0.000145454	4.17334E-05	0.000126265	4.94501E-05	**189**	0.000138377
0.000131244	0.000138635	3.77024E-05	0.00011911	4.62748E-05	0.00013072	0.000137901	3.89974E-05	0.00011911	4.50723E-05	**190**	0.000131452
0.000119577	0.000126361	3.37118E-05	0.000110563	4.53921E-05	0.000120184	0.000126825	3.535E-05	0.000110563	4.41761E-05	**191**	0.00011985
0.000109432	0.000115733	2.96803E-05	0.00010398	4.52124E-05	0.000111528	0.000117768	3.18201E-05	0.00010398	4.39981E-05	**192**	0.000109692
9.57944E-05	0.000101388	2.49987E-05	9.39419E-05	4.44345E-05	9.91926E-05	0.000104803	2.75335E-05	9.39419E-05	4.32025E-05	**193**	9.61232E-05
9.3795E-05	9.9324E-05	2.38173E-05	9.35258E-05	4.49664E-05	9.79755E-05	0.000103561	2.66406E-05	9.35258E-05	4.37531E-05	**194**	9.40997E-05
9.27887E-05	9.82734E-05	2.33715E-05	9.35001E-05	4.50936E-05	9.74227E-05	0.000102987	2.63548E-05	9.35001E-05	4.38867E-05	**195**	9.31372E-05
9.47027E-05	0.000100298	2.38902E-05	9.63892E-05	4.65839E-05	9.9881E-05	0.000105581	2.70814E-05	9.63892E-05	4.54184E-05	**196**	9.514E-05
0.000100038	0.000105923	2.55637E-05	0.000102132	4.89443E-05	0.000105597	0.0001116	2.89219E-05	0.000102132	4.78314E-05	**197**	0.000100573
0.000107147	0.000113423	2.77125E-05	0.000108285	4.97922E-05	0.000112516	0.000118895	3.10509E-05	0.000108285	4.8653E-05	**198**	0.000107653
0.000112952	0.000119507	2.99935E-05	0.000113205	9.60172E-05	0.000118024	0.000124671	3.31256E-05	0.000113205	8.73656E-05	**199**	0.000113399
0.000111193	0.000117555	3.0681E-05	0.000114164	9.57604E-05	0.000117272	0.000123816	3.36932E-05	0.000114164	8.70459E-05	**200**	0.000111609
0.000109857	0.000116128	3.04896E-05	0.00011191	9.63593E-05	0.000115412	0.000121841	3.32984E-05	0.00011191	8.76383E-05	**201**	0.000110234
0.000107073	0.000113166	2.99634E-05	0.00010782	9.60977E-05	0.000111848	0.000118063	3.24638E-05	0.00010782	8.73576E-05	**202**	0.000107392
0.000104477	0.000110409	2.93927E-05	0.000103844	9.56401E-05	0.000108461	0.00011448	3.15873E-05	0.000103844	8.68793E-05	**203**	0.000104704
0.000101884	0.000107684	2.84689E-05	0.000100696	8.78842E-05	0.000105535	0.000111407	3.05344E-05	0.000100696	8.03616E-05	**204**	0.000102002
9.98356E-05	0.00010552	2.78964E-05	9.83147E-05	8.7461E-05	0.000103244	0.00010899	2.98605E-05	9.83147E-05	7.99285E-05	**205**	9.99193E-05
9.90116E-05	0.000104666	2.74499E-05	9.787E-05	8.65776E-05	0.000102606	0.000108331	2.94827E-05	9.787E-05	7.90295E-05	**206**	9.9071E-05
0.000100619	0.000106373	2.77868E-05	9.98755E-05	9.24412E-05	0.000104489	0.000110326	2.99342E-05	9.98755E-05	8.36118E-05	**207**	0.000100689
0.000107569	0.000113731	2.95767E-05	0.00010667	9.08457E-05	0.00011168	0.000117929	3.18691E-05	0.00010667	8.19824E-05	**208**	0.0001076
0.000118989	0.000125835	3.234E-05	0.000117265	8.97153E-05	0.000123261	0.000130187	3.47941E-05	0.000117265	8.08282E-05	**209**	0.000118857
0.000131607	0.000139133	3.63534E-05	0.000127267	8.88309E-05	0.000135071	0.000142624	3.85963E-05	0.000127267	7.99313E-05	**210**	0.000131394
0.000141414	0.000149371	4.07075E-05	0.000133307	7.35526E-05	0.000143201	0.000151096	4.23617E-05	0.000133307	6.71665E-05	**211**	0.000141304
0.000142283	0.000150207	4.19925E-05	0.000132388	6.07868E-05	0.000143067	0.000150882	4.32534E-05	0.000132388	5.70098E-05	**212**	0.000142287
0.000137684	0.000145341	4.07717E-05	0.000127029	5.2403E-05	0.000137903	0.000145419	4.19113E-05	0.000127029	4.98752E-05	**213**	0.000137791
0.000131966	0.0001394	3.78884E-05	0.000119934	4.66541E-05	0.000131524	0.000138751	3.92183E-05	0.000119934	4.54619E-05	**214**	0.000132181
0.000120236	0.000127058	3.38828E-05	0.000111322	4.56843E-05	0.00012092	0.000127603	3.55539E-05	0.000111322	4.44774E-05	**215**	0.000120517
0.000109949	0.000116281	2.981E-05	0.000104552	4.53682E-05	0.000112095	0.000118368	3.19721E-05	0.000104552	4.41592E-05	**216**	0.000110212
9.57944E-05	0.000101388	2.49987E-05	9.39419E-05	4.44345E-05	9.91926E-05	0.000104803	2.75335E-05	9.39419E-05	4.32025E-05	**217**	9.61232E-05
9.3795E-05	9.9324E-05	2.38173E-05	9.35258E-05	4.49664E-05	9.79755E-05	0.000103561	2.66406E-05	9.35258E-05	4.37531E-05	**218**	9.40997E-05
9.27887E-05	9.82734E-05	2.33715E-05	9.35001E-05	4.50936E-05	9.74227E-05	0.000102987	2.63548E-05	9.35001E-05	4.38867E-05	**219**	9.31372E-05

9.47027E-05	0.000100298	2.38902E-05	9.63892E-05	4.65839E-05	9.9881E-05	0.000105581	2.70814E-05	9.63892E-05	4.54184E-05	**220**	9.514E-05
0.000100038	0.000105923	2.55637E-05	0.000102132	4.89443E-05	0.000105597	0.0001116	2.89219E-05	0.000102132	4.78314E-05	**221**	0.000100573
0.000107147	0.000113423	2.77125E-05	0.000108285	4.97922E-05	0.000112516	0.000118895	3.10509E-05	0.000108285	4.8653E-05	**222**	0.000107653
0.000112952	0.000119507	2.99935E-05	0.000113205	9.60172E-05	0.000118024	0.000124671	3.31256E-05	0.000113205	8.73656E-05	**223**	0.000113399
0.000111193	0.000117555	3.0681E-05	0.000114164	9.57604E-05	0.000117272	0.000123816	3.36932E-05	0.000114164	8.70459E-05	**224**	0.000111609
0.000109857	0.000116128	3.04896E-05	0.00011191	9.63593E-05	0.000115412	0.000121841	3.32984E-05	0.00011191	8.76383E-05	**225**	0.000110234
0.000107073	0.000113166	2.99634E-05	0.00010782	9.60977E-05	0.000111848	0.000118063	3.24638E-05	0.00010782	8.73576E-05	**226**	0.000107392
0.000104477	0.000110409	2.93927E-05	0.000103844	9.56401E-05	0.000108461	0.00011448	3.15873E-05	0.000103844	8.68793E-05	**227**	0.000104704
0.000101884	0.000107684	2.84689E-05	0.000100696	8.78842E-05	0.000105535	0.000111407	3.05344E-05	0.000100696	8.03616E-05	**228**	0.000102002
9.98356E-05	0.00010552	2.78964E-05	9.83147E-05	8.7461E-05	0.000103244	0.00010899	2.98605E-05	9.83147E-05	7.99285E-05	**229**	9.99193E-05
9.90116E-05	0.000104666	2.74499E-05	9.787E-05	8.65776E-05	0.000102606	0.000108331	2.94827E-05	9.787E-05	7.90295E-05	**230**	9.9071E-05
0.000100619	0.000106373	2.77868E-05	9.98755E-05	9.24412E-05	0.000104489	0.000110326	2.99342E-05	9.98755E-05	8.36118E-05	**231**	0.000100689
0.000107569	0.000113731	2.95767E-05	0.00010667	9.08457E-05	0.00011168	0.000117929	3.18691E-05	0.00010667	8.19824E-05	**232**	0.0001076
0.000118989	0.000125835	3.234E-05	0.000117265	8.97153E-05	0.000123261	0.000130187	3.47941E-05	0.000117265	8.08282E-05	**233**	0.000118857
0.000131607	0.000139133	3.63534E-05	0.000127267	8.88309E-05	0.000135071	0.000142624	3.85963E-05	0.000127267	7.99313E-05	**234**	0.000131394
0.000141414	0.000149371	4.07075E-05	0.000133307	7.35526E-05	0.000143201	0.000151096	4.23617E-05	0.000133307	6.71665E-05	**235**	0.000141304
0.000142283	0.000150207	4.19925E-05	0.000132388	6.07868E-05	0.000143067	0.000150882	4.32534E-05	0.000132388	5.70098E-05	**236**	0.000142287
0.000137684	0.000145341	4.07717E-05	0.000127029	5.2403E-05	0.000137903	0.000145419	4.19113E-05	0.000127029	4.98752E-05	**237**	0.000137791
0.000131966	0.0001394	3.78884E-05	0.000119934	4.66541E-05	0.000131524	0.000138751	3.92183E-05	0.000119934	4.54619E-05	**238**	0.000132181
0.000120236	0.000127058	3.38828E-05	0.000111322	4.56843E-05	0.00012092	0.000127603	3.55539E-05	0.000111322	4.44774E-05	**239**	0.000120517
0.000109949	0.000116281	2.981E-05	0.000104552	4.53682E-05	0.000112095	0.000118368	3.19721E-05	0.000104552	4.41592E-05	**240**	0.000110212
9.63006E-05	0.000101923	2.51418E-05	9.45861E-05	4.51106E-05	9.97848E-05	0.000105428	2.77108E-05	9.45861E-05	4.39002E-05	**241**	9.66436E-05
9.32607E-05	9.87582E-05	2.36811E-05	9.29233E-05	4.46817E-05	9.73844E-05	0.000102936	2.64797E-05	9.29233E-05	4.34604E-05	**242**	9.35615E-05
9.23208E-05	9.77771E-05	2.32621E-05	9.30238E-05	4.48773E-05	9.69275E-05	0.000102462	2.62313E-05	9.30238E-05	4.36645E-05	**243**	9.2673E-05
9.40926E-05	9.96513E-05	2.37382E-05	9.57193E-05	4.62775E-05	9.92139E-05	0.000104875	2.69038E-05	9.57193E-05	4.51035E-05	**244**	9.45279E-05
9.9324E-05	0.000105166	2.53881E-05	0.00010136	4.85316E-05	0.000104821	0.000110779	2.87182E-05	0.00010136	4.74078E-05	**245**	9.98579E-05
0.000106478	0.000112714	2.75472E-05	0.000107558	4.93295E-05	0.000111788	0.000118124	3.08586E-05	0.000107558	4.81784E-05	**246**	0.000106983
0.000110728	0.000117126	2.97428E-05	0.000112234	9.53999E-05	0.000116236	0.000122765	3.28488E-05	0.000112234	8.67329E-05	**247**	0.000111171
0.000110367	0.00011668	3.04652E-05	0.000113205	9.50098E-05	0.000116346	0.000122838	3.34351E-05	0.000113205	8.6278E-05	**248**	0.000110773
0.000108979	0.000115198	3.02656E-05	0.000110919	9.55526E-05	0.00011444	0.000120814	3.30336E-05	0.000110919	8.68135E-05	**249**	0.000109349
0.00010636	0.000112412	2.97641E-05	0.000106925	9.53602E-05	0.000111019	0.000117189	3.22183E-05	0.000106925	8.66049E-05	**250**	0.00010666
0.000103892	0.000109792	2.9216E-05	0.00010304	9.47887E-05	0.000107751	0.000113732	3.13623E-05	0.00010304	8.60107E-05	**251**	0.000104095
0.000101284	0.000107051	2.82918E-05	9.98943E-05	8.70993E-05	0.000104816	0.00011065	3.03111E-05	9.98943E-05	7.95622E-05	**252**	0.00010138
9.92207E-05	0.000104871	2.77092E-05	9.7463E-05	8.66877E-05	0.000102494	0.0001082	2.96215E-05	9.7463E-05	7.9142E-05	**253**	9.92773E-05
9.84578E-05	0.000104081	2.72823E-05	9.71081E-05	8.58213E-05	0.000101933	0.000107622	2.92692E-05	9.71081E-05	7.82596E-05	**254**	9.84937E-05
0.000100001	0.000105721	2.76019E-05	9.90371E-05	9.17315E-05	0.000103743	0.00010954	2.97E-05	9.90371E-05	8.28891E-05	**255**	0.000100046
0.000106872	0.000112994	2.93818E-05	0.000105794	9.02717E-05	0.00011087	0.000117074	3.16286E-05	0.000105794	8.13984E-05	**256**	0.000106885
0.00011809	0.000124883	3.21161E-05	0.000116278	8.92344E-05	0.000122278	0.000129148	3.45325E-05	0.000116278	8.03389E-05	**257**	0.000117956
0.000130537	0.000137999	3.60926E-05	0.000126122	8.83749E-05	0.000133914	0.000141401	3.8295E-05	0.000126122	7.94664E-05	**258**	0.000130325
0.000140264	0.000148152	4.04279E-05	0.00013208	7.31148E-05	0.000141959	0.000149782	4.20393E-05	0.00013208	6.67194E-05	**259**	0.000140155
0.000141155	0.000149011	4.17225E-05	0.000131207	6.03623E-05	0.000141859	0.000149603	4.29444E-05	0.000131207	5.65755E-05	**260**	0.000141163
0.000138263	0.000145977	4.06261E-05	0.000126265	5.19877E-05	0.000137923	0.000145454	4.17334E-05	0.000126265	4.94501E-05	**261**	0.000138377
0.000131244	0.000138635	3.77024E-05	0.00011911	4.62748E-05	0.00013072	0.000137901	3.89974E-05	0.00011911	4.50723E-05	**262**	0.000131452
0.000119577	0.000126361	3.37118E-05	0.000110563	4.53921E-05	0.000120184	0.000126825	3.535E-05	0.000110563	4.41761E-05	**263**	0.00011985
0.000109432	0.000115733	2.96803E-05	0.00010398	4.52124E-05	0.000111528	0.000117768	3.18201E-05	0.00010398	4.39981E-05	**264**	0.000109692
9.63006E-05	0.000101923	2.51418E-05	9.45861E-05	4.51106E-05	9.97848E-05	0.000105428	2.77108E-05	9.45861E-05	4.39002E-05	**265**	9.66436E-05
9.32607E-05	9.87582E-05	2.36811E-05	9.29233E-05	4.46817E-05	9.73844E-05	0.000102936	2.64797E-05	9.29233E-05	4.34604E-05	**266**	9.35615E-05
9.23208E-05	9.77771E-05	2.32621E-05	9.30238E-05	4.48773E-05	9.69275E-05	0.000102462	2.62313E-05	9.30238E-05	4.36645E-05	**267**	9.2673E-05
9.40926E-05	9.96513E-05	2.37382E-05	9.57193E-05	4.62775E-05	9.92139E-05	0.000104875	2.69038E-05	9.57193E-05	4.51035E-05	**268**	9.45279E-05
9.9324E-05	0.000105166	2.53881E-05	0.00010136	4.85316E-05	0.000104821	0.000110779	2.87182E-05	0.00010136	4.74078E-05	**269**	9.98579E-05
0.000106478	0.000112714	2.75472E-05	0.000107558	4.93295E-05	0.000111788	0.000118124	3.08586E-05	0.000107558	4.81784E-05	**270**	0.000106983
0.000110728	0.000117126	2.97428E-05	0.000112234	9.53999E-05	0.000116236	0.000122765	3.28488E-05	0.000112234	8.67329E-05	**271**	0.000111171
0.000110367	0.00011668	3.04652E-05	0.000113205	9.50098E-05	0.000116346	0.000122838	3.34351E-05	0.000113205	8.6278E-05	**272**	0.000110773
0.000108979	0.000115198	3.02656E-05	0.000110919	9.55526E-05	0.00011444	0.000120814	3.30336E-05	0.000110919	8.68135E-05	**273**	0.000109349
0.00010636	0.000112412	2.97641E-05	0.000106925	9.53602E-05	0.000111019	0.000117189	3.22183E-05	0.000106925	8.66049E-05	**274**	0.00010666
0.000103892	0.000109792	2.9216E-05	0.00010304	9.47887E-05	0.000107751	0.000113732	3.13623E-05	0.00010304	8.60107E-05	**275**	0.000104095
0.000101284	0.000107051	2.82918E-05	9.98943E-05	8.70993E-05	0.000104816	0.00011065	3.03111E-05	9.98943E-05	7.95622E-05	**276**	0.00010138
9.92207E-05	0.000104871	2.77092E-05	9.7463E-05	8.66877E-05	0.000102494	0.0001082	2.96215E-05	9.7463E-05	7.9142E-05	**277**	9.92773E-05
9.84578E-05	0.000104081	2.72823E-05	9.71081E-05	8.58213E-05	0.000101933	0.000107622	2.92692E-05	9.71081E-05	7.82596E-05	**278**	9.84937E-05
0.000100001	0.000105721	2.76019E-05	9.90371E-05	9.17315E-05	0.000103743	0.00010954	2.97E-05	9.90371E-05	8.28891E-05	**279**	0.000100046
0.000106872	0.000112994	2.93818E-05	0.000105794	9.02717E-05	0.00011087	0.000117074	3.16286E-05	0.000105794	8.13984E-05	**280**	0.000106885
0.00011809	0.000124883	3.21161E-05	0.000116278	8.92344E-05	0.000122278	0.000129148	3.45325E-05	0.000116278	8.03389E-05	**281**	0.000117956
0.000130537	0.000137999	3.60926E-05	0.000126122	8.83749E-05	0.000133914	0.000141401	3.8295E-05	0.000126122	7.94664E-05	**282**	0.000130325
0.000140264	0.000148152	4.04279E-05	0.00013208	7.31148E-05	0.000141959	0.000149782	4.20393E-05	0.00013208	6.67194E-05	**283**	0.000140155
0.000141155	0.000149011	4.17225E-05	0.000131207	6.03623E-05	0.000141859	0.000149603	4.29444E-05	0.000131207	5.65755E-05	**284**	0.000141163
0.000138263	0.000145977	4.06261E-05	0.000126265	5.19877E-05	0.000137923	0.000145454	4.17334E-05	0.000126265	4.94501E-05	**285**	0.000138377
0.000131244	0.000138635	3.77024E-05	0.00011911	4.62748E-05	0.00013072	0.000137901	3.89974E-05	0.00011911	4.50723E-05	**286**	0.000131452
0.000119577	0.000126361	3.37118E-05	0.000110563	4.53921E-05	0.000120184	0.000126825	3.535E-05	0.000110563	4.41761E-05	**287**	0.00011985
0.000109432	0.000115733	2.96803E-05	0.00010398	4.52124E-05	0.000111528	0.000117768	3.18201E-05	0.00010398	4.39981E-05	**288**	0.000109692
9.63006E-05	0.000101923	2.51418E-05	9.45861E-05	4.51106E-05	9.97848E-05	0.000105428	2.77108E-05	9.45861E-05	4.39002E-05	**289**	9.66436E-05
9.32607E-05	9.87582E-05	2.36811E-05	9.29233E-05	4.46817E-05	9.73844E-05	0.000102936	2.64797E-05	9.29233E-05	4.34604E-05	**290**	9.35615E-05
9.23208E-05	9.77771E-05	2.32621E-05	9.30238E-05	4.48773E-05	9.69275E-05	0.000102462	2.62313E-05	9.30238E-05	4.36645E-05	**291**	9.2673E-05
9.40926E-05	9.96513E-05	2.37382E-05	9.57193E-05	4.62775E-05	9.92139E-05	0.000104875	2.69038E-05	9.57193E-05	4.51035E-05	**292**	9.45279E-05
9.9324E-05	0.000105166	2.53881E-05	0.00010136	4.85316E-05	0.000104821	0.000110779	2.87182E-05	0.00010136	4.74078E-05	**293**	9.98579E-05
0.000106478	0.000112714	2.75472E-05	0.000107558	4.93295E-05	0.000111788	0.000118124	3.08586E-05	0.000107558	4.81784E-05	**294**	0.000106983
0.000110728	0.000117126	2.97428E-05	0.000112234	9.53999E-05	0.000116236	0.000122765	3.28488E-05	0.000112234	8.67329E-05	**295**	0.000111171

0.000110367	0.00011668	3.04652E-05	0.000113205	9.50098E-05	0.000116346	0.000122838	3.34351E-05	0.000113205	8.6278E-05	**296**	0.000110773
0.000108979	0.000115198	3.02656E-05	0.000110919	9.55526E-05	0.00011444	0.000120814	3.30336E-05	0.000110919	8.68135E-05	**297**	0.000109349
0.00010636	0.000112412	2.97641E-05	0.000106925	9.53602E-05	0.000111019	0.000117189	3.22183E-05	0.000106925	8.66049E-05	**298**	0.00010666
0.000103892	0.000109792	2.9216E-05	0.00010304	9.47887E-05	0.000107751	0.000113732	3.13623E-05	0.00010304	8.60107E-05	**299**	0.000104095
0.000101284	0.000107051	2.82918E-05	9.98943E-05	8.70993E-05	0.000104816	0.00011065	3.03111E-05	9.98943E-05	7.95622E-05	**300**	0.00010138
9.92207E-05	0.000104871	2.77092E-05	9.7463E-05	8.66877E-05	0.000102494	0.0001082	2.96215E-05	9.7463E-05	7.9142E-05	**301**	9.92773E-05
9.84578E-05	0.000104081	2.72823E-05	9.71081E-05	8.58213E-05	0.000101933	0.000107622	2.92692E-05	9.71081E-05	7.82596E-05	**302**	9.84937E-05
0.000100001	0.000105721	2.76019E-05	9.90371E-05	9.17315E-05	0.000103743	0.00010954	2.97E-05	9.90371E-05	8.28891E-05	**303**	0.000100046
0.000106872	0.000112994	2.93818E-05	0.000105794	9.02717E-05	0.00011087	0.000117074	3.16286E-05	0.000105794	8.13984E-05	**304**	0.000106885
0.00011809	0.000124883	3.21161E-05	0.000116278	8.92344E-05	0.000122278	0.000129148	3.45325E-05	0.000116278	8.03389E-05	**305**	0.000117956
0.000130537	0.000137999	3.60926E-05	0.000126122	8.83749E-05	0.000133914	0.000141401	3.8295E-05	0.000126122	7.94664E-05	**306**	0.000130325
0.000140264	0.000148152	4.04279E-05	0.00013208	7.31148E-05	0.000141959	0.000149782	4.20393E-05	0.00013208	6.67194E-05	**307**	0.000140155
0.000141155	0.000149011	4.17225E-05	0.000131207	6.03623E-05	0.000141859	0.000149603	4.29444E-05	0.000131207	5.65755E-05	**308**	0.000141163
0.000138263	0.000145977	4.06261E-05	0.000126265	5.19877E-05	0.000137923	0.000145454	4.17334E-05	0.000126265	4.94501E-05	**309**	0.000138377
0.000131244	0.000138635	3.77024E-05	0.00011911	4.62748E-05	0.00013072	0.000137901	3.89974E-05	0.00011911	4.50723E-05	**310**	0.000131452
0.000119577	0.000126361	3.37118E-05	0.000110563	4.53921E-05	0.000120184	0.000126825	3.535E-05	0.000110563	4.41761E-05	**311**	0.00011985
0.000109432	0.000115733	2.96803E-05	0.00010398	4.52124E-05	0.000111528	0.000117768	3.18201E-05	0.00010398	4.39981E-05	**312**	0.000109692
9.63006E-05	0.000101923	2.51418E-05	9.45861E-05	4.51106E-05	9.97848E-05	0.000105428	2.77108E-05	9.45861E-05	4.39002E-05	**313**	9.66436E-05
9.32607E-05	9.87582E-05	2.36811E-05	9.29233E-05	4.46817E-05	9.73844E-05	0.000102936	2.64797E-05	9.29233E-05	4.34604E-05	**314**	9.35615E-05
9.23208E-05	9.77771E-05	2.32621E-05	9.30238E-05	4.48773E-05	9.69275E-05	0.000102462	2.62313E-05	9.30238E-05	4.36645E-05	**315**	9.2673E-05
9.40926E-05	9.96513E-05	2.37382E-05	9.57193E-05	4.62775E-05	9.92139E-05	0.000104875	2.69038E-05	9.57193E-05	4.51035E-05	**316**	9.45279E-05
9.9324E-05	0.000105166	2.53881E-05	0.00010136	4.85316E-05	0.000104821	0.000110779	2.87182E-05	0.00010136	4.74078E-05	**317**	9.98579E-05
0.000106478	0.000112714	2.75472E-05	0.000107558	4.93295E-05	0.000111788	0.000118124	3.08586E-05	0.000107558	4.81784E-05	**318**	0.000106983
0.000110728	0.000117126	2.97428E-05	0.000112234	9.53999E-05	0.000116236	0.000122765	3.28488E-05	0.000112234	8.67329E-05	**319**	0.000111171
0.000110367	0.00011668	3.04652E-05	0.000113205	9.50098E-05	0.000116346	0.000122838	3.34351E-05	0.000113205	8.6278E-05	**320**	0.000110773
0.000108979	0.000115198	3.02656E-05	0.000110919	9.55526E-05	0.00011444	0.000120814	3.30336E-05	0.000110919	8.68135E-05	**321**	0.000109349
0.00010636	0.000112412	2.97641E-05	0.000106925	9.53602E-05	0.000111019	0.000117189	3.22183E-05	0.000106925	8.66049E-05	**322**	0.00010666
0.000103892	0.000109792	2.9216E-05	0.00010304	9.47887E-05	0.000107751	0.000113732	3.13623E-05	0.00010304	8.60107E-05	**323**	0.000104095
0.000101284	0.000107051	2.82918E-05	9.98943E-05	8.70993E-05	0.000104816	0.00011065	3.03111E-05	9.98943E-05	7.95622E-05	**324**	0.00010138
9.92207E-05	0.000104871	2.77092E-05	9.7463E-05	8.66877E-05	0.000102494	0.0001082	2.96215E-05	9.7463E-05	7.9142E-05	**325**	9.92773E-05
9.84578E-05	0.000104081	2.72823E-05	9.71081E-05	8.58213E-05	0.000101933	0.000107622	2.92692E-05	9.71081E-05	7.82596E-05	**326**	9.84937E-05
0.000100001	0.000105721	2.76019E-05	9.90371E-05	9.17315E-05	0.000103743	0.00010954	2.97E-05	9.90371E-05	8.28891E-05	**327**	0.000100046
0.000106872	0.000112994	2.93818E-05	0.000105794	9.02717E-05	0.00011087	0.000117074	3.16286E-05	0.000105794	8.13984E-05	**328**	0.000106885
0.00011809	0.000124883	3.21161E-05	0.000116278	8.92344E-05	0.000122278	0.000129148	3.45325E-05	0.000116278	8.03389E-05	**329**	0.000117956
0.000130537	0.000137999	3.60926E-05	0.000126122	8.83749E-05	0.000133914	0.000141401	3.8295E-05	0.000126122	7.94664E-05	**330**	0.000130325
0.000140264	0.000148152	4.04279E-05	0.00013208	7.31148E-05	0.000141959	0.000149782	4.20393E-05	0.00013208	6.67194E-05	**331**	0.000140155
0.000141155	0.000149011	4.17225E-05	0.000131207	6.03623E-05	0.000141859	0.000149603	4.29444E-05	0.000131207	5.65755E-05	**332**	0.000141163
0.000138263	0.000145977	4.06261E-05	0.000126265	5.19877E-05	0.000137923	0.000145454	4.17334E-05	0.000126265	4.94501E-05	**333**	0.000138377
0.000131244	0.000138635	3.77024E-05	0.00011911	4.62748E-05	0.00013072	0.000137901	3.89974E-05	0.00011911	4.50723E-05	**334**	0.000131452
0.000119577	0.000126361	3.37118E-05	0.000110563	4.53921E-05	0.000120184	0.000126825	3.535E-05	0.000110563	4.41761E-05	**335**	0.00011985
0.000109432	0.000115733	2.96803E-05	0.00010398	4.52124E-05	0.000111528	0.000117768	3.18201E-05	0.00010398	4.39981E-05	**336**	0.000109692
9.63006E-05	0.000101923	2.51418E-05	9.45861E-05	4.51106E-05	9.97848E-05	0.000105428	2.77108E-05	9.45861E-05	4.39002E-05	**337**	9.66436E-05
9.32607E-05	9.87582E-05	2.36811E-05	9.29233E-05	4.46817E-05	9.73844E-05	0.000102936	2.64797E-05	9.29233E-05	4.34604E-05	**338**	9.35615E-05
9.23208E-05	9.77771E-05	2.32621E-05	9.30238E-05	4.48773E-05	9.69275E-05	0.000102462	2.62313E-05	9.30238E-05	4.36645E-05	**339**	9.2673E-05
9.40926E-05	9.96513E-05	2.37382E-05	9.57193E-05	4.62775E-05	9.92139E-05	0.000104875	2.69038E-05	9.57193E-05	4.51035E-05	**340**	9.45279E-05
9.9324E-05	0.000105166	2.53881E-05	0.00010136	4.85316E-05	0.000104821	0.000110779	2.87182E-05	0.00010136	4.74078E-05	**341**	9.98579E-05
0.000106478	0.000112714	2.75472E-05	0.000107558	4.93295E-05	0.000111788	0.000118124	3.08586E-05	0.000107558	4.81784E-05	**342**	0.000106983
0.000110728	0.000117126	2.97428E-05	0.000112234	9.53999E-05	0.000116236	0.000122765	3.28488E-05	0.000112234	8.67329E-05	**343**	0.000111171
0.000110367	0.00011668	3.04652E-05	0.000113205	9.50098E-05	0.000116346	0.000122838	3.34351E-05	0.000113205	8.6278E-05	**344**	0.000110773
0.000108979	0.000115198	3.02656E-05	0.000110919	9.55526E-05	0.00011444	0.000120814	3.30336E-05	0.000110919	8.68135E-05	**345**	0.000109349
0.00010636	0.000112412	2.97641E-05	0.000106925	9.53602E-05	0.000111019	0.000117189	3.22183E-05	0.000106925	8.66049E-05	**346**	0.00010666
0.000103892	0.000109792	2.9216E-05	0.00010304	9.47887E-05	0.000107751	0.000113732	3.13623E-05	0.00010304	8.60107E-05	**347**	0.000104095
0.000101284	0.000107051	2.82918E-05	9.98943E-05	8.70993E-05	0.000104816	0.00011065	3.03111E-05	9.98943E-05	7.95622E-05	**348**	0.00010138
9.92207E-05	0.000104871	2.77092E-05	9.7463E-05	8.66877E-05	0.000102494	0.0001082	2.96215E-05	9.7463E-05	7.9142E-05	**349**	9.92773E-05
9.84578E-05	0.000104081	2.72823E-05	9.71081E-05	8.58213E-05	0.000101933	0.000107622	2.92692E-05	9.71081E-05	7.82596E-05	**350**	9.84937E-05
0.000100001	0.000105721	2.76019E-05	9.90371E-05	9.17315E-05	0.000103743	0.00010954	2.97E-05	9.90371E-05	8.28891E-05	**351**	0.000100046
0.000106872	0.000112994	2.93818E-05	0.000105794	9.02717E-05	0.00011087	0.000117074	3.16286E-05	0.000105794	8.13984E-05	**352**	0.000106885
0.00011809	0.000124883	3.21161E-05	0.000116278	8.92344E-05	0.000122278	0.000129148	3.45325E-05	0.000116278	8.03389E-05	**353**	0.000117956
0.000130537	0.000137999	3.60926E-05	0.000126122	8.83749E-05	0.000133914	0.000141401	3.8295E-05	0.000126122	7.94664E-05	**354**	0.000130325
0.000140264	0.000148152	4.04279E-05	0.00013208	7.31148E-05	0.000141959	0.000149782	4.20393E-05	0.00013208	6.67194E-05	**355**	0.000140155
0.000141155	0.000149011	4.17225E-05	0.000131207	6.03623E-05	0.000141859	0.000149603	4.29444E-05	0.000131207	5.65755E-05	**356**	0.000141163
0.000138263	0.000145977	4.06261E-05	0.000126265	5.19877E-05	0.000137923	0.000145454	4.17334E-05	0.000126265	4.94501E-05	**357**	0.000138377
0.000131244	0.000138635	3.77024E-05	0.00011911	4.62748E-05	0.00013072	0.000137901	3.89974E-05	0.00011911	4.50723E-05	**358**	0.000131452
0.000119577	0.000126361	3.37118E-05	0.000110563	4.53921E-05	0.000120184	0.000126825	3.535E-05	0.000110563	4.41761E-05	**359**	0.00011985
0.000109432	0.000115733	2.96803E-05	0.00010398	4.52124E-05	0.000111528	0.000117768	3.18201E-05	0.00010398	4.39981E-05	**360**	0.000109692
9.57944E-05	0.000101388	2.49987E-05	9.39419E-05	4.44345E-05	9.91926E-05	0.000104803	2.75335E-05	9.39419E-05	4.32025E-05	**361**	9.61232E-05
9.3795E-05	9.9324E-05	2.38173E-05	9.35258E-05	4.49664E-05	9.79755E-05	0.000103561	2.66406E-05	9.35258E-05	4.37531E-05	**362**	9.40997E-05
9.27887E-05	9.82734E-05	2.33715E-05	9.35001E-05	4.50936E-05	9.74227E-05	0.000102987	2.63548E-05	9.35001E-05	4.38867E-05	**363**	9.31372E-05
9.47027E-05	0.000100298	2.38902E-05	9.63892E-05	4.65839E-05	9.9881E-05	0.000105581	2.70814E-05	9.63892E-05	4.54184E-05	**364**	9.514E-05
0.000100038	0.000105923	2.55637E-05	0.000102132	4.89443E-05	0.000105597	0.0001116	2.89219E-05	0.000102132	4.78314E-05	**365**	0.000100573
0.000107147	0.000113423	2.77125E-05	0.000108285	4.97922E-05	0.000112516	0.000118895	3.10509E-05	0.000108285	4.8653E-05	**366**	0.000107653
0.000112952	0.000119507	2.99935E-05	0.000113205	9.60172E-05	0.000118024	0.000124671	3.31256E-05	0.000113205	8.73656E-05	**367**	0.000113399
0.000111193	0.000117555	3.0681E-05	0.000114164	9.57604E-05	0.000117272	0.000123816	3.36932E-05	0.000114164	8.70459E-05	**368**	0.000111609
0.000109857	0.000116128	3.04896E-05	0.00011191	9.63593E-05	0.000115412	0.000121841	3.32984E-05	0.00011191	8.76383E-05	**369**	0.000110234
0.000107073	0.000113166	2.99634E-05	0.00010782	9.60977E-05	0.000111848	0.000118063	3.24638E-05	0.00010782	8.73576E-05	**370**	0.000107392
0.000104477	0.000110409	2.93927E-05	0.000103844	9.56401E-05	0.000108461	0.00011448	3.15873E-05	0.000103844	8.68793E-05	**371**	0.000104704

0.000101884	0.000107684	2.84689E-05	0.000100696	8.78842E-05	0.000105535	0.000111407	3.05344E-05	0.000100696	8.03616E-05	**372**	0.000102002
9.98356E-05	0.00010552	2.78964E-05	9.83147E-05	8.7461E-05	0.000103244	0.00010899	2.98605E-05	9.83147E-05	7.99285E-05	**373**	9.99193E-05
9.90116E-05	0.000104666	2.74499E-05	9.787E-05	8.65776E-05	0.000102606	0.000108331	2.94827E-05	9.787E-05	7.90295E-05	**374**	9.9071E-05
0.000100619	0.000106373	2.77868E-05	9.98755E-05	9.24412E-05	0.000104489	0.000110326	2.99342E-05	9.98755E-05	8.36118E-05	**375**	0.000100689
0.000107569	0.000113731	2.95767E-05	0.00010667	9.08457E-05	0.00011168	0.000117929	3.18691E-05	0.00010667	8.19824E-05	**376**	0.0001076
0.000118989	0.000125835	3.234E-05	0.000117265	8.97153E-05	0.000123261	0.000130187	3.47941E-05	0.000117265	8.08282E-05	**377**	0.000118857
0.000131607	0.000139133	3.63534E-05	0.000127267	8.88309E-05	0.000135071	0.000142624	3.85963E-05	0.000127267	7.99313E-05	**378**	0.000131394
0.000141414	0.000149371	4.07075E-05	0.000133307	7.35526E-05	0.000143201	0.000151096	4.23617E-05	0.000133307	6.71665E-05	**379**	0.000141304
0.000142283	0.000150207	4.19925E-05	0.000132388	6.07868E-05	0.000143067	0.000150882	4.32534E-05	0.000132388	5.70098E-05	**380**	0.000142287
0.000137684	0.000145341	4.07717E-05	0.000127029	5.2403E-05	0.000137903	0.000145419	4.19113E-05	0.000127029	4.98752E-05	**381**	0.000137791
0.000131966	0.0001394	3.78884E-05	0.000119934	4.66541E-05	0.000131524	0.000138751	3.92183E-05	0.000119934	4.54619E-05	**382**	0.000132181
0.000120236	0.000127058	3.38828E-05	0.000111322	4.56843E-05	0.00012092	0.000127603	3.55539E-05	0.000111322	4.44774E-05	**383**	0.000120517
0.000109949	0.000116281	2.981E-05	0.000104552	4.53682E-05	0.000112095	0.000118368	3.19721E-05	0.000104552	4.41592E-05	**384**	0.000110212
9.57944E-05	0.000101388	2.49987E-05	9.39419E-05	4.44345E-05	9.91926E-05	0.000104803	2.75335E-05	9.39419E-05	4.32025E-05	**385**	9.61232E-05
9.3795E-05	9.9324E-05	2.38173E-05	9.35258E-05	4.49664E-05	9.79755E-05	0.000103561	2.66406E-05	9.35258E-05	4.37531E-05	**386**	9.40997E-05
9.27887E-05	9.82734E-05	2.33715E-05	9.35001E-05	4.50936E-05	9.74227E-05	0.000102987	2.63548E-05	9.35001E-05	4.38867E-05	**387**	9.31372E-05
9.47027E-05	0.000100298	2.38902E-05	9.63892E-05	4.65839E-05	9.9881E-05	0.000105581	2.70814E-05	9.63892E-05	4.54184E-05	**388**	9.514E-05
0.000100038	0.000105923	2.55637E-05	0.000102132	4.89443E-05	0.000105597	0.0001116	2.89219E-05	0.000102132	4.78314E-05	**389**	0.000100573
0.000107147	0.000113423	2.77125E-05	0.000108285	4.97922E-05	0.000112516	0.000118895	3.10509E-05	0.000108285	4.8653E-05	**390**	0.000107653
0.000112952	0.000119507	2.99935E-05	0.000113205	9.60172E-05	0.000118024	0.000124671	3.31256E-05	0.000113205	8.73656E-05	**391**	0.000113399
0.000111193	0.000117555	3.0681E-05	0.000114164	9.57604E-05	0.000117272	0.000123816	3.36932E-05	0.000114164	8.70459E-05	**392**	0.000111609
0.000109857	0.000116128	3.04896E-05	0.00011191	9.63593E-05	0.000115412	0.000121841	3.32984E-05	0.00011191	8.76383E-05	**393**	0.000110234
0.000107073	0.000113166	2.99634E-05	0.00010782	9.60977E-05	0.000111848	0.000118063	3.24638E-05	0.00010782	8.73576E-05	**394**	0.000107392
0.000104477	0.000110409	2.93927E-05	0.000103844	9.56401E-05	0.000108461	0.00011448	3.15873E-05	0.000103844	8.68793E-05	**395**	0.000104704
0.000101884	0.000107684	2.84689E-05	0.000100696	8.78842E-05	0.000105535	0.000111407	3.05344E-05	0.000100696	8.03616E-05	**396**	0.000102002
9.98356E-05	0.00010552	2.78964E-05	9.83147E-05	8.7461E-05	0.000103244	0.00010899	2.98605E-05	9.83147E-05	7.99285E-05	**397**	9.99193E-05
9.90116E-05	0.000104666	2.74499E-05	9.787E-05	8.65776E-05	0.000102606	0.000108331	2.94827E-05	9.787E-05	7.90295E-05	**398**	9.9071E-05
0.000100619	0.000106373	2.77868E-05	9.98755E-05	9.24412E-05	0.000104489	0.000110326	2.99342E-05	9.98755E-05	8.36118E-05	**399**	0.000100689
0.000107569	0.000113731	2.95767E-05	0.00010667	9.08457E-05	0.00011168	0.000117929	3.18691E-05	0.00010667	8.19824E-05	**400**	0.0001076
0.000118989	0.000125835	3.234E-05	0.000117265	8.97153E-05	0.000123261	0.000130187	3.47941E-05	0.000117265	8.08282E-05	**401**	0.000118857
0.000131607	0.000139133	3.63534E-05	0.000127267	8.88309E-05	0.000135071	0.000142624	3.85963E-05	0.000127267	7.99313E-05	**402**	0.000131394
0.000141414	0.000149371	4.07075E-05	0.000133307	7.35526E-05	0.000143201	0.000151096	4.23617E-05	0.000133307	6.71665E-05	**403**	0.000141304
0.000142283	0.000150207	4.19925E-05	0.000132388	6.07868E-05	0.000143067	0.000150882	4.32534E-05	0.000132388	5.70098E-05	**404**	0.000142287
0.000137684	0.000145341	4.07717E-05	0.000127029	5.2403E-05	0.000137903	0.000145419	4.19113E-05	0.000127029	4.98752E-05	**405**	0.000137791
0.000131966	0.0001394	3.78884E-05	0.000119934	4.66541E-05	0.000131524	0.000138751	3.92183E-05	0.000119934	4.54619E-05	**406**	0.000132181
0.000120236	0.000127058	3.38828E-05	0.000111322	4.56843E-05	0.00012092	0.000127603	3.55539E-05	0.000111322	4.44774E-05	**407**	0.000120517
0.000109949	0.000116281	2.981E-05	0.000104552	4.53682E-05	0.000112095	0.000118368	3.19721E-05	0.000104552	4.41592E-05	**408**	0.000110212
9.57944E-05	0.000101388	2.49987E-05	9.39419E-05	4.44345E-05	9.91926E-05	0.000104803	2.75335E-05	9.39419E-05	4.32025E-05	**409**	9.61232E-05
9.3795E-05	9.9324E-05	2.38173E-05	9.35258E-05	4.49664E-05	9.79755E-05	0.000103561	2.66406E-05	9.35258E-05	4.37531E-05	**410**	9.40997E-05
9.27887E-05	9.82734E-05	2.33715E-05	9.35001E-05	4.50936E-05	9.74227E-05	0.000102987	2.63548E-05	9.35001E-05	4.38867E-05	**411**	9.31372E-05
9.47027E-05	0.000100298	2.38902E-05	9.63892E-05	4.65839E-05	9.9881E-05	0.000105581	2.70814E-05	9.63892E-05	4.54184E-05	**412**	9.514E-05
0.000100038	0.000105923	2.55637E-05	0.000102132	4.89443E-05	0.000105597	0.0001116	2.89219E-05	0.000102132	4.78314E-05	**413**	0.000100573
0.000107147	0.000113423	2.77125E-05	0.000108285	4.97922E-05	0.000112516	0.000118895	3.10509E-05	0.000108285	4.8653E-05	**414**	0.000107653
0.000112952	0.000119507	2.99935E-05	0.000113205	9.60172E-05	0.000118024	0.000124671	3.31256E-05	0.000113205	8.73656E-05	**415**	0.000113399
0.000111193	0.000117555	3.0681E-05	0.000114164	9.57604E-05	0.000117272	0.000123816	3.36932E-05	0.000114164	8.70459E-05	**416**	0.000111609
0.000109857	0.000116128	3.04896E-05	0.00011191	9.63593E-05	0.000115412	0.000121841	3.32984E-05	0.00011191	8.76383E-05	**417**	0.000110234
0.000107073	0.000113166	2.99634E-05	0.00010782	9.60977E-05	0.000111848	0.000118063	3.24638E-05	0.00010782	8.73576E-05	**418**	0.000107392
0.000104477	0.000110409	2.93927E-05	0.000103844	9.56401E-05	0.000108461	0.00011448	3.15873E-05	0.000103844	8.68793E-05	**419**	0.000104704
0.000101884	0.000107684	2.84689E-05	0.000100696	8.78842E-05	0.000105535	0.000111407	3.05344E-05	0.000100696	8.03616E-05	**420**	0.000102002
9.98356E-05	0.00010552	2.78964E-05	9.83147E-05	8.7461E-05	0.000103244	0.00010899	2.98605E-05	9.83147E-05	7.99285E-05	**421**	9.99193E-05
9.90116E-05	0.000104666	2.74499E-05	9.787E-05	8.65776E-05	0.000102606	0.000108331	2.94827E-05	9.787E-05	7.90295E-05	**422**	9.9071E-05
0.000100619	0.000106373	2.77868E-05	9.98755E-05	9.24412E-05	0.000104489	0.000110326	2.99342E-05	9.98755E-05	8.36118E-05	**423**	0.000100689
0.000107569	0.000113731	2.95767E-05	0.00010667	9.08457E-05	0.00011168	0.000117929	3.18691E-05	0.00010667	8.19824E-05	**424**	0.0001076
0.000118989	0.000125835	3.234E-05	0.000117265	8.97153E-05	0.000123261	0.000130187	3.47941E-05	0.000117265	8.08282E-05	**425**	0.000118857
0.000131607	0.000139133	3.63534E-05	0.000127267	8.88309E-05	0.000135071	0.000142624	3.85963E-05	0.000127267	7.99313E-05	**426**	0.000131394
0.000141414	0.000149371	4.07075E-05	0.000133307	7.35526E-05	0.000143201	0.000151096	4.23617E-05	0.000133307	6.71665E-05	**427**	0.000141304
0.000142283	0.000150207	4.19925E-05	0.000132388	6.07868E-05	0.000143067	0.000150882	4.32534E-05	0.000132388	5.70098E-05	**428**	0.000142287
0.000137684	0.000145341	4.07717E-05	0.000127029	5.2403E-05	0.000137903	0.000145419	4.19113E-05	0.000127029	4.98752E-05	**429**	0.000137791
0.000131966	0.0001394	3.78884E-05	0.000119934	4.66541E-05	0.000131524	0.000138751	3.92183E-05	0.000119934	4.54619E-05	**430**	0.000132181
0.000120236	0.000127058	3.38828E-05	0.000111322	4.56843E-05	0.00012092	0.000127603	3.55539E-05	0.000111322	4.44774E-05	**431**	0.000120517
0.000109949	0.000116281	2.981E-05	0.000104552	4.53682E-05	0.000112095	0.000118368	3.19721E-05	0.000104552	4.41592E-05	**432**	0.000110212
9.63006E-05	0.000101923	2.51418E-05	9.45861E-05	4.51106E-05	9.97848E-05	0.000105428	2.77108E-05	9.45861E-05	4.39002E-05	**433**	9.66436E-05
9.32607E-05	9.87582E-05	2.36811E-05	9.29233E-05	4.46817E-05	9.73844E-05	0.000102936	2.64797E-05	9.29233E-05	4.34604E-05	**434**	9.35615E-05
9.23208E-05	9.77771E-05	2.32621E-05	9.30238E-05	4.48773E-05	9.69275E-05	0.000102462	2.62313E-05	9.30238E-05	4.36645E-05	**435**	9.2673E-05
9.40926E-05	9.96513E-05	2.37382E-05	9.57193E-05	4.62775E-05	9.92139E-05	0.000104875	2.69038E-05	9.57193E-05	4.51035E-05	**436**	9.45279E-05
9.9324E-05	0.000105166	2.53881E-05	0.00010136	4.85316E-05	0.000104821	0.000110779	2.87182E-05	0.00010136	4.74078E-05	**437**	9.98579E-05
0.000106478	0.000112714	2.75472E-05	0.000107558	4.93295E-05	0.000111788	0.000118124	3.08586E-05	0.000107558	4.81784E-05	**438**	0.000106983
0.000110728	0.000117126	2.97428E-05	0.000112234	9.53999E-05	0.000116236	0.000122765	3.28488E-05	0.000112234	8.67329E-05	**439**	0.000111171
0.000110367	0.00011668	3.04652E-05	0.000113205	9.50098E-05	0.000116346	0.000122838	3.34351E-05	0.000113205	8.6278E-05	**440**	0.000110773
0.000108979	0.000115198	3.02656E-05	0.000110919	9.55526E-05	0.00011444	0.000120814	3.30336E-05	0.000110919	8.68135E-05	**441**	0.000109349
0.00010636	0.000112412	2.97641E-05	0.000106925	9.53602E-05	0.000111019	0.000117189	3.22183E-05	0.000106925	8.66049E-05	**442**	0.00010666
0.000103892	0.000109792	2.9216E-05	0.00010304	9.47887E-05	0.000107751	0.000113732	3.13623E-05	0.00010304	8.60107E-05	**443**	0.000104095
0.000101284	0.000107051	2.82918E-05	9.98943E-05	8.70993E-05	0.000104816	0.00011065	3.03111E-05	9.98943E-05	7.95622E-05	**444**	0.00010138
9.92207E-05	0.000104871	2.77092E-05	9.7463E-05	8.66877E-05	0.000102494	0.0001082	2.96215E-05	9.7463E-05	7.9142E-05	**445**	9.92773E-05
9.84578E-05	0.000104081	2.72823E-05	9.71081E-05	8.58213E-05	0.000101933	0.000107622	2.92692E-05	9.71081E-05	7.82596E-05	**446**	9.84937E-05
0.000100001	0.000105721	2.76019E-05	9.90371E-05	9.17315E-05	0.000103743	0.00010954	2.97E-05	9.90371E-05	8.28891E-05	**447**	0.000100046

0.000106872	0.000112994	2.93818E-05	0.000105794	9.02717E-05	0.00011087	0.000117074	3.16286E-05	0.000105794	8.13984E-05	**448**	0.000106885
0.00011809	0.000124883	3.21161E-05	0.000116278	8.92344E-05	0.000122278	0.000129148	3.45325E-05	0.000116278	8.03389E-05	**449**	0.000117956
0.000130537	0.000137999	3.60926E-05	0.000126122	8.83749E-05	0.000133914	0.000141401	3.8295E-05	0.000126122	7.94664E-05	**450**	0.000130325
0.000140264	0.000148152	4.04279E-05	0.00013208	7.31148E-05	0.000141959	0.000149782	4.20393E-05	0.00013208	6.67194E-05	**451**	0.000140155
0.000141155	0.000149011	4.17225E-05	0.000131207	6.03623E-05	0.000141859	0.000149603	4.29444E-05	0.000131207	5.65755E-05	**452**	0.000141163
0.000138263	0.000145977	4.06261E-05	0.000126265	5.19877E-05	0.000137923	0.000145454	4.17334E-05	0.000126265	4.94501E-05	**453**	0.000138377
0.000131244	0.000138635	3.77024E-05	0.00011911	4.62748E-05	0.00013072	0.000137901	3.89974E-05	0.00011911	4.50723E-05	**454**	0.000131452
0.000119577	0.000126361	3.37118E-05	0.000110563	4.53921E-05	0.000120184	0.000126825	3.535E-05	0.000110563	4.41761E-05	**455**	0.00011985
0.000109432	0.000115733	2.96803E-05	0.00010398	4.52124E-05	0.000111528	0.000117768	3.18201E-05	0.00010398	4.39981E-05	**456**	0.000109692
9.63006E-05	0.000101923	2.51418E-05	9.45861E-05	4.51106E-05	9.97848E-05	0.000105428	2.77108E-05	9.45861E-05	4.39002E-05	**457**	9.66436E-05
9.32607E-05	9.87582E-05	2.36811E-05	9.29233E-05	4.46817E-05	9.73844E-05	0.000102936	2.64797E-05	9.29233E-05	4.34604E-05	**458**	9.35615E-05
9.23208E-05	9.77771E-05	2.32621E-05	9.30238E-05	4.48773E-05	9.69275E-05	0.000102462	2.62313E-05	9.30238E-05	4.36645E-05	**459**	9.2673E-05
9.40926E-05	9.96513E-05	2.37382E-05	9.57193E-05	4.62775E-05	9.92139E-05	0.000104875	2.69038E-05	9.57193E-05	4.51035E-05	**460**	9.45279E-05
9.9324E-05	0.000105166	2.53881E-05	0.00010136	4.85316E-05	0.000104821	0.000110779	2.87182E-05	0.00010136	4.74078E-05	**461**	9.98579E-05
0.000106478	0.000112714	2.75472E-05	0.000107558	4.93295E-05	0.000111788	0.000118124	3.08586E-05	0.000107558	4.81784E-05	**462**	0.000106983
0.000110728	0.000117126	2.97428E-05	0.000112234	9.53999E-05	0.000116236	0.000122765	3.28488E-05	0.000112234	8.67329E-05	**463**	0.000111171
0.000110367	0.00011668	3.04652E-05	0.000113205	9.50098E-05	0.000116346	0.000122838	3.34351E-05	0.000113205	8.6278E-05	**464**	0.000110773
0.000108979	0.000115198	3.02656E-05	0.000110919	9.55526E-05	0.00011444	0.000120814	3.30336E-05	0.000110919	8.68135E-05	**465**	0.000109349
0.00010636	0.000112412	2.97641E-05	0.000106925	9.53602E-05	0.000111019	0.000117189	3.22183E-05	0.000106925	8.66049E-05	**466**	0.00010666
0.000103892	0.000109792	2.9216E-05	0.00010304	9.47887E-05	0.000107751	0.000113732	3.13623E-05	0.00010304	8.60107E-05	**467**	0.000104095
0.000101284	0.000107051	2.82918E-05	9.98943E-05	8.70993E-05	0.000104816	0.00011065	3.03111E-05	9.98943E-05	7.95622E-05	**468**	0.00010138
9.92207E-05	0.000104871	2.77092E-05	9.7463E-05	8.66877E-05	0.000102494	0.0001082	2.96215E-05	9.7463E-05	7.9142E-05	**469**	9.92773E-05
9.84578E-05	0.000104081	2.72823E-05	9.71081E-05	8.58213E-05	0.000101933	0.000107622	2.92692E-05	9.71081E-05	7.82596E-05	**470**	9.84937E-05
0.000100001	0.000105721	2.76019E-05	9.90371E-05	9.17315E-05	0.000103743	0.00010954	2.97E-05	9.90371E-05	8.28891E-05	**471**	0.000100046
0.000106872	0.000112994	2.93818E-05	0.000105794	9.02717E-05	0.00011087	0.000117074	3.16286E-05	0.000105794	8.13984E-05	**472**	0.000106885
0.00011809	0.000124883	3.21161E-05	0.000116278	8.92344E-05	0.000122278	0.000129148	3.45325E-05	0.000116278	8.03389E-05	**473**	0.000117956
0.000130537	0.000137999	3.60926E-05	0.000126122	8.83749E-05	0.000133914	0.000141401	3.8295E-05	0.000126122	7.94664E-05	**474**	0.000130325
0.000140264	0.000148152	4.04279E-05	0.00013208	7.31148E-05	0.000141959	0.000149782	4.20393E-05	0.00013208	6.67194E-05	**475**	0.000140155
0.000141155	0.000149011	4.17225E-05	0.000131207	6.03623E-05	0.000141859	0.000149603	4.29444E-05	0.000131207	5.65755E-05	**476**	0.000141163
0.000138263	0.000145977	4.06261E-05	0.000126265	5.19877E-05	0.000137923	0.000145454	4.17334E-05	0.000126265	4.94501E-05	**477**	0.000138377
0.000131244	0.000138635	3.77024E-05	0.00011911	4.62748E-05	0.00013072	0.000137901	3.89974E-05	0.00011911	4.50723E-05	**478**	0.000131452
0.000119577	0.000126361	3.37118E-05	0.000110563	4.53921E-05	0.000120184	0.000126825	3.535E-05	0.000110563	4.41761E-05	**479**	0.00011985
0.000109432	0.000115733	2.96803E-05	0.00010398	4.52124E-05	0.000111528	0.000117768	3.18201E-05	0.00010398	4.39981E-05	**480**	0.000109692
9.63006E-05	0.000101923	2.51418E-05	9.45861E-05	4.51106E-05	9.97848E-05	0.000105428	2.77108E-05	9.45861E-05	4.39002E-05	**481**	9.66436E-05
9.32607E-05	9.87582E-05	2.36811E-05	9.29233E-05	4.46817E-05	9.73844E-05	0.000102936	2.64797E-05	9.29233E-05	4.34604E-05	**482**	9.35615E-05
9.23208E-05	9.77771E-05	2.32621E-05	9.30238E-05	4.48773E-05	9.69275E-05	0.000102462	2.62313E-05	9.30238E-05	4.36645E-05	**483**	9.2673E-05
9.40926E-05	9.96513E-05	2.37382E-05	9.57193E-05	4.62775E-05	9.92139E-05	0.000104875	2.69038E-05	9.57193E-05	4.51035E-05	**484**	9.45279E-05
9.9324E-05	0.000105166	2.53881E-05	0.00010136	4.85316E-05	0.000104821	0.000110779	2.87182E-05	0.00010136	4.74078E-05	**485**	9.98579E-05
0.000106478	0.000112714	2.75472E-05	0.000107558	4.93295E-05	0.000111788	0.000118124	3.08586E-05	0.000107558	4.81784E-05	**486**	0.000106983
0.000110728	0.000117126	2.97428E-05	0.000112234	9.53999E-05	0.000116236	0.000122765	3.28488E-05	0.000112234	8.67329E-05	**487**	0.000111171
0.000110367	0.00011668	3.04652E-05	0.000113205	9.50098E-05	0.000116346	0.000122838	3.34351E-05	0.000113205	8.6278E-05	**488**	0.000110773
0.000108979	0.000115198	3.02656E-05	0.000110919	9.55526E-05	0.00011444	0.000120814	3.30336E-05	0.000110919	8.68135E-05	**489**	0.000109349
0.00010636	0.000112412	2.97641E-05	0.000106925	9.53602E-05	0.000111019	0.000117189	3.22183E-05	0.000106925	8.66049E-05	**490**	0.00010666
0.000103892	0.000109792	2.9216E-05	0.00010304	9.47887E-05	0.000107751	0.000113732	3.13623E-05	0.00010304	8.60107E-05	**491**	0.000104095
0.000101284	0.000107051	2.82918E-05	9.98943E-05	8.70993E-05	0.000104816	0.00011065	3.03111E-05	9.98943E-05	7.95622E-05	**492**	0.00010138
9.92207E-05	0.000104871	2.77092E-05	9.7463E-05	8.66877E-05	0.000102494	0.0001082	2.96215E-05	9.7463E-05	7.9142E-05	**493**	9.92773E-05
9.84578E-05	0.000104081	2.72823E-05	9.71081E-05	8.58213E-05	0.000101933	0.000107622	2.92692E-05	9.71081E-05	7.82596E-05	**494**	9.84937E-05
0.000100001	0.000105721	2.76019E-05	9.90371E-05	9.17315E-05	0.000103743	0.00010954	2.97E-05	9.90371E-05	8.28891E-05	**495**	0.000100046
0.000106872	0.000112994	2.93818E-05	0.000105794	9.02717E-05	0.00011087	0.000117074	3.16286E-05	0.000105794	8.13984E-05	**496**	0.000106885
0.00011809	0.000124883	3.21161E-05	0.000116278	8.92344E-05	0.000122278	0.000129148	3.45325E-05	0.000116278	8.03389E-05	**497**	0.000117956
0.000130537	0.000137999	3.60926E-05	0.000126122	8.83749E-05	0.000133914	0.000141401	3.8295E-05	0.000126122	7.94664E-05	**498**	0.000130325
0.000140264	0.000148152	4.04279E-05	0.00013208	7.31148E-05	0.000141959	0.000149782	4.20393E-05	0.00013208	6.67194E-05	**499**	0.000140155
0.000141155	0.000149011	4.17225E-05	0.000131207	6.03623E-05	0.000141859	0.000149603	4.29444E-05	0.000131207	5.65755E-05	**500**	0.000141163
0.000138263	0.000145977	4.06261E-05	0.000126265	5.19877E-05	0.000137923	0.000145454	4.17334E-05	0.000126265	4.94501E-05	**501**	0.000138377
0.000131244	0.000138635	3.77024E-05	0.00011911	4.62748E-05	0.00013072	0.000137901	3.89974E-05	0.00011911	4.50723E-05	**502**	0.000131452
0.000119577	0.000126361	3.37118E-05	0.000110563	4.53921E-05	0.000120184	0.000126825	3.535E-05	0.000110563	4.41761E-05	**503**	0.00011985
0.000109432	0.000115733	2.96803E-05	0.00010398	4.52124E-05	0.000111528	0.000117768	3.18201E-05	0.00010398	4.39981E-05	**504**	0.000109692
9.63006E-05	0.000101923	2.51418E-05	9.45861E-05	4.51106E-05	9.97848E-05	0.000105428	2.77108E-05	9.45861E-05	4.39002E-05	**505**	9.66436E-05
9.32607E-05	9.87582E-05	2.36811E-05	9.29233E-05	4.46817E-05	9.73844E-05	0.000102936	2.64797E-05	9.29233E-05	4.34604E-05	**506**	9.35615E-05
9.23208E-05	9.77771E-05	2.32621E-05	9.30238E-05	4.48773E-05	9.69275E-05	0.000102462	2.62313E-05	9.30238E-05	4.36645E-05	**507**	9.2673E-05
9.40926E-05	9.96513E-05	2.37382E-05	9.57193E-05	4.62775E-05	9.92139E-05	0.000104875	2.69038E-05	9.57193E-05	4.51035E-05	**508**	9.45279E-05
9.9324E-05	0.000105166	2.53881E-05	0.00010136	4.85316E-05	0.000104821	0.000110779	2.87182E-05	0.00010136	4.74078E-05	**509**	9.98579E-05
0.000106478	0.000112714	2.75472E-05	0.000107558	4.93295E-05	0.000111788	0.000118124	3.08586E-05	0.000107558	4.81784E-05	**510**	0.000106983
0.000110728	0.000117126	2.97428E-05	0.000112234	9.53999E-05	0.000116236	0.000122765	3.28488E-05	0.000112234	8.67329E-05	**511**	0.000111171
0.000110367	0.00011668	3.04652E-05	0.000113205	9.50098E-05	0.000116346	0.000122838	3.34351E-05	0.000113205	8.6278E-05	**512**	0.000110773
0.000108979	0.000115198	3.02656E-05	0.000110919	9.55526E-05	0.00011444	0.000120814	3.30336E-05	0.000110919	8.68135E-05	**513**	0.000109349
0.00010636	0.000112412	2.97641E-05	0.000106925	9.53602E-05	0.000111019	0.000117189	3.22183E-05	0.000106925	8.66049E-05	**514**	0.00010666
0.000103892	0.000109792	2.9216E-05	0.00010304	9.47887E-05	0.000107751	0.000113732	3.13623E-05	0.00010304	8.60107E-05	**515**	0.000104095
0.000101284	0.000107051	2.82918E-05	9.98943E-05	8.70993E-05	0.000104816	0.00011065	3.03111E-05	9.98943E-05	7.95622E-05	**516**	0.00010138
9.92207E-05	0.000104871	2.77092E-05	9.7463E-05	8.66877E-05	0.000102494	0.0001082	2.96215E-05	9.7463E-05	7.9142E-05	**517**	9.92773E-05
9.84578E-05	0.000104081	2.72823E-05	9.71081E-05	8.58213E-05	0.000101933	0.000107622	2.92692E-05	9.71081E-05	7.82596E-05	**518**	9.84937E-05
0.000100001	0.000105721	2.76019E-05	9.90371E-05	9.17315E-05	0.000103743	0.00010954	2.97E-05	9.90371E-05	8.28891E-05	**519**	0.000100046
0.000106872	0.000112994	2.93818E-05	0.000105794	9.02717E-05	0.00011087	0.000117074	3.16286E-05	0.000105794	8.13984E-05	**520**	0.000106885
0.00011809	0.000124883	3.21161E-05	0.000116278	8.92344E-05	0.000122278	0.000129148	3.45325E-05	0.000116278	8.03389E-05	**521**	0.000117956
0.000130537	0.000137999	3.60926E-05	0.000126122	8.83749E-05	0.000133914	0.000141401	3.8295E-05	0.000126122	7.94664E-05	**522**	0.000130325
0.000140264	0.000148152	4.04279E-05	0.00013208	7.31148E-05	0.000141959	0.000149782	4.20393E-05	0.00013208	6.67194E-05	**523**	0.000140155

0.000141155	0.000149011	4.17225E-05	0.000131207	6.03623E-05	0.000141859	0.000149603	4.29444E-05	0.000131207	5.65755E-05	**524**	0.000141163
0.000138263	0.000145977	4.06261E-05	0.000126265	5.19877E-05	0.000137923	0.000145454	4.17334E-05	0.000126265	4.94501E-05	**525**	0.000138377
0.000131244	0.000138635	3.77024E-05	0.00011911	4.62748E-05	0.00013072	0.000137901	3.89974E-05	0.00011911	4.50723E-05	**526**	0.000131452
0.000119577	0.000126361	3.37118E-05	0.000110563	4.53921E-05	0.000120184	0.000126825	3.535E-05	0.000110563	4.41761E-05	**527**	0.00011985
0.000109432	0.000115733	2.96803E-05	0.00010398	4.52124E-05	0.000111528	0.000117768	3.18201E-05	0.00010398	4.39981E-05	**528**	0.000109692
9.57944E-05	0.000101388	2.49987E-05	9.39419E-05	4.44345E-05	9.91926E-05	0.000104803	2.75335E-05	9.39419E-05	4.32025E-05	**529**	9.61232E-05
9.3795E-05	9.9324E-05	2.38173E-05	9.35258E-05	4.49664E-05	9.79755E-05	0.000103561	2.66406E-05	9.35258E-05	4.37531E-05	**530**	9.40997E-05
9.27887E-05	9.82734E-05	2.33715E-05	9.35001E-05	4.50936E-05	9.74227E-05	0.000102987	2.63548E-05	9.35001E-05	4.38867E-05	**531**	9.31372E-05
9.47027E-05	0.000100298	2.38902E-05	9.63892E-05	4.65839E-05	9.9881E-05	0.000105581	2.70814E-05	9.63892E-05	4.54184E-05	**532**	9.514E-05
0.000100038	0.000105923	2.55637E-05	0.000102132	4.89443E-05	0.000105597	0.0001116	2.89219E-05	0.000102132	4.78314E-05	**533**	0.000100573
0.000107147	0.000113423	2.77125E-05	0.000108285	4.97922E-05	0.000112516	0.000118895	3.10509E-05	0.000108285	4.8653E-05	**534**	0.000107653
0.000112952	0.000119507	2.99935E-05	0.000113205	9.60172E-05	0.000118024	0.000124671	3.31256E-05	0.000113205	8.73656E-05	**535**	0.000113399
0.000111193	0.000117555	3.0681E-05	0.000114164	9.57604E-05	0.000117272	0.000123816	3.36932E-05	0.000114164	8.70459E-05	**536**	0.000111609
0.000109857	0.000116128	3.04896E-05	0.00011191	9.63593E-05	0.000115412	0.000121841	3.32984E-05	0.00011191	8.76383E-05	**537**	0.000110234
0.000107073	0.000113166	2.99634E-05	0.00010782	9.60977E-05	0.000111848	0.000118063	3.24638E-05	0.00010782	8.73576E-05	**538**	0.000107392
0.000104477	0.000110409	2.93927E-05	0.000103844	9.56401E-05	0.000108461	0.00011448	3.15873E-05	0.000103844	8.68793E-05	**539**	0.000104704
0.000101884	0.000107684	2.84689E-05	0.000100696	8.78842E-05	0.000105535	0.000111407	3.05344E-05	0.000100696	8.03616E-05	**540**	0.000102002
9.98356E-05	0.00010552	2.78964E-05	9.83147E-05	8.7461E-05	0.000103244	0.00010899	2.98605E-05	9.83147E-05	7.99285E-05	**541**	9.99193E-05
9.90116E-05	0.000104666	2.74499E-05	9.787E-05	8.65776E-05	0.000102606	0.000108331	2.94827E-05	9.787E-05	7.90295E-05	**542**	9.9071E-05
0.000100619	0.000106373	2.77868E-05	9.98755E-05	9.24412E-05	0.000104489	0.000110326	2.99342E-05	9.98755E-05	8.36118E-05	**543**	0.000100689
0.000107569	0.000113731	2.95767E-05	0.00010667	9.08457E-05	0.00011168	0.000117929	3.18691E-05	0.00010667	8.19824E-05	**544**	0.0001076
0.000118989	0.000125835	3.234E-05	0.000117265	8.97153E-05	0.000123261	0.000130187	3.47941E-05	0.000117265	8.08282E-05	**545**	0.000118857
0.000131607	0.000139133	3.63534E-05	0.000127267	8.88309E-05	0.000135071	0.000142624	3.85963E-05	0.000127267	7.99313E-05	**546**	0.000131394
0.000141414	0.000149371	4.07075E-05	0.000133307	7.35526E-05	0.000143201	0.000151096	4.23617E-05	0.000133307	6.71665E-05	**547**	0.000141304
0.000142283	0.000150207	4.19925E-05	0.000132388	6.07868E-05	0.000143067	0.000150882	4.32534E-05	0.000132388	5.70098E-05	**548**	0.000142287
0.000137684	0.000145341	4.07717E-05	0.000127029	5.2403E-05	0.000137903	0.000145419	4.19113E-05	0.000127029	4.98752E-05	**549**	0.000137791
0.000131966	0.0001394	3.78884E-05	0.000119934	4.66541E-05	0.000131524	0.000138751	3.92183E-05	0.000119934	4.54619E-05	**550**	0.000132181
0.000120236	0.000127058	3.38828E-05	0.000111322	4.56843E-05	0.00012092	0.000127603	3.55539E-05	0.000111322	4.44774E-05	**551**	0.000120517
0.000109949	0.000116281	2.981E-05	0.000104552	4.53682E-05	0.000112095	0.000118368	3.19721E-05	0.000104552	4.41592E-05	**552**	0.000110212
9.57944E-05	0.000101388	2.49987E-05	9.39419E-05	4.44345E-05	9.91926E-05	0.000104803	2.75335E-05	9.39419E-05	4.32025E-05	**553**	9.61232E-05
9.3795E-05	9.9324E-05	2.38173E-05	9.35258E-05	4.49664E-05	9.79755E-05	0.000103561	2.66406E-05	9.35258E-05	4.37531E-05	**554**	9.40997E-05
9.27887E-05	9.82734E-05	2.33715E-05	9.35001E-05	4.50936E-05	9.74227E-05	0.000102987	2.63548E-05	9.35001E-05	4.38867E-05	**555**	9.31372E-05
9.47027E-05	0.000100298	2.38902E-05	9.63892E-05	4.65839E-05	9.9881E-05	0.000105581	2.70814E-05	9.63892E-05	4.54184E-05	**556**	9.514E-05
0.000100038	0.000105923	2.55637E-05	0.000102132	4.89443E-05	0.000105597	0.0001116	2.89219E-05	0.000102132	4.78314E-05	**557**	0.000100573
0.000107147	0.000113423	2.77125E-05	0.000108285	4.97922E-05	0.000112516	0.000118895	3.10509E-05	0.000108285	4.8653E-05	**558**	0.000107653
0.000112952	0.000119507	2.99935E-05	0.000113205	9.60172E-05	0.000118024	0.000124671	3.31256E-05	0.000113205	8.73656E-05	**559**	0.000113399
0.000111193	0.000117555	3.0681E-05	0.000114164	9.57604E-05	0.000117272	0.000123816	3.36932E-05	0.000114164	8.70459E-05	**560**	0.000111609
0.000109857	0.000116128	3.04896E-05	0.00011191	9.63593E-05	0.000115412	0.000121841	3.32984E-05	0.00011191	8.76383E-05	**561**	0.000110234
0.000107073	0.000113166	2.99634E-05	0.00010782	9.60977E-05	0.000111848	0.000118063	3.24638E-05	0.00010782	8.73576E-05	**562**	0.000107392
0.000104477	0.000110409	2.93927E-05	0.000103844	9.56401E-05	0.000108461	0.00011448	3.15873E-05	0.000103844	8.68793E-05	**563**	0.000104704
0.000101884	0.000107684	2.84689E-05	0.000100696	8.78842E-05	0.000105535	0.000111407	3.05344E-05	0.000100696	8.03616E-05	**564**	0.000102002
9.98356E-05	0.00010552	2.78964E-05	9.83147E-05	8.7461E-05	0.000103244	0.00010899	2.98605E-05	9.83147E-05	7.99285E-05	**565**	9.99193E-05
9.90116E-05	0.000104666	2.74499E-05	9.787E-05	8.65776E-05	0.000102606	0.000108331	2.94827E-05	9.787E-05	7.90295E-05	**566**	9.9071E-05
0.000100619	0.000106373	2.77868E-05	9.98755E-05	9.24412E-05	0.000104489	0.000110326	2.99342E-05	9.98755E-05	8.36118E-05	**567**	0.000100689
0.000107569	0.000113731	2.95767E-05	0.00010667	9.08457E-05	0.00011168	0.000117929	3.18691E-05	0.00010667	8.19824E-05	**568**	0.0001076
0.000118989	0.000125835	3.234E-05	0.000117265	8.97153E-05	0.000123261	0.000130187	3.47941E-05	0.000117265	8.08282E-05	**569**	0.000118857
0.000131607	0.000139133	3.63534E-05	0.000127267	8.88309E-05	0.000135071	0.000142624	3.85963E-05	0.000127267	7.99313E-05	**570**	0.000131394
0.000141414	0.000149371	4.07075E-05	0.000133307	7.35526E-05	0.000143201	0.000151096	4.23617E-05	0.000133307	6.71665E-05	**571**	0.000141304
0.000142283	0.000150207	4.19925E-05	0.000132388	6.07868E-05	0.000143067	0.000150882	4.32534E-05	0.000132388	5.70098E-05	**572**	0.000142287
0.000137684	0.000145341	4.07717E-05	0.000127029	5.2403E-05	0.000137903	0.000145419	4.19113E-05	0.000127029	4.98752E-05	**573**	0.000137791
0.000131966	0.0001394	3.78884E-05	0.000119934	4.66541E-05	0.000131524	0.000138751	3.92183E-05	0.000119934	4.54619E-05	**574**	0.000132181
0.000120236	0.000127058	3.38828E-05	0.000111322	4.56843E-05	0.00012092	0.000127603	3.55539E-05	0.000111322	4.44774E-05	**575**	0.000120517
0.000109949	0.000116281	2.981E-05	0.000104552	4.53682E-05	0.000112095	0.000118368	3.19721E-05	0.000104552	4.41592E-05	**576**	0.000110212
9.63006E-05	0.000101923	2.51418E-05	9.45861E-05	4.51106E-05	9.97848E-05	0.000105428	2.77108E-05	9.45861E-05	4.39002E-05	**577**	9.66436E-05
9.32607E-05	9.87582E-05	2.36811E-05	9.29233E-05	4.46817E-05	9.73844E-05	0.000102936	2.64797E-05	9.29233E-05	4.34604E-05	**578**	9.35615E-05
9.23208E-05	9.77771E-05	2.32621E-05	9.30238E-05	4.48773E-05	9.69275E-05	0.000102462	2.62313E-05	9.30238E-05	4.36645E-05	**579**	9.2673E-05
9.40926E-05	9.96513E-05	2.37382E-05	9.57193E-05	4.62775E-05	9.92139E-05	0.000104875	2.69038E-05	9.57193E-05	4.51035E-05	**580**	9.45279E-05
9.9324E-05	0.000105166	2.53881E-05	0.00010136	4.85316E-05	0.000104821	0.000110779	2.87182E-05	0.00010136	4.74078E-05	**581**	9.98579E-05
0.000106478	0.000112714	2.75472E-05	0.000107558	4.93295E-05	0.000111788	0.000118124	3.08586E-05	0.000107558	4.81784E-05	**582**	0.000106983
0.000110728	0.000117126	2.97428E-05	0.000112234	9.53999E-05	0.000116236	0.000122765	3.28488E-05	0.000112234	8.67329E-05	**583**	0.000111171
0.000110367	0.00011668	3.04652E-05	0.000113205	9.50098E-05	0.000116346	0.000122838	3.34351E-05	0.000113205	8.6278E-05	**584**	0.000110773
0.000108979	0.000115198	3.02656E-05	0.000110919	9.55526E-05	0.00011444	0.000120814	3.30336E-05	0.000110919	8.68135E-05	**585**	0.000109349
0.00010636	0.000112412	2.97641E-05	0.000106925	9.53602E-05	0.000111019	0.000117189	3.22183E-05	0.000106925	8.66049E-05	**586**	0.00010666
0.000103892	0.000109792	2.9216E-05	0.00010304	9.47887E-05	0.000107751	0.000113732	3.13623E-05	0.00010304	8.60107E-05	**587**	0.000104095
0.000101284	0.000107051	2.82918E-05	9.98943E-05	8.70993E-05	0.000104816	0.00011065	3.03111E-05	9.98943E-05	7.95622E-05	**588**	0.00010138
9.92207E-05	0.000104871	2.77092E-05	9.7463E-05	8.66877E-05	0.000102494	0.0001082	2.96215E-05	9.7463E-05	7.9142E-05	**589**	9.92773E-05
9.84578E-05	0.000104081	2.72823E-05	9.71081E-05	8.58213E-05	0.000101933	0.000107622	2.92692E-05	9.71081E-05	7.82596E-05	**590**	9.84937E-05
0.000100001	0.000105721	2.76019E-05	9.90371E-05	9.17315E-05	0.000103743	0.00010954	2.97E-05	9.90371E-05	8.28891E-05	**591**	0.000100046
0.000106872	0.000112994	2.93818E-05	0.000105794	9.02717E-05	0.00011087	0.000117074	3.16286E-05	0.000105794	8.13984E-05	**592**	0.000106885
0.00011809	0.000124883	3.21161E-05	0.000116278	8.92344E-05	0.000122278	0.000129148	3.45325E-05	0.000116278	8.03389E-05	**593**	0.000117956
0.000130537	0.000137999	3.60926E-05	0.000126122	8.83749E-05	0.000133914	0.000141401	3.8295E-05	0.000126122	7.94664E-05	**594**	0.000130325
0.000140264	0.000148152	4.04279E-05	0.00013208	7.31148E-05	0.000141959	0.000149782	4.20393E-05	0.00013208	6.67194E-05	**595**	0.000140155
0.000141155	0.000149011	4.17225E-05	0.000131207	6.03623E-05	0.000141859	0.000149603	4.29444E-05	0.000131207	5.65755E-05	**596**	0.000141163
0.000138263	0.000145977	4.06261E-05	0.000126265	5.19877E-05	0.000137923	0.000145454	4.17334E-05	0.000126265	4.94501E-05	**597**	0.000138377
0.000131244	0.000138635	3.77024E-05	0.00011911	4.62748E-05	0.00013072	0.000137901	3.89974E-05	0.00011911	4.50723E-05	**598**	0.000131452
0.000119577	0.000126361	3.37118E-05	0.000110563	4.53921E-05	0.000120184	0.000126825	3.535E-05	0.000110563	4.41761E-05	**599**	0.00011985

0.000109432	0.000115733	2.96803E-05	0.00010398	4.52124E-05	0.000111528	0.000117768	3.18201E-05	0.00010398	4.39981E-05	**600**	0.000109692
9.63006E-05	0.000101923	2.51418E-05	9.45861E-05	4.51106E-05	9.97848E-05	0.000105428	2.77108E-05	9.45861E-05	4.39002E-05	**601**	9.66436E-05
9.32607E-05	9.87582E-05	2.36811E-05	9.29233E-05	4.46817E-05	9.73844E-05	0.000102936	2.64797E-05	9.29233E-05	4.34604E-05	**602**	9.35615E-05
9.23208E-05	9.77771E-05	2.32621E-05	9.30238E-05	4.48773E-05	9.69275E-05	0.000102462	2.62313E-05	9.30238E-05	4.36645E-05	**603**	9.2673E-05
9.40926E-05	9.96513E-05	2.37382E-05	9.57193E-05	4.62775E-05	9.92139E-05	0.000104875	2.69038E-05	9.57193E-05	4.51035E-05	**604**	9.45279E-05
9.9324E-05	0.000105166	2.53881E-05	0.00010136	4.85316E-05	0.000104821	0.000110779	2.87182E-05	0.00010136	4.74078E-05	**605**	9.98579E-05
0.000106478	0.000112714	2.75472E-05	0.000107558	4.93295E-05	0.000111788	0.000118124	3.08586E-05	0.000107558	4.81784E-05	**606**	0.000106983
0.000110728	0.000117126	2.97428E-05	0.000112234	9.53999E-05	0.000116236	0.000122765	3.28488E-05	0.000112234	8.67329E-05	**607**	0.000111171
0.000110367	0.00011668	3.04652E-05	0.000113205	9.50098E-05	0.000116346	0.000122838	3.34351E-05	0.000113205	8.6278E-05	**608**	0.000110773
0.000108979	0.000115198	3.02656E-05	0.000110919	9.55526E-05	0.00011444	0.000120814	3.30336E-05	0.000110919	8.68135E-05	**609**	0.000109349
0.00010636	0.000112412	2.97641E-05	0.000106925	9.53602E-05	0.000111019	0.000117189	3.22183E-05	0.000106925	8.66049E-05	**610**	0.00010666
0.000103892	0.000109792	2.9216E-05	0.00010304	9.47887E-05	0.000107751	0.000113732	3.13623E-05	0.00010304	8.60107E-05	**611**	0.000104095
0.000101284	0.000107051	2.82918E-05	9.98943E-05	8.70993E-05	0.000104816	0.00011065	3.03111E-05	9.98943E-05	7.95622E-05	**612**	0.00010138
9.92207E-05	0.000104871	2.77092E-05	9.7463E-05	8.66877E-05	0.000102494	0.0001082	2.96215E-05	9.7463E-05	7.9142E-05	**613**	9.92773E-05
9.84578E-05	0.000104081	2.72823E-05	9.71081E-05	8.58213E-05	0.000101933	0.000107622	2.92692E-05	9.71081E-05	7.82596E-05	**614**	9.84937E-05
0.000100001	0.000105721	2.76019E-05	9.90371E-05	9.17315E-05	0.000103743	0.00010954	2.97E-05	9.90371E-05	8.28891E-05	**615**	0.000100046
0.000106872	0.000112994	2.93818E-05	0.000105794	9.02717E-05	0.00011087	0.000117074	3.16286E-05	0.000105794	8.13984E-05	**616**	0.000106885
0.00011809	0.000124883	3.21161E-05	0.000116278	8.92344E-05	0.000122278	0.000129148	3.45325E-05	0.000116278	8.03389E-05	**617**	0.000117956
0.000130537	0.000137999	3.60926E-05	0.000126122	8.83749E-05	0.000133914	0.000141401	3.8295E-05	0.000126122	7.94664E-05	**618**	0.000130325
0.000140264	0.000148152	4.04279E-05	0.00013208	7.31148E-05	0.000141959	0.000149782	4.20393E-05	0.00013208	6.67194E-05	**619**	0.000140155
0.000141155	0.000149011	4.17225E-05	0.000131207	6.03623E-05	0.000141859	0.000149603	4.29444E-05	0.000131207	5.65755E-05	**620**	0.000141163
0.000138263	0.000145977	4.06261E-05	0.000126265	5.19877E-05	0.000137923	0.000145454	4.17334E-05	0.000126265	4.94501E-05	**621**	0.000138377
0.000131244	0.000138635	3.77024E-05	0.00011911	4.62748E-05	0.00013072	0.000137901	3.89974E-05	0.00011911	4.50723E-05	**622**	0.000131452
0.000119577	0.000126361	3.37118E-05	0.000110563	4.53921E-05	0.000120184	0.000126825	3.535E-05	0.000110563	4.41761E-05	**623**	0.00011985
0.000109432	0.000115733	2.96803E-05	0.00010398	4.52124E-05	0.000111528	0.000117768	3.18201E-05	0.00010398	4.39981E-05	**624**	0.000109692
9.63006E-05	0.000101923	2.51418E-05	9.45861E-05	4.51106E-05	9.97848E-05	0.000105428	2.77108E-05	9.45861E-05	4.39002E-05	**625**	9.66436E-05
9.32607E-05	9.87582E-05	2.36811E-05	9.29233E-05	4.46817E-05	9.73844E-05	0.000102936	2.64797E-05	9.29233E-05	4.34604E-05	**626**	9.35615E-05
9.23208E-05	9.77771E-05	2.32621E-05	9.30238E-05	4.48773E-05	9.69275E-05	0.000102462	2.62313E-05	9.30238E-05	4.36645E-05	**627**	9.2673E-05
9.40926E-05	9.96513E-05	2.37382E-05	9.57193E-05	4.62775E-05	9.92139E-05	0.000104875	2.69038E-05	9.57193E-05	4.51035E-05	**628**	9.45279E-05
9.9324E-05	0.000105166	2.53881E-05	0.00010136	4.85316E-05	0.000104821	0.000110779	2.87182E-05	0.00010136	4.74078E-05	**629**	9.98579E-05
0.000106478	0.000112714	2.75472E-05	0.000107558	4.93295E-05	0.000111788	0.000118124	3.08586E-05	0.000107558	4.81784E-05	**630**	0.000106983
0.000110728	0.000117126	2.97428E-05	0.000112234	9.53999E-05	0.000116236	0.000122765	3.28488E-05	0.000112234	8.67329E-05	**631**	0.000111171
0.000110367	0.00011668	3.04652E-05	0.000113205	9.50098E-05	0.000116346	0.000122838	3.34351E-05	0.000113205	8.6278E-05	**632**	0.000110773
0.000108979	0.000115198	3.02656E-05	0.000110919	9.55526E-05	0.00011444	0.000120814	3.30336E-05	0.000110919	8.68135E-05	**633**	0.000109349
0.00010636	0.000112412	2.97641E-05	0.000106925	9.53602E-05	0.000111019	0.000117189	3.22183E-05	0.000106925	8.66049E-05	**634**	0.00010666
0.000103892	0.000109792	2.9216E-05	0.00010304	9.47887E-05	0.000107751	0.000113732	3.13623E-05	0.00010304	8.60107E-05	**635**	0.000104095
0.000101284	0.000107051	2.82918E-05	9.98943E-05	8.70993E-05	0.000104816	0.00011065	3.03111E-05	9.98943E-05	7.95622E-05	**636**	0.00010138
9.92207E-05	0.000104871	2.77092E-05	9.7463E-05	8.66877E-05	0.000102494	0.0001082	2.96215E-05	9.7463E-05	7.9142E-05	**637**	9.92773E-05
9.84578E-05	0.000104081	2.72823E-05	9.71081E-05	8.58213E-05	0.000101933	0.000107622	2.92692E-05	9.71081E-05	7.82596E-05	**638**	9.84937E-05
0.000100001	0.000105721	2.76019E-05	9.90371E-05	9.17315E-05	0.000103743	0.00010954	2.97E-05	9.90371E-05	8.28891E-05	**639**	0.000100046
0.000106872	0.000112994	2.93818E-05	0.000105794	9.02717E-05	0.00011087	0.000117074	3.16286E-05	0.000105794	8.13984E-05	**640**	0.000106885
0.00011809	0.000124883	3.21161E-05	0.000116278	8.92344E-05	0.000122278	0.000129148	3.45325E-05	0.000116278	8.03389E-05	**641**	0.000117956
0.000130537	0.000137999	3.60926E-05	0.000126122	8.83749E-05	0.000133914	0.000141401	3.8295E-05	0.000126122	7.94664E-05	**642**	0.000130325
0.000140264	0.000148152	4.04279E-05	0.00013208	7.31148E-05	0.000141959	0.000149782	4.20393E-05	0.00013208	6.67194E-05	**643**	0.000140155
0.000141155	0.000149011	4.17225E-05	0.000131207	6.03623E-05	0.000141859	0.000149603	4.29444E-05	0.000131207	5.65755E-05	**644**	0.000141163
0.000138263	0.000145977	4.06261E-05	0.000126265	5.19877E-05	0.000137923	0.000145454	4.17334E-05	0.000126265	4.94501E-05	**645**	0.000138377
0.000131244	0.000138635	3.77024E-05	0.00011911	4.62748E-05	0.00013072	0.000137901	3.89974E-05	0.00011911	4.50723E-05	**646**	0.000131452
0.000119577	0.000126361	3.37118E-05	0.000110563	4.53921E-05	0.000120184	0.000126825	3.535E-05	0.000110563	4.41761E-05	**647**	0.00011985
0.000109432	0.000115733	2.96803E-05	0.00010398	4.52124E-05	0.000111528	0.000117768	3.18201E-05	0.00010398	4.39981E-05	**648**	0.000109692
9.63006E-05	0.000101923	2.51418E-05	9.45861E-05	4.51106E-05	9.97848E-05	0.000105428	2.77108E-05	9.45861E-05	4.39002E-05	**649**	9.66436E-05
9.32607E-05	9.87582E-05	2.36811E-05	9.29233E-05	4.46817E-05	9.73844E-05	0.000102936	2.64797E-05	9.29233E-05	4.34604E-05	**650**	9.35615E-05
9.23208E-05	9.77771E-05	2.32621E-05	9.30238E-05	4.48773E-05	9.69275E-05	0.000102462	2.62313E-05	9.30238E-05	4.36645E-05	**651**	9.2673E-05
9.40926E-05	9.96513E-05	2.37382E-05	9.57193E-05	4.62775E-05	9.92139E-05	0.000104875	2.69038E-05	9.57193E-05	4.51035E-05	**652**	9.45279E-05
9.9324E-05	0.000105166	2.53881E-05	0.00010136	4.85316E-05	0.000104821	0.000110779	2.87182E-05	0.00010136	4.74078E-05	**653**	9.98579E-05
0.000106478	0.000112714	2.75472E-05	0.000107558	4.93295E-05	0.000111788	0.000118124	3.08586E-05	0.000107558	4.81784E-05	**654**	0.000106983
0.000110728	0.000117126	2.97428E-05	0.000112234	9.53999E-05	0.000116236	0.000122765	3.28488E-05	0.000112234	8.67329E-05	**655**	0.000111171
0.000110367	0.00011668	3.04652E-05	0.000113205	9.50098E-05	0.000116346	0.000122838	3.34351E-05	0.000113205	8.6278E-05	**656**	0.000110773
0.000108979	0.000115198	3.02656E-05	0.000110919	9.55526E-05	0.00011444	0.000120814	3.30336E-05	0.000110919	8.68135E-05	**657**	0.000109349
0.00010636	0.000112412	2.97641E-05	0.000106925	9.53602E-05	0.000111019	0.000117189	3.22183E-05	0.000106925	8.66049E-05	**658**	0.00010666
0.000103892	0.000109792	2.9216E-05	0.00010304	9.47887E-05	0.000107751	0.000113732	3.13623E-05	0.00010304	8.60107E-05	**659**	0.000104095
0.000101284	0.000107051	2.82918E-05	9.98943E-05	8.70993E-05	0.000104816	0.00011065	3.03111E-05	9.98943E-05	7.95622E-05	**660**	0.00010138
9.92207E-05	0.000104871	2.77092E-05	9.7463E-05	8.66877E-05	0.000102494	0.0001082	2.96215E-05	9.7463E-05	7.9142E-05	**661**	9.92773E-05
9.84578E-05	0.000104081	2.72823E-05	9.71081E-05	8.58213E-05	0.000101933	0.000107622	2.92692E-05	9.71081E-05	7.82596E-05	**662**	9.84937E-05
0.000100001	0.000105721	2.76019E-05	9.90371E-05	9.17315E-05	0.000103743	0.00010954	2.97E-05	9.90371E-05	8.28891E-05	**663**	0.000100046
0.000106872	0.000112994	2.93818E-05	0.000105794	9.02717E-05	0.00011087	0.000117074	3.16286E-05	0.000105794	8.13984E-05	**664**	0.000106885
0.00011809	0.000124883	3.21161E-05	0.000116278	8.92344E-05	0.000122278	0.000129148	3.45325E-05	0.000116278	8.03389E-05	**665**	0.000117956
0.000130537	0.000137999	3.60926E-05	0.000126122	8.83749E-05	0.000133914	0.000141401	3.8295E-05	0.000126122	7.94664E-05	**666**	0.000130325
0.000140264	0.000148152	4.04279E-05	0.00013208	7.31148E-05	0.000141959	0.000149782	4.20393E-05	0.00013208	6.67194E-05	**667**	0.000140155
0.000141155	0.000149011	4.17225E-05	0.000131207	6.03623E-05	0.000141859	0.000149603	4.29444E-05	0.000131207	5.65755E-05	**668**	0.000141163
0.000138263	0.000145977	4.06261E-05	0.000126265	5.19877E-05	0.000137923	0.000145454	4.17334E-05	0.000126265	4.94501E-05	**669**	0.000138377
0.000131244	0.000138635	3.77024E-05	0.00011911	4.62748E-05	0.00013072	0.000137901	3.89974E-05	0.00011911	4.50723E-05	**670**	0.000131452
0.000119577	0.000126361	3.37118E-05	0.000110563	4.53921E-05	0.000120184	0.000126825	3.535E-05	0.000110563	4.41761E-05	**671**	0.00011985
0.000109432	0.000115733	2.96803E-05	0.00010398	4.52124E-05	0.000111528	0.000117768	3.18201E-05	0.00010398	4.39981E-05	**672**	0.000109692
9.63006E-05	0.000101923	2.51418E-05	9.45861E-05	4.51106E-05	9.97848E-05	0.000105428	2.77108E-05	9.45861E-05	4.39002E-05	**673**	9.66436E-05
9.32607E-05	9.87582E-05	2.36811E-05	9.29233E-05	4.46817E-05	9.73844E-05	0.000102936	2.64797E-05	9.29233E-05	4.34604E-05	**674**	9.35615E-05
9.23208E-05	9.77771E-05	2.32621E-05	9.30238E-05	4.48773E-05	9.69275E-05	0.000102462	2.62313E-05	9.30238E-05	4.36645E-05	**675**	9.2673E-05

9.40926E-05	9.96513E-05	2.37382E-05	9.57193E-05	4.62775E-05	9.92139E-05	0.000104875	2.69038E-05	9.57193E-05	4.51035E-05	**676**	9.45279E-05
9.9324E-05	0.000105166	2.53881E-05	0.00010136	4.85316E-05	0.000104821	0.000110779	2.87182E-05	0.00010136	4.74078E-05	**677**	9.98579E-05
0.000106478	0.000112714	2.75472E-05	0.000107558	4.93295E-05	0.000111788	0.000118124	3.08586E-05	0.000107558	4.81784E-05	**678**	0.000106983
0.000110728	0.000117126	2.97428E-05	0.000112234	5.93999E-05	0.000116236	0.000122765	3.28488E-05	0.000112234	8.67329E-05	**679**	0.000111171
0.000110367	0.00011668	3.04652E-05	0.000113205	9.50098E-05	0.000116346	0.000122838	3.34351E-05	0.000113205	8.6278E-05	**680**	0.000110773
0.000108979	0.000115198	3.02656E-05	0.000110919	9.55526E-05	0.00011444	0.000120814	3.30336E-05	0.000110919	8.68135E-05	**681**	0.000109349
0.00010636	0.000112412	2.97641E-05	0.000106925	9.53602E-05	0.000111019	0.000117189	3.22183E-05	0.000106925	8.66049E-05	**682**	0.00010666
0.000103892	0.000109792	2.9216E-05	0.00010304	9.47887E-05	0.000107751	0.000113732	3.13623E-05	0.00010304	8.60107E-05	**683**	0.000104095
0.000101284	0.000107051	2.82918E-05	9.98943E-05	8.70993E-05	0.000104816	0.00011065	3.03111E-05	9.98943E-05	7.95622E-05	**684**	0.00010138
9.92207E-05	0.000104871	2.77092E-05	9.7463E-05	8.66877E-05	0.000102494	0.0001082	2.96215E-05	9.7463E-05	7.9142E-05	**685**	9.92773E-05
9.84578E-05	0.000104081	2.72823E-05	9.71081E-05	8.58213E-05	0.000101933	0.000107622	2.92692E-05	9.71081E-05	7.82596E-05	**686**	9.84937E-05
0.000100001	0.000105721	2.76019E-05	9.90371E-05	9.17315E-05	0.000103743	0.00010954	2.97E-05	9.90371E-05	8.28891E-05	**687**	0.000100046
0.000106872	0.000112994	2.93818E-05	0.000105794	9.02717E-05	0.00011087	0.000117074	3.16286E-05	0.000105794	8.13984E-05	**688**	0.000106885
0.00011809	0.000124883	3.21161E-05	0.000116278	8.92344E-05	0.000122278	0.000129148	3.45325E-05	0.000116278	8.03389E-05	**689**	0.000117956
0.000130537	0.000137999	3.60926E-05	0.000126122	8.83749E-05	0.000133914	0.000141401	3.8295E-05	0.000126122	7.94664E-05	**690**	0.000130325
0.000140264	0.000148152	4.04279E-05	0.00013208	7.31148E-05	0.000141959	0.000149782	4.20393E-05	0.00013208	6.67194E-05	**691**	0.000140155
0.000141155	0.000149011	4.17225E-05	0.000131207	6.03623E-05	0.000141859	0.000149603	4.29444E-05	0.000131207	5.65755E-05	**692**	0.000141163
0.000138263	0.000145977	4.06261E-05	0.000126265	5.19877E-05	0.000137923	0.000145454	4.17334E-05	0.000126265	4.94501E-05	**693**	0.000138377
0.000131244	0.000138635	3.77024E-05	0.00011911	4.62748E-05	0.00013072	0.000137901	3.89974E-05	0.00011911	4.50723E-05	**694**	0.000131452
0.000119577	0.000126361	3.37118E-05	0.000110563	4.53921E-05	0.000120184	0.000126825	3.535E-05	0.000110563	4.41761E-05	**695**	0.00011985
0.000109432	0.000115733	2.96803E-05	0.00010398	4.52124E-05	0.000111528	0.000117768	3.18201E-05	0.00010398	4.39981E-05	**696**	0.000109692
9.57944E-05	0.000101388	2.49987E-05	9.39419E-05	4.44345E-05	9.91926E-05	0.000104803	2.75335E-05	9.39419E-05	4.32025E-05	**697**	9.61232E-05
9.3795E-05	9.9324E-05	2.38173E-05	9.35258E-05	4.49664E-05	9.79755E-05	0.000103561	2.66406E-05	9.35258E-05	4.37531E-05	**698**	9.40997E-05
9.27887E-05	9.82734E-05	2.33715E-05	9.35001E-05	4.50936E-05	9.74227E-05	0.000102987	2.63548E-05	9.35001E-05	4.38867E-05	**699**	9.31372E-05
9.47027E-05	0.000100298	2.38902E-05	9.63892E-05	4.65839E-05	9.9881E-05	0.000105581	2.70814E-05	9.63892E-05	4.54184E-05	**700**	9.514E-05
0.000100038	0.000105923	2.55637E-05	0.000102132	4.89443E-05	0.000105597	0.0001116	2.89219E-05	0.000102132	4.78314E-05	**701**	0.000100573
0.000107147	0.000113423	2.77125E-05	0.000108285	4.97922E-05	0.000112516	0.000118895	3.10509E-05	0.000108285	4.8653E-05	**702**	0.000107653
0.000112952	0.000119507	2.99935E-05	0.000113205	9.60172E-05	0.000118024	0.000124671	3.31256E-05	0.000113205	8.73656E-05	**703**	0.000113399
0.000111193	0.000117555	3.0681E-05	0.000114164	9.57604E-05	0.000117272	0.000123816	3.36932E-05	0.000114164	8.70459E-05	**704**	0.000111609
0.000109857	0.000116128	3.04896E-05	0.00011191	9.63593E-05	0.000115412	0.000121841	3.32984E-05	0.00011191	8.76383E-05	**705**	0.000110234
0.000107073	0.000113166	2.99634E-05	0.00010782	9.60977E-05	0.000111848	0.000118063	3.24638E-05	0.00010782	8.73576E-05	**706**	0.000107392
0.000104477	0.000110409	2.93927E-05	0.000103844	9.56401E-05	0.000108461	0.00011448	3.15873E-05	0.000103844	8.68793E-05	**707**	0.000104704
0.000101884	0.000107684	2.84689E-05	0.000100696	8.78842E-05	0.000105535	0.000111407	3.05344E-05	0.000100696	8.03616E-05	**708**	0.000102002
9.98356E-05	0.00010552	2.78964E-05	9.83147E-05	8.7461E-05	0.000103244	0.00010899	2.98605E-05	9.83147E-05	7.99285E-05	**709**	9.99193E-05
9.90116E-05	0.000104666	2.74499E-05	9.787E-05	8.65776E-05	0.000102606	0.000108331	2.94827E-05	9.787E-05	7.90295E-05	**710**	9.9071E-05
0.000100619	0.000106373	2.77868E-05	9.98755E-05	9.24412E-05	0.000104489	0.000110326	2.99342E-05	9.98755E-05	8.36118E-05	**711**	0.000100689
0.000107569	0.000113731	2.95767E-05	0.00010667	9.08457E-05	0.00011168	0.000117929	3.18691E-05	0.00010667	8.19824E-05	**712**	0.0001076
0.000118989	0.000125835	3.234E-05	0.000117265	8.97153E-05	0.000123261	0.000130187	3.47941E-05	0.000117265	8.08282E-05	**713**	0.000118857
0.000131607	0.000139133	3.63534E-05	0.000127267	8.88309E-05	0.000135071	0.000142624	3.85963E-05	0.000127267	7.99313E-05	**714**	0.000131394
0.000141414	0.000149371	4.07075E-05	0.000133307	7.35526E-05	0.000143201	0.000151096	4.23617E-05	0.000133307	6.71665E-05	**715**	0.000141304
0.000142283	0.000150207	4.19925E-05	0.000132388	6.07868E-05	0.000143067	0.000150882	4.32534E-05	0.000132388	5.70098E-05	**716**	0.000142287
0.000137684	0.000145341	4.07717E-05	0.000127029	5.2403E-05	0.000137903	0.000145419	4.19113E-05	0.000127029	4.98752E-05	**717**	0.000137791
0.000131966	0.0001394	3.78884E-05	0.000119934	4.66541E-05	0.000131524	0.000138751	3.92183E-05	0.000119934	4.54619E-05	**718**	0.000132181
0.000120236	0.000127058	3.38828E-05	0.000111322	4.56843E-05	0.00012092	0.000127603	3.55539E-05	0.000111322	4.44774E-05	**719**	0.000120517
0.000109949	0.000116281	2.981E-05	0.000104552	4.53682E-05	0.000112095	0.000118368	3.19721E-05	0.000104552	4.41592E-05	**720**	0.000110212
9.57944E-05	0.000101388	2.49987E-05	9.39419E-05	4.44345E-05	9.91926E-05	0.000104803	2.75335E-05	9.39419E-05	4.32025E-05	**721**	9.61232E-05
9.3795E-05	9.9324E-05	2.38173E-05	9.35258E-05	4.49664E-05	9.79755E-05	0.000103561	2.66406E-05	9.35258E-05	4.37531E-05	**722**	9.40997E-05
9.27887E-05	9.82734E-05	2.33715E-05	9.35001E-05	4.50936E-05	9.74227E-05	0.000102987	2.63548E-05	9.35001E-05	4.38867E-05	**723**	9.31372E-05
9.47027E-05	0.000100298	2.38902E-05	9.63892E-05	4.65839E-05	9.9881E-05	0.000105581	2.70814E-05	9.63892E-05	4.54184E-05	**724**	9.514E-05
0.000100038	0.000105923	2.55637E-05	0.000102132	4.89443E-05	0.000105597	0.0001116	2.89219E-05	0.000102132	4.78314E-05	**725**	0.000100573
0.000107147	0.000113423	2.77125E-05	0.000108285	4.97922E-05	0.000112516	0.000118895	3.10509E-05	0.000108285	4.8653E-05	**726**	0.000107653
0.000112952	0.000119507	2.99935E-05	0.000113205	9.60172E-05	0.000118024	0.000124671	3.31256E-05	0.000113205	8.73656E-05	**727**	0.000113399
0.000111193	0.000117555	3.0681E-05	0.000114164	9.57604E-05	0.000117272	0.000123816	3.36932E-05	0.000114164	8.70459E-05	**728**	0.000111609
0.000109857	0.000116128	3.04896E-05	0.00011191	9.63593E-05	0.000115412	0.000121841	3.32984E-05	0.00011191	8.76383E-05	**729**	0.000110234
0.000107073	0.000113166	2.99634E-05	0.00010782	9.60977E-05	0.000111848	0.000118063	3.24638E-05	0.00010782	8.73576E-05	**730**	0.000107392
0.000104477	0.000110409	2.93927E-05	0.000103844	9.56401E-05	0.000108461	0.00011448	3.15873E-05	0.000103844	8.68793E-05	**731**	0.000104704
0.000101884	0.000107684	2.84689E-05	0.000100696	8.78842E-05	0.000105535	0.000111407	3.05344E-05	0.000100696	8.03616E-05	**732**	0.000102002
9.98356E-05	0.00010552	2.78964E-05	9.83147E-05	8.7461E-05	0.000103244	0.00010899	2.98605E-05	9.83147E-05	7.99285E-05	**733**	9.99193E-05
9.90116E-05	0.000104666	2.74499E-05	9.787E-05	8.65776E-05	0.000102606	0.000108331	2.94827E-05	9.787E-05	7.90295E-05	**734**	9.9071E-05
0.000100619	0.000106373	2.77868E-05	9.98755E-05	9.24412E-05	0.000104489	0.000110326	2.99342E-05	9.98755E-05	8.36118E-05	**735**	0.000100689
0.000107569	0.000113731	2.95767E-05	0.00010667	9.08457E-05	0.00011168	0.000117929	3.18691E-05	0.00010667	8.19824E-05	**736**	0.0001076
0.000118989	0.000125835	3.234E-05	0.000117265	8.97153E-05	0.000123261	0.000130187	3.47941E-05	0.000117265	8.08282E-05	**737**	0.000118857
0.000131607	0.000139133	3.63534E-05	0.000127267	8.88309E-05	0.000135071	0.000142624	3.85963E-05	0.000127267	7.99313E-05	**738**	0.000131394
0.000141414	0.000149371	4.07075E-05	0.000133307	7.35526E-05	0.000143201	0.000151096	4.23617E-05	0.000133307	6.71665E-05	**739**	0.000141304
0.000142283	0.000150207	4.19925E-05	0.000132388	6.07868E-05	0.000143067	0.000150882	4.32534E-05	0.000132388	5.70098E-05	**740**	0.000142287
0.000137684	0.000145341	4.07717E-05	0.000127029	5.2403E-05	0.000137903	0.000145419	4.19113E-05	0.000127029	4.98752E-05	**741**	0.000137791
0.000131966	0.0001394	3.78884E-05	0.000119934	4.66541E-05	0.000131524	0.000138751	3.92183E-05	0.000119934	4.54619E-05	**742**	0.000132181
0.000120236	0.000127058	3.38828E-05	0.000111322	4.56843E-05	0.00012092	0.000127603	3.55539E-05	0.000111322	4.44774E-05	**743**	0.000120517
0.000109949	0.000116281	2.981E-05	0.000104552	4.53682E-05	0.000112095	0.000118368	3.19721E-05	0.000104552	4.41592E-05	**744**	0.000110212
8.8042E-05	9.31647E-05	2.32064E-05	8.61764E-05	4.56444E-05	9.10445E-05	9.61742E-05	2.55254E-05	8.61764E-05	4.44349E-05	**745**	8.84499E-05
8.5727E-05	9.07684E-05	2.19199E-05	8.52689E-05	4.58196E-05	8.94186E-05	9.45018E-05	2.44929E-05	8.52689E-05	4.46174E-05	**746**	8.60895E-05
8.47176E-05	8.97156E-05	2.14603E-05	8.51687E-05	4.66855E-05	8.88311E-05	9.38926E-05	2.41826E-05	8.51687E-05	4.55116E-05	**747**	8.5114E-05
8.69158E-05	9.20473E-05	2.19678E-05	8.79439E-05	4.83905E-05	9.14133E-05	9.66249E-05	2.48473E-05	8.79439E-05	4.72659E-05	**748**	8.73415E-05
9.28904E-05	9.83497E-05	2.37928E-05	9.43516E-05	5.19165E-05	9.78116E-05	0.000103367	2.68609E-05	9.43516E-05	5.08835E-05	**749**	9.34098E-05
0.000100634	0.000106525	2.60811E-05	0.00010111	5.30379E-05	0.000105386	0.000111355	2.91427E-05	0.00010111	5.1991E-05	**750**	0.000101114
0.000104046	0.000110047	2.81063E-05	0.000105074	9.90619E-05	0.000109009	0.00011512	3.09582E-05	0.000105074	9.05084E-05	**751**	0.000104492

9.99283E-05	0.00010563	2.77655E-05	0.000101265	9.87192E-05	0.000104724	0.000110557	3.0228E-05	0.000101265	9.00963E-05	**752**	0.000100231
9.77593E-05	0.000103321	2.73684E-05	9.81082E-05	9.9757E-05	0.000101959	0.000107624	2.95943E-05	9.81082E-05	9.11316E-05	**753**	9.80224E-05
9.62722E-05	0.000101738	2.70961E-05	9.50862E-05	0.000100452	9.96562E-05	0.000105187	2.90159E-05	9.50862E-05	9.1831E-05	**754**	9.64299E-05
9.59561E-05	0.000101396	2.71099E-05	9.3701E-05	0.000100895	9.88016E-05	0.00010428	2.88324E-05	9.3701E-05	9.22813E-05	**755**	9.60426E-05
9.29731E-05	9.82523E-05	2.61572E-05	9.04775E-05	9.40168E-05	9.56031E-05	0.000100913	2.77859E-05	9.04775E-05	8.66727E-05	**756**	9.29997E-05
9.06839E-05	9.58275E-05	2.55831E-05	8.81342E-05	9.37656E-05	9.31815E-05	9.83517E-05	2.71448E-05	8.81342E-05	8.64199E-05	**757**	9.07177E-05
8.86462E-05	9.36756E-05	2.4991E-05	8.7167E-05	9.24092E-05	9.15711E-05	9.66508E-05	2.66894E-05	8.7167E-05	8.50319E-05	**758**	8.8767E-05
8.94385E-05	9.45239E-05	2.50742E-05	8.80143E-05	9.71734E-05	9.24477E-05	9.75863E-05	2.68144E-05	8.80143E-05	8.84824E-05	**759**	8.95297E-05
9.46865E-05	0.000100078	2.64471E-05	9.29776E-05	9.41624E-05	9.7795E-05	0.000103239	2.82663E-05	9.29776E-05	8.53977E-05	**760**	9.47388E-05
0.000104658	0.00011064	2.89443E-05	0.000102476	9.16867E-05	0.000108008	0.000114042	3.09371E-05	0.000102476	8.2862E-05	**761**	0.000104613
0.00011907	0.000125842	3.3361E-05	0.000114234	9.01907E-05	0.000121686	0.000128459	3.51868E-05	0.000114234	8.13325E-05	**762**	0.000118918
0.0001309	0.000138221	3.82412E-05	0.000122633	7.48422E-05	0.00013209	0.000139332	3.95838E-05	0.000122633	6.84855E-05	**763**	0.000130877
0.000132323	0.000139647	3.96335E-05	0.000122174	6.21447E-05	0.000132497	0.000139693	4.05844E-05	0.000122174	5.83886E-05	**764**	0.000132394
0.000129659	0.000136855	3.85814E-05	0.000117417	5.37577E-05	0.000128781	0.000135778	3.94173E-05	0.000117417	5.12479E-05	**765**	0.000129826
0.000123417	0.000130341	3.57871E-05	0.000110773	4.77585E-05	0.000122278	0.000128971	3.67924E-05	0.000110773	4.65719E-05	**766**	0.000123632
0.000112436	0.000118794	3.19641E-05	0.000102947	4.63102E-05	0.000112477	0.000118673	3.33364E-05	0.000102947	4.50937E-05	**767**	0.000112715
0.000102929	0.000108841	2.81052E-05	9.71162E-05	4.55038E-05	0.000104541	0.000110376	3.0013E-05	9.71162E-05	4.42716E-05	**768**	0.000103205
8.8042E-05	9.31647E-05	2.32064E-05	8.61764E-05	4.56444E-05	9.10445E-05	9.61742E-05	2.55254E-05	8.61764E-05	4.44349E-05	**769**	8.84499E-05
8.5727E-05	9.07684E-05	2.19199E-05	8.52689E-05	4.58196E-05	8.94186E-05	9.45018E-05	2.44929E-05	8.52689E-05	4.46174E-05	**770**	8.60895E-05
8.47176E-05	8.97156E-05	2.14603E-05	8.51687E-05	4.66855E-05	8.88311E-05	9.38926E-05	2.41826E-05	8.51687E-05	4.55116E-05	**771**	8.5114E-05
8.69158E-05	9.20473E-05	2.19678E-05	8.79439E-05	4.83905E-05	9.14133E-05	9.66249E-05	2.48473E-05	8.79439E-05	4.72659E-05	**772**	8.73415E-05
9.28904E-05	9.83497E-05	2.37928E-05	9.43516E-05	5.19165E-05	9.78116E-05	0.000103367	2.68609E-05	9.43516E-05	5.08835E-05	**773**	9.34098E-05
0.000100634	0.000106525	2.60811E-05	0.00010111	5.30379E-05	0.000105386	0.000111355	2.91427E-05	0.00010111	5.1991E-05	**774**	0.000101114
0.000104046	0.000110047	2.81063E-05	0.000105074	9.90619E-05	0.000109009	0.00011512	3.09582E-05	0.000105074	9.05084E-05	**775**	0.000104492
9.99283E-05	0.00010563	2.77655E-05	0.000101265	9.87192E-05	0.000104724	0.000110557	3.0228E-05	0.000101265	9.00963E-05	**776**	0.000100231
9.77593E-05	0.000103321	2.73684E-05	9.81082E-05	9.9757E-05	0.000101959	0.000107624	2.95943E-05	9.81082E-05	9.11316E-05	**777**	9.80224E-05
9.62722E-05	0.000101738	2.70961E-05	9.50862E-05	0.000100452	9.96562E-05	0.000105187	2.90159E-05	9.50862E-05	9.1831E-05	**778**	9.64299E-05
9.59561E-05	0.000101396	2.71099E-05	9.3701E-05	0.000100895	9.88016E-05	0.00010428	2.88324E-05	9.3701E-05	9.22813E-05	**779**	9.60426E-05
9.29731E-05	9.82523E-05	2.61572E-05	9.04775E-05	9.40168E-05	9.56031E-05	0.000100913	2.77859E-05	9.04775E-05	8.66727E-05	**780**	9.29997E-05
9.06839E-05	9.58275E-05	2.55831E-05	8.81342E-05	9.37656E-05	9.31815E-05	9.83517E-05	2.71448E-05	8.81342E-05	8.64199E-05	**781**	9.07177E-05
8.86462E-05	9.36756E-05	2.4991E-05	8.7167E-05	9.24092E-05	9.15711E-05	9.66508E-05	2.66894E-05	8.7167E-05	8.50319E-05	**782**	8.8767E-05
8.94385E-05	9.45239E-05	2.50742E-05	8.80143E-05	9.71734E-05	9.24477E-05	9.75863E-05	2.68144E-05	8.80143E-05	8.84824E-05	**783**	8.95297E-05
9.46865E-05	0.000100078	2.64471E-05	9.29776E-05	9.41624E-05	9.7795E-05	0.000103239	2.82663E-05	9.29776E-05	8.53977E-05	**784**	9.47388E-05
0.000104658	0.00011064	2.89443E-05	0.000102476	9.16867E-05	0.000108008	0.000114042	3.09371E-05	0.000102476	8.2862E-05	**785**	0.000104613
0.00011907	0.000125842	3.3361E-05	0.000114234	9.01907E-05	0.000121686	0.000128459	3.51868E-05	0.000114234	8.13325E-05	**786**	0.000118918
0.0001309	0.000138221	3.82412E-05	0.000122633	7.48422E-05	0.00013209	0.000139332	3.95838E-05	0.000122633	6.84855E-05	**787**	0.000130877
0.000132323	0.000139647	3.96335E-05	0.000122174	6.21447E-05	0.000132497	0.000139693	4.05844E-05	0.000122174	5.83886E-05	**788**	0.000132394
0.000129659	0.000136855	3.85814E-05	0.000117417	5.37577E-05	0.000128781	0.000135778	3.94173E-05	0.000117417	5.12479E-05	**789**	0.000129826
0.000123417	0.000130341	3.57871E-05	0.000110773	4.77585E-05	0.000122278	0.000128971	3.67924E-05	0.000110773	4.65719E-05	**790**	0.000123632
0.000112436	0.000118794	3.19641E-05	0.000102947	4.63102E-05	0.000112477	0.000118673	3.33364E-05	0.000102947	4.50937E-05	**791**	0.000112715
0.000102929	0.000108841	2.81052E-05	9.71162E-05	4.55038E-05	0.000104541	0.000110376	3.0013E-05	9.71162E-05	4.42716E-05	**792**	0.000103205
8.8042E-05	9.31647E-05	2.32064E-05	8.61764E-05	4.56444E-05	9.10445E-05	9.61742E-05	2.55254E-05	8.61764E-05	4.44349E-05	**793**	8.84499E-05
8.5727E-05	9.07684E-05	2.19199E-05	8.52689E-05	4.58196E-05	8.94186E-05	9.45018E-05	2.44929E-05	8.52689E-05	4.46174E-05	**794**	8.60895E-05
8.47176E-05	8.97156E-05	2.14603E-05	8.51687E-05	4.66855E-05	8.88311E-05	9.38926E-05	2.41826E-05	8.51687E-05	4.55116E-05	**795**	8.5114E-05
8.69158E-05	9.20473E-05	2.19678E-05	8.79439E-05	4.83905E-05	9.14133E-05	9.66249E-05	2.48473E-05	8.79439E-05	4.72659E-05	**796**	8.73415E-05
9.28904E-05	9.83497E-05	2.37928E-05	9.43516E-05	5.19165E-05	9.78116E-05	0.000103367	2.68609E-05	9.43516E-05	5.08835E-05	**797**	9.34098E-05
0.000100634	0.000106525	2.60811E-05	0.00010111	5.30379E-05	0.000105386	0.000111355	2.91427E-05	0.00010111	5.1991E-05	**798**	0.000101114
0.000104046	0.000110047	2.81063E-05	0.000105074	9.90619E-05	0.000109009	0.00011512	3.09582E-05	0.000105074	9.05084E-05	**799**	0.000104492
9.99283E-05	0.00010563	2.77655E-05	0.000101265	9.87192E-05	0.000104724	0.000110557	3.0228E-05	0.000101265	9.00963E-05	**800**	0.000100231
9.77593E-05	0.000103321	2.73684E-05	9.81082E-05	9.9757E-05	0.000101959	0.000107624	2.95943E-05	9.81082E-05	9.11316E-05	**801**	9.80224E-05
9.62722E-05	0.000101738	2.70961E-05	9.50862E-05	0.000100452	9.96562E-05	0.000105187	2.90159E-05	9.50862E-05	9.1831E-05	**802**	9.64299E-05
9.59561E-05	0.000101396	2.71099E-05	9.3701E-05	0.000100895	9.88016E-05	0.00010428	2.88324E-05	9.3701E-05	9.22813E-05	**803**	9.60426E-05
9.29731E-05	9.82523E-05	2.61572E-05	9.04775E-05	9.40168E-05	9.56031E-05	0.000100913	2.77859E-05	9.04775E-05	8.66727E-05	**804**	9.29997E-05
9.06839E-05	9.58275E-05	2.55831E-05	8.81342E-05	9.37656E-05	9.31815E-05	9.83517E-05	2.71448E-05	8.81342E-05	8.64199E-05	**805**	9.07177E-05
8.86462E-05	9.36756E-05	2.4991E-05	8.7167E-05	9.24092E-05	9.15711E-05	9.66508E-05	2.66894E-05	8.7167E-05	8.50319E-05	**806**	8.8767E-05
8.94385E-05	9.45239E-05	2.50742E-05	8.80143E-05	9.71734E-05	9.24477E-05	9.75863E-05	2.68144E-05	8.80143E-05	8.84824E-05	**807**	8.95297E-05
9.46865E-05	0.000100078	2.64471E-05	9.29776E-05	9.41624E-05	9.7795E-05	0.000103239	2.82663E-05	9.29776E-05	8.53977E-05	**808**	9.47388E-05
0.000104658	0.00011064	2.89443E-05	0.000102476	9.16867E-05	0.000108008	0.000114042	3.09371E-05	0.000102476	8.2862E-05	**809**	0.000104613
0.00011907	0.000125842	3.3361E-05	0.000114234	9.01907E-05	0.000121686	0.000128459	3.51868E-05	0.000114234	8.13325E-05	**810**	0.000118918
0.0001309	0.000138221	3.82412E-05	0.000122633	7.48422E-05	0.00013209	0.000139332	3.95838E-05	0.000122633	6.84855E-05	**811**	0.000130877
0.000132323	0.000139647	3.96335E-05	0.000122174	6.21447E-05	0.000132497	0.000139693	4.05844E-05	0.000122174	5.83886E-05	**812**	0.000132394
0.000129659	0.000136855	3.85814E-05	0.000117417	5.37577E-05	0.000128781	0.000135778	3.94173E-05	0.000117417	5.12479E-05	**813**	0.000129826
0.000123417	0.000130341	3.57871E-05	0.000110773	4.77585E-05	0.000122278	0.000128971	3.67924E-05	0.000110773	4.65719E-05	**814**	0.000123632
0.000112436	0.000118794	3.19641E-05	0.000102947	4.63102E-05	0.000112477	0.000118673	3.33364E-05	0.000102947	4.50937E-05	**815**	0.000112715
0.000102929	0.000108841	2.81052E-05	9.71162E-05	4.55038E-05	0.000104541	0.000110376	3.0013E-05	9.71162E-05	4.42716E-05	**816**	0.000103205
8.8042E-05	9.31647E-05	2.32064E-05	8.61764E-05	4.56444E-05	9.10445E-05	9.61742E-05	2.55254E-05	8.61764E-05	4.44349E-05	**817**	8.84499E-05
8.5727E-05	9.07684E-05	2.19199E-05	8.52689E-05	4.58196E-05	8.94186E-05	9.45018E-05	2.44929E-05	8.52689E-05	4.46174E-05	**818**	8.60895E-05
8.47176E-05	8.97156E-05	2.14603E-05	8.51687E-05	4.66855E-05	8.88311E-05	9.38926E-05	2.41826E-05	8.51687E-05	4.55116E-05	**819**	8.5114E-05
8.69158E-05	9.20473E-05	2.19678E-05	8.79439E-05	4.83905E-05	9.14133E-05	9.66249E-05	2.48473E-05	8.79439E-05	4.72659E-05	**820**	8.73415E-05
9.28904E-05	9.83497E-05	2.37928E-05	9.43516E-05	5.19165E-05	9.78116E-05	0.000103367	2.68609E-05	9.43516E-05	5.08835E-05	**821**	9.34098E-05
0.000100634	0.000106525	2.60811E-05	0.00010111	5.30379E-05	0.000105386	0.000111355	2.91427E-05	0.00010111	5.1991E-05	**822**	0.000101114
0.000104046	0.000110047	2.81063E-05	0.000105074	9.90619E-05	0.000109009	0.00011512	3.09582E-05	0.000105074	9.05084E-05	**823**	0.000104492
9.99283E-05	0.00010563	2.77655E-05	0.000101265	9.87192E-05	0.000104724	0.000110557	3.0228E-05	0.000101265	9.00963E-05	**824**	0.000100231
9.77593E-05	0.000103321	2.73684E-05	9.81082E-05	9.9757E-05	0.000101959	0.000107624	2.95943E-05	9.81082E-05	9.11316E-05	**825**	9.80224E-05
9.62722E-05	0.000101738	2.70961E-05	9.50862E-05	0.000100452	9.96562E-05	0.000105187	2.90159E-05	9.50862E-05	9.1831E-05	**826**	9.64299E-05
9.59561E-05	0.000101396	2.71099E-05	9.3701E-05	0.000100895	9.88016E-05	0.00010428	2.88324E-05	9.3701E-05	9.22813E-05	**827**	9.60426E-05

9.29731E-05	9.82523E-05	2.61572E-05	9.04775E-05	9.40168E-05	9.56031E-05	0.000100913	2.77859E-05	9.04775E-05	8.66727E-05	**828**	9.29997E-05
9.06839E-05	9.58275E-05	2.55831E-05	8.81342E-05	9.37656E-05	9.31815E-05	9.83517E-05	2.71448E-05	8.81342E-05	8.64199E-05	**829**	9.07177E-05
8.86462E-05	9.36756E-05	2.4991E-05	8.7167E-05	9.24092E-05	9.15711E-05	9.66508E-05	2.66894E-05	8.7167E-05	8.50319E-05	**830**	8.8767E-05
8.94385E-05	9.45239E-05	2.50742E-05	8.80143E-05	9.71734E-05	9.24477E-05	9.75863E-05	2.68144E-05	8.80143E-05	8.84824E-05	**831**	8.95297E-05
9.46865E-05	0.000100078	2.64471E-05	9.29776E-05	9.41624E-05	9.7795E-05	0.000103239	2.82663E-05	9.29776E-05	8.53977E-05	**832**	9.47388E-05
0.000104658	0.00011064	2.89443E-05	0.000102476	9.16867E-05	0.000108008	0.000114042	3.09371E-05	0.000102476	8.2862E-05	**833**	0.000104613
0.00011907	0.000125842	3.3361E-05	0.000114234	9.01907E-05	0.000121686	0.000128459	3.51868E-05	0.000114234	8.13325E-05	**834**	0.000118918
0.0001309	0.000138221	3.82412E-05	0.000122633	7.48422E-05	0.00013209	0.000139332	3.95838E-05	0.000122633	6.84855E-05	**835**	0.000130877
0.000132323	0.000139647	3.96335E-05	0.000122174	6.21447E-05	0.000132497	0.000139693	4.05844E-05	0.000122174	5.83886E-05	**836**	0.000132394
0.000129659	0.000136855	3.85814E-05	0.000117417	5.37577E-05	0.000128781	0.000135778	3.94173E-05	0.000117417	5.12479E-05	**837**	0.000129826
0.000123417	0.000130341	3.57871E-05	0.000110773	4.77585E-05	0.000122278	0.000128971	3.67924E-05	0.000110773	4.65719E-05	**838**	0.000123632
0.000112436	0.000118794	3.19641E-05	0.000102947	4.63102E-05	0.000112477	0.000118673	3.33364E-05	0.000102947	4.50937E-05	**839**	0.000112715
0.000102929	0.000108841	2.81052E-05	9.71162E-05	4.55038E-05	0.000104541	0.000110376	3.0013E-05	9.71162E-05	4.42716E-05	**840**	0.000103205
8.8042E-05	9.31647E-05	2.32064E-05	8.61764E-05	4.56444E-05	9.10445E-05	9.61742E-05	2.55254E-05	8.61764E-05	4.44349E-05	**841**	8.84499E-05
8.5727E-05	9.07684E-05	2.19199E-05	8.52689E-05	4.58196E-05	8.94186E-05	9.45018E-05	2.44929E-05	8.52689E-05	4.46174E-05	**842**	8.60895E-05
8.47176E-05	8.97156E-05	2.14603E-05	8.51687E-05	4.66855E-05	8.88311E-05	9.38926E-05	2.41826E-05	8.51687E-05	4.55116E-05	**843**	8.5114E-05
8.69158E-05	9.20473E-05	2.19678E-05	8.79439E-05	4.83905E-05	9.14133E-05	9.66249E-05	2.48473E-05	8.79439E-05	4.72659E-05	**844**	8.73415E-05
9.28904E-05	9.83497E-05	2.37928E-05	9.43516E-05	5.19165E-05	9.78116E-05	0.000103367	2.68609E-05	9.43516E-05	5.08835E-05	**845**	9.34098E-05
0.000100634	0.000106525	2.60811E-05	0.00010111	5.30379E-05	0.000105386	0.000111355	2.91427E-05	0.00010111	5.1991E-05	**846**	0.000101114
0.000104046	0.000110047	2.81063E-05	0.000105074	9.90619E-05	0.000109009	0.00011512	3.09582E-05	0.000105074	9.05084E-05	**847**	0.000104492
9.99283E-05	0.00010563	2.77655E-05	0.000101265	9.87192E-05	0.000104724	0.000110557	3.0228E-05	0.000101265	9.00963E-05	**848**	0.000100231
9.77593E-05	0.000103321	2.73684E-05	9.81082E-05	9.9757E-05	0.000101959	0.000107624	2.95943E-05	9.81082E-05	9.11316E-05	**849**	9.80224E-05
9.62722E-05	0.000101738	2.70961E-05	9.50862E-05	0.000100452	9.96562E-05	0.000105187	2.90159E-05	9.50862E-05	9.1831E-05	**850**	9.64299E-05
9.59561E-05	0.000101396	2.71099E-05	9.3701E-05	0.000100895	9.88016E-05	0.00010428	2.88324E-05	9.3701E-05	9.22813E-05	**851**	9.60426E-05
9.29731E-05	9.82523E-05	2.61572E-05	9.04775E-05	9.40168E-05	9.56031E-05	0.000100913	2.77859E-05	9.04775E-05	8.66727E-05	**852**	9.29997E-05
9.06839E-05	9.58275E-05	2.55831E-05	8.81342E-05	9.37656E-05	9.31815E-05	9.83517E-05	2.71448E-05	8.81342E-05	8.64199E-05	**853**	9.07177E-05
8.86462E-05	9.36756E-05	2.4991E-05	8.7167E-05	9.24092E-05	9.15711E-05	9.66508E-05	2.66894E-05	8.7167E-05	8.50319E-05	**854**	8.8767E-05
8.94385E-05	9.45239E-05	2.50742E-05	8.80143E-05	9.71734E-05	9.24477E-05	9.75863E-05	2.68144E-05	8.80143E-05	8.84824E-05	**855**	8.95297E-05
9.46865E-05	0.000100078	2.64471E-05	9.29776E-05	9.41624E-05	9.7795E-05	0.000103239	2.82663E-05	9.29776E-05	8.53977E-05	**856**	9.47388E-05
0.000104658	0.00011064	2.89443E-05	0.000102476	9.16867E-05	0.000108008	0.000114042	3.09371E-05	0.000102476	8.2862E-05	**857**	0.000104613
0.00011907	0.000125842	3.3361E-05	0.000114234	9.01907E-05	0.000121686	0.000128459	3.51868E-05	0.000114234	8.13325E-05	**858**	0.000118918
0.0001309	0.000138221	3.82412E-05	0.000122633	7.48422E-05	0.00013209	0.000139332	3.95838E-05	0.000122633	6.84855E-05	**859**	0.000130877
0.000132323	0.000139647	3.96335E-05	0.000122174	6.21447E-05	0.000132497	0.000139693	4.05844E-05	0.000122174	5.83886E-05	**860**	0.000132394
0.000129659	0.000136855	3.85814E-05	0.000117417	5.37577E-05	0.000128781	0.000135778	3.94173E-05	0.000117417	5.12479E-05	**861**	0.000129826
0.000123417	0.000130341	3.57871E-05	0.000110773	4.77585E-05	0.000122278	0.000128971	3.67924E-05	0.000110773	4.65719E-05	**862**	0.000123632
0.000112436	0.000118794	3.19641E-05	0.000102947	4.63102E-05	0.000112477	0.000118673	3.33364E-05	0.000102947	4.50937E-05	**863**	0.000112715
0.000102929	0.000108841	2.81052E-05	9.71162E-05	4.55038E-05	0.000104541	0.000110376	3.0013E-05	9.71162E-05	4.42716E-05	**864**	0.000103205
8.89006E-05	9.40738E-05	2.34258E-05	8.71478E-05	4.53687E-05	9.19959E-05	9.71797E-05	2.57851E-05	8.71478E-05	4.41511E-05	**865**	8.93153E-05
8.62556E-05	9.13264E-05	2.20762E-05	8.59766E-05	4.58831E-05	9.00524E-05	9.51698E-05	2.469E-05	8.59766E-05	4.46822E-05	**866**	8.66379E-05
8.52449E-05	9.02725E-05	2.16125E-05	8.5856E-05	4.6823E-05	8.94551E-05	9.45506E-05	2.43728E-05	8.5856E-05	4.56521E-05	**867**	8.56583E-05
8.74684E-05	9.26322E-05	2.21118E-05	8.85837E-05	4.85573E-05	9.2032E-05	9.72786E-05	2.50194E-05	8.85837E-05	4.74366E-05	**868**	8.79006E-05
9.3646E-05	9.91489E-05	2.39974E-05	9.52659E-05	5.22069E-05	9.86749E-05	0.000104278	2.71096E-05	9.52659E-05	5.11813E-05	**869**	9.41799E-05
0.000101552	0.000107496	2.63222E-05	0.000102183	5.34374E-05	0.000106418	0.000112445	2.94317E-05	0.000102183	5.24007E-05	**870**	0.000102044
0.00010644	0.000112604	2.84306E-05	0.000106394	9.95077E-05	0.000111053	0.000117294	3.13394E-05	0.000106394	9.09653E-05	**871**	0.000106912
0.000100388	0.000106114	2.79132E-05	0.000101942	9.93502E-05	0.000105302	0.000111165	3.04202E-05	0.000101942	9.07417E-05	**872**	0.000100717
9.81719E-05	0.000103755	2.75053E-05	9.87378E-05	0.000100521	0.000102487	0.00010818	2.97744E-05	9.87378E-05	9.19119E-05	**873**	9.84614E-05
9.6604E-05	0.000102089	2.71839E-05	9.54774E-05	0.000101291	0.000100031	0.000105582	2.91216E-05	9.54774E-05	9.26877E-05	**874**	9.67666E-05
9.63366E-05	0.000101798	2.72108E-05	9.41505E-05	0.000101695	9.92315E-05	0.000104734	2.89539E-05	9.41505E-05	9.30977E-05	**875**	9.64288E-05
9.33123E-05	9.86109E-05	2.62494E-05	9.08898E-05	9.48375E-05	9.59915E-05	0.000101323	2.78981E-05	9.08898E-05	8.75102E-05	**876**	9.33456E-05
9.10363E-05	9.61997E-05	2.56848E-05	8.85929E-05	9.45637E-05	9.35983E-05	9.87912E-05	2.72717E-05	8.85929E-05	8.72337E-05	**877**	9.10814E-05
8.88548E-05	9.3893E-05	2.50877E-05	8.76278E-05	9.31181E-05	9.19008E-05	9.69955E-05	2.68289E-05	8.76278E-05	8.57552E-05	**878**	8.90092E-05
8.97355E-05	9.48357E-05	2.51838E-05	8.8525E-05	9.77313E-05	9.28533E-05	9.8012E-05	2.69636E-05	8.8525E-05	8.90511E-05	**879**	8.98538E-05
9.51248E-05	0.00010054	2.6587E-05	9.36177E-05	9.45579E-05	9.83439E-05	0.000103816	2.84478E-05	9.36177E-05	8.58009E-05	**880**	9.52011E-05
0.00010516	0.000111171	2.90878E-05	0.000103123	9.20195E-05	0.000108599	0.000114665	3.11156E-05	0.000103123	8.32016E-05	**881**	0.000105131
0.000119837	0.000126653	3.3572E-05	0.00011518	9.04816E-05	0.000122571	0.000129392	3.54451E-05	0.00011518	8.16295E-05	**882**	0.000119703
0.000131708	0.000139075	3.84701E-05	0.000123663	7.50409E-05	0.000133036	0.00014033	3.98675E-05	0.000123663	6.86883E-05	**883**	0.000131708
0.000133105	0.000140473	3.98467E-05	0.000123128	6.22638E-05	0.000133393	0.000140639	4.08443E-05	0.000123128	5.85094E-05	**884**	0.000133191
0.000128988	0.00013612	3.87166E-05	0.000118146	5.38762E-05	0.00012869	0.000135666	3.95909E-05	0.000118146	5.13681E-05	**885**	0.000129156
0.000124134	0.0001311	3.59763E-05	0.000111615	4.7907E-05	0.000123086	0.000129824	3.70198E-05	0.000111615	4.67229E-05	**886**	0.000124359
0.000113143	0.000119542	3.21503E-05	0.000103775	4.63441E-05	0.000113273	0.000119514	3.35599E-05	0.000103775	4.51262E-05	**887**	0.000113431
0.000103526	0.000109472	2.8272E-05	9.78656E-05	4.53652E-05	0.000105235	0.000111108	3.02187E-05	9.78656E-05	4.41264E-05	**888**	0.000103818
8.89006E-05	9.40738E-05	2.34258E-05	8.71478E-05	4.53687E-05	9.19959E-05	9.71797E-05	2.57851E-05	8.71478E-05	4.41511E-05	**889**	8.93153E-05
8.62556E-05	9.13264E-05	2.20762E-05	8.59766E-05	4.58831E-05	9.00524E-05	9.51698E-05	2.469E-05	8.59766E-05	4.46822E-05	**890**	8.66379E-05
8.52449E-05	9.02725E-05	2.16125E-05	8.5856E-05	4.6823E-05	8.94551E-05	9.45506E-05	2.43728E-05	8.5856E-05	4.56521E-05	**891**	8.56583E-05
8.74684E-05	9.26322E-05	2.21118E-05	8.85837E-05	4.85573E-05	9.2032E-05	9.72786E-05	2.50194E-05	8.85837E-05	4.74366E-05	**892**	8.79006E-05
9.3646E-05	9.91489E-05	2.39974E-05	9.52659E-05	5.22069E-05	9.86749E-05	0.000104278	2.71096E-05	9.52659E-05	5.11813E-05	**893**	9.41799E-05
0.000101552	0.000107496	2.63222E-05	0.000102183	5.34374E-05	0.000106418	0.000112445	2.94317E-05	0.000102183	5.24007E-05	**894**	0.000102044
0.00010644	0.000112604	2.84306E-05	0.000106394	9.95077E-05	0.000111053	0.000117294	3.13394E-05	0.000106394	9.09653E-05	**895**	0.000106912
0.000100388	0.000106114	2.79132E-05	0.000101942	9.93502E-05	0.000105302	0.000111165	3.04202E-05	0.000101942	9.07417E-05	**896**	0.000100717
9.81719E-05	0.000103755	2.75053E-05	9.87378E-05	0.000100521	0.000102487	0.00010818	2.97744E-05	9.87378E-05	9.19119E-05	**897**	9.84614E-05
9.6604E-05	0.000102089	2.71839E-05	9.54774E-05	0.000101291	0.000100031	0.000105582	2.91216E-05	9.54774E-05	9.26877E-05	**898**	9.67666E-05
9.63366E-05	0.000101798	2.72108E-05	9.41505E-05	0.000101695	9.92315E-05	0.000104734	2.89539E-05	9.41505E-05	9.30977E-05	**899**	9.64288E-05
9.33123E-05	9.86109E-05	2.62494E-05	9.08898E-05	9.48375E-05	9.59915E-05	0.000101323	2.78981E-05	9.08898E-05	8.75102E-05	**900**	9.33456E-05
9.10363E-05	9.61997E-05	2.56848E-05	8.85929E-05	9.45637E-05	9.35983E-05	9.87912E-05	2.72717E-05	8.85929E-05	8.72337E-05	**901**	9.10814E-05
8.88548E-05	9.3893E-05	2.50877E-05	8.76278E-05	9.31181E-05	9.19008E-05	9.69955E-05	2.68289E-05	8.76278E-05	8.57552E-05	**902**	8.90092E-05
8.97355E-05	9.48357E-05	2.51838E-05	8.8525E-05	9.77313E-05	9.28533E-05	9.8012E-05	2.69636E-05	8.8525E-05	8.90511E-05	**903**	8.98538E-05

9.51248E-05	0.00010054	2.6587E-05	9.36177E-05	9.45579E-05	9.83439E-05	0.000103816	2.84478E-05	9.36177E-05	8.58009E-05	**904**	9.52011E-05
0.00010516	0.000111171	2.90878E-05	0.000103123	9.20195E-05	0.000108599	0.000114665	3.11156E-05	0.000103123	8.32016E-05	**905**	0.000105131
0.000119837	0.000126653	3.3572E-05	0.00011518	9.04816E-05	0.000122571	0.000129392	3.54451E-05	0.00011518	8.16295E-05	**906**	0.000119703
0.000131708	0.000139075	3.84701E-05	0.000123663	7.50409E-05	0.000133036	0.00014033	3.98675E-05	0.000123663	6.86883E-05	**907**	0.000131708
0.000133105	0.000140473	3.98467E-05	0.000123128	6.22638E-05	0.000133393	0.000140639	4.08443E-05	0.000123128	5.85094E-05	**908**	0.000133191
0.000128988	0.00013612	3.87166E-05	0.000118146	5.38762E-05	0.00012869	0.000135666	3.95909E-05	0.000118146	5.13681E-05	**909**	0.000129156
0.000124134	0.0001311	3.59763E-05	0.000111615	4.7907E-05	0.000123086	0.000129824	3.70198E-05	0.000111615	4.67229E-05	**910**	0.000124359
0.000113143	0.000119542	3.21503E-05	0.000103775	4.63441E-05	0.000113273	0.000119514	3.35599E-05	0.000103775	4.51262E-05	**911**	0.000113431
0.000103526	0.000109472	2.8272E-05	9.78656E-05	4.53652E-05	0.000105235	0.000111108	3.02187E-05	9.78656E-05	4.41264E-05	**912**	0.000103818
8.8042E-05	9.31647E-05	2.32064E-05	8.61764E-05	4.56444E-05	9.10445E-05	9.61742E-05	2.55254E-05	8.61764E-05	4.44349E-05	**913**	8.84499E-05
8.5727E-05	9.07684E-05	2.19199E-05	8.52689E-05	4.58196E-05	8.94186E-05	9.45018E-05	2.44929E-05	8.52689E-05	4.46174E-05	**914**	8.60895E-05
8.47176E-05	8.97156E-05	2.14603E-05	8.51687E-05	4.66855E-05	8.88311E-05	9.38926E-05	2.41826E-05	8.51687E-05	4.55116E-05	**915**	8.5114E-05
8.69158E-05	9.20473E-05	2.19678E-05	8.79439E-05	4.83905E-05	9.14133E-05	9.66249E-05	2.48473E-05	8.79439E-05	4.72659E-05	**916**	8.73415E-05
9.28904E-05	9.83497E-05	2.37928E-05	9.43516E-05	5.19165E-05	9.78116E-05	0.000103367	2.68609E-05	9.43516E-05	5.08835E-05	**917**	9.34098E-05
0.000100634	0.000106525	2.60811E-05	0.00010111	5.30379E-05	0.000105386	0.000111355	2.91427E-05	0.00010111	5.1991E-05	**918**	0.000101114
0.000104046	0.000110047	2.81063E-05	0.000105074	9.90619E-05	0.000109009	0.00011512	3.09582E-05	0.000105074	9.05084E-05	**919**	0.000104492
9.99283E-05	0.00010563	2.77655E-05	0.000101265	9.87192E-05	0.000104724	0.000110557	3.0228E-05	0.000101265	9.00963E-05	**920**	0.000100231
9.77593E-05	0.000103321	2.73684E-05	9.81082E-05	9.9757E-05	0.000101959	0.000107624	2.95943E-05	9.81082E-05	9.11316E-05	**921**	9.80224E-05
9.62722E-05	0.000101738	2.70961E-05	9.50862E-05	0.000100452	9.96562E-05	0.000105187	2.90159E-05	9.50862E-05	9.1831E-05	**922**	9.64299E-05
9.59561E-05	0.000101396	2.71099E-05	9.3701E-05	0.000100895	9.88016E-05	0.00010428	2.88324E-05	9.3701E-05	9.22813E-05	**923**	9.60426E-05
9.29731E-05	9.82523E-05	2.61572E-05	9.04775E-05	9.40168E-05	9.56031E-05	0.000100913	2.77859E-05	9.04775E-05	8.66727E-05	**924**	9.29997E-05
9.06839E-05	9.58275E-05	2.55831E-05	8.81342E-05	9.37656E-05	9.31815E-05	9.83517E-05	2.71448E-05	8.81342E-05	8.64199E-05	**925**	9.07177E-05
8.86462E-05	9.36756E-05	2.4991E-05	8.7167E-05	9.24092E-05	9.15711E-05	9.66508E-05	2.66894E-05	8.7167E-05	8.50319E-05	**926**	8.8767E-05
8.94385E-05	9.45239E-05	2.50742E-05	8.80143E-05	9.71734E-05	9.24477E-05	9.75863E-05	2.68144E-05	8.80143E-05	8.84824E-05	**927**	8.95297E-05
9.46865E-05	0.000100078	2.64471E-05	9.29776E-05	9.41624E-05	9.7795E-05	0.000103239	2.82663E-05	9.29776E-05	8.53977E-05	**928**	9.47388E-05
0.000104658	0.00011064	2.89443E-05	0.000102476	9.16867E-05	0.000108008	0.000114042	3.09371E-05	0.000102476	8.2862E-05	**929**	0.000104613
0.00011907	0.000125842	3.3361E-05	0.000114234	9.01907E-05	0.000121686	0.000128459	3.51868E-05	0.000114234	8.13325E-05	**930**	0.000118918
0.0001309	0.000138221	3.82412E-05	0.000122633	7.48422E-05	0.00013209	0.000139332	3.95838E-05	0.000122633	6.84855E-05	**931**	0.000130877
0.000132323	0.000139647	3.96335E-05	0.000122174	6.21447E-05	0.000132497	0.000139693	4.05844E-05	0.000122174	5.83886E-05	**932**	0.000132394
0.000129659	0.000136855	3.85814E-05	0.000117417	5.37577E-05	0.000128781	0.000135778	3.94173E-05	0.000117417	5.12479E-05	**933**	0.000129826
0.000123417	0.000130341	3.57871E-05	0.000110773	4.77585E-05	0.000122278	0.000128971	3.67924E-05	0.000110773	4.65719E-05	**934**	0.000123632
0.000112436	0.000118794	3.19641E-05	0.000102947	4.63102E-05	0.000112477	0.000118673	3.33364E-05	0.000102947	4.50937E-05	**935**	0.000112715
0.000102929	0.000108841	2.81052E-05	9.71162E-05	4.55038E-05	0.000104541	0.000110376	3.0013E-05	9.71162E-05	4.42716E-05	**936**	0.000103205
8.8042E-05	9.31647E-05	2.32064E-05	8.61764E-05	4.56444E-05	9.10445E-05	9.61742E-05	2.55254E-05	8.61764E-05	4.44349E-05	**937**	8.84499E-05
8.5727E-05	9.07684E-05	2.19199E-05	8.52689E-05	4.58196E-05	8.94186E-05	9.45018E-05	2.44929E-05	8.52689E-05	4.46174E-05	**938**	8.60895E-05
8.47176E-05	8.97156E-05	2.14603E-05	8.51687E-05	4.66855E-05	8.88311E-05	9.38926E-05	2.41826E-05	8.51687E-05	4.55116E-05	**939**	8.5114E-05
8.69158E-05	9.20473E-05	2.19678E-05	8.79439E-05	4.83905E-05	9.14133E-05	9.66249E-05	2.48473E-05	8.79439E-05	4.72659E-05	**940**	8.73415E-05
9.28904E-05	9.83497E-05	2.37928E-05	9.43516E-05	5.19165E-05	9.78116E-05	0.000103367	2.68609E-05	9.43516E-05	5.08835E-05	**941**	9.34098E-05
0.000100634	0.000106525	2.60811E-05	0.00010111	5.30379E-05	0.000105386	0.000111355	2.91427E-05	0.00010111	5.1991E-05	**942**	0.000101114
0.000104046	0.000110047	2.81063E-05	0.000105074	9.90619E-05	0.000109009	0.00011512	3.09582E-05	0.000105074	9.05084E-05	**943**	0.000104492
9.99283E-05	0.00010563	2.77655E-05	0.000101265	9.87192E-05	0.000104724	0.000110557	3.0228E-05	0.000101265	9.00963E-05	**944**	0.000100231
9.77593E-05	0.000103321	2.73684E-05	9.81082E-05	9.9757E-05	0.000101959	0.000107624	2.95943E-05	9.81082E-05	9.11316E-05	**945**	9.80224E-05
9.62722E-05	0.000101738	2.70961E-05	9.50862E-05	0.000100452	9.96562E-05	0.000105187	2.90159E-05	9.50862E-05	9.1831E-05	**946**	9.64299E-05
9.59561E-05	0.000101396	2.71099E-05	9.3701E-05	0.000100895	9.88016E-05	0.00010428	2.88324E-05	9.3701E-05	9.22813E-05	**947**	9.60426E-05
9.29731E-05	9.82523E-05	2.61572E-05	9.04775E-05	9.40168E-05	9.56031E-05	0.000100913	2.77859E-05	9.04775E-05	8.66727E-05	**948**	9.29997E-05
9.06839E-05	9.58275E-05	2.55831E-05	8.81342E-05	9.37656E-05	9.31815E-05	9.83517E-05	2.71448E-05	8.81342E-05	8.64199E-05	**949**	9.07177E-05
8.86462E-05	9.36756E-05	2.4991E-05	8.7167E-05	9.24092E-05	9.15711E-05	9.66508E-05	2.66894E-05	8.7167E-05	8.50319E-05	**950**	8.8767E-05
8.94385E-05	9.45239E-05	2.50742E-05	8.80143E-05	9.71734E-05	9.24477E-05	9.75863E-05	2.68144E-05	8.80143E-05	8.84824E-05	**951**	8.95297E-05
9.46865E-05	0.000100078	2.64471E-05	9.29776E-05	9.41624E-05	9.7795E-05	0.000103239	2.82663E-05	9.29776E-05	8.53977E-05	**952**	9.47388E-05
0.000104658	0.00011064	2.89443E-05	0.000102476	9.16867E-05	0.000108008	0.000114042	3.09371E-05	0.000102476	8.2862E-05	**953**	0.000104613
0.00011907	0.000125842	3.3361E-05	0.000114234	9.01907E-05	0.000121686	0.000128459	3.51868E-05	0.000114234	8.13325E-05	**954**	0.000118918
0.0001309	0.000138221	3.82412E-05	0.000122633	7.48422E-05	0.00013209	0.000139332	3.95838E-05	0.000122633	6.84855E-05	**955**	0.000130877
0.000132323	0.000139647	3.96335E-05	0.000122174	6.21447E-05	0.000132497	0.000139693	4.05844E-05	0.000122174	5.83886E-05	**956**	0.000132394
0.000129659	0.000136855	3.85814E-05	0.000117417	5.37577E-05	0.000128781	0.000135778	3.94173E-05	0.000117417	5.12479E-05	**957**	0.000129826
0.000123417	0.000130341	3.57871E-05	0.000110773	4.77585E-05	0.000122278	0.000128971	3.67924E-05	0.000110773	4.65719E-05	**958**	0.000123632
0.000112436	0.000118794	3.19641E-05	0.000102947	4.63102E-05	0.000112477	0.000118673	3.33364E-05	0.000102947	4.50937E-05	**959**	0.000112715
0.000102929	0.000108841	2.81052E-05	9.71162E-05	4.55038E-05	0.000104541	0.000110376	3.0013E-05	9.71162E-05	4.42716E-05	**960**	0.000103205
8.8042E-05	9.31647E-05	2.32064E-05	8.61764E-05	4.56444E-05	9.10445E-05	9.61742E-05	2.55254E-05	8.61764E-05	4.44349E-05	**961**	8.84499E-05
8.5727E-05	9.07684E-05	2.19199E-05	8.52689E-05	4.58196E-05	8.94186E-05	9.45018E-05	2.44929E-05	8.52689E-05	4.46174E-05	**962**	8.60895E-05
8.47176E-05	8.97156E-05	2.14603E-05	8.51687E-05	4.66855E-05	8.88311E-05	9.38926E-05	2.41826E-05	8.51687E-05	4.55116E-05	**963**	8.5114E-05
8.69158E-05	9.20473E-05	2.19678E-05	8.79439E-05	4.83905E-05	9.14133E-05	9.66249E-05	2.48473E-05	8.79439E-05	4.72659E-05	**964**	8.73415E-05
9.28904E-05	9.83497E-05	2.37928E-05	9.43516E-05	5.19165E-05	9.78116E-05	0.000103367	2.68609E-05	9.43516E-05	5.08835E-05	**965**	9.34098E-05
0.000100634	0.000106525	2.60811E-05	0.00010111	5.30379E-05	0.000105386	0.000111355	2.91427E-05	0.00010111	5.1991E-05	**966**	0.000101114
0.000104046	0.000110047	2.81063E-05	0.000105074	9.90619E-05	0.000109009	0.00011512	3.09582E-05	0.000105074	9.05084E-05	**967**	0.000104492
9.99283E-05	0.00010563	2.77655E-05	0.000101265	9.87192E-05	0.000104724	0.000110557	3.0228E-05	0.000101265	9.00963E-05	**968**	0.000100231
9.77593E-05	0.000103321	2.73684E-05	9.81082E-05	9.9757E-05	0.000101959	0.000107624	2.95943E-05	9.81082E-05	9.11316E-05	**969**	9.80224E-05
9.62722E-05	0.000101738	2.70961E-05	9.50862E-05	0.000100452	9.96562E-05	0.000105187	2.90159E-05	9.50862E-05	9.1831E-05	**970**	9.64299E-05
9.59561E-05	0.000101396	2.71099E-05	9.3701E-05	0.000100895	9.88016E-05	0.00010428	2.88324E-05	9.3701E-05	9.22813E-05	**971**	9.60426E-05
9.29731E-05	9.82523E-05	2.61572E-05	9.04775E-05	9.40168E-05	9.56031E-05	0.000100913	2.77859E-05	9.04775E-05	8.66727E-05	**972**	9.29997E-05
9.06839E-05	9.58275E-05	2.55831E-05	8.81342E-05	9.37656E-05	9.31815E-05	9.83517E-05	2.71448E-05	8.81342E-05	8.64199E-05	**973**	9.07177E-05
8.86462E-05	9.36756E-05	2.4991E-05	8.7167E-05	9.24092E-05	9.15711E-05	9.66508E-05	2.66894E-05	8.7167E-05	8.50319E-05	**974**	8.8767E-05
8.94385E-05	9.45239E-05	2.50742E-05	8.80143E-05	9.71734E-05	9.24477E-05	9.75863E-05	2.68144E-05	8.80143E-05	8.84824E-05	**975**	8.95297E-05
9.46865E-05	0.000100078	2.64471E-05	9.29776E-05	9.41624E-05	9.7795E-05	0.000103239	2.82663E-05	9.29776E-05	8.53977E-05	**976**	9.47388E-05
0.000104658	0.00011064	2.89443E-05	0.000102476	9.16867E-05	0.000108008	0.000114042	3.09371E-05	0.000102476	8.2862E-05	**977**	0.000104613
0.00011907	0.000125842	3.3361E-05	0.000114234	9.01907E-05	0.000121686	0.000128459	3.51868E-05	0.000114234	8.13325E-05	**978**	0.000118918
0.0001309	0.000138221	3.82412E-05	0.000122633	7.48422E-05	0.00013209	0.000139332	3.95838E-05	0.000122633	6.84855E-05	**979**	0.000130877

0.000132323	0.000139647	3.96335E-05	0.000122174	6.21447E-05	0.000132497	0.000139693	4.05844E-05	0.000122174	5.83886E-05	**980**	0.000132394
0.000129659	0.000136855	3.85814E-05	0.000117417	5.37577E-05	0.000128781	0.000135778	3.94173E-05	0.000117417	5.12479E-05	**981**	0.000129826
0.000123417	0.000130341	3.57871E-05	0.000110773	4.77585E-05	0.000122278	0.000128971	3.67924E-05	0.000110773	4.65719E-05	**982**	0.000123632
0.000112436	0.000118794	3.19641E-05	0.000102947	4.63102E-05	0.000112477	0.000118673	3.33364E-05	0.000102947	4.50937E-05	**983**	0.000112715
0.000102929	0.000108841	2.81052E-05	9.71162E-05	4.55038E-05	0.000104541	0.000110376	3.0013E-05	9.71162E-05	4.42716E-05	**984**	0.000103205
8.8042E-05	9.31647E-05	2.32064E-05	8.61764E-05	4.56444E-05	9.10445E-05	9.61742E-05	2.55254E-05	8.61764E-05	4.44349E-05	**985**	8.84499E-05
8.5727E-05	9.07684E-05	2.19199E-05	8.52689E-05	4.58196E-05	8.94186E-05	9.45018E-05	2.44929E-05	8.52689E-05	4.46174E-05	**986**	8.60895E-05
8.47176E-05	8.97156E-05	2.14603E-05	8.51687E-05	4.66855E-05	8.88311E-05	9.38926E-05	2.41826E-05	8.51687E-05	4.55116E-05	**987**	8.5114E-05
8.69158E-05	9.20473E-05	2.19678E-05	8.79439E-05	4.83905E-05	9.14133E-05	9.66249E-05	2.48473E-05	8.79439E-05	4.72659E-05	**988**	8.73415E-05
9.28904E-05	9.83497E-05	2.37928E-05	9.43516E-05	5.19165E-05	9.78116E-05	0.000103367	2.68609E-05	9.43516E-05	5.08835E-05	**989**	9.34098E-05
0.000100634	0.000106525	2.60811E-05	0.00010111	5.30379E-05	0.000105386	0.000111355	2.91427E-05	0.00010111	5.1991E-05	**990**	0.000101114
0.000104046	0.000110047	2.81063E-05	0.000105074	9.90619E-05	0.000109009	0.00011512	3.09582E-05	0.000105074	9.05084E-05	**991**	0.000104492
9.99283E-05	0.00010563	2.77655E-05	0.000101265	9.87192E-05	0.000104724	0.000110557	3.0228E-05	0.000101265	9.00963E-05	**992**	0.000100231
9.77593E-05	0.000103321	2.73684E-05	9.81082E-05	9.9757E-05	0.000101959	0.000107624	2.95943E-05	9.81082E-05	9.11316E-05	**993**	9.80224E-05
9.62722E-05	0.000101738	2.70961E-05	9.50862E-05	0.000100452	9.96562E-05	0.000105187	2.90159E-05	9.50862E-05	9.1831E-05	**994**	9.64299E-05
9.59561E-05	0.000101396	2.71099E-05	9.3701E-05	0.000100895	9.88016E-05	0.00010428	2.88324E-05	9.3701E-05	9.22813E-05	**995**	9.60426E-05
9.29731E-05	9.82523E-05	2.61572E-05	9.04775E-05	9.40168E-05	9.56031E-05	0.000100913	2.77859E-05	9.04775E-05	8.66727E-05	**996**	9.29997E-05
9.06839E-05	9.58275E-05	2.55831E-05	8.81342E-05	9.37656E-05	9.31815E-05	9.83517E-05	2.71448E-05	8.81342E-05	8.64199E-05	**997**	9.07177E-05
8.86462E-05	9.36756E-05	2.4991E-05	8.7167E-05	9.24092E-05	9.15711E-05	9.66508E-05	2.66894E-05	8.7167E-05	8.50319E-05	**998**	8.8767E-05
8.94385E-05	9.45239E-05	2.50742E-05	8.80143E-05	9.71734E-05	9.24477E-05	9.75863E-05	2.68144E-05	8.80143E-05	8.84824E-05	**999**	8.95297E-05
9.46865E-05	0.000100078	2.64471E-05	9.29776E-05	9.41624E-05	9.7795E-05	0.000103239	2.82663E-05	9.29776E-05	8.53977E-05	**1000**	9.47388E-05
0.000104658	0.00011064	2.89443E-05	0.000102476	9.16867E-05	0.000108008	0.000114042	3.09371E-05	0.000102476	8.2862E-05	**1001**	0.000104613
0.00011907	0.000125842	3.3361E-05	0.000114234	9.01907E-05	0.000121686	0.000128459	3.51868E-05	0.000114234	8.13325E-05	**1002**	0.000118918
0.0001309	0.000138221	3.82412E-05	0.000122633	7.48422E-05	0.00013209	0.000139332	3.95838E-05	0.000122633	6.84855E-05	**1003**	0.000130877
0.000132323	0.000139647	3.96335E-05	0.000122174	6.21447E-05	0.000132497	0.000139693	4.05844E-05	0.000122174	5.83886E-05	**1004**	0.000132394
0.000129659	0.000136855	3.85814E-05	0.000117417	5.37577E-05	0.000128781	0.000135778	3.94173E-05	0.000117417	5.12479E-05	**1005**	0.000129826
0.000123417	0.000130341	3.57871E-05	0.000110773	4.77585E-05	0.000122278	0.000128971	3.67924E-05	0.000110773	4.65719E-05	**1006**	0.000123632
0.000112436	0.000118794	3.19641E-05	0.000102947	4.63102E-05	0.000112477	0.000118673	3.33364E-05	0.000102947	4.50937E-05	**1007**	0.000112715
0.000102929	0.000108841	2.81052E-05	9.71162E-05	4.55038E-05	0.000104541	0.000110376	3.0013E-05	9.71162E-05	4.42716E-05	**1008**	0.000103205
8.8042E-05	9.31647E-05	2.32064E-05	8.61764E-05	4.56444E-05	9.10445E-05	9.61742E-05	2.55254E-05	8.61764E-05	4.44349E-05	**1009**	8.84499E-05
8.5727E-05	9.07684E-05	2.19199E-05	8.52689E-05	4.58196E-05	8.94186E-05	9.45018E-05	2.44929E-05	8.52689E-05	4.46174E-05	**1010**	8.60895E-05
8.47176E-05	8.97156E-05	2.14603E-05	8.51687E-05	4.66855E-05	8.88311E-05	9.38926E-05	2.41826E-05	8.51687E-05	4.55116E-05	**1011**	8.5114E-05
8.69158E-05	9.20473E-05	2.19678E-05	8.79439E-05	4.83905E-05	9.14133E-05	9.66249E-05	2.48473E-05	8.79439E-05	4.72659E-05	**1012**	8.73415E-05
9.28904E-05	9.83497E-05	2.37928E-05	9.43516E-05	5.19165E-05	9.78116E-05	0.000103367	2.68609E-05	9.43516E-05	5.08835E-05	**1013**	9.34098E-05
0.000100634	0.000106525	2.60811E-05	0.00010111	5.30379E-05	0.000105386	0.000111355	2.91427E-05	0.00010111	5.1991E-05	**1014**	0.000101114
0.000104046	0.000110047	2.81063E-05	0.000105074	9.90619E-05	0.000109009	0.00011512	3.09582E-05	0.000105074	9.05084E-05	**1015**	0.000104492
9.99283E-05	0.00010563	2.77655E-05	0.000101265	9.87192E-05	0.000104724	0.000110557	3.0228E-05	0.000101265	9.00963E-05	**1016**	0.000100231
9.77593E-05	0.000103321	2.73684E-05	9.81082E-05	9.9757E-05	0.000101959	0.000107624	2.95943E-05	9.81082E-05	9.11316E-05	**1017**	9.80224E-05
9.62722E-05	0.000101738	2.70961E-05	9.50862E-05	0.000100452	9.96562E-05	0.000105187	2.90159E-05	9.50862E-05	9.1831E-05	**1018**	9.64299E-05
9.59561E-05	0.000101396	2.71099E-05	9.3701E-05	0.000100895	9.88016E-05	0.00010428	2.88324E-05	9.3701E-05	9.22813E-05	**1019**	9.60426E-05
9.29731E-05	9.82523E-05	2.61572E-05	9.04775E-05	9.40168E-05	9.56031E-05	0.000100913	2.77859E-05	9.04775E-05	8.66727E-05	**1020**	9.29997E-05
9.06839E-05	9.58275E-05	2.55831E-05	8.81342E-05	9.37656E-05	9.31815E-05	9.83517E-05	2.71448E-05	8.81342E-05	8.64199E-05	**1021**	9.07177E-05
8.86462E-05	9.36756E-05	2.4991E-05	8.7167E-05	9.24092E-05	9.15711E-05	9.66508E-05	2.66894E-05	8.7167E-05	8.50319E-05	**1022**	8.8767E-05
8.94385E-05	9.45239E-05	2.50742E-05	8.80143E-05	9.71734E-05	9.24477E-05	9.75863E-05	2.68144E-05	8.80143E-05	8.84824E-05	**1023**	8.95297E-05
9.46865E-05	0.000100078	2.64471E-05	9.29776E-05	9.41624E-05	9.7795E-05	0.000103239	2.82663E-05	9.29776E-05	8.53977E-05	**1024**	9.47388E-05
0.000104658	0.00011064	2.89443E-05	0.000102476	9.16867E-05	0.000108008	0.000114042	3.09371E-05	0.000102476	8.2862E-05	**1025**	0.000104613
0.00011907	0.000125842	3.3361E-05	0.000114234	9.01907E-05	0.000121686	0.000128459	3.51868E-05	0.000114234	8.13325E-05	**1026**	0.000118918
0.0001309	0.000138221	3.82412E-05	0.000122633	7.48422E-05	0.00013209	0.000139332	3.95838E-05	0.000122633	6.84855E-05	**1027**	0.000130877
0.000132323	0.000139647	3.96335E-05	0.000122174	6.21447E-05	0.000132497	0.000139693	4.05844E-05	0.000122174	5.83886E-05	**1028**	0.000132394
0.000129659	0.000136855	3.85814E-05	0.000117417	5.37577E-05	0.000128781	0.000135778	3.94173E-05	0.000117417	5.12479E-05	**1029**	0.000129826
0.000123417	0.000130341	3.57871E-05	0.000110773	4.77585E-05	0.000122278	0.000128971	3.67924E-05	0.000110773	4.65719E-05	**1030**	0.000123632
0.000112436	0.000118794	3.19641E-05	0.000102947	4.63102E-05	0.000112477	0.000118673	3.33364E-05	0.000102947	4.50937E-05	**1031**	0.000112715
0.000102929	0.000108841	2.81052E-05	9.71162E-05	4.55038E-05	0.000104541	0.000110376	3.0013E-05	9.71162E-05	4.42716E-05	**1032**	0.000103205
8.89006E-05	9.40738E-05	2.34258E-05	8.71478E-05	4.53687E-05	9.19959E-05	9.71797E-05	2.57851E-05	8.71478E-05	4.41511E-05	**1033**	8.93153E-05
8.62556E-05	9.13264E-05	2.20762E-05	8.59766E-05	4.58831E-05	9.00524E-05	9.51698E-05	2.469E-05	8.59766E-05	4.46822E-05	**1034**	8.66379E-05
8.52449E-05	9.02725E-05	2.16125E-05	8.5856E-05	4.6823E-05	8.94551E-05	9.45506E-05	2.43728E-05	8.5856E-05	4.56521E-05	**1035**	8.56583E-05
8.74684E-05	9.26322E-05	2.21118E-05	8.85837E-05	4.85573E-05	9.2032E-05	9.72786E-05	2.50194E-05	8.85837E-05	4.74366E-05	**1036**	8.79006E-05
9.3646E-05	9.91489E-05	2.39974E-05	9.52659E-05	5.22069E-05	9.86749E-05	0.000104278	2.71096E-05	9.52659E-05	5.11813E-05	**1037**	9.41799E-05
0.000101552	0.000107496	2.63222E-05	0.000102183	5.34374E-05	0.000106418	0.000112445	2.94317E-05	0.000102183	5.24007E-05	**1038**	0.000102044
0.00010644	0.000112604	2.84306E-05	0.000106394	9.95077E-05	0.000111053	0.000117294	3.13394E-05	0.000106394	9.09653E-05	**1039**	0.000106912
0.000100388	0.000106114	2.79132E-05	0.000101942	9.93502E-05	0.000105302	0.000111165	3.04202E-05	0.000101942	9.07417E-05	**1040**	0.000100717
9.81719E-05	0.000103755	2.75053E-05	9.87378E-05	0.000100521	0.000102487	0.00010818	2.97744E-05	9.87378E-05	9.19119E-05	**1041**	9.84614E-05
9.6604E-05	0.000102089	2.71839E-05	9.54774E-05	0.000101291	0.000100031	0.000105582	2.91216E-05	9.54774E-05	9.26877E-05	**1042**	9.67666E-05
9.63366E-05	0.000101798	2.72108E-05	9.41505E-05	0.000101695	9.92315E-05	0.000104734	2.89539E-05	9.41505E-05	9.30977E-05	**1043**	9.64288E-05
9.33123E-05	9.86109E-05	2.62494E-05	9.08898E-05	9.48375E-05	9.59915E-05	0.000101323	2.78981E-05	9.08898E-05	8.75102E-05	**1044**	9.33456E-05
9.10363E-05	9.61997E-05	2.56848E-05	8.85929E-05	9.45637E-05	9.35983E-05	9.87912E-05	2.72717E-05	8.85929E-05	8.72337E-05	**1045**	9.10814E-05
8.88548E-05	9.3893E-05	2.50877E-05	8.76278E-05	9.31181E-05	9.19008E-05	9.69955E-05	2.68289E-05	8.76278E-05	8.57552E-05	**1046**	8.90092E-05
8.97355E-05	9.48357E-05	2.51838E-05	8.8525E-05	9.77313E-05	9.28533E-05	9.8012E-05	2.69636E-05	8.8525E-05	8.90511E-05	**1047**	8.98538E-05
9.51248E-05	0.00010054	2.6587E-05	9.36177E-05	9.45579E-05	9.83439E-05	0.000103816	2.84478E-05	9.36177E-05	8.58009E-05	**1048**	9.52011E-05
0.00010516	0.000111171	2.90878E-05	0.000103123	9.20195E-05	0.000108599	0.000114665	3.11156E-05	0.000103123	8.32016E-05	**1049**	0.000105131
0.000119837	0.000126653	3.3572E-05	0.00011518	9.04816E-05	0.000122571	0.000129392	3.54451E-05	0.00011518	8.16295E-05	**1050**	0.000119703
0.000131708	0.000139075	3.84701E-05	0.000123663	7.50409E-05	0.000133036	0.00014033	3.98675E-05	0.000123663	6.86883E-05	**1051**	0.000131708
0.000133105	0.000140473	3.98467E-05	0.000123128	6.22638E-05	0.000133393	0.000140639	4.08443E-05	0.000123128	5.85094E-05	**1052**	0.000133191
0.000128988	0.00013612	3.87166E-05	0.000118146	5.38762E-05	0.00012869	0.000135666	3.95909E-05	0.000118146	5.13681E-05	**1053**	0.000129156
0.000124134	0.0001311	3.59763E-05	0.000111615	4.7907E-05	0.000123086	0.000129824	3.70198E-05	0.000111615	4.67229E-05	**1054**	0.000124359
0.000113143	0.000119542	3.21503E-05	0.000103775	4.63441E-05	0.000113273	0.000119514	3.35599E-05	0.000103775	4.51262E-05	**1055**	0.000113431

0.000103526	0.000109472	2.8272E-05	9.78656E-05	4.53652E-05	0.000105235	0.000111108	3.02187E-05	9.78656E-05	4.41264E-05	**1056**	0.000103818
8.89006E-05	9.40738E-05	2.34258E-05	8.71478E-05	4.53687E-05	9.19959E-05	9.71797E-05	2.57851E-05	8.71478E-05	4.41511E-05	**1057**	8.93153E-05
8.62556E-05	9.13264E-05	2.20762E-05	8.59766E-05	4.58831E-05	9.00524E-05	9.51698E-05	2.469E-05	8.59766E-05	4.46822E-05	**1058**	8.66379E-05
8.52449E-05	9.02725E-05	2.16125E-05	8.5856E-05	4.6823E-05	8.94551E-05	9.45506E-05	2.43728E-05	8.5856E-05	4.56521E-05	**1059**	8.56583E-05
8.74684E-05	9.26322E-05	2.21118E-05	8.85837E-05	4.85573E-05	9.2032E-05	9.72786E-05	2.50194E-05	8.85837E-05	4.74366E-05	**1060**	8.79006E-05
9.3646E-05	9.91489E-05	2.39974E-05	9.52659E-05	5.22069E-05	9.86749E-05	0.000104278	2.71096E-05	9.52659E-05	5.11813E-05	**1061**	9.41799E-05
0.000101552	0.000107496	2.63222E-05	0.000102183	5.34374E-05	0.000106418	0.000112445	2.94317E-05	0.000102183	5.24007E-05	**1062**	0.000102044
0.00010644	0.000112604	2.84306E-05	0.000106394	9.95077E-05	0.000111053	0.000117294	3.13394E-05	0.000106394	9.09653E-05	**1063**	0.000106912
0.000100388	0.000106114	2.79132E-05	0.000101942	9.93502E-05	0.000105302	0.000111165	3.04202E-05	0.000101942	9.07417E-05	**1064**	0.000100717
9.81719E-05	0.000103755	2.75053E-05	9.87378E-05	0.000100521	0.000102487	0.00010818	2.97744E-05	9.87378E-05	9.19119E-05	**1065**	9.84614E-05
9.6604E-05	0.000102089	2.71839E-05	9.54774E-05	0.000101291	0.000100031	0.000105582	2.91216E-05	9.54774E-05	9.26877E-05	**1066**	9.67666E-05
9.63366E-05	0.000101798	2.72108E-05	9.41505E-05	0.000101695	9.92315E-05	0.000104734	2.89539E-05	9.41505E-05	9.30977E-05	**1067**	9.64288E-05
9.33123E-05	9.86109E-05	2.62494E-05	9.08898E-05	9.48375E-05	9.59915E-05	0.000101323	2.78981E-05	9.08898E-05	8.75102E-05	**1068**	9.33456E-05
9.10363E-05	9.61997E-05	2.56848E-05	8.85929E-05	9.45637E-05	9.35983E-05	9.87912E-05	2.72717E-05	8.85929E-05	8.72337E-05	**1069**	9.10814E-05
8.88548E-05	9.3893E-05	2.50877E-05	8.76278E-05	9.31181E-05	9.19008E-05	9.69955E-05	2.68289E-05	8.76278E-05	8.57552E-05	**1070**	8.90092E-05
8.97355E-05	9.48357E-05	2.51838E-05	8.8525E-05	9.77313E-05	9.28533E-05	9.8012E-05	2.69636E-05	8.8525E-05	8.90511E-05	**1071**	8.98538E-05
9.51248E-05	0.00010054	2.6587E-05	9.36177E-05	9.45579E-05	9.83439E-05	0.000103816	2.84478E-05	9.36177E-05	8.58009E-05	**1072**	9.52011E-05
0.00010516	0.000111171	2.90878E-05	0.000103123	9.20195E-05	0.000108599	0.000114665	3.11156E-05	0.000103123	8.32016E-05	**1073**	0.000105131
0.000119837	0.000126653	3.3572E-05	0.00011518	9.04816E-05	0.000122571	0.000129392	3.54451E-05	0.00011518	8.16295E-05	**1074**	0.000119703
0.000131708	0.000139075	3.84701E-05	0.000123663	7.50409E-05	0.000133036	0.00014033	3.98675E-05	0.000123663	6.86883E-05	**1075**	0.000131708
0.000133105	0.000140473	3.98467E-05	0.000123128	6.22638E-05	0.000133393	0.000140639	4.08443E-05	0.000123128	5.85094E-05	**1076**	0.000133191
0.000128988	0.00013612	3.87166E-05	0.000118146	5.38762E-05	0.00012869	0.000135666	3.95909E-05	0.000118146	5.13681E-05	**1077**	0.000129156
0.000124134	0.0001311	3.59763E-05	0.000111615	4.7907E-05	0.000123086	0.000129824	3.70198E-05	0.000111615	4.67229E-05	**1078**	0.000124359
0.000113143	0.000119542	3.21503E-05	0.000103775	4.63441E-05	0.000113273	0.000119514	3.35599E-05	0.000103775	4.51262E-05	**1079**	0.000113431
0.000103526	0.000109472	2.8272E-05	9.78656E-05	4.53652E-05	0.000105235	0.000111108	3.02187E-05	9.78656E-05	4.41264E-05	**1080**	0.000103818
8.89006E-05	9.40738E-05	2.34258E-05	8.71478E-05	4.53687E-05	9.19959E-05	9.71797E-05	2.57851E-05	8.71478E-05	4.41511E-05	**1081**	8.93153E-05
8.62556E-05	9.13264E-05	2.20762E-05	8.59766E-05	4.58831E-05	9.00524E-05	9.51698E-05	2.469E-05	8.59766E-05	4.46822E-05	**1082**	8.66379E-05
8.52449E-05	9.02725E-05	2.16125E-05	8.5856E-05	4.6823E-05	8.94551E-05	9.45506E-05	2.43728E-05	8.5856E-05	4.56521E-05	**1083**	8.56583E-05
8.74684E-05	9.26322E-05	2.21118E-05	8.85837E-05	4.85573E-05	9.2032E-05	9.72786E-05	2.50194E-05	8.85837E-05	4.74366E-05	**1084**	8.79006E-05
9.3646E-05	9.91489E-05	2.39974E-05	9.52659E-05	5.22069E-05	9.86749E-05	0.000104278	2.71096E-05	9.52659E-05	5.11813E-05	**1085**	9.41799E-05
0.000101552	0.000107496	2.63222E-05	0.000102183	5.34374E-05	0.000106418	0.000112445	2.94317E-05	0.000102183	5.24007E-05	**1086**	0.000102044
0.00010644	0.000112604	2.84306E-05	0.000106394	9.95077E-05	0.000111053	0.000117294	3.13394E-05	0.000106394	9.09653E-05	**1087**	0.000106912
0.000100388	0.000106114	2.79132E-05	0.000101942	9.93502E-05	0.000105302	0.000111165	3.04202E-05	0.000101942	9.07417E-05	**1088**	0.000100717
9.81719E-05	0.000103755	2.75053E-05	9.87378E-05	0.000100521	0.000102487	0.00010818	2.97744E-05	9.87378E-05	9.19119E-05	**1089**	9.84614E-05
9.6604E-05	0.000102089	2.71839E-05	9.54774E-05	0.000101291	0.000100031	0.000105582	2.91216E-05	9.54774E-05	9.26877E-05	**1090**	9.67666E-05
9.63366E-05	0.000101798	2.72108E-05	9.41505E-05	0.000101695	9.92315E-05	0.000104734	2.89539E-05	9.41505E-05	9.30977E-05	**1091**	9.64288E-05
9.33123E-05	9.86109E-05	2.62494E-05	9.08898E-05	9.48375E-05	9.59915E-05	0.000101323	2.78981E-05	9.08898E-05	8.75102E-05	**1092**	9.33456E-05
9.10363E-05	9.61997E-05	2.56848E-05	8.85929E-05	9.45637E-05	9.35983E-05	9.87912E-05	2.72717E-05	8.85929E-05	8.72337E-05	**1093**	9.10814E-05
8.88548E-05	9.3893E-05	2.50877E-05	8.76278E-05	9.31181E-05	9.19008E-05	9.69955E-05	2.68289E-05	8.76278E-05	8.57552E-05	**1094**	8.90092E-05
8.97355E-05	9.48357E-05	2.51838E-05	8.8525E-05	9.77313E-05	9.28533E-05	9.8012E-05	2.69636E-05	8.8525E-05	8.90511E-05	**1095**	8.98538E-05
9.51248E-05	0.00010054	2.6587E-05	9.36177E-05	9.45579E-05	9.83439E-05	0.000103816	2.84478E-05	9.36177E-05	8.58009E-05	**1096**	9.52011E-05
0.00010516	0.000111171	2.90878E-05	0.000103123	9.20195E-05	0.000108599	0.000114665	3.11156E-05	0.000103123	8.32016E-05	**1097**	0.000105131
0.000119837	0.000126653	3.3572E-05	0.00011518	9.04816E-05	0.000122571	0.000129392	3.54451E-05	0.00011518	8.16295E-05	**1098**	0.000119703
0.000131708	0.000139075	3.84701E-05	0.000123663	7.50409E-05	0.000133036	0.00014033	3.98675E-05	0.000123663	6.86883E-05	**1099**	0.000131708
0.000133105	0.000140473	3.98467E-05	0.000123128	6.22638E-05	0.000133393	0.000140639	4.08443E-05	0.000123128	5.85094E-05	**1100**	0.000133191
0.000128988	0.00013612	3.87166E-05	0.000118146	5.38762E-05	0.00012869	0.000135666	3.95909E-05	0.000118146	5.13681E-05	**1101**	0.000129156
0.000124134	0.0001311	3.59763E-05	0.000111615	4.7907E-05	0.000123086	0.000129824	3.70198E-05	0.000111615	4.67229E-05	**1102**	0.000124359
0.000113143	0.000119542	3.21503E-05	0.000103775	4.63441E-05	0.000113273	0.000119514	3.35599E-05	0.000103775	4.51262E-05	**1103**	0.000113431
0.000103526	0.000109472	2.8272E-05	9.78656E-05	4.53652E-05	0.000105235	0.000111108	3.02187E-05	9.78656E-05	4.41264E-05	**1104**	0.000103818
8.8042E-05	9.31647E-05	2.32064E-05	8.61764E-05	4.56444E-05	9.10445E-05	9.61742E-05	2.55254E-05	8.61764E-05	4.44349E-05	**1105**	8.84499E-05
8.5727E-05	9.07684E-05	2.19199E-05	8.52689E-05	4.58196E-05	8.94186E-05	9.45018E-05	2.44929E-05	8.52689E-05	4.46174E-05	**1106**	8.60895E-05
8.47176E-05	8.97156E-05	2.14603E-05	8.51687E-05	4.66855E-05	8.88311E-05	9.38926E-05	2.41826E-05	8.51687E-05	4.55116E-05	**1107**	8.5114E-05
8.69158E-05	9.20473E-05	2.19678E-05	8.79439E-05	4.83905E-05	9.14133E-05	9.66249E-05	2.48473E-05	8.79439E-05	4.72659E-05	**1108**	8.73415E-05
9.28904E-05	9.83497E-05	2.37928E-05	9.43516E-05	5.19165E-05	9.78116E-05	0.000103367	2.68609E-05	9.43516E-05	5.08835E-05	**1109**	9.34098E-05
0.000100634	0.000106525	2.60811E-05	0.00010111	5.30379E-05	0.000105386	0.000111355	2.91427E-05	0.00010111	5.1991E-05	**1110**	0.000101114
0.000104046	0.000110047	2.81063E-05	0.000105074	9.90619E-05	0.000109009	0.00011512	3.09582E-05	0.000105074	9.05084E-05	**1111**	0.000104492
9.99283E-05	0.00010563	2.77655E-05	0.000101265	9.87192E-05	0.000104724	0.000110557	3.0228E-05	0.000101265	9.00963E-05	**1112**	0.000100231
9.77593E-05	0.000103321	2.73684E-05	9.81082E-05	9.9757E-05	0.000101959	0.000107624	2.95943E-05	9.81082E-05	9.11316E-05	**1113**	9.80224E-05
9.62722E-05	0.000101738	2.70961E-05	9.50862E-05	0.000100452	9.96562E-05	0.000105187	2.90159E-05	9.50862E-05	9.1831E-05	**1114**	9.64299E-05
9.59561E-05	0.000101396	2.71099E-05	9.3701E-05	0.000100895	9.88016E-05	0.00010428	2.88324E-05	9.3701E-05	9.22813E-05	**1115**	9.60426E-05
9.29731E-05	9.82523E-05	2.61572E-05	9.04775E-05	9.40168E-05	9.56031E-05	0.000100913	2.77859E-05	9.04775E-05	8.66727E-05	**1116**	9.29997E-05
9.06839E-05	9.58275E-05	2.55831E-05	8.81342E-05	9.37656E-05	9.31815E-05	9.83517E-05	2.71448E-05	8.81342E-05	8.64199E-05	**1117**	9.07177E-05
8.86462E-05	9.36756E-05	2.4991E-05	8.7167E-05	9.24092E-05	9.15711E-05	9.66508E-05	2.66894E-05	8.7167E-05	8.50319E-05	**1118**	8.8767E-05
8.94385E-05	9.45239E-05	2.50742E-05	8.80143E-05	9.71734E-05	9.24477E-05	9.75863E-05	2.68144E-05	8.80143E-05	8.84824E-05	**1119**	8.95297E-05
9.46865E-05	0.000100078	2.64471E-05	9.29776E-05	9.41624E-05	9.7795E-05	0.000103239	2.82663E-05	9.29776E-05	8.53977E-05	**1120**	9.47388E-05
0.000104658	0.00011064	2.89443E-05	0.000102476	9.16867E-05	0.000108008	0.000114042	3.09371E-05	0.000102476	8.2862E-05	**1121**	0.000104613
0.00011907	0.000125842	3.3361E-05	0.000114234	9.01907E-05	0.000121686	0.000128459	3.51868E-05	0.000114234	8.13325E-05	**1122**	0.000118918
0.0001309	0.000138221	3.82412E-05	0.000122633	7.48422E-05	0.00013209	0.000139332	3.95838E-05	0.000122633	6.84855E-05	**1123**	0.000130877
0.000132323	0.000139647	3.96335E-05	0.000122174	6.21447E-05	0.000132497	0.000139693	4.05844E-05	0.000122174	5.83886E-05	**1124**	0.000132394
0.000129659	0.000136855	3.85814E-05	0.000117417	5.37577E-05	0.000128781	0.000135778	3.94173E-05	0.000117417	5.12479E-05	**1125**	0.000129826
0.000123417	0.000130341	3.57871E-05	0.000110773	4.77585E-05	0.000122278	0.000128971	3.67924E-05	0.000110773	4.65719E-05	**1126**	0.000123632
0.000112436	0.000118794	3.19641E-05	0.000102947	4.63102E-05	0.000112477	0.000118673	3.33364E-05	0.000102947	4.50937E-05	**1127**	0.000112715
0.000102929	0.000108841	2.81052E-05	9.71162E-05	4.55038E-05	0.000104541	0.000110376	3.0013E-05	9.71162E-05	4.42716E-05	**1128**	0.000103205
8.8042E-05	9.31647E-05	2.32064E-05	8.61764E-05	4.56444E-05	9.10445E-05	9.61742E-05	2.55254E-05	8.61764E-05	4.44349E-05	**1129**	8.84499E-05
8.5727E-05	9.07684E-05	2.19199E-05	8.52689E-05	4.58196E-05	8.94186E-05	9.45018E-05	2.44929E-05	8.52689E-05	4.46174E-05	**1130**	8.60895E-05
8.47176E-05	8.97156E-05	2.14603E-05	8.51687E-05	4.66855E-05	8.88311E-05	9.38926E-05	2.41826E-05	8.51687E-05	4.55116E-05	**1131**	8.5114E-05

8.69158E-05	9.20473E-05	2.19678E-05	8.79439E-05	4.83905E-05	9.14133E-05	9.66249E-05	2.48473E-05	8.79439E-05	4.72659E-05	**1132**	8.73415E-05
9.28904E-05	9.83497E-05	2.37928E-05	9.43516E-05	5.19165E-05	9.78116E-05	0.000103367	2.68609E-05	9.43516E-05	5.08835E-05	**1133**	9.34098E-05
0.000100634	0.000106525	2.60811E-05	0.00010111	5.30379E-05	0.000105386	0.000111355	2.91427E-05	0.00010111	5.1991E-05	**1134**	0.000101114
0.000104046	0.000110047	2.81063E-05	0.000105074	9.90619E-05	0.000109009	0.00011512	3.09582E-05	0.000105074	9.05084E-05	**1135**	0.000104492
9.99283E-05	0.00010563	2.77655E-05	0.000101265	9.87192E-05	0.000104724	0.000110557	3.0228E-05	0.000101265	9.00963E-05	**1136**	0.000100231
9.77593E-05	0.000103321	2.73684E-05	9.81082E-05	9.9757E-05	0.000101959	0.000107624	2.95943E-05	9.81082E-05	9.11316E-05	**1137**	9.80224E-05
9.62722E-05	0.000101738	2.70961E-05	9.50862E-05	0.000100452	9.96562E-05	0.000105187	2.90159E-05	9.50862E-05	9.1831E-05	**1138**	9.64299E-05
9.59561E-05	0.000101396	2.71099E-05	9.3701E-05	0.000100895	9.88016E-05	0.00010428	2.88324E-05	9.3701E-05	9.22813E-05	**1139**	9.60426E-05
9.29731E-05	9.82523E-05	2.61572E-05	9.04775E-05	9.40168E-05	9.56031E-05	0.000100913	2.77859E-05	9.04775E-05	8.66727E-05	**1140**	9.29997E-05
9.06839E-05	9.58275E-05	2.55831E-05	8.81342E-05	9.37656E-05	9.31815E-05	9.83517E-05	2.71448E-05	8.81342E-05	8.64199E-05	**1141**	9.07177E-05
8.86462E-05	9.36756E-05	2.4991E-05	8.7167E-05	9.24092E-05	9.15711E-05	9.66508E-05	2.66894E-05	8.7167E-05	8.50319E-05	**1142**	8.8767E-05
8.94385E-05	9.45239E-05	2.50742E-05	8.80143E-05	9.71734E-05	9.24477E-05	9.75863E-05	2.68144E-05	8.80143E-05	8.84824E-05	**1143**	8.95297E-05
9.46865E-05	0.000100078	2.64471E-05	9.29776E-05	9.41624E-05	9.7795E-05	0.000103239	2.82663E-05	9.29776E-05	8.53977E-05	**1144**	9.47388E-05
0.000104658	0.00011064	2.89443E-05	0.000102476	9.16867E-05	0.000108008	0.000114042	3.09371E-05	0.000102476	8.2862E-05	**1145**	0.000104613
0.00011907	0.000125842	3.3361E-05	0.000114234	9.01907E-05	0.000121686	0.000128459	3.51868E-05	0.000114234	8.13325E-05	**1146**	0.000118918
0.0001309	0.000138221	3.82412E-05	0.000122633	7.48422E-05	0.00013209	0.000139332	3.95838E-05	0.000122633	6.84855E-05	**1147**	0.000130877
0.000132323	0.000139647	3.96335E-05	0.000122174	6.21447E-05	0.000132497	0.000139693	4.05844E-05	0.000122174	5.83886E-05	**1148**	0.000132394
0.000129659	0.000136855	3.85814E-05	0.000117417	5.37577E-05	0.000128781	0.000135778	3.94173E-05	0.000117417	5.12479E-05	**1149**	0.000129826
0.000123417	0.000130341	3.57871E-05	0.000110773	4.77585E-05	0.000122278	0.000128971	3.67924E-05	0.000110773	4.65719E-05	**1150**	0.000123632
0.000112436	0.000118794	3.19641E-05	0.000102947	4.63102E-05	0.000112477	0.000118673	3.33364E-05	0.000102947	4.50937E-05	**1151**	0.000112715
0.000102929	0.000108841	2.81052E-05	9.71162E-05	4.55038E-05	0.000104541	0.000110376	3.0013E-05	9.71162E-05	4.42716E-05	**1152**	0.000103205
8.8042E-05	9.31647E-05	2.32064E-05	8.61764E-05	4.56444E-05	9.10445E-05	9.61742E-05	2.55254E-05	8.61764E-05	4.44349E-05	**1153**	8.84499E-05
8.5727E-05	9.07684E-05	2.19199E-05	8.52689E-05	4.58196E-05	8.94186E-05	9.45018E-05	2.44929E-05	8.52689E-05	4.46174E-05	**1154**	8.60895E-05
8.47176E-05	8.97156E-05	2.14603E-05	8.51687E-05	4.66855E-05	8.88311E-05	9.38926E-05	2.41826E-05	8.51687E-05	4.55116E-05	**1155**	8.5114E-05
8.69158E-05	9.20473E-05	2.19678E-05	8.79439E-05	4.83905E-05	9.14133E-05	9.66249E-05	2.48473E-05	8.79439E-05	4.72659E-05	**1156**	8.73415E-05
9.28904E-05	9.83497E-05	2.37928E-05	9.43516E-05	5.19165E-05	9.78116E-05	0.000103367	2.68609E-05	9.43516E-05	5.08835E-05	**1157**	9.34098E-05
0.000100634	0.000106525	2.60811E-05	0.00010111	5.30379E-05	0.000105386	0.000111355	2.91427E-05	0.00010111	5.1991E-05	**1158**	0.000101114
0.000104046	0.000110047	2.81063E-05	0.000105074	9.90619E-05	0.000109009	0.00011512	3.09582E-05	0.000105074	9.05084E-05	**1159**	0.000104492
9.99283E-05	0.00010563	2.77655E-05	0.000101265	9.87192E-05	0.000104724	0.000110557	3.0228E-05	0.000101265	9.00963E-05	**1160**	0.000100231
9.77593E-05	0.000103321	2.73684E-05	9.81082E-05	9.9757E-05	0.000101959	0.000107624	2.95943E-05	9.81082E-05	9.11316E-05	**1161**	9.80224E-05
9.62722E-05	0.000101738	2.70961E-05	9.50862E-05	0.000100452	9.96562E-05	0.000105187	2.90159E-05	9.50862E-05	9.1831E-05	**1162**	9.64299E-05
9.59561E-05	0.000101396	2.71099E-05	9.3701E-05	0.000100895	9.88016E-05	0.00010428	2.88324E-05	9.3701E-05	9.22813E-05	**1163**	9.60426E-05
9.29731E-05	9.82523E-05	2.61572E-05	9.04775E-05	9.40168E-05	9.56031E-05	0.000100913	2.77859E-05	9.04775E-05	8.66727E-05	**1164**	9.29997E-05
9.06839E-05	9.58275E-05	2.55831E-05	8.81342E-05	9.37656E-05	9.31815E-05	9.83517E-05	2.71448E-05	8.81342E-05	8.64199E-05	**1165**	9.07177E-05
8.86462E-05	9.36756E-05	2.4991E-05	8.7167E-05	9.24092E-05	9.15711E-05	9.66508E-05	2.66894E-05	8.7167E-05	8.50319E-05	**1166**	8.8767E-05
8.94385E-05	9.45239E-05	2.50742E-05	8.80143E-05	9.71734E-05	9.24477E-05	9.75863E-05	2.68144E-05	8.80143E-05	8.84824E-05	**1167**	8.95297E-05
9.46865E-05	0.000100078	2.64471E-05	9.29776E-05	9.41624E-05	9.7795E-05	0.000103239	2.82663E-05	9.29776E-05	8.53977E-05	**1168**	9.47388E-05
0.000104658	0.00011064	2.89443E-05	0.000102476	9.16867E-05	0.000108008	0.000114042	3.09371E-05	0.000102476	8.2862E-05	**1169**	0.000104613
0.00011907	0.000125842	3.3361E-05	0.000114234	9.01907E-05	0.000121686	0.000128459	3.51868E-05	0.000114234	8.13325E-05	**1170**	0.000118918
0.0001309	0.000138221	3.82412E-05	0.000122633	7.48422E-05	0.00013209	0.000139332	3.95838E-05	0.000122633	6.84855E-05	**1171**	0.000130877
0.000132323	0.000139647	3.96335E-05	0.000122174	6.21447E-05	0.000132497	0.000139693	4.05844E-05	0.000122174	5.83886E-05	**1172**	0.000132394
0.000129659	0.000136855	3.85814E-05	0.000117417	5.37577E-05	0.000128781	0.000135778	3.94173E-05	0.000117417	5.12479E-05	**1173**	0.000129826
0.000123417	0.000130341	3.57871E-05	0.000110773	4.77585E-05	0.000122278	0.000128971	3.67924E-05	0.000110773	4.65719E-05	**1174**	0.000123632
0.000112436	0.000118794	3.19641E-05	0.000102947	4.63102E-05	0.000112477	0.000118673	3.33364E-05	0.000102947	4.50937E-05	**1175**	0.000112715
0.000102929	0.000108841	2.81052E-05	9.71162E-05	4.55038E-05	0.000104541	0.000110376	3.0013E-05	9.71162E-05	4.42716E-05	**1176**	0.000103205
8.8042E-05	9.31647E-05	2.32064E-05	8.61764E-05	4.56444E-05	9.10445E-05	9.61742E-05	2.55254E-05	8.61764E-05	4.44349E-05	**1177**	8.84499E-05
8.5727E-05	9.07684E-05	2.19199E-05	8.52689E-05	4.58196E-05	8.94186E-05	9.45018E-05	2.44929E-05	8.52689E-05	4.46174E-05	**1178**	8.60895E-05
8.47176E-05	8.97156E-05	2.14603E-05	8.51687E-05	4.66855E-05	8.88311E-05	9.38926E-05	2.41826E-05	8.51687E-05	4.55116E-05	**1179**	8.5114E-05
8.69158E-05	9.20473E-05	2.19678E-05	8.79439E-05	4.83905E-05	9.14133E-05	9.66249E-05	2.48473E-05	8.79439E-05	4.72659E-05	**1180**	8.73415E-05
9.28904E-05	9.83497E-05	2.37928E-05	9.43516E-05	5.19165E-05	9.78116E-05	0.000103367	2.68609E-05	9.43516E-05	5.08835E-05	**1181**	9.34098E-05
0.000100634	0.000106525	2.60811E-05	0.00010111	5.30379E-05	0.000105386	0.000111355	2.91427E-05	0.00010111	5.1991E-05	**1182**	0.000101114
0.000104046	0.000110047	2.81063E-05	0.000105074	9.90619E-05	0.000109009	0.00011512	3.09582E-05	0.000105074	9.05084E-05	**1183**	0.000104492
9.99283E-05	0.00010563	2.77655E-05	0.000101265	9.87192E-05	0.000104724	0.000110557	3.0228E-05	0.000101265	9.00963E-05	**1184**	0.000100231
9.77593E-05	0.000103321	2.73684E-05	9.81082E-05	9.9757E-05	0.000101959	0.000107624	2.95943E-05	9.81082E-05	9.11316E-05	**1185**	9.80224E-05
9.62722E-05	0.000101738	2.70961E-05	9.50862E-05	0.000100452	9.96562E-05	0.000105187	2.90159E-05	9.50862E-05	9.1831E-05	**1186**	9.64299E-05
9.59561E-05	0.000101396	2.71099E-05	9.3701E-05	0.000100895	9.88016E-05	0.00010428	2.88324E-05	9.3701E-05	9.22813E-05	**1187**	9.60426E-05
9.29731E-05	9.82523E-05	2.61572E-05	9.04775E-05	9.40168E-05	9.56031E-05	0.000100913	2.77859E-05	9.04775E-05	8.66727E-05	**1188**	9.29997E-05
9.06839E-05	9.58275E-05	2.55831E-05	8.81342E-05	9.37656E-05	9.31815E-05	9.83517E-05	2.71448E-05	8.81342E-05	8.64199E-05	**1189**	9.07177E-05
8.86462E-05	9.36756E-05	2.4991E-05	8.7167E-05	9.24092E-05	9.15711E-05	9.66508E-05	2.66894E-05	8.7167E-05	8.50319E-05	**1190**	8.8767E-05
8.94385E-05	9.45239E-05	2.50742E-05	8.80143E-05	9.71734E-05	9.24477E-05	9.75863E-05	2.68144E-05	8.80143E-05	8.84824E-05	**1191**	8.95297E-05
9.46865E-05	0.000100078	2.64471E-05	9.29776E-05	9.41624E-05	9.7795E-05	0.000103239	2.82663E-05	9.29776E-05	8.53977E-05	**1192**	9.47388E-05
0.000104658	0.00011064	2.89443E-05	0.000102476	9.16867E-05	0.000108008	0.000114042	3.09371E-05	0.000102476	8.2862E-05	**1193**	0.000104613
0.00011907	0.000125842	3.3361E-05	0.000114234	9.01907E-05	0.000121686	0.000128459	3.51868E-05	0.000114234	8.13325E-05	**1194**	0.000118918
0.0001309	0.000138221	3.82412E-05	0.000122633	7.48422E-05	0.00013209	0.000139332	3.95838E-05	0.000122633	6.84855E-05	**1195**	0.000130877
0.000132323	0.000139647	3.96335E-05	0.000122174	6.21447E-05	0.000132497	0.000139693	4.05844E-05	0.000122174	5.83886E-05	**1196**	0.000132394
0.000129659	0.000136855	3.85814E-05	0.000117417	5.37577E-05	0.000128781	0.000135778	3.94173E-05	0.000117417	5.12479E-05	**1197**	0.000129826
0.000123417	0.000130341	3.57871E-05	0.000110773	4.77585E-05	0.000122278	0.000128971	3.67924E-05	0.000110773	4.65719E-05	**1198**	0.000123632
0.000112436	0.000118794	3.19641E-05	0.000102947	4.63102E-05	0.000112477	0.000118673	3.33364E-05	0.000102947	4.50937E-05	**1199**	0.000112715
0.000102929	0.000108841	2.81052E-05	9.71162E-05	4.55038E-05	0.000104541	0.000110376	3.0013E-05	9.71162E-05	4.42716E-05	**1200**	0.000103205
8.89006E-05	9.40738E-05	2.34258E-05	8.71478E-05	4.53687E-05	9.19959E-05	9.71797E-05	2.57851E-05	8.71478E-05	4.41511E-05	**1201**	8.93153E-05
8.62556E-05	9.13264E-05	2.20762E-05	8.59766E-05	4.58831E-05	9.00524E-05	9.51698E-05	2.469E-05	8.59766E-05	4.46822E-05	**1202**	8.66379E-05
8.52449E-05	9.02725E-05	2.16125E-05	8.5856E-05	4.6823E-05	8.94551E-05	9.45506E-05	2.43728E-05	8.5856E-05	4.56521E-05	**1203**	8.56583E-05
8.74684E-05	9.26322E-05	2.21118E-05	8.85837E-05	4.85573E-05	9.2032E-05	9.72786E-05	2.50194E-05	8.85837E-05	4.74366E-05	**1204**	8.79006E-05
9.3646E-05	9.91489E-05	2.39974E-05	9.52659E-05	5.22069E-05	9.86749E-05	0.000104278	2.71096E-05	9.52659E-05	5.11813E-05	**1205**	9.41799E-05
0.000101552	0.000107496	2.63222E-05	0.000102183	5.34374E-05	0.000106418	0.000112445	2.94317E-05	0.000102183	5.24007E-05	**1206**	0.000102044
0.00010644	0.000112604	2.84306E-05	0.000106394	9.95077E-05	0.000111053	0.000117294	3.13394E-05	0.000106394	9.09653E-05	**1207**	0.000106912

0.000100388	0.000106114	2.79132E-05	0.000101942	9.93502E-05	0.000105302	0.000111165	3.04202E-05	0.000101942	9.07417E-05	**1208**	0.000100717
9.81719E-05	0.000103755	2.75053E-05	9.87378E-05	0.000100521	0.000102487	0.00010818	2.97744E-05	9.87378E-05	9.19119E-05	**1209**	9.84614E-05
9.6604E-05	0.000102089	2.71839E-05	9.54774E-05	0.000101291	0.000100031	0.000105582	2.91216E-05	9.54774E-05	9.26877E-05	**1210**	9.67666E-05
9.63366E-05	0.000101798	2.72108E-05	9.41505E-05	0.000101695	9.92315E-05	0.000104734	2.89539E-05	9.41505E-05	9.30977E-05	**1211**	9.64288E-05
9.33123E-05	9.86109E-05	2.62494E-05	9.08898E-05	9.48375E-05	9.59915E-05	0.000101323	2.78981E-05	9.08898E-05	8.75102E-05	**1212**	9.33456E-05
9.10363E-05	9.61997E-05	2.56848E-05	8.85929E-05	9.45637E-05	9.35983E-05	9.87912E-05	2.72717E-05	8.85929E-05	8.72337E-05	**1213**	9.10814E-05
8.88548E-05	9.3893E-05	2.50877E-05	8.76278E-05	9.31181E-05	9.19008E-05	9.69955E-05	2.68289E-05	8.76278E-05	8.57552E-05	**1214**	8.90092E-05
8.97355E-05	9.48357E-05	2.51838E-05	8.8525E-05	9.77313E-05	9.28533E-05	9.8012E-05	2.69636E-05	8.8525E-05	8.90511E-05	**1215**	8.98538E-05
9.51248E-05	0.00010054	2.6587E-05	9.36177E-05	9.45579E-05	9.83439E-05	0.000103816	2.84478E-05	9.36177E-05	8.58009E-05	**1216**	9.52011E-05
0.00010516	0.000111171	2.90878E-05	0.000103123	9.20195E-05	0.000108599	0.000114665	3.11156E-05	0.000103123	8.32016E-05	**1217**	0.000105131
0.000119837	0.000126653	3.3572E-05	0.00011518	9.04816E-05	0.000122571	0.000129392	3.54451E-05	0.00011518	8.16295E-05	**1218**	0.000119703
0.000131708	0.000139075	3.84701E-05	0.000123663	7.50409E-05	0.000133036	0.00014033	3.98675E-05	0.000123663	6.86883E-05	**1219**	0.000131708
0.000133105	0.000140473	3.98467E-05	0.000123128	6.22638E-05	0.000133393	0.000140639	4.08443E-05	0.000123128	5.85094E-05	**1220**	0.000133191
0.000128988	0.00013612	3.87166E-05	0.000118146	5.38762E-05	0.00012869	0.000135666	3.95909E-05	0.000118146	5.13681E-05	**1221**	0.000129156
0.000124134	0.0001311	3.59763E-05	0.000111615	4.7907E-05	0.000123086	0.000129824	3.70198E-05	0.000111615	4.67229E-05	**1222**	0.000124359
0.000113143	0.000119542	3.21503E-05	0.000103775	4.63441E-05	0.000113273	0.000119514	3.35599E-05	0.000103775	4.51262E-05	**1223**	0.000113431
0.000103526	0.000109472	2.8272E-05	9.78656E-05	4.53652E-05	0.000105235	0.000111108	3.02187E-05	9.78656E-05	4.41264E-05	**1224**	0.000103818
8.89006E-05	9.40738E-05	2.34258E-05	8.71478E-05	4.53687E-05	9.19959E-05	9.71797E-05	2.57851E-05	8.71478E-05	4.41511E-05	**1225**	8.93153E-05
8.62556E-05	9.13264E-05	2.20762E-05	8.59766E-05	4.58831E-05	9.00524E-05	9.51698E-05	2.469E-05	8.59766E-05	4.46822E-05	**1226**	8.66379E-05
8.52449E-05	9.02725E-05	2.16125E-05	8.5856E-05	4.6823E-05	8.94551E-05	9.45506E-05	2.43728E-05	8.5856E-05	4.56521E-05	**1227**	8.56583E-05
8.74684E-05	9.26322E-05	2.21118E-05	8.85837E-05	4.85573E-05	9.2032E-05	9.72786E-05	2.50194E-05	8.85837E-05	4.74366E-05	**1228**	8.79006E-05
9.3646E-05	9.91489E-05	2.39974E-05	9.52659E-05	5.22069E-05	9.86749E-05	0.000104278	2.71096E-05	9.52659E-05	5.11813E-05	**1229**	9.41799E-05
0.000101552	0.000107496	2.63222E-05	0.000102183	5.34374E-05	0.000106418	0.000112445	2.94317E-05	0.000102183	5.24007E-05	**1230**	0.000102044
0.00010644	0.000112604	2.84306E-05	0.000106394	9.95077E-05	0.000111053	0.000117294	3.13394E-05	0.000106394	9.09653E-05	**1231**	0.000106912
0.000100388	0.000106114	2.79132E-05	0.000101942	9.93502E-05	0.000105302	0.000111165	3.04202E-05	0.000101942	9.07417E-05	**1232**	0.000100717
9.81719E-05	0.000103755	2.75053E-05	9.87378E-05	0.000100521	0.000102487	0.00010818	2.97744E-05	9.87378E-05	9.19119E-05	**1233**	9.84614E-05
9.6604E-05	0.000102089	2.71839E-05	9.54774E-05	0.000101291	0.000100031	0.000105582	2.91216E-05	9.54774E-05	9.26877E-05	**1234**	9.67666E-05
9.63366E-05	0.000101798	2.72108E-05	9.41505E-05	0.000101695	9.92315E-05	0.000104734	2.89539E-05	9.41505E-05	9.30977E-05	**1235**	9.64288E-05
9.33123E-05	9.86109E-05	2.62494E-05	9.08898E-05	9.48375E-05	9.59915E-05	0.000101323	2.78981E-05	9.08898E-05	8.75102E-05	**1236**	9.33456E-05
9.10363E-05	9.61997E-05	2.56848E-05	8.85929E-05	9.45637E-05	9.35983E-05	9.87912E-05	2.72717E-05	8.85929E-05	8.72337E-05	**1237**	9.10814E-05
8.88548E-05	9.3893E-05	2.50877E-05	8.76278E-05	9.31181E-05	9.19008E-05	9.69955E-05	2.68289E-05	8.76278E-05	8.57552E-05	**1238**	8.90092E-05
8.97355E-05	9.48357E-05	2.51838E-05	8.8525E-05	9.77313E-05	9.28533E-05	9.8012E-05	2.69636E-05	8.8525E-05	8.90511E-05	**1239**	8.98538E-05
9.51248E-05	0.00010054	2.6587E-05	9.36177E-05	9.45579E-05	9.83439E-05	0.000103816	2.84478E-05	9.36177E-05	8.58009E-05	**1240**	9.52011E-05
0.00010516	0.000111171	2.90878E-05	0.000103123	9.20195E-05	0.000108599	0.000114665	3.11156E-05	0.000103123	8.32016E-05	**1241**	0.000105131
0.000119837	0.000126653	3.3572E-05	0.00011518	9.04816E-05	0.000122571	0.000129392	3.54451E-05	0.00011518	8.16295E-05	**1242**	0.000119703
0.000131708	0.000139075	3.84701E-05	0.000123663	7.50409E-05	0.000133036	0.00014033	3.98675E-05	0.000123663	6.86883E-05	**1243**	0.000131708
0.000133105	0.000140473	3.98467E-05	0.000123128	6.22638E-05	0.000133393	0.000140639	4.08443E-05	0.000123128	5.85094E-05	**1244**	0.000133191
0.000128988	0.00013612	3.87166E-05	0.000118146	5.38762E-05	0.00012869	0.000135666	3.95909E-05	0.000118146	5.13681E-05	**1245**	0.000129156
0.000124134	0.0001311	3.59763E-05	0.000111615	4.7907E-05	0.000123086	0.000129824	3.70198E-05	0.000111615	4.67229E-05	**1246**	0.000124359
0.000113143	0.000119542	3.21503E-05	0.000103775	4.63441E-05	0.000113273	0.000119514	3.35599E-05	0.000103775	4.51262E-05	**1247**	0.000113431
0.000103526	0.000109472	2.8272E-05	9.78656E-05	4.53652E-05	0.000105235	0.000111108	3.02187E-05	9.78656E-05	4.41264E-05	**1248**	0.000103818
8.8042E-05	9.31647E-05	2.32064E-05	8.61764E-05	4.56444E-05	9.10445E-05	9.61742E-05	2.55254E-05	8.61764E-05	4.44349E-05	**1249**	8.84499E-05
8.5727E-05	9.07684E-05	2.19199E-05	8.52689E-05	4.58196E-05	8.94186E-05	9.45018E-05	2.44929E-05	8.52689E-05	4.46174E-05	**1250**	8.60895E-05
8.47176E-05	8.97156E-05	2.14603E-05	8.51687E-05	4.66855E-05	8.88311E-05	9.38926E-05	2.41826E-05	8.51687E-05	4.55116E-05	**1251**	8.5114E-05
8.69158E-05	9.20473E-05	2.19678E-05	8.79439E-05	4.83905E-05	9.14133E-05	9.66249E-05	2.48473E-05	8.79439E-05	4.72659E-05	**1252**	8.73415E-05
9.28904E-05	9.83497E-05	2.37928E-05	9.43516E-05	5.19165E-05	9.78116E-05	0.000103367	2.68609E-05	9.43516E-05	5.08835E-05	**1253**	9.34098E-05
0.000100634	0.000106525	2.60811E-05	0.00010111	5.30379E-05	0.000105386	0.000111355	2.91427E-05	0.00010111	5.1991E-05	**1254**	0.000101114
0.000104046	0.000110047	2.81063E-05	0.000105074	9.90619E-05	0.000109009	0.00011512	3.09582E-05	0.000105074	9.05084E-05	**1255**	0.000104492
9.99283E-05	0.00010563	2.77655E-05	0.000101265	9.87192E-05	0.000104724	0.000110557	3.0228E-05	0.000101265	9.00963E-05	**1256**	0.000100231
9.77593E-05	0.000103321	2.73684E-05	9.81082E-05	9.9757E-05	0.000101959	0.000107624	2.95943E-05	9.81082E-05	9.11316E-05	**1257**	9.80224E-05
9.62722E-05	0.000101738	2.70961E-05	9.50862E-05	0.000100452	9.96562E-05	0.000105187	2.90159E-05	9.50862E-05	9.1831E-05	**1258**	9.64299E-05
9.59561E-05	0.000101396	2.71099E-05	9.3701E-05	0.000100895	9.88016E-05	0.00010428	2.88324E-05	9.3701E-05	9.22813E-05	**1259**	9.60426E-05
9.29731E-05	9.82523E-05	2.61572E-05	9.04775E-05	9.40168E-05	9.56031E-05	0.000100913	2.77859E-05	9.04775E-05	8.66727E-05	**1260**	9.29997E-05
9.06839E-05	9.58275E-05	2.55831E-05	8.81342E-05	9.37656E-05	9.31815E-05	9.83517E-05	2.71448E-05	8.81342E-05	8.64199E-05	**1261**	9.07177E-05
8.86462E-05	9.36756E-05	2.4991E-05	8.7167E-05	9.24092E-05	9.15711E-05	9.66508E-05	2.66894E-05	8.7167E-05	8.50319E-05	**1262**	8.8767E-05
8.94385E-05	9.45239E-05	2.50742E-05	8.80143E-05	9.71734E-05	9.24477E-05	9.75863E-05	2.68144E-05	8.80143E-05	8.84824E-05	**1263**	8.95297E-05
9.46865E-05	0.000100078	2.64471E-05	9.29776E-05	9.41624E-05	9.7795E-05	0.000103239	2.82663E-05	9.29776E-05	8.53977E-05	**1264**	9.47388E-05
0.000104658	0.00011064	2.89443E-05	0.000102476	9.16867E-05	0.000108008	0.000114042	3.09371E-05	0.000102476	8.2862E-05	**1265**	0.000104613
0.00011907	0.000125842	3.3361E-05	0.000114234	9.01907E-05	0.000121686	0.000128459	3.51868E-05	0.000114234	8.13325E-05	**1266**	0.000118918
0.0001309	0.000138221	3.82412E-05	0.000122633	7.48422E-05	0.00013209	0.000139332	3.95838E-05	0.000122633	6.84855E-05	**1267**	0.000130877
0.000132323	0.000139647	3.96335E-05	0.000122174	6.21447E-05	0.000132497	0.000139693	4.05844E-05	0.000122174	5.83886E-05	**1268**	0.000132394
0.000129659	0.000136855	3.85814E-05	0.000117417	5.37577E-05	0.000128781	0.000135778	3.94173E-05	0.000117417	5.12479E-05	**1269**	0.000129826
0.000123417	0.000130341	3.57871E-05	0.000110773	4.77585E-05	0.000122278	0.000128971	3.67924E-05	0.000110773	4.65719E-05	**1270**	0.000123632
0.000112436	0.000118794	3.19641E-05	0.000102947	4.63102E-05	0.000112477	0.000118673	3.33364E-05	0.000102947	4.50937E-05	**1271**	0.000112715
0.000102929	0.000108841	2.81052E-05	9.71162E-05	4.55038E-05	0.000104541	0.000110376	3.0013E-05	9.71162E-05	4.42716E-05	**1272**	0.000103205
8.8042E-05	9.31647E-05	2.32064E-05	8.61764E-05	4.56444E-05	9.10445E-05	9.61742E-05	2.55254E-05	8.61764E-05	4.44349E-05	**1273**	8.84499E-05
8.5727E-05	9.07684E-05	2.19199E-05	8.52689E-05	4.58196E-05	8.94186E-05	9.45018E-05	2.44929E-05	8.52689E-05	4.46174E-05	**1274**	8.60895E-05
8.47176E-05	8.97156E-05	2.14603E-05	8.51687E-05	4.66855E-05	8.88311E-05	9.38926E-05	2.41826E-05	8.51687E-05	4.55116E-05	**1275**	8.5114E-05
8.69158E-05	9.20473E-05	2.19678E-05	8.79439E-05	4.83905E-05	9.14133E-05	9.66249E-05	2.48473E-05	8.79439E-05	4.72659E-05	**1276**	8.73415E-05
9.28904E-05	9.83497E-05	2.37928E-05	9.43516E-05	5.19165E-05	9.78116E-05	0.000103367	2.68609E-05	9.43516E-05	5.08835E-05	**1277**	9.34098E-05
0.000100634	0.000106525	2.60811E-05	0.00010111	5.30379E-05	0.000105386	0.000111355	2.91427E-05	0.00010111	5.1991E-05	**1278**	0.000101114
0.000104046	0.000110047	2.81063E-05	0.000105074	9.90619E-05	0.000109009	0.00011512	3.09582E-05	0.000105074	9.05084E-05	**1279**	0.000104492
9.99283E-05	0.00010563	2.77655E-05	0.000101265	9.87192E-05	0.000104724	0.000110557	3.0228E-05	0.000101265	9.00963E-05	**1280**	0.000100231
9.77593E-05	0.000103321	2.73684E-05	9.81082E-05	9.9757E-05	0.000101959	0.000107624	2.95943E-05	9.81082E-05	9.11316E-05	**1281**	9.80224E-05
9.62722E-05	0.000101738	2.70961E-05	9.50862E-05	0.000100452	9.96562E-05	0.000105187	2.90159E-05	9.50862E-05	9.1831E-05	**1282**	9.64299E-05
9.59561E-05	0.000101396	2.71099E-05	9.3701E-05	0.000100895	9.88016E-05	0.00010428	2.88324E-05	9.3701E-05	9.22813E-05	**1283**	9.60426E-05

9.29731E-05	9.82523E-05	2.61572E-05	9.04775E-05	9.40168E-05	9.56031E-05	0.000100913	2.77859E-05	9.04775E-05	8.66727E-05	**1284**	9.29997E-05
9.06839E-05	9.58275E-05	2.55831E-05	8.81342E-05	9.37656E-05	9.31815E-05	9.83517E-05	2.71448E-05	8.81342E-05	8.64199E-05	**1285**	9.07177E-05
8.86462E-05	9.36756E-05	2.4991E-05	8.7167E-05	9.24092E-05	9.15711E-05	9.66508E-05	2.66894E-05	8.7167E-05	8.50319E-05	**1286**	8.8767E-05
8.94385E-05	9.45239E-05	2.50742E-05	8.80143E-05	9.71734E-05	9.24477E-05	9.75863E-05	2.68144E-05	8.80143E-05	8.84824E-05	**1287**	8.95297E-05
9.46865E-05	0.000100078	2.64471E-05	9.29776E-05	9.41624E-05	9.7795E-05	0.000103239	2.82663E-05	9.29776E-05	8.53977E-05	**1288**	9.47388E-05
0.000104658	0.00011064	2.89443E-05	0.000102476	9.16867E-05	0.000108008	0.000114042	3.09371E-05	0.000102476	8.2862E-05	**1289**	0.000104613
0.00011907	0.000125842	3.3361E-05	0.000114234	9.01907E-05	0.000121686	0.000128459	3.51868E-05	0.000114234	8.13325E-05	**1290**	0.000118918
0.0001309	0.000138221	3.82412E-05	0.000122633	7.48422E-05	0.00013209	0.000139332	3.95838E-05	0.000122633	6.84855E-05	**1291**	0.000130877
0.000132323	0.000139647	3.96335E-05	0.000122174	6.21447E-05	0.000132497	0.000139693	4.05844E-05	0.000122174	5.83886E-05	**1292**	0.000132394
0.000129659	0.000136855	3.85814E-05	0.000117417	5.37577E-05	0.000128781	0.000135778	3.94173E-05	0.000117417	5.12479E-05	**1293**	0.000129826
0.000123417	0.000130341	3.57871E-05	0.000110773	4.77585E-05	0.000122278	0.000128971	3.67924E-05	0.000110773	4.65719E-05	**1294**	0.000123632
0.000112436	0.000118794	3.19641E-05	0.000102947	4.63102E-05	0.000112477	0.000118673	3.33364E-05	0.000102947	4.50937E-05	**1295**	0.000112715
0.000102929	0.000108841	2.81052E-05	9.71162E-05	4.55038E-05	0.000104541	0.000110376	3.0013E-05	9.71162E-05	4.42716E-05	**1296**	0.000103205
8.8042E-05	9.31647E-05	2.32064E-05	8.61764E-05	4.56444E-05	9.10445E-05	9.61742E-05	2.55254E-05	8.61764E-05	4.44349E-05	**1297**	8.84499E-05
8.5727E-05	9.07684E-05	2.19199E-05	8.52689E-05	4.58196E-05	8.94186E-05	9.45018E-05	2.44929E-05	8.52689E-05	4.46174E-05	**1298**	8.60895E-05
8.47176E-05	8.97156E-05	2.14603E-05	8.51687E-05	4.66855E-05	8.88311E-05	9.38926E-05	2.41826E-05	8.51687E-05	4.55116E-05	**1299**	8.5114E-05
8.69158E-05	9.20473E-05	2.19678E-05	8.79439E-05	4.83905E-05	9.14133E-05	9.66249E-05	2.48473E-05	8.79439E-05	4.72659E-05	**1300**	8.73415E-05
9.28904E-05	9.83497E-05	2.37928E-05	9.43516E-05	5.19165E-05	9.78116E-05	0.000103367	2.68609E-05	9.43516E-05	5.08835E-05	**1301**	9.34098E-05
0.000100634	0.000106525	2.60811E-05	0.00010111	5.30379E-05	0.000105386	0.000111355	2.91427E-05	0.00010111	5.1991E-05	**1302**	0.000101114
0.000104046	0.000110047	2.81063E-05	0.000105074	9.90619E-05	0.000109009	0.00011512	3.09582E-05	0.000105074	9.05084E-05	**1303**	0.000104492
9.99283E-05	0.00010563	2.77655E-05	0.000101265	9.87192E-05	0.000104724	0.000110557	3.0228E-05	0.000101265	9.00963E-05	**1304**	0.000100231
9.77593E-05	0.000103321	2.73684E-05	9.81082E-05	9.9757E-05	0.000101959	0.000107624	2.95943E-05	9.81082E-05	9.11316E-05	**1305**	9.80224E-05
9.62722E-05	0.000101738	2.70961E-05	9.50862E-05	0.000100452	9.96562E-05	0.000105187	2.90159E-05	9.50862E-05	9.1831E-05	**1306**	9.64299E-05
9.59561E-05	0.000101396	2.71099E-05	9.3701E-05	0.000100895	9.88016E-05	0.00010428	2.88324E-05	9.3701E-05	9.22813E-05	**1307**	9.60426E-05
9.29731E-05	9.82523E-05	2.61572E-05	9.04775E-05	9.40168E-05	9.56031E-05	0.000100913	2.77859E-05	9.04775E-05	8.66727E-05	**1308**	9.29997E-05
9.06839E-05	9.58275E-05	2.55831E-05	8.81342E-05	9.37656E-05	9.31815E-05	9.83517E-05	2.71448E-05	8.81342E-05	8.64199E-05	**1309**	9.07177E-05
8.86462E-05	9.36756E-05	2.4991E-05	8.7167E-05	9.24092E-05	9.15711E-05	9.66508E-05	2.66894E-05	8.7167E-05	8.50319E-05	**1310**	8.8767E-05
8.94385E-05	9.45239E-05	2.50742E-05	8.80143E-05	9.71734E-05	9.24477E-05	9.75863E-05	2.68144E-05	8.80143E-05	8.84824E-05	**1311**	8.95297E-05
9.46865E-05	0.000100078	2.64471E-05	9.29776E-05	9.41624E-05	9.7795E-05	0.000103239	2.82663E-05	9.29776E-05	8.53977E-05	**1312**	9.47388E-05
0.000104658	0.00011064	2.89443E-05	0.000102476	9.16867E-05	0.000108008	0.000114042	3.09371E-05	0.000102476	8.2862E-05	**1313**	0.000104613
0.00011907	0.000125842	3.3361E-05	0.000114234	9.01907E-05	0.000121686	0.000128459	3.51868E-05	0.000114234	8.13325E-05	**1314**	0.000118918
0.0001309	0.000138221	3.82412E-05	0.000122633	7.48422E-05	0.00013209	0.000139332	3.95838E-05	0.000122633	6.84855E-05	**1315**	0.000130877
0.000132323	0.000139647	3.96335E-05	0.000122174	6.21447E-05	0.000132497	0.000139693	4.05844E-05	0.000122174	5.83886E-05	**1316**	0.000132394
0.000129659	0.000136855	3.85814E-05	0.000117417	5.37577E-05	0.000128781	0.000135778	3.94173E-05	0.000117417	5.12479E-05	**1317**	0.000129826
0.000123417	0.000130341	3.57871E-05	0.000110773	4.77585E-05	0.000122278	0.000128971	3.67924E-05	0.000110773	4.65719E-05	**1318**	0.000123632
0.000112436	0.000118794	3.19641E-05	0.000102947	4.63102E-05	0.000112477	0.000118673	3.33364E-05	0.000102947	4.50937E-05	**1319**	0.000112715
0.000102929	0.000108841	2.81052E-05	9.71162E-05	4.55038E-05	0.000104541	0.000110376	3.0013E-05	9.71162E-05	4.42716E-05	**1320**	0.000103205
8.8042E-05	9.31647E-05	2.32064E-05	8.61764E-05	4.56444E-05	9.10445E-05	9.61742E-05	2.55254E-05	8.61764E-05	4.44349E-05	**1321**	8.84499E-05
8.5727E-05	9.07684E-05	2.19199E-05	8.52689E-05	4.58196E-05	8.94186E-05	9.45018E-05	2.44929E-05	8.52689E-05	4.46174E-05	**1322**	8.60895E-05
8.47176E-05	8.97156E-05	2.14603E-05	8.51687E-05	4.66855E-05	8.88311E-05	9.38926E-05	2.41826E-05	8.51687E-05	4.55116E-05	**1323**	8.5114E-05
8.69158E-05	9.20473E-05	2.19678E-05	8.79439E-05	4.83905E-05	9.14133E-05	9.66249E-05	2.48473E-05	8.79439E-05	4.72659E-05	**1324**	8.73415E-05
9.28904E-05	9.83497E-05	2.37928E-05	9.43516E-05	5.19165E-05	9.78116E-05	0.000103367	2.68609E-05	9.43516E-05	5.08835E-05	**1325**	9.34098E-05
0.000100634	0.000106525	2.60811E-05	0.00010111	5.30379E-05	0.000105386	0.000111355	2.91427E-05	0.00010111	5.1991E-05	**1326**	0.000101114
0.000104046	0.000110047	2.81063E-05	0.000105074	9.90619E-05	0.000109009	0.00011512	3.09582E-05	0.000105074	9.05084E-05	**1327**	0.000104492
9.99283E-05	0.00010563	2.77655E-05	0.000101265	9.87192E-05	0.000104724	0.000110557	3.0228E-05	0.000101265	9.00963E-05	**1328**	0.000100231
9.77593E-05	0.000103321	2.73684E-05	9.81082E-05	9.9757E-05	0.000101959	0.000107624	2.95943E-05	9.81082E-05	9.11316E-05	**1329**	9.80224E-05
9.62722E-05	0.000101738	2.70961E-05	9.50862E-05	0.000100452	9.96562E-05	0.000105187	2.90159E-05	9.50862E-05	9.1831E-05	**1330**	9.64299E-05
9.59561E-05	0.000101396	2.71099E-05	9.3701E-05	0.000100895	9.88016E-05	0.00010428	2.88324E-05	9.3701E-05	9.22813E-05	**1331**	9.60426E-05
9.29731E-05	9.82523E-05	2.61572E-05	9.04775E-05	9.40168E-05	9.56031E-05	0.000100913	2.77859E-05	9.04775E-05	8.66727E-05	**1332**	9.29997E-05
9.06839E-05	9.58275E-05	2.55831E-05	8.81342E-05	9.37656E-05	9.31815E-05	9.83517E-05	2.71448E-05	8.81342E-05	8.64199E-05	**1333**	9.07177E-05
8.86462E-05	9.36756E-05	2.4991E-05	8.7167E-05	9.24092E-05	9.15711E-05	9.66508E-05	2.66894E-05	8.7167E-05	8.50319E-05	**1334**	8.8767E-05
8.94385E-05	9.45239E-05	2.50742E-05	8.80143E-05	9.71734E-05	9.24477E-05	9.75863E-05	2.68144E-05	8.80143E-05	8.84824E-05	**1335**	8.95297E-05
9.46865E-05	0.000100078	2.64471E-05	9.29776E-05	9.41624E-05	9.7795E-05	0.000103239	2.82663E-05	9.29776E-05	8.53977E-05	**1336**	9.47388E-05
0.000104658	0.00011064	2.89443E-05	0.000102476	9.16867E-05	0.000108008	0.000114042	3.09371E-05	0.000102476	8.2862E-05	**1337**	0.000104613
0.00011907	0.000125842	3.3361E-05	0.000114234	9.01907E-05	0.000121686	0.000128459	3.51868E-05	0.000114234	8.13325E-05	**1338**	0.000118918
0.0001309	0.000138221	3.82412E-05	0.000122633	7.48422E-05	0.00013209	0.000139332	3.95838E-05	0.000122633	6.84855E-05	**1339**	0.000130877
0.000132323	0.000139647	3.96335E-05	0.000122174	6.21447E-05	0.000132497	0.000139693	4.05844E-05	0.000122174	5.83886E-05	**1340**	0.000132394
0.000129659	0.000136855	3.85814E-05	0.000117417	5.37577E-05	0.000128781	0.000135778	3.94173E-05	0.000117417	5.12479E-05	**1341**	0.000129826
0.000123417	0.000130341	3.57871E-05	0.000110773	4.77585E-05	0.000122278	0.000128971	3.67924E-05	0.000110773	4.65719E-05	**1342**	0.000123632
0.000112436	0.000118794	3.19641E-05	0.000102947	4.63102E-05	0.000112477	0.000118673	3.33364E-05	0.000102947	4.50937E-05	**1343**	0.000112715
0.000102929	0.000108841	2.81052E-05	9.71162E-05	4.55038E-05	0.000104541	0.000110376	3.0013E-05	9.71162E-05	4.42716E-05	**1344**	0.000103205
8.8042E-05	9.31647E-05	2.32064E-05	8.61764E-05	4.56444E-05	9.10445E-05	9.61742E-05	2.55254E-05	8.61764E-05	4.44349E-05	**1345**	8.84499E-05
8.5727E-05	9.07684E-05	2.19199E-05	8.52689E-05	4.58196E-05	8.94186E-05	9.45018E-05	2.44929E-05	8.52689E-05	4.46174E-05	**1346**	8.60895E-05
8.47176E-05	8.97156E-05	2.14603E-05	8.51687E-05	4.66855E-05	8.88311E-05	9.38926E-05	2.41826E-05	8.51687E-05	4.55116E-05	**1347**	8.5114E-05
8.69158E-05	9.20473E-05	2.19678E-05	8.79439E-05	4.83905E-05	9.14133E-05	9.66249E-05	2.48473E-05	8.79439E-05	4.72659E-05	**1348**	8.73415E-05
9.28904E-05	9.83497E-05	2.37928E-05	9.43516E-05	5.19165E-05	9.78116E-05	0.000103367	2.68609E-05	9.43516E-05	5.08835E-05	**1349**	9.34098E-05
0.000100634	0.000106525	2.60811E-05	0.00010111	5.30379E-05	0.000105386	0.000111355	2.91427E-05	0.00010111	5.1991E-05	**1350**	0.000101114
0.000104046	0.000110047	2.81063E-05	0.000105074	9.90619E-05	0.000109009	0.00011512	3.09582E-05	0.000105074	9.05084E-05	**1351**	0.000104492
9.99283E-05	0.00010563	2.77655E-05	0.000101265	9.87192E-05	0.000104724	0.000110557	3.0228E-05	0.000101265	9.00963E-05	**1352**	0.000100231
9.77593E-05	0.000103321	2.73684E-05	9.81082E-05	9.9757E-05	0.000101959	0.000107624	2.95943E-05	9.81082E-05	9.11316E-05	**1353**	9.80224E-05
9.62722E-05	0.000101738	2.70961E-05	9.50862E-05	0.000100452	9.96562E-05	0.000105187	2.90159E-05	9.50862E-05	9.1831E-05	**1354**	9.64299E-05
9.59561E-05	0.000101396	2.71099E-05	9.3701E-05	0.000100895	9.88016E-05	0.00010428	2.88324E-05	9.3701E-05	9.22813E-05	**1355**	9.60426E-05
9.29731E-05	9.82523E-05	2.61572E-05	9.04775E-05	9.40168E-05	9.56031E-05	0.000100913	2.77859E-05	9.04775E-05	8.66727E-05	**1356**	9.29997E-05
9.06839E-05	9.58275E-05	2.55831E-05	8.81342E-05	9.37656E-05	9.31815E-05	9.83517E-05	2.71448E-05	8.81342E-05	8.64199E-05	**1357**	9.07177E-05
8.86462E-05	9.36756E-05	2.4991E-05	8.7167E-05	9.24092E-05	9.15711E-05	9.66508E-05	2.66894E-05	8.7167E-05	8.50319E-05	**1358**	8.8767E-05
8.94385E-05	9.45239E-05	2.50742E-05	8.80143E-05	9.71734E-05	9.24477E-05	9.75863E-05	2.68144E-05	8.80143E-05	8.84824E-05	**1359**	8.95297E-05

9.46865E-05	0.000100078	2.64471E-05	9.29776E-05	9.41624E-05	9.7795E-05	0.000103239	2.82663E-05	9.29776E-05	8.53977E-05	**1360**	9.47388E-05
0.000104658	0.00011064	2.89443E-05	0.000102476	9.16867E-05	0.000108008	0.000114042	3.09371E-05	0.000102476	8.2862E-05	**1361**	0.000104613
0.00011907	0.000125842	3.3361E-05	0.000114234	9.01907E-05	0.000121686	0.000128459	3.51868E-05	0.000114234	8.13325E-05	**1362**	0.000118918
0.0001309	0.000138221	3.82412E-05	0.000122633	7.48422E-05	0.00013209	0.000139332	3.95838E-05	0.000122633	6.84855E-05	**1363**	0.000130877
0.000132323	0.000139647	3.96335E-05	0.000122174	6.21447E-05	0.000132497	0.000139693	4.05844E-05	0.000122174	5.83886E-05	**1364**	0.000132394
0.000129659	0.000136855	3.85814E-05	0.000117417	5.37577E-05	0.000128781	0.000135778	3.94173E-05	0.000117417	5.12479E-05	**1365**	0.000129826
0.000123417	0.000130341	3.57871E-05	0.000110773	4.77585E-05	0.000122278	0.000128971	3.67924E-05	0.000110773	4.65719E-05	**1366**	0.000123632
0.000112436	0.000118794	3.19641E-05	0.000102947	4.63102E-05	0.000112477	0.000118673	3.33364E-05	0.000102947	4.50937E-05	**1367**	0.000112715
0.000102929	0.000108841	2.81052E-05	9.71162E-05	4.55038E-05	0.000104541	0.000110376	3.0013E-05	9.71162E-05	4.42716E-05	**1368**	0.000103205
8.89006E-05	9.40738E-05	2.34258E-05	8.71478E-05	4.53687E-05	9.19959E-05	9.71797E-05	2.57851E-05	8.71478E-05	4.41511E-05	**1369**	8.93153E-05
8.62556E-05	9.13264E-05	2.20762E-05	8.59766E-05	4.58831E-05	9.00524E-05	9.51698E-05	2.469E-05	8.59766E-05	4.46822E-05	**1370**	8.66379E-05
8.52449E-05	9.02725E-05	2.16125E-05	8.5856E-05	4.6823E-05	8.94551E-05	9.45506E-05	2.43728E-05	8.5856E-05	4.56521E-05	**1371**	8.56583E-05
8.74684E-05	9.26322E-05	2.21118E-05	8.85837E-05	4.85573E-05	9.2032E-05	9.72786E-05	2.50194E-05	8.85837E-05	4.74366E-05	**1372**	8.79006E-05
9.3646E-05	9.91489E-05	2.39974E-05	9.52659E-05	5.22069E-05	9.86749E-05	0.000104278	2.71096E-05	9.52659E-05	5.11813E-05	**1373**	9.41799E-05
0.000101552	0.000107496	2.63222E-05	0.000102183	5.34374E-05	0.000106418	0.000112445	2.94317E-05	0.000102183	5.24007E-05	**1374**	0.000102044
0.00010644	0.000112604	2.84306E-05	0.000106394	9.95077E-05	0.000111053	0.000117294	3.13394E-05	0.000106394	9.09653E-05	**1375**	0.000106912
0.000100388	0.000106114	2.79132E-05	0.000101942	9.93502E-05	0.000105302	0.000111165	3.04202E-05	0.000101942	9.07417E-05	**1376**	0.000100717
9.81719E-05	0.000103755	2.75053E-05	9.87378E-05	0.000100521	0.000102487	0.00010818	2.97744E-05	9.87378E-05	9.19119E-05	**1377**	9.84614E-05
9.6604E-05	0.000102089	2.71839E-05	9.54774E-05	0.000101291	0.000100031	0.000105582	2.91216E-05	9.54774E-05	9.26877E-05	**1378**	9.67666E-05
9.63366E-05	0.000101798	2.72108E-05	9.41505E-05	0.000101695	9.92315E-05	0.000104734	2.89539E-05	9.41505E-05	9.30977E-05	**1379**	9.64288E-05
9.33123E-05	9.86109E-05	2.62494E-05	9.08898E-05	9.48375E-05	9.59915E-05	0.000101323	2.78981E-05	9.08898E-05	8.75102E-05	**1380**	9.33456E-05
9.10363E-05	9.61997E-05	2.56848E-05	8.85929E-05	9.45637E-05	9.35983E-05	9.87912E-05	2.72717E-05	8.85929E-05	8.72337E-05	**1381**	9.10814E-05
8.88548E-05	9.3893E-05	2.50877E-05	8.76278E-05	9.31181E-05	9.19008E-05	9.69955E-05	2.68289E-05	8.76278E-05	8.57552E-05	**1382**	8.90092E-05
8.97355E-05	9.48357E-05	2.51838E-05	8.8525E-05	9.77313E-05	9.28533E-05	9.8012E-05	2.69636E-05	8.8525E-05	8.90511E-05	**1383**	8.98538E-05
9.51248E-05	0.00010054	2.6587E-05	9.36177E-05	9.45579E-05	9.83439E-05	0.000103816	2.84478E-05	9.36177E-05	8.58009E-05	**1384**	9.52011E-05
0.00010516	0.000111171	2.90878E-05	0.000103123	9.20195E-05	0.000108599	0.000114665	3.11156E-05	0.000103123	8.32016E-05	**1385**	0.000105131
0.000119837	0.000126653	3.3572E-05	0.00011518	9.04816E-05	0.000122571	0.000129392	3.54451E-05	0.00011518	8.16295E-05	**1386**	0.000119703
0.000131708	0.000139075	3.84701E-05	0.000123663	7.50409E-05	0.000133036	0.00014033	3.98675E-05	0.000123663	6.86883E-05	**1387**	0.000131708
0.000133105	0.000140473	3.98467E-05	0.000123128	6.22638E-05	0.000133393	0.000140639	4.08443E-05	0.000123128	5.85094E-05	**1388**	0.000133191
0.000128988	0.00013612	3.87166E-05	0.000118146	5.38762E-05	0.00012869	0.000135666	3.95909E-05	0.000118146	5.13681E-05	**1389**	0.000129156
0.000124134	0.0001311	3.59763E-05	0.000111615	4.7907E-05	0.000123086	0.000129824	3.70198E-05	0.000111615	4.67229E-05	**1390**	0.000124359
0.000113143	0.000119542	3.21503E-05	0.000103775	4.63441E-05	0.000113273	0.000119514	3.35599E-05	0.000103775	4.51262E-05	**1391**	0.000113431
0.000103526	0.000109472	2.8272E-05	9.78656E-05	4.53652E-05	0.000105235	0.000111108	3.02187E-05	9.78656E-05	4.41264E-05	**1392**	0.000103818
8.89006E-05	9.40738E-05	2.34258E-05	8.71478E-05	4.53687E-05	9.19959E-05	9.71797E-05	2.57851E-05	8.71478E-05	4.41511E-05	**1393**	8.93153E-05
8.62556E-05	9.13264E-05	2.20762E-05	8.59766E-05	4.58831E-05	9.00524E-05	9.51698E-05	2.469E-05	8.59766E-05	4.46822E-05	**1394**	8.66379E-05
8.52449E-05	9.02725E-05	2.16125E-05	8.5856E-05	4.6823E-05	8.94551E-05	9.45506E-05	2.43728E-05	8.5856E-05	4.56521E-05	**1395**	8.56583E-05
8.74684E-05	9.26322E-05	2.21118E-05	8.85837E-05	4.85573E-05	9.2032E-05	9.72786E-05	2.50194E-05	8.85837E-05	4.74366E-05	**1396**	8.79006E-05
9.3646E-05	9.91489E-05	2.39974E-05	9.52659E-05	5.22069E-05	9.86749E-05	0.000104278	2.71096E-05	9.52659E-05	5.11813E-05	**1397**	9.41799E-05
0.000101552	0.000107496	2.63222E-05	0.000102183	5.34374E-05	0.000106418	0.000112445	2.94317E-05	0.000102183	5.24007E-05	**1398**	0.000102044
0.00010644	0.000112604	2.84306E-05	0.000106394	9.95077E-05	0.000111053	0.000117294	3.13394E-05	0.000106394	9.09653E-05	**1399**	0.000106912
0.000100388	0.000106114	2.79132E-05	0.000101942	9.93502E-05	0.000105302	0.000111165	3.04202E-05	0.000101942	9.07417E-05	**1400**	0.000100717
9.81719E-05	0.000103755	2.75053E-05	9.87378E-05	0.000100521	0.000102487	0.00010818	2.97744E-05	9.87378E-05	9.19119E-05	**1401**	9.84614E-05
9.6604E-05	0.000102089	2.71839E-05	9.54774E-05	0.000101291	0.000100031	0.000105582	2.91216E-05	9.54774E-05	9.26877E-05	**1402**	9.67666E-05
9.63366E-05	0.000101798	2.72108E-05	9.41505E-05	0.000101695	9.92315E-05	0.000104734	2.89539E-05	9.41505E-05	9.30977E-05	**1403**	9.64288E-05
9.33123E-05	9.86109E-05	2.62494E-05	9.08898E-05	9.48375E-05	9.59915E-05	0.000101323	2.78981E-05	9.08898E-05	8.75102E-05	**1404**	9.33456E-05
9.10363E-05	9.61997E-05	2.56848E-05	8.85929E-05	9.45637E-05	9.35983E-05	9.87912E-05	2.72717E-05	8.85929E-05	8.72337E-05	**1405**	9.10814E-05
8.88548E-05	9.3893E-05	2.50877E-05	8.76278E-05	9.31181E-05	9.19008E-05	9.69955E-05	2.68289E-05	8.76278E-05	8.57552E-05	**1406**	8.90092E-05
8.97355E-05	9.48357E-05	2.51838E-05	8.8525E-05	9.77313E-05	9.28533E-05	9.8012E-05	2.69636E-05	8.8525E-05	8.90511E-05	**1407**	8.98538E-05
9.51248E-05	0.00010054	2.6587E-05	9.36177E-05	9.45579E-05	9.83439E-05	0.000103816	2.84478E-05	9.36177E-05	8.58009E-05	**1408**	9.52011E-05
0.00010516	0.000111171	2.90878E-05	0.000103123	9.20195E-05	0.000108599	0.000114665	3.11156E-05	0.000103123	8.32016E-05	**1409**	0.000105131
0.000119837	0.000126653	3.3572E-05	0.00011518	9.04816E-05	0.000122571	0.000129392	3.54451E-05	0.00011518	8.16295E-05	**1410**	0.000119703
0.000131708	0.000139075	3.84701E-05	0.000123663	7.50409E-05	0.000133036	0.00014033	3.98675E-05	0.000123663	6.86883E-05	**1411**	0.000131708
0.000133105	0.000140473	3.98467E-05	0.000123128	6.22638E-05	0.000133393	0.000140639	4.08443E-05	0.000123128	5.85094E-05	**1412**	0.000133191
0.000128988	0.00013612	3.87166E-05	0.000118146	5.38762E-05	0.00012869	0.000135666	3.95909E-05	0.000118146	5.13681E-05	**1413**	0.000129156
0.000124134	0.0001311	3.59763E-05	0.000111615	4.7907E-05	0.000123086	0.000129824	3.70198E-05	0.000111615	4.67229E-05	**1414**	0.000124359
0.000113143	0.000119542	3.21503E-05	0.000103775	4.63441E-05	0.000113273	0.000119514	3.35599E-05	0.000103775	4.51262E-05	**1415**	0.000113431
0.000103526	0.000109472	2.8272E-05	9.78656E-05	4.53652E-05	0.000105235	0.000111108	3.02187E-05	9.78656E-05	4.41264E-05	**1416**	0.000103818
2.09761E-05	2.21778E-05	5.76589E-06	2.1244E-05	4.56444E-05	2.23192E-05	2.3573E-05	6.30438E-06	2.1244E-05	4.44349E-05	**1417**	2.29087E-05
2.03966E-05	2.15781E-05	5.4428E-06	2.10167E-05	4.58196E-05	2.19114E-05	2.31537E-05	6.04498E-06	2.10167E-05	4.46174E-05	**1418**	2.23205E-05
2.01534E-05	2.13248E-05	5.32713E-06	2.09917E-05	4.66855E-05	2.17682E-05	2.30054E-05	5.96636E-06	2.09917E-05	4.55116E-05	**1419**	2.20692E-05
2.06731E-05	2.18756E-05	5.45273E-06	2.16756E-05	4.83905E-05	2.24008E-05	2.36747E-05	6.12968E-06	2.16756E-05	4.72659E-05	**1420**	2.26492E-05
2.21052E-05	2.3385E-05	5.90712E-06	2.32571E-05	5.19165E-05	2.39743E-05	2.53324E-05	6.62775E-06	2.32571E-05	5.08835E-05	**1421**	2.4213E-05
2.39423E-05	2.53221E-05	6.47801E-06	2.4923E-05	5.30379E-05	2.58257E-05	2.72844E-05	7.19406E-06	2.4923E-05	5.1991E-05	**1422**	2.62169E-05
2.47318E-05	2.61336E-05	6.98945E-06	2.59023E-05	9.90619E-05	2.67043E-05	2.81961E-05	7.65044E-06	2.59023E-05	9.05084E-05	**1423**	2.71154E-05
2.37147E-05	2.50423E-05	6.91137E-06	2.4963E-05	9.87192E-05	2.5638E-05	2.70599E-05	7.47651E-06	2.4963E-05	9.00963E-05	**1424**	2.60468E-05
2.32051E-05	2.45001E-05	6.81388E-06	2.41852E-05	9.9757E-05	2.49608E-05	2.63419E-05	7.32176E-06	2.41852E-05	9.11316E-05	**1425**	2.54693E-05
2.28479E-05	2.412E-05	6.74775E-06	2.34394E-05	0.000100452	2.43917E-05	2.57392E-05	7.18127E-06	2.34394E-05	9.1831E-05	**1426**	2.50611E-05
2.27701E-05	2.40357E-05	6.75239E-06	2.30973E-05	0.000100895	2.41787E-05	2.55129E-05	7.13768E-06	2.30973E-05	9.22813E-05	**1427**	2.49642E-05
2.20521E-05	2.32797E-05	6.51509E-06	2.23013E-05	9.40168E-05	2.33908E-05	2.46836E-05	6.87873E-06	2.23013E-05	8.66727E-05	**1428**	2.41827E-05
2.15128E-05	2.2709E-05	6.37238E-06	2.17242E-05	9.37656E-05	2.27996E-05	2.40585E-05	6.72039E-06	2.17242E-05	8.64199E-05	**1429**	2.35862E-05
2.10374E-05	2.22078E-05	6.22397E-06	2.1487E-05	9.24092E-05	2.24115E-05	2.3649E-05	6.60614E-06	2.1487E-05	8.50319E-05	**1430**	2.30707E-05
2.12166E-05	2.23996E-05	6.2443E-06	2.16948E-05	9.71734E-05	2.26224E-05	2.3874E-05	6.63657E-06	2.16948E-05	8.84824E-05	**1431**	2.32767E-05
2.24532E-05	2.37068E-05	6.58614E-06	2.29171E-05	9.41624E-05	2.39268E-05	2.52524E-05	6.99592E-06	2.29171E-05	8.53977E-05	**1432**	2.46387E-05
2.47958E-05	2.61854E-05	7.20757E-06	2.52553E-05	9.16867E-05	2.64152E-05	2.78838E-05	7.6565E-06	2.52553E-05	8.2862E-05	**1433**	2.72267E-05
2.82179E-05	2.97908E-05	8.31049E-06	2.81535E-05	9.01907E-05	2.97579E-05	3.14056E-05	8.71289E-06	2.81535E-05	8.13325E-05	**1434**	3.09457E-05
3.10997E-05	3.28038E-05	9.53238E-06	3.02327E-05	7.48422E-05	3.23286E-05	3.40916E-05	9.81042E-06	3.02327E-05	6.84855E-05	**1435**	3.39912E-05

3.14871E-05	3.3194E-05	9.88312E-06	3.01257E-05	6.21447E-05	3.24454E-05	3.41977E-05	1.00637E-05	3.01257E-05	5.83886E-05	**1436**	3.43433E-05
3.09123E-05	3.25948E-05	9.61716E-06	2.89552E-05	5.37577E-05	3.15567E-05	3.32623E-05	9.77224E-06	2.89552E-05	5.12479E-05	**1437**	3.3624E-05
2.9454E-05	3.10768E-05	8.91416E-06	2.73155E-05	4.77585E-05	2.99747E-05	3.16078E-05	9.11549E-06	2.73155E-05	4.65719E-05	**1438**	3.19907E-05
2.68259E-05	2.83167E-05	7.95774E-06	2.53842E-05	4.63102E-05	2.75735E-05	2.90861E-05	8.25364E-06	2.53842E-05	4.50937E-05	**1439**	2.91693E-05
2.45227E-05	2.59079E-05	6.99082E-06	2.39416E-05	4.55038E-05	2.56192E-05	2.70439E-05	7.42252E-06	2.39416E-05	4.42716E-05	**1440**	2.67358E-05
7.48193E-05	7.91884E-05	1.95209E-05	6.96021E-05	4.50278E-05	7.56846E-05	7.99673E-05	2.09835E-05	6.96021E-05	4.37837E-05	**1441**	7.48958E-05
7.29046E-05	7.72135E-05	1.83677E-05	6.93159E-05	4.52823E-05	7.45763E-05	7.88393E-05	2.01279E-05	6.93159E-05	4.40498E-05	**1442**	7.29624E-05
7.3227E-05	7.7574E-05	1.82082E-05	7.05174E-05	4.64428E-05	7.53747E-05	7.96984E-05	2.01501E-05	7.05174E-05	4.52484E-05	**1443**	7.32999E-05
7.69948E-05	8.157E-05	1.90878E-05	7.49185E-05	4.91845E-05	7.96304E-05	8.42021E-05	2.12384E-05	7.49185E-05	4.80642E-05	**1444**	7.70882E-05
8.38202E-05	8.87798E-05	2.10487E-05	8.18631E-05	5.28821E-05	8.67847E-05	9.175E-05	2.33652E-05	8.18631E-05	5.18467E-05	**1445**	8.39538E-05
9.05851E-05	9.59123E-05	2.31603E-05	8.78899E-05	5.39182E-05	9.34389E-05	9.87596E-05	2.54794E-05	8.78899E-05	5.2862E-05	**1446**	9.07248E-05
9.16311E-05	9.69254E-05	2.46226E-05	8.93847E-05	9.9884E-05	9.45313E-05	9.98458E-05	2.66512E-05	8.93847E-05	9.13119E-05	**1447**	9.17471E-05
8.6968E-05	9.19288E-05	2.41809E-05	8.51536E-05	9.88791E-05	8.97274E-05	9.47307E-05	2.58227E-05	8.51536E-05	9.02254E-05	**1448**	8.69647E-05
8.31404E-05	8.78659E-05	2.33308E-05	7.99668E-05	9.98318E-05	8.50568E-05	8.97874E-05	2.46358E-05	7.99668E-05	9.11772E-05	**1449**	8.30625E-05
8.14782E-05	8.60925E-05	2.30763E-05	7.70683E-05	0.000100341	8.27013E-05	8.72882E-05	2.41142E-05	7.70683E-05	9.16795E-05	**1450**	8.13392E-05
8.05344E-05	8.50852E-05	2.29365E-05	7.50055E-05	0.000101085	8.11653E-05	8.56603E-05	2.37523E-05	7.50055E-05	9.24327E-05	**1451**	8.0324E-05
7.85626E-05	8.30149E-05	2.22113E-05	7.2768E-05	9.43185E-05	7.9018E-05	8.34072E-05	2.29576E-05	7.2768E-05	8.69323E-05	**1452**	7.82777E-05
7.77389E-05	8.21455E-05	2.19664E-05	7.18477E-05	9.47421E-05	7.81172E-05	8.24576E-05	2.26797E-05	7.18477E-05	8.73679E-05	**1453**	7.74395E-05
7.58397E-05	8.01417E-05	2.13912E-05	7.09437E-05	9.39812E-05	7.66194E-05	8.08773E-05	2.22341E-05	7.09437E-05	8.65923E-05	**1454**	7.5615E-05
7.68744E-05	8.12366E-05	2.16628E-05	7.27217E-05	9.89156E-05	7.80524E-05	8.23896E-05	2.26552E-05	7.27217E-05	9.02198E-05	**1455**	7.67151E-05
8.09364E-05	8.55282E-05	2.28196E-05	7.67928E-05	9.54617E-05	8.22827E-05	8.68535E-05	2.39016E-05	7.67928E-05	8.66865E-05	**1456**	8.07928E-05
8.78166E-05	9.28143E-05	2.45628E-05	8.29778E-05	9.20775E-05	8.9151E-05	9.41187E-05	2.57004E-05	8.29778E-05	8.32238E-05	**1457**	8.75778E-05
9.82341E-05	0.000103776	2.8093E-05	9.09008E-05	9.00521E-05	9.87031E-05	0.000104162	2.89767E-05	9.09008E-05	8.11517E-05	**1458**	9.79542E-05
0.000108622	0.00011463	3.25909E-05	9.7574E-05	7.46031E-05	0.000107467	0.000113304	3.29096E-05	9.7574E-05	6.82139E-05	**1459**	0.000108447
0.000111871	0.000117989	3.44403E-05	9.91205E-05	6.20775E-05	0.00010987	0.000115775	3.44438E-05	9.91205E-05	5.82976E-05	**1460**	0.000111796
0.000110594	0.000116667	3.37385E-05	9.59115E-05	5.35667E-05	0.000107682	0.000113475	3.36892E-05	9.59115E-05	5.10327E-05	**1461**	0.000110625
0.000104831	0.000110662	3.10361E-05	8.96606E-05	4.73234E-05	0.000101645	0.000107163	3.11573E-05	8.96606E-05	4.61066E-05	**1462**	0.000104892
9.51945E-05	0.000100546	2.74652E-05	8.28965E-05	4.58368E-05	9.31322E-05	9.82355E-05	2.79492E-05	8.28965E-05	4.45912E-05	**1463**	9.5264E-05
8.64502E-05	9.14033E-05	2.37611E-05	7.77396E-05	4.508E-05	8.59586E-05	9.07477E-05	2.4789E-05	7.77396E-05	4.38216E-05	**1464**	8.64951E-05
7.48193E-05	7.91884E-05	1.95209E-05	6.96021E-05	4.50278E-05	7.56846E-05	7.99673E-05	2.09835E-05	6.96021E-05	4.37837E-05	**1465**	7.48958E-05
7.29046E-05	7.72135E-05	1.83677E-05	6.93159E-05	4.52823E-05	7.45763E-05	7.88393E-05	2.01279E-05	6.93159E-05	4.40498E-05	**1466**	7.29624E-05
7.3227E-05	7.7574E-05	1.82082E-05	7.05174E-05	4.64428E-05	7.53747E-05	7.96984E-05	2.01501E-05	7.05174E-05	4.52484E-05	**1467**	7.32999E-05
7.69948E-05	8.157E-05	1.90878E-05	7.49185E-05	4.91845E-05	7.96304E-05	8.42021E-05	2.12384E-05	7.49185E-05	4.80642E-05	**1468**	7.70882E-05
8.38202E-05	8.87798E-05	2.10487E-05	8.18631E-05	5.28821E-05	8.67847E-05	9.175E-05	2.33652E-05	8.18631E-05	5.18467E-05	**1469**	8.39538E-05
9.05851E-05	9.59123E-05	2.31603E-05	8.78899E-05	5.39182E-05	9.34389E-05	9.87596E-05	2.54794E-05	8.78899E-05	5.2862E-05	**1470**	9.07248E-05
9.16311E-05	9.69254E-05	2.46226E-05	8.93847E-05	9.9884E-05	9.45313E-05	9.98458E-05	2.66512E-05	8.93847E-05	9.13119E-05	**1471**	9.17471E-05
8.6968E-05	9.19288E-05	2.41809E-05	8.51536E-05	9.88791E-05	8.97274E-05	9.47307E-05	2.58227E-05	8.51536E-05	9.02254E-05	**1472**	8.69647E-05
8.31404E-05	8.78659E-05	2.33308E-05	7.99668E-05	9.98318E-05	8.50568E-05	8.97874E-05	2.46358E-05	7.99668E-05	9.11772E-05	**1473**	8.30625E-05
8.14782E-05	8.60925E-05	2.30763E-05	7.70683E-05	0.000100341	8.27013E-05	8.72882E-05	2.41142E-05	7.70683E-05	9.16795E-05	**1474**	8.13392E-05
8.05344E-05	8.50852E-05	2.29365E-05	7.50055E-05	0.000101085	8.11653E-05	8.56603E-05	2.37523E-05	7.50055E-05	9.24327E-05	**1475**	8.0324E-05
7.85626E-05	8.30149E-05	2.22113E-05	7.2768E-05	9.43185E-05	7.9018E-05	8.34072E-05	2.29576E-05	7.2768E-05	8.69323E-05	**1476**	7.82777E-05
7.77389E-05	8.21455E-05	2.19664E-05	7.18477E-05	9.47421E-05	7.81172E-05	8.24576E-05	2.26797E-05	7.18477E-05	8.73679E-05	**1477**	7.74395E-05
7.58397E-05	8.01417E-05	2.13912E-05	7.09437E-05	9.39812E-05	7.66194E-05	8.08773E-05	2.22341E-05	7.09437E-05	8.65923E-05	**1478**	7.5615E-05
7.68744E-05	8.12366E-05	2.16628E-05	7.27217E-05	9.89156E-05	7.80524E-05	8.23896E-05	2.26552E-05	7.27217E-05	9.02198E-05	**1479**	7.67151E-05
8.09364E-05	8.55282E-05	2.28196E-05	7.67928E-05	9.54617E-05	8.22827E-05	8.68535E-05	2.39016E-05	7.67928E-05	8.66865E-05	**1480**	8.07928E-05
8.78166E-05	9.28143E-05	2.45628E-05	8.29778E-05	9.20775E-05	8.9151E-05	9.41187E-05	2.57004E-05	8.29778E-05	8.32238E-05	**1481**	8.75778E-05
9.82341E-05	0.000103776	2.8093E-05	9.09008E-05	9.00521E-05	9.87031E-05	0.000104162	2.89767E-05	9.09008E-05	8.11517E-05	**1482**	9.79542E-05
0.000108622	0.00011463	3.25909E-05	9.7574E-05	7.46031E-05	0.000107467	0.000113304	3.29096E-05	9.7574E-05	6.82139E-05	**1483**	0.000108447
0.000111871	0.000117989	3.44403E-05	9.91205E-05	6.20775E-05	0.00010987	0.000115775	3.44438E-05	9.91205E-05	5.82976E-05	**1484**	0.000111796
0.000110594	0.000116667	3.37385E-05	9.59115E-05	5.35667E-05	0.000107682	0.000113475	3.36892E-05	9.59115E-05	5.10327E-05	**1485**	0.000110625
0.000104831	0.000110662	3.10361E-05	8.96606E-05	4.73234E-05	0.000101645	0.000107163	3.11573E-05	8.96606E-05	4.61066E-05	**1486**	0.000104892
9.51945E-05	0.000100546	2.74652E-05	8.28965E-05	4.58368E-05	9.31322E-05	9.82355E-05	2.79492E-05	8.28965E-05	4.45912E-05	**1487**	9.5264E-05
8.64502E-05	9.14033E-05	2.37611E-05	7.77396E-05	4.508E-05	8.59586E-05	9.07477E-05	2.4789E-05	7.77396E-05	4.38216E-05	**1488**	8.64951E-05
7.48193E-05	7.91884E-05	1.95209E-05	6.96021E-05	4.50278E-05	7.56846E-05	7.99673E-05	2.09835E-05	6.96021E-05	4.37837E-05	**1489**	7.48958E-05
7.29046E-05	7.72135E-05	1.83677E-05	6.93159E-05	4.52823E-05	7.45763E-05	7.88393E-05	2.01279E-05	6.93159E-05	4.40498E-05	**1490**	7.29624E-05
7.3227E-05	7.7574E-05	1.82082E-05	7.05174E-05	4.64428E-05	7.53747E-05	7.96984E-05	2.01501E-05	7.05174E-05	4.52484E-05	**1491**	7.32999E-05
7.69948E-05	8.157E-05	1.90878E-05	7.49185E-05	4.91845E-05	7.96304E-05	8.42021E-05	2.12384E-05	7.49185E-05	4.80642E-05	**1492**	7.70882E-05
8.38202E-05	8.87798E-05	2.10487E-05	8.18631E-05	5.28821E-05	8.67847E-05	9.175E-05	2.33652E-05	8.18631E-05	5.18467E-05	**1493**	8.39538E-05
9.05851E-05	9.59123E-05	2.31603E-05	8.78899E-05	5.39182E-05	9.34389E-05	9.87596E-05	2.54794E-05	8.78899E-05	5.2862E-05	**1494**	9.07248E-05
9.16311E-05	9.69254E-05	2.46226E-05	8.93847E-05	9.9884E-05	9.45313E-05	9.98458E-05	2.66512E-05	8.93847E-05	9.13119E-05	**1495**	9.17471E-05
8.6968E-05	9.19288E-05	2.41809E-05	8.51536E-05	9.88791E-05	8.97274E-05	9.47307E-05	2.58227E-05	8.51536E-05	9.02254E-05	**1496**	8.69647E-05
8.31404E-05	8.78659E-05	2.33308E-05	7.99668E-05	9.98318E-05	8.50568E-05	8.97874E-05	2.46358E-05	7.99668E-05	9.11772E-05	**1497**	8.30625E-05
8.14782E-05	8.60925E-05	2.30763E-05	7.70683E-05	0.000100341	8.27013E-05	8.72882E-05	2.41142E-05	7.70683E-05	9.16795E-05	**1498**	8.13392E-05
8.05344E-05	8.50852E-05	2.29365E-05	7.50055E-05	0.000101085	8.11653E-05	8.56603E-05	2.37523E-05	7.50055E-05	9.24327E-05	**1499**	8.0324E-05
7.85626E-05	8.30149E-05	2.22113E-05	7.2768E-05	9.43185E-05	7.9018E-05	8.34072E-05	2.29576E-05	7.2768E-05	8.69323E-05	**1500**	7.82777E-05
7.77389E-05	8.21455E-05	2.19664E-05	7.18477E-05	9.47421E-05	7.81172E-05	8.24576E-05	2.26797E-05	7.18477E-05	8.73679E-05	**1501**	7.74395E-05
7.58397E-05	8.01417E-05	2.13912E-05	7.09437E-05	9.39812E-05	7.66194E-05	8.08773E-05	2.22341E-05	7.09437E-05	8.65923E-05	**1502**	7.5615E-05
7.68744E-05	8.12366E-05	2.16628E-05	7.27217E-05	9.89156E-05	7.80524E-05	8.23896E-05	2.26552E-05	7.27217E-05	9.02198E-05	**1503**	7.67151E-05
8.09364E-05	8.55282E-05	2.28196E-05	7.67928E-05	9.54617E-05	8.22827E-05	8.68535E-05	2.39016E-05	7.67928E-05	8.66865E-05	**1504**	8.07928E-05
8.78166E-05	9.28143E-05	2.45628E-05	8.29778E-05	9.20775E-05	8.9151E-05	9.41187E-05	2.57004E-05	8.29778E-05	8.32238E-05	**1505**	8.75778E-05
9.82341E-05	0.000103776	2.8093E-05	9.09008E-05	9.00521E-05	9.87031E-05	0.000104162	2.89767E-05	9.09008E-05	8.11517E-05	**1506**	9.79542E-05
0.000108622	0.00011463	3.25909E-05	9.7574E-05	7.46031E-05	0.000107467	0.000113304	3.29096E-05	9.7574E-05	6.82139E-05	**1507**	0.000108447
0.000111871	0.000117989	3.44403E-05	9.91205E-05	6.20775E-05	0.00010987	0.000115775	3.44438E-05	9.91205E-05	5.82976E-05	**1508**	0.000111796
0.000110594	0.000116667	3.37385E-05	9.59115E-05	5.35667E-05	0.000107682	0.000113475	3.36892E-05	9.59115E-05	5.10327E-05	**1509**	0.000110625
0.000104831	0.000110662	3.10361E-05	8.96606E-05	4.73234E-05	0.000101645	0.000107163	3.11573E-05	8.96606E-05	4.61066E-05	**1510**	0.000104892
9.51945E-05	0.000100546	2.74652E-05	8.28965E-05	4.58368E-05	9.31322E-05	9.82355E-05	2.79492E-05	8.28965E-05	4.45912E-05	**1511**	9.5264E-05

8.64502E-05	9.14033E-05	2.37611E-05	7.77396E-05	4.508E-05	8.59586E-05	9.07477E-05	2.4789E-05	7.77396E-05	4.38216E-05	**1512**	8.64951E-05
7.48193E-05	7.91884E-05	1.95209E-05	6.96021E-05	4.50278E-05	7.56846E-05	7.99673E-05	2.09835E-05	6.96021E-05	4.37837E-05	**1513**	7.48958E-05
7.29046E-05	7.72135E-05	1.83677E-05	6.93159E-05	4.52823E-05	7.45763E-05	7.88393E-05	2.01279E-05	6.93159E-05	4.40498E-05	**1514**	7.29624E-05
7.3227E-05	7.7574E-05	1.82082E-05	7.05174E-05	4.64428E-05	7.53747E-05	7.96984E-05	2.01501E-05	7.05174E-05	4.52484E-05	**1515**	7.32999E-05
7.69948E-05	8.157E-05	1.90878E-05	7.49185E-05	4.91845E-05	7.96304E-05	8.42021E-05	2.12384E-05	7.49185E-05	4.80642E-05	**1516**	7.70882E-05
8.38202E-05	8.87798E-05	2.10487E-05	8.18631E-05	5.28821E-05	8.67847E-05	9.175E-05	2.33652E-05	8.18631E-05	5.18467E-05	**1517**	8.39538E-05
9.05851E-05	9.59123E-05	2.31603E-05	8.78899E-05	5.39182E-05	9.34389E-05	9.87596E-05	2.54794E-05	8.78899E-05	5.2862E-05	**1518**	9.07248E-05
9.16311E-05	9.69254E-05	2.46226E-05	8.93847E-05	9.9884E-05	9.45313E-05	9.98458E-05	2.66512E-05	8.93847E-05	9.13119E-05	**1519**	9.17471E-05
8.6968E-05	9.19288E-05	2.41809E-05	8.51536E-05	9.88791E-05	8.97274E-05	9.47307E-05	2.58227E-05	8.51536E-05	9.02254E-05	**1520**	8.69647E-05
8.31404E-05	8.78659E-05	2.33308E-05	7.99668E-05	9.98318E-05	8.50568E-05	8.97874E-05	2.46358E-05	7.99668E-05	9.11772E-05	**1521**	8.30625E-05
8.14782E-05	8.60925E-05	2.30763E-05	7.70683E-05	0.000100341	8.27013E-05	8.72882E-05	2.41142E-05	7.70683E-05	9.16795E-05	**1522**	8.13392E-05
8.05344E-05	8.50852E-05	2.29365E-05	7.50055E-05	0.000101085	8.11653E-05	8.56603E-05	2.37523E-05	7.50055E-05	9.24327E-05	**1523**	8.0324E-05
7.85626E-05	8.30149E-05	2.22113E-05	7.2768E-05	9.43185E-05	7.9018E-05	8.34072E-05	2.29576E-05	7.2768E-05	8.69323E-05	**1524**	7.82777E-05
7.77389E-05	8.21455E-05	2.19664E-05	7.18477E-05	9.47421E-05	7.81172E-05	8.24576E-05	2.26797E-05	7.18477E-05	8.73679E-05	**1525**	7.74395E-05
7.58397E-05	8.01417E-05	2.13912E-05	7.09437E-05	9.39812E-05	7.66194E-05	8.08773E-05	2.22341E-05	7.09437E-05	8.65923E-05	**1526**	7.5615E-05
7.68744E-05	8.12366E-05	2.16628E-05	7.27217E-05	9.89156E-05	7.80524E-05	8.23896E-05	2.26552E-05	7.27217E-05	9.02198E-05	**1527**	7.67151E-05
8.09364E-05	8.55282E-05	2.28196E-05	7.67928E-05	9.54617E-05	8.22827E-05	8.68535E-05	2.39016E-05	7.67928E-05	8.66865E-05	**1528**	8.07928E-05
8.78166E-05	9.28143E-05	2.45628E-05	8.29778E-05	9.20775E-05	8.9151E-05	9.41187E-05	2.57004E-05	8.29778E-05	8.32238E-05	**1529**	8.75778E-05
9.82341E-05	0.000103776	2.8093E-05	9.09008E-05	9.00521E-05	9.87031E-05	0.000104162	2.89767E-05	9.09008E-05	8.11517E-05	**1530**	9.79542E-05
0.000108622	0.00011463	3.25909E-05	9.7574E-05	7.46031E-05	0.000107467	0.000113304	3.29096E-05	9.7574E-05	6.82139E-05	**1531**	0.000108447
0.000111871	0.000117989	3.44403E-05	9.91205E-05	6.20775E-05	0.00010987	0.000115775	3.44438E-05	9.91205E-05	5.82976E-05	**1532**	0.000111796
0.000110594	0.000116667	3.37385E-05	9.59115E-05	5.35667E-05	0.000107682	0.000113475	3.36892E-05	9.59115E-05	5.10327E-05	**1533**	0.000110625
0.000104831	0.000110662	3.10361E-05	8.96606E-05	4.73234E-05	0.000101645	0.000107163	3.11573E-05	8.96606E-05	4.61066E-05	**1534**	0.000104892
9.51945E-05	0.000100546	2.74652E-05	8.28965E-05	4.58368E-05	9.31322E-05	9.82355E-05	2.79492E-05	8.28965E-05	4.45912E-05	**1535**	9.5264E-05
8.64502E-05	9.14033E-05	2.37611E-05	7.77396E-05	4.508E-05	8.59586E-05	9.07477E-05	2.4789E-05	7.77396E-05	4.38216E-05	**1536**	8.64951E-05
7.47804E-05	7.91473E-05	1.951E-05	6.95532E-05	4.49322E-05	7.56393E-05	7.99195E-05	2.09701E-05	6.95532E-05	4.3689E-05	**1537**	7.48559E-05
7.32135E-05	7.75402E-05	1.84526E-05	6.96964E-05	4.52413E-05	7.49322E-05	7.92149E-05	2.02318E-05	6.96964E-05	4.40096E-05	**1538**	7.32782E-05
7.35512E-05	7.79169E-05	1.82962E-05	7.09109E-05	4.64292E-05	7.57456E-05	8.009E-05	2.02572E-05	7.09109E-05	4.52369E-05	**1539**	7.36304E-05
7.73491E-05	8.19449E-05	1.91817E-05	7.53372E-05	4.91557E-05	8.00308E-05	8.4625E-05	2.13516E-05	7.53372E-05	4.80377E-05	**1540**	7.74478E-05
8.42248E-05	8.92078E-05	2.11573E-05	8.23481E-05	5.2849E-05	8.7245E-05	9.2236E-05	2.34968E-05	8.23481E-05	5.18157E-05	**1541**	8.43655E-05
9.09079E-05	9.62537E-05	2.32472E-05	8.82778E-05	5.38749E-05	9.38065E-05	9.91478E-05	2.55847E-05	8.82778E-05	5.28207E-05	**1542**	9.10533E-05
9.34642E-05	9.88899E-05	2.47923E-05	9.00116E-05	9.98476E-05	9.59283E-05	0.000101337	2.68433E-05	9.00116E-05	9.12773E-05	**1543**	9.35941E-05
8.74443E-05	9.24324E-05	2.43112E-05	8.5737E-05	9.88469E-05	9.02746E-05	9.53083E-05	2.59818E-05	8.5737E-05	9.01945E-05	**1544**	8.74511E-05
8.3682E-05	8.84383E-05	2.34833E-05	8.06522E-05	9.98199E-05	8.56888E-05	9.04541E-05	2.48243E-05	8.06522E-05	9.11669E-05	**1545**	8.36187E-05
8.2016E-05	8.66611E-05	2.32238E-05	7.77286E-05	0.00010034	8.33199E-05	8.79412E-05	2.42945E-05	7.77286E-05	9.16796E-05	**1546**	8.18886E-05
8.09972E-05	8.55745E-05	2.30641E-05	7.55774E-05	0.000101079	8.16993E-05	8.62238E-05	2.39086E-05	7.55774E-05	9.24283E-05	**1547**	8.07974E-05
7.89982E-05	8.34753E-05	2.23332E-05	7.33157E-05	9.43113E-05	7.95248E-05	8.39418E-05	2.31079E-05	7.33157E-05	8.69265E-05	**1548**	7.87246E-05
7.82453E-05	8.26811E-05	2.21027E-05	7.24564E-05	9.47606E-05	7.8694E-05	8.30666E-05	2.2845E-05	7.24564E-05	8.73882E-05	**1549**	7.7955E-05
7.62564E-05	8.05827E-05	2.15008E-05	7.14312E-05	9.40309E-05	7.70881E-05	8.13725E-05	2.23655E-05	7.14312E-05	8.6644E-05	**1550**	7.60373E-05
7.71976E-05	8.15783E-05	2.17529E-05	7.31262E-05	9.89541E-05	7.84275E-05	8.27854E-05	2.27662E-05	7.31262E-05	9.02602E-05	**1551**	7.70464E-05
8.1265E-05	8.58749E-05	2.29184E-05	7.72414E-05	9.54724E-05	8.26805E-05	8.72726E-05	2.4027E-05	7.72414E-05	8.66986E-05	**1552**	8.11349E-05
8.81879E-05	9.32061E-05	2.46741E-05	8.34829E-05	9.2074E-05	8.95997E-05	9.45915E-05	2.58416E-05	8.34829E-05	8.32215E-05	**1553**	8.7964E-05
9.86358E-05	0.0001042	2.82122E-05	9.1441E-05	9.00461E-05	9.91857E-05	0.000104671	2.91273E-05	9.1441E-05	8.11467E-05	**1554**	9.83712E-05
0.000109042	0.000115073	3.27114E-05	9.81175E-05	7.45956E-05	0.000107962	0.000113826	3.30599E-05	9.81175E-05	6.82074E-05	**1555**	0.00010888
0.000112363	0.000118508	3.45823E-05	9.97614E-05	6.20601E-05	0.000110451	0.000116388	3.46212E-05	9.97614E-05	5.82817E-05	**1556**	0.000112304
0.000109713	0.000115708	3.38412E-05	9.65123E-05	5.35334E-05	0.000107406	0.000113166	3.38362E-05	9.65123E-05	5.10014E-05	**1557**	0.000109758
0.000105495	0.000111363	3.12236E-05	9.05044E-05	4.72752E-05	0.000102421	0.000107982	3.13896E-05	9.05044E-05	4.60605E-05	**1558**	0.000105574
9.60209E-05	0.00010142	2.76868E-05	8.38855E-05	4.57831E-05	9.40716E-05	9.92275E-05	2.82175E-05	8.38855E-05	4.45394E-05	**1559**	9.61046E-05
8.68602E-05	9.18366E-05	2.38757E-05	7.82548E-05	4.49296E-05	8.64354E-05	9.12508E-05	2.49304E-05	7.82548E-05	4.36722E-05	**1560**	8.69156E-05
7.47804E-05	7.91473E-05	1.951E-05	6.95532E-05	4.49322E-05	7.56393E-05	7.99195E-05	2.09701E-05	6.95532E-05	4.3689E-05	**1561**	7.48559E-05
7.32135E-05	7.75402E-05	1.84526E-05	6.96964E-05	4.52413E-05	7.49322E-05	7.92149E-05	2.02318E-05	6.96964E-05	4.40096E-05	**1562**	7.32782E-05
7.35512E-05	7.79169E-05	1.82962E-05	7.09109E-05	4.64292E-05	7.57456E-05	8.009E-05	2.02572E-05	7.09109E-05	4.52369E-05	**1563**	7.36304E-05
7.73491E-05	8.19449E-05	1.91817E-05	7.53372E-05	4.91557E-05	8.00308E-05	8.4625E-05	2.13516E-05	7.53372E-05	4.80377E-05	**1564**	7.74478E-05
8.42248E-05	8.92078E-05	2.11573E-05	8.23481E-05	5.2849E-05	8.7245E-05	9.2236E-05	2.34968E-05	8.23481E-05	5.18157E-05	**1565**	8.43655E-05
9.09079E-05	9.62537E-05	2.32472E-05	8.82778E-05	5.38749E-05	9.38065E-05	9.91478E-05	2.55847E-05	8.82778E-05	5.28207E-05	**1566**	9.10533E-05
9.34642E-05	9.88899E-05	2.47923E-05	9.00116E-05	9.98476E-05	9.59283E-05	0.000101337	2.68433E-05	9.00116E-05	9.12773E-05	**1567**	9.35941E-05
8.74443E-05	9.24324E-05	2.43112E-05	8.5737E-05	9.88469E-05	9.02746E-05	9.53083E-05	2.59818E-05	8.5737E-05	9.01945E-05	**1568**	8.74511E-05
8.3682E-05	8.84383E-05	2.34833E-05	8.06522E-05	9.98199E-05	8.56888E-05	9.04541E-05	2.48243E-05	8.06522E-05	9.11669E-05	**1569**	8.36187E-05
8.2016E-05	8.66611E-05	2.32238E-05	7.77286E-05	0.00010034	8.33199E-05	8.79412E-05	2.42945E-05	7.77286E-05	9.16796E-05	**1570**	8.18886E-05
8.09972E-05	8.55745E-05	2.30641E-05	7.55774E-05	0.000101079	8.16993E-05	8.62238E-05	2.39086E-05	7.55774E-05	9.24283E-05	**1571**	8.07974E-05
7.89982E-05	8.34753E-05	2.23332E-05	7.33157E-05	9.43113E-05	7.95248E-05	8.39418E-05	2.31079E-05	7.33157E-05	8.69265E-05	**1572**	7.87246E-05
7.82453E-05	8.26811E-05	2.21027E-05	7.24564E-05	9.47606E-05	7.8694E-05	8.30666E-05	2.2845E-05	7.24564E-05	8.73882E-05	**1573**	7.7955E-05
7.62564E-05	8.05827E-05	2.15008E-05	7.14312E-05	9.40309E-05	7.70881E-05	8.13725E-05	2.23655E-05	7.14312E-05	8.6644E-05	**1574**	7.60373E-05
7.71976E-05	8.15783E-05	2.17529E-05	7.31262E-05	9.89541E-05	7.84275E-05	8.27854E-05	2.27662E-05	7.31262E-05	9.02602E-05	**1575**	7.70464E-05
8.1265E-05	8.58749E-05	2.29184E-05	7.72414E-05	9.54724E-05	8.26805E-05	8.72726E-05	2.4027E-05	7.72414E-05	8.66986E-05	**1576**	8.11349E-05
8.81879E-05	9.32061E-05	2.46741E-05	8.34829E-05	9.2074E-05	8.95997E-05	9.45915E-05	2.58416E-05	8.34829E-05	8.32215E-05	**1577**	8.7964E-05
9.86358E-05	0.0001042	2.82122E-05	9.1441E-05	9.00461E-05	9.91857E-05	0.000104671	2.91273E-05	9.1441E-05	8.11467E-05	**1578**	9.83712E-05
0.000109042	0.000115073	3.27114E-05	9.81175E-05	7.45956E-05	0.000107962	0.000113826	3.30599E-05	9.81175E-05	6.82074E-05	**1579**	0.00010888
0.000112363	0.000118508	3.45823E-05	9.97614E-05	6.20601E-05	0.000110451	0.000116388	3.46212E-05	9.97614E-05	5.82817E-05	**1580**	0.000112304
0.000109713	0.000115708	3.38412E-05	9.65123E-05	5.35334E-05	0.000107406	0.000113166	3.38362E-05	9.65123E-05	5.10014E-05	**1581**	0.000109758
0.000105495	0.000111363	3.12236E-05	9.05044E-05	4.72752E-05	0.000102421	0.000107982	3.13896E-05	9.05044E-05	4.60605E-05	**1582**	0.000105574
9.60209E-05	0.00010142	2.76868E-05	8.38855E-05	4.57831E-05	9.40716E-05	9.92275E-05	2.82175E-05	8.38855E-05	4.45394E-05	**1583**	9.61046E-05
8.68602E-05	9.18366E-05	2.38757E-05	7.82548E-05	4.49296E-05	8.64354E-05	9.12508E-05	2.49304E-05	7.82548E-05	4.36722E-05	**1584**	8.69156E-05
7.48193E-05	7.91884E-05	1.95209E-05	6.96021E-05	4.50278E-05	7.56846E-05	7.99673E-05	2.09835E-05	6.96021E-05	4.37837E-05	**1585**	7.48958E-05
7.29046E-05	7.72135E-05	1.83677E-05	6.93159E-05	4.52823E-05	7.45763E-05	7.88393E-05	2.01279E-05	6.93159E-05	4.40498E-05	**1586**	7.29624E-05
7.3227E-05	7.7574E-05	1.82082E-05	7.05174E-05	4.64428E-05	7.53747E-05	7.96984E-05	2.01501E-05	7.05174E-05	4.52484E-05	**1587**	7.32999E-05

7.69948E-05	8.157E-05	1.90878E-05	7.49185E-05	4.91845E-05	7.96304E-05	8.42021E-05	2.12384E-05	7.49185E-05	4.80642E-05	**1588**	7.70882E-05
8.38202E-05	8.87798E-05	2.10487E-05	8.18631E-05	5.28821E-05	8.67847E-05	9.175E-05	2.33652E-05	8.18631E-05	5.18467E-05	**1589**	8.39538E-05
9.05851E-05	9.59123E-05	2.31603E-05	8.78899E-05	5.39182E-05	9.34389E-05	9.87596E-05	2.54794E-05	8.78899E-05	5.2862E-05	**1590**	9.07248E-05
9.16311E-05	9.69254E-05	2.46226E-05	8.93847E-05	9.9884E-05	9.45313E-05	9.98458E-05	2.66512E-05	8.93847E-05	9.13119E-05	**1591**	9.17471E-05
8.6968E-05	9.19288E-05	2.41809E-05	8.51536E-05	9.88791E-05	8.97274E-05	9.47307E-05	2.58227E-05	8.51536E-05	9.02254E-05	**1592**	8.69647E-05
8.31404E-05	8.78659E-05	2.33308E-05	7.99668E-05	9.98318E-05	8.50568E-05	8.97874E-05	2.46358E-05	7.99668E-05	9.11772E-05	**1593**	8.30625E-05
8.14782E-05	8.60925E-05	2.30763E-05	7.70683E-05	0.000100341	8.27013E-05	8.72882E-05	2.41142E-05	7.70683E-05	9.16795E-05	**1594**	8.13392E-05
8.05344E-05	8.50852E-05	2.29365E-05	7.50055E-05	0.000101085	8.11653E-05	8.56603E-05	2.37523E-05	7.50055E-05	9.24327E-05	**1595**	8.0324E-05
7.85626E-05	8.30149E-05	2.22113E-05	7.2768E-05	9.43185E-05	7.9018E-05	8.34072E-05	2.29576E-05	7.2768E-05	8.69323E-05	**1596**	7.82777E-05
7.77389E-05	8.21455E-05	2.19664E-05	7.18477E-05	9.47421E-05	7.81172E-05	8.24576E-05	2.26797E-05	7.18477E-05	8.73679E-05	**1597**	7.74395E-05
7.58397E-05	8.01417E-05	2.13912E-05	7.09437E-05	9.39812E-05	7.66194E-05	8.08773E-05	2.22341E-05	7.09437E-05	8.65923E-05	**1598**	7.5615E-05
7.68744E-05	8.12366E-05	2.16628E-05	7.27217E-05	9.89156E-05	7.80524E-05	8.23896E-05	2.26552E-05	7.27217E-05	9.02198E-05	**1599**	7.67151E-05
8.09364E-05	8.55282E-05	2.28196E-05	7.67928E-05	9.54617E-05	8.22827E-05	8.68535E-05	2.39016E-05	7.67928E-05	8.66865E-05	**1600**	8.07928E-05
8.78166E-05	9.28143E-05	2.45628E-05	8.29778E-05	9.20775E-05	8.9151E-05	9.41187E-05	2.57004E-05	8.29778E-05	8.32238E-05	**1601**	8.75778E-05
9.82341E-05	0.000103776	2.8093E-05	9.09008E-05	9.00521E-05	9.87031E-05	0.000104162	2.89767E-05	9.09008E-05	8.11517E-05	**1602**	9.79542E-05
0.000108622	0.00011463	3.25909E-05	9.7574E-05	7.46031E-05	0.000107467	0.000113304	3.29096E-05	9.7574E-05	6.82139E-05	**1603**	0.000108447
0.000111871	0.000117989	3.44403E-05	9.91205E-05	6.20775E-05	0.00010987	0.000115775	3.44438E-05	9.91205E-05	5.82976E-05	**1604**	0.000111796
0.000110594	0.000116667	3.37385E-05	9.59115E-05	5.35667E-05	0.000107682	0.000113475	3.36892E-05	9.59115E-05	5.10327E-05	**1605**	0.000110625
0.000104831	0.000110662	3.10361E-05	8.96606E-05	4.73234E-05	0.000101645	0.000107163	3.11573E-05	8.96606E-05	4.61066E-05	**1606**	0.000104892
9.51945E-05	0.000100546	2.74652E-05	8.28965E-05	4.58368E-05	9.31322E-05	9.82355E-05	2.79492E-05	8.28965E-05	4.45912E-05	**1607**	9.5264E-05
8.64502E-05	9.14033E-05	2.37611E-05	7.77396E-05	4.508E-05	8.59586E-05	9.07477E-05	2.4789E-05	7.77396E-05	4.38216E-05	**1608**	8.64951E-05
7.48193E-05	7.91884E-05	1.95209E-05	6.96021E-05	4.50278E-05	7.56846E-05	7.99673E-05	2.09835E-05	6.96021E-05	4.37837E-05	**1609**	7.48958E-05
7.29046E-05	7.72135E-05	1.83677E-05	6.93159E-05	4.52823E-05	7.45763E-05	7.88393E-05	2.01279E-05	6.93159E-05	4.40498E-05	**1610**	7.29624E-05
7.3227E-05	7.7574E-05	1.82082E-05	7.05174E-05	4.64428E-05	7.53747E-05	7.96984E-05	2.01501E-05	7.05174E-05	4.52484E-05	**1611**	7.32999E-05
7.69948E-05	8.157E-05	1.90878E-05	7.49185E-05	4.91845E-05	7.96304E-05	8.42021E-05	2.12384E-05	7.49185E-05	4.80642E-05	**1612**	7.70882E-05
8.38202E-05	8.87798E-05	2.10487E-05	8.18631E-05	5.28821E-05	8.67847E-05	9.175E-05	2.33652E-05	8.18631E-05	5.18467E-05	**1613**	8.39538E-05
9.05851E-05	9.59123E-05	2.31603E-05	8.78899E-05	5.39182E-05	9.34389E-05	9.87596E-05	2.54794E-05	8.78899E-05	5.2862E-05	**1614**	9.07248E-05
9.16311E-05	9.69254E-05	2.46226E-05	8.93847E-05	9.9884E-05	9.45313E-05	9.98458E-05	2.66512E-05	8.93847E-05	9.13119E-05	**1615**	9.17471E-05
8.6968E-05	9.19288E-05	2.41809E-05	8.51536E-05	9.88791E-05	8.97274E-05	9.47307E-05	2.58227E-05	8.51536E-05	9.02254E-05	**1616**	8.69647E-05
8.31404E-05	8.78659E-05	2.33308E-05	7.99668E-05	9.98318E-05	8.50568E-05	8.97874E-05	2.46358E-05	7.99668E-05	9.11772E-05	**1617**	8.30625E-05
8.14782E-05	8.60925E-05	2.30763E-05	7.70683E-05	0.000100341	8.27013E-05	8.72882E-05	2.41142E-05	7.70683E-05	9.16795E-05	**1618**	8.13392E-05
8.05344E-05	8.50852E-05	2.29365E-05	7.50055E-05	0.000101085	8.11653E-05	8.56603E-05	2.37523E-05	7.50055E-05	9.24327E-05	**1619**	8.0324E-05
7.85626E-05	8.30149E-05	2.22113E-05	7.2768E-05	9.43185E-05	7.9018E-05	8.34072E-05	2.29576E-05	7.2768E-05	8.69323E-05	**1620**	7.82777E-05
7.77389E-05	8.21455E-05	2.19664E-05	7.18477E-05	9.47421E-05	7.81172E-05	8.24576E-05	2.26797E-05	7.18477E-05	8.73679E-05	**1621**	7.74395E-05
7.58397E-05	8.01417E-05	2.13912E-05	7.09437E-05	9.39812E-05	7.66194E-05	8.08773E-05	2.22341E-05	7.09437E-05	8.65923E-05	**1622**	7.5615E-05
7.68744E-05	8.12366E-05	2.16628E-05	7.27217E-05	9.89156E-05	7.80524E-05	8.23896E-05	2.26552E-05	7.27217E-05	9.02198E-05	**1623**	7.67151E-05
8.09364E-05	8.55282E-05	2.28196E-05	7.67928E-05	9.54617E-05	8.22827E-05	8.68535E-05	2.39016E-05	7.67928E-05	8.66865E-05	**1624**	8.07928E-05
8.78166E-05	9.28143E-05	2.45628E-05	8.29778E-05	9.20775E-05	8.9151E-05	9.41187E-05	2.57004E-05	8.29778E-05	8.32238E-05	**1625**	8.75778E-05
9.82341E-05	0.000103776	2.8093E-05	9.09008E-05	9.00521E-05	9.87031E-05	0.000104162	2.89767E-05	9.09008E-05	8.11517E-05	**1626**	9.79542E-05
0.000108622	0.00011463	3.25909E-05	9.7574E-05	7.46031E-05	0.000107467	0.000113304	3.29096E-05	9.7574E-05	6.82139E-05	**1627**	0.000108447
0.000111871	0.000117989	3.44403E-05	9.91205E-05	6.20775E-05	0.00010987	0.000115775	3.44438E-05	9.91205E-05	5.82976E-05	**1628**	0.000111796
0.000110594	0.000116667	3.37385E-05	9.59115E-05	5.35667E-05	0.000107682	0.000113475	3.36892E-05	9.59115E-05	5.10327E-05	**1629**	0.000110625
0.000104831	0.000110662	3.10361E-05	8.96606E-05	4.73234E-05	0.000101645	0.000107163	3.11573E-05	8.96606E-05	4.61066E-05	**1630**	0.000104892
9.51945E-05	0.000100546	2.74652E-05	8.28965E-05	4.58368E-05	9.31322E-05	9.82355E-05	2.79492E-05	8.28965E-05	4.45912E-05	**1631**	9.5264E-05
8.64502E-05	9.14033E-05	2.37611E-05	7.77396E-05	4.508E-05	8.59586E-05	9.07477E-05	2.4789E-05	7.77396E-05	4.38216E-05	**1632**	8.64951E-05
7.48193E-05	7.91884E-05	1.95209E-05	6.96021E-05	4.50278E-05	7.56846E-05	7.99673E-05	2.09835E-05	6.96021E-05	4.37837E-05	**1633**	7.48958E-05
7.29046E-05	7.72135E-05	1.83677E-05	6.93159E-05	4.52823E-05	7.45763E-05	7.88393E-05	2.01279E-05	6.93159E-05	4.40498E-05	**1634**	7.29624E-05
7.3227E-05	7.7574E-05	1.82082E-05	7.05174E-05	4.64428E-05	7.53747E-05	7.96984E-05	2.01501E-05	7.05174E-05	4.52484E-05	**1635**	7.32999E-05
7.69948E-05	8.157E-05	1.90878E-05	7.49185E-05	4.91845E-05	7.96304E-05	8.42021E-05	2.12384E-05	7.49185E-05	4.80642E-05	**1636**	7.70882E-05
8.38202E-05	8.87798E-05	2.10487E-05	8.18631E-05	5.28821E-05	8.67847E-05	9.175E-05	2.33652E-05	8.18631E-05	5.18467E-05	**1637**	8.39538E-05
9.05851E-05	9.59123E-05	2.31603E-05	8.78899E-05	5.39182E-05	9.34389E-05	9.87596E-05	2.54794E-05	8.78899E-05	5.2862E-05	**1638**	9.07248E-05
9.16311E-05	9.69254E-05	2.46226E-05	8.93847E-05	9.9884E-05	9.45313E-05	9.98458E-05	2.66512E-05	8.93847E-05	9.13119E-05	**1639**	9.17471E-05
8.6968E-05	9.19288E-05	2.41809E-05	8.51536E-05	9.88791E-05	8.97274E-05	9.47307E-05	2.58227E-05	8.51536E-05	9.02254E-05	**1640**	8.69647E-05
8.31404E-05	8.78659E-05	2.33308E-05	7.99668E-05	9.98318E-05	8.50568E-05	8.97874E-05	2.46358E-05	7.99668E-05	9.11772E-05	**1641**	8.30625E-05
8.14782E-05	8.60925E-05	2.30763E-05	7.70683E-05	0.000100341	8.27013E-05	8.72882E-05	2.41142E-05	7.70683E-05	9.16795E-05	**1642**	8.13392E-05
8.05344E-05	8.50852E-05	2.29365E-05	7.50055E-05	0.000101085	8.11653E-05	8.56603E-05	2.37523E-05	7.50055E-05	9.24327E-05	**1643**	8.0324E-05
7.85626E-05	8.30149E-05	2.22113E-05	7.2768E-05	9.43185E-05	7.9018E-05	8.34072E-05	2.29576E-05	7.2768E-05	8.69323E-05	**1644**	7.82777E-05
7.77389E-05	8.21455E-05	2.19664E-05	7.18477E-05	9.47421E-05	7.81172E-05	8.24576E-05	2.26797E-05	7.18477E-05	8.73679E-05	**1645**	7.74395E-05
7.58397E-05	8.01417E-05	2.13912E-05	7.09437E-05	9.39812E-05	7.66194E-05	8.08773E-05	2.22341E-05	7.09437E-05	8.65923E-05	**1646**	7.5615E-05
7.68744E-05	8.12366E-05	2.16628E-05	7.27217E-05	9.89156E-05	7.80524E-05	8.23896E-05	2.26552E-05	7.27217E-05	9.02198E-05	**1647**	7.67151E-05
8.09364E-05	8.55282E-05	2.28196E-05	7.67928E-05	9.54617E-05	8.22827E-05	8.68535E-05	2.39016E-05	7.67928E-05	8.66865E-05	**1648**	8.07928E-05
8.78166E-05	9.28143E-05	2.45628E-05	8.29778E-05	9.20775E-05	8.9151E-05	9.41187E-05	2.57004E-05	8.29778E-05	8.32238E-05	**1649**	8.75778E-05
9.82341E-05	0.000103776	2.8093E-05	9.09008E-05	9.00521E-05	9.87031E-05	0.000104162	2.89767E-05	9.09008E-05	8.11517E-05	**1650**	9.79542E-05
0.000108622	0.00011463	3.25909E-05	9.7574E-05	7.46031E-05	0.000107467	0.000113304	3.29096E-05	9.7574E-05	6.82139E-05	**1651**	0.000108447
0.000111871	0.000117989	3.44403E-05	9.91205E-05	6.20775E-05	0.00010987	0.000115775	3.44438E-05	9.91205E-05	5.82976E-05	**1652**	0.000111796
0.000110594	0.000116667	3.37385E-05	9.59115E-05	5.35667E-05	0.000107682	0.000113475	3.36892E-05	9.59115E-05	5.10327E-05	**1653**	0.000110625
0.000104831	0.000110662	3.10361E-05	8.96606E-05	4.73234E-05	0.000101645	0.000107163	3.11573E-05	8.96606E-05	4.61066E-05	**1654**	0.000104892
9.51945E-05	0.000100546	2.74652E-05	8.28965E-05	4.58368E-05	9.31322E-05	9.82355E-05	2.79492E-05	8.28965E-05	4.45912E-05	**1655**	9.5264E-05
8.64502E-05	9.14033E-05	2.37611E-05	7.77396E-05	4.508E-05	8.59586E-05	9.07477E-05	2.4789E-05	7.77396E-05	4.38216E-05	**1656**	8.64951E-05
7.48193E-05	7.91884E-05	1.95209E-05	6.96021E-05	4.50278E-05	7.56846E-05	7.99673E-05	2.09835E-05	6.96021E-05	4.37837E-05	**1657**	7.48958E-05
7.29046E-05	7.72135E-05	1.83677E-05	6.93159E-05	4.52823E-05	7.45763E-05	7.88393E-05	2.01279E-05	6.93159E-05	4.40498E-05	**1658**	7.29624E-05
7.3227E-05	7.7574E-05	1.82082E-05	7.05174E-05	4.64428E-05	7.53747E-05	7.96984E-05	2.01501E-05	7.05174E-05	4.52484E-05	**1659**	7.32999E-05
7.69948E-05	8.157E-05	1.90878E-05	7.49185E-05	4.91845E-05	7.96304E-05	8.42021E-05	2.12384E-05	7.49185E-05	4.80642E-05	**1660**	7.70882E-05
8.38202E-05	8.87798E-05	2.10487E-05	8.18631E-05	5.28821E-05	8.67847E-05	9.175E-05	2.33652E-05	8.18631E-05	5.18467E-05	**1661**	8.39538E-05
9.05851E-05	9.59123E-05	2.31603E-05	8.78899E-05	5.39182E-05	9.34389E-05	9.87596E-05	2.54794E-05	8.78899E-05	5.2862E-05	**1662**	9.07248E-05
9.16311E-05	9.69254E-05	2.46226E-05	8.93847E-05	9.9884E-05	9.45313E-05	9.98458E-05	2.66512E-05	8.93847E-05	9.13119E-05	**1663**	9.17471E-05

8.6968E-05	9.19288E-05	2.41809E-05	8.51536E-05	9.88791E-05	8.97274E-05	9.47307E-05	2.58227E-05	8.51536E-05	9.02254E-05	**1664**	8.69647E-05
8.31404E-05	8.78659E-05	2.33308E-05	7.99668E-05	9.98318E-05	8.50568E-05	8.97874E-05	2.46358E-05	7.99668E-05	9.11772E-05	**1665**	8.30625E-05
8.14782E-05	8.60925E-05	2.30763E-05	7.70683E-05	0.000100341	8.27013E-05	8.72882E-05	2.41142E-05	7.70683E-05	9.16795E-05	**1666**	8.13392E-05
8.05344E-05	8.50852E-05	2.29365E-05	7.50055E-05	0.000101085	8.11653E-05	8.56603E-05	2.37523E-05	7.50055E-05	9.24327E-05	**1667**	8.0324E-05
7.85626E-05	8.30149E-05	2.22113E-05	7.2768E-05	9.43185E-05	7.9018E-05	8.34072E-05	2.29576E-05	7.2768E-05	8.69323E-05	**1668**	7.82777E-05
7.77389E-05	8.21455E-05	2.19664E-05	7.18477E-05	9.47421E-05	7.81172E-05	8.24576E-05	2.26797E-05	7.18477E-05	8.73679E-05	**1669**	7.74395E-05
7.58397E-05	8.01417E-05	2.13912E-05	7.09437E-05	9.39812E-05	7.66194E-05	8.08773E-05	2.22341E-05	7.09437E-05	8.65923E-05	**1670**	7.5615E-05
7.68744E-05	8.12366E-05	2.16628E-05	7.27217E-05	9.89156E-05	7.80524E-05	8.23896E-05	2.26552E-05	7.27217E-05	9.02198E-05	**1671**	7.67151E-05
8.09364E-05	8.55282E-05	2.28196E-05	7.67928E-05	9.54617E-05	8.22827E-05	8.68535E-05	2.39016E-05	7.67928E-05	8.66865E-05	**1672**	8.07928E-05
8.78166E-05	9.28143E-05	2.45628E-05	8.29778E-05	9.20775E-05	8.9151E-05	9.41187E-05	2.57004E-05	8.29778E-05	8.32238E-05	**1673**	8.75778E-05
9.82341E-05	0.000103776	2.8093E-05	9.09008E-05	9.00521E-05	9.87031E-05	0.000104162	2.89767E-05	9.09008E-05	8.11517E-05	**1674**	9.79542E-05
0.000108622	0.00011463	3.25909E-05	9.7574E-05	7.46031E-05	0.000107467	0.000113304	3.29096E-05	9.7574E-05	6.82139E-05	**1675**	0.000108447
0.000111871	0.000117989	3.44403E-05	9.91205E-05	6.20775E-05	0.00010987	0.000115775	3.44438E-05	9.91205E-05	5.82976E-05	**1676**	0.000111796
0.000110594	0.000116667	3.37385E-05	9.59115E-05	5.35667E-05	0.000107682	0.000113475	3.36892E-05	9.59115E-05	5.10327E-05	**1677**	0.000110625
0.000104831	0.000110662	3.10361E-05	8.96606E-05	4.73234E-05	0.000101645	0.000107163	3.11573E-05	8.96606E-05	4.61066E-05	**1678**	0.000104892
9.51945E-05	0.000100546	2.74652E-05	8.28965E-05	4.58368E-05	9.31322E-05	9.82355E-05	2.79492E-05	8.28965E-05	4.45912E-05	**1679**	9.5264E-05
8.64502E-05	9.14033E-05	2.37611E-05	7.77396E-05	4.508E-05	8.59586E-05	9.07477E-05	2.4789E-05	7.77396E-05	4.38216E-05	**1680**	8.64951E-05
7.48193E-05	7.91884E-05	1.95209E-05	6.96021E-05	4.50278E-05	7.56846E-05	7.99673E-05	2.09835E-05	6.96021E-05	4.37837E-05	**1681**	7.48958E-05
7.29046E-05	7.72135E-05	1.83677E-05	6.93159E-05	4.52823E-05	7.45763E-05	7.88393E-05	2.01279E-05	6.93159E-05	4.40498E-05	**1682**	7.29624E-05
7.3227E-05	7.7574E-05	1.82082E-05	7.05174E-05	4.64428E-05	7.53747E-05	7.96984E-05	2.01501E-05	7.05174E-05	4.52484E-05	**1683**	7.32999E-05
7.69948E-05	8.157E-05	1.90878E-05	7.49185E-05	4.91845E-05	7.96304E-05	8.42021E-05	2.12384E-05	7.49185E-05	4.80642E-05	**1684**	7.70882E-05
8.38202E-05	8.87798E-05	2.10487E-05	8.18631E-05	5.28821E-05	8.67847E-05	9.175E-05	2.33652E-05	8.18631E-05	5.18467E-05	**1685**	8.39538E-05
9.05851E-05	9.59123E-05	2.31603E-05	8.78899E-05	5.39182E-05	9.34389E-05	9.87596E-05	2.54794E-05	8.78899E-05	5.2862E-05	**1686**	9.07248E-05
9.16311E-05	9.69254E-05	2.46226E-05	8.93847E-05	9.9884E-05	9.45313E-05	9.98458E-05	2.66512E-05	8.93847E-05	9.13119E-05	**1687**	9.17471E-05
8.6968E-05	9.19288E-05	2.41809E-05	8.51536E-05	9.88791E-05	8.97274E-05	9.47307E-05	2.58227E-05	8.51536E-05	9.02254E-05	**1688**	8.69647E-05
8.31404E-05	8.78659E-05	2.33308E-05	7.99668E-05	9.98318E-05	8.50568E-05	8.97874E-05	2.46358E-05	7.99668E-05	9.11772E-05	**1689**	8.30625E-05
8.14782E-05	8.60925E-05	2.30763E-05	7.70683E-05	0.000100341	8.27013E-05	8.72882E-05	2.41142E-05	7.70683E-05	9.16795E-05	**1690**	8.13392E-05
8.05344E-05	8.50852E-05	2.29365E-05	7.50055E-05	0.000101085	8.11653E-05	8.56603E-05	2.37523E-05	7.50055E-05	9.24327E-05	**1691**	8.0324E-05
7.85626E-05	8.30149E-05	2.22113E-05	7.2768E-05	9.43185E-05	7.9018E-05	8.34072E-05	2.29576E-05	7.2768E-05	8.69323E-05	**1692**	7.82777E-05
7.77389E-05	8.21455E-05	2.19664E-05	7.18477E-05	9.47421E-05	7.81172E-05	8.24576E-05	2.26797E-05	7.18477E-05	8.73679E-05	**1693**	7.74395E-05
7.58397E-05	8.01417E-05	2.13912E-05	7.09437E-05	9.39812E-05	7.66194E-05	8.08773E-05	2.22341E-05	7.09437E-05	8.65923E-05	**1694**	7.5615E-05
7.68744E-05	8.12366E-05	2.16628E-05	7.27217E-05	9.89156E-05	7.80524E-05	8.23896E-05	2.26552E-05	7.27217E-05	9.02198E-05	**1695**	7.67151E-05
8.09364E-05	8.55282E-05	2.28196E-05	7.67928E-05	9.54617E-05	8.22827E-05	8.68535E-05	2.39016E-05	7.67928E-05	8.66865E-05	**1696**	8.07928E-05
8.78166E-05	9.28143E-05	2.45628E-05	8.29778E-05	9.20775E-05	8.9151E-05	9.41187E-05	2.57004E-05	8.29778E-05	8.32238E-05	**1697**	8.75778E-05
9.82341E-05	0.000103776	2.8093E-05	9.09008E-05	9.00521E-05	9.87031E-05	0.000104162	2.89767E-05	9.09008E-05	8.11517E-05	**1698**	9.79542E-05
0.000108622	0.00011463	3.25909E-05	9.7574E-05	7.46031E-05	0.000107467	0.000113304	3.29096E-05	9.7574E-05	6.82139E-05	**1699**	0.000108447
0.000111871	0.000117989	3.44403E-05	9.91205E-05	6.20775E-05	0.00010987	0.000115775	3.44438E-05	9.91205E-05	5.82976E-05	**1700**	0.000111796
0.000110594	0.000116667	3.37385E-05	9.59115E-05	5.35667E-05	0.000107682	0.000113475	3.36892E-05	9.59115E-05	5.10327E-05	**1701**	0.000110625
0.000104831	0.000110662	3.10361E-05	8.96606E-05	4.73234E-05	0.000101645	0.000107163	3.11573E-05	8.96606E-05	4.61066E-05	**1702**	0.000104892
9.51945E-05	0.000100546	2.74652E-05	8.28965E-05	4.58368E-05	9.31322E-05	9.82355E-05	2.79492E-05	8.28965E-05	4.45912E-05	**1703**	9.5264E-05
8.64502E-05	9.14033E-05	2.37611E-05	7.77396E-05	4.508E-05	8.59586E-05	9.07477E-05	2.4789E-05	7.77396E-05	4.38216E-05	**1704**	8.64951E-05
7.47804E-05	7.91473E-05	1.951E-05	6.95532E-05	4.49322E-05	7.56393E-05	7.99195E-05	2.09701E-05	6.95532E-05	4.3689E-05	**1705**	7.48559E-05
7.32135E-05	7.75402E-05	1.84526E-05	6.96964E-05	4.52413E-05	7.49322E-05	7.92149E-05	2.02318E-05	6.96964E-05	4.40096E-05	**1706**	7.32782E-05
7.35512E-05	7.79169E-05	1.82962E-05	7.09109E-05	4.64292E-05	7.57456E-05	8.009E-05	2.02572E-05	7.09109E-05	4.52369E-05	**1707**	7.36304E-05
7.73491E-05	8.19449E-05	1.91817E-05	7.53372E-05	4.91557E-05	8.00308E-05	8.4625E-05	2.13516E-05	7.53372E-05	4.80377E-05	**1708**	7.74478E-05
8.42248E-05	8.92078E-05	2.11573E-05	8.23481E-05	5.2849E-05	8.7245E-05	9.2236E-05	2.34968E-05	8.23481E-05	5.18157E-05	**1709**	8.43655E-05
9.09079E-05	9.62537E-05	2.32472E-05	8.82778E-05	5.38749E-05	9.38065E-05	9.91478E-05	2.55847E-05	8.82778E-05	5.28207E-05	**1710**	9.10533E-05
9.34642E-05	9.88899E-05	2.47923E-05	9.00116E-05	9.98476E-05	9.59283E-05	0.000101337	2.68433E-05	9.00116E-05	9.12773E-05	**1711**	9.35941E-05
8.74443E-05	9.24324E-05	2.43112E-05	8.5737E-05	9.88469E-05	9.02746E-05	9.53083E-05	2.59818E-05	8.5737E-05	9.01945E-05	**1712**	8.74511E-05
8.3682E-05	8.84383E-05	2.34833E-05	8.06522E-05	9.98199E-05	8.56888E-05	9.04541E-05	2.48243E-05	8.06522E-05	9.11669E-05	**1713**	8.36187E-05
8.2016E-05	8.66611E-05	2.32238E-05	7.77286E-05	0.00010034	8.33199E-05	8.79412E-05	2.42945E-05	7.77286E-05	9.16796E-05	**1714**	8.18886E-05
8.09972E-05	8.55745E-05	2.30641E-05	7.55774E-05	0.000101079	8.16993E-05	8.62238E-05	2.39086E-05	7.55774E-05	9.24283E-05	**1715**	8.07974E-05
7.89982E-05	8.34753E-05	2.23332E-05	7.33157E-05	9.43113E-05	7.95248E-05	8.39418E-05	2.31079E-05	7.33157E-05	8.69265E-05	**1716**	7.87246E-05
7.82453E-05	8.26811E-05	2.21027E-05	7.24564E-05	9.47606E-05	7.8694E-05	8.30666E-05	2.2845E-05	7.24564E-05	8.73882E-05	**1717**	7.7955E-05
7.62564E-05	8.05827E-05	2.15008E-05	7.14312E-05	9.40309E-05	7.70881E-05	8.13725E-05	2.23655E-05	7.14312E-05	8.6644E-05	**1718**	7.60373E-05
7.71976E-05	8.15783E-05	2.17529E-05	7.31262E-05	9.89541E-05	7.84275E-05	8.27854E-05	2.27662E-05	7.31262E-05	9.02602E-05	**1719**	7.70464E-05
8.1265E-05	8.58749E-05	2.29184E-05	7.72414E-05	9.54724E-05	8.26805E-05	8.72726E-05	2.4027E-05	7.72414E-05	8.66986E-05	**1720**	8.11349E-05
8.81879E-05	9.32061E-05	2.46741E-05	8.34829E-05	9.2074E-05	8.95997E-05	9.45915E-05	2.58416E-05	8.34829E-05	8.32215E-05	**1721**	8.7964E-05
9.86358E-05	0.0001042	2.82122E-05	9.1441E-05	9.00461E-05	9.91857E-05	0.000104671	2.91273E-05	9.1441E-05	8.11467E-05	**1722**	9.83712E-05
0.000109042	0.000115073	3.27114E-05	9.81175E-05	7.45956E-05	0.000107962	0.000113826	3.30599E-05	9.81175E-05	6.82074E-05	**1723**	0.00010888
0.000112363	0.000118508	3.45823E-05	9.97614E-05	6.20601E-05	0.000110451	0.000116388	3.46212E-05	9.97614E-05	5.82817E-05	**1724**	0.000112304
0.000109713	0.000115708	3.38412E-05	9.65123E-05	5.35334E-05	0.000107406	0.000113166	3.38362E-05	9.65123E-05	5.10014E-05	**1725**	0.000109758
0.000105495	0.000111363	3.12236E-05	9.05044E-05	4.72752E-05	0.000102421	0.000107982	3.13896E-05	9.05044E-05	4.60605E-05	**1726**	0.000105574
9.60209E-05	0.00010142	2.76868E-05	8.38855E-05	4.57831E-05	9.40716E-05	9.92275E-05	2.82175E-05	8.38855E-05	4.45394E-05	**1727**	9.61046E-05
8.68602E-05	9.18366E-05	2.38757E-05	7.82548E-05	4.49296E-05	8.64354E-05	9.12508E-05	2.49304E-05	7.82548E-05	4.36722E-05	**1728**	8.69156E-05
7.47804E-05	7.91473E-05	1.951E-05	6.95532E-05	4.49322E-05	7.56393E-05	7.99195E-05	2.09701E-05	6.95532E-05	4.3689E-05	**1729**	7.48559E-05
7.32135E-05	7.75402E-05	1.84526E-05	6.96964E-05	4.52413E-05	7.49322E-05	7.92149E-05	2.02318E-05	6.96964E-05	4.40096E-05	**1730**	7.32782E-05
7.35512E-05	7.79169E-05	1.82962E-05	7.09109E-05	4.64292E-05	7.57456E-05	8.009E-05	2.02572E-05	7.09109E-05	4.52369E-05	**1731**	7.36304E-05
7.73491E-05	8.19449E-05	1.91817E-05	7.53372E-05	4.91557E-05	8.00308E-05	8.4625E-05	2.13516E-05	7.53372E-05	4.80377E-05	**1732**	7.74478E-05
8.42248E-05	8.92078E-05	2.11573E-05	8.23481E-05	5.2849E-05	8.7245E-05	9.2236E-05	2.34968E-05	8.23481E-05	5.18157E-05	**1733**	8.43655E-05
9.09079E-05	9.62537E-05	2.32472E-05	8.82778E-05	5.38749E-05	9.38065E-05	9.91478E-05	2.55847E-05	8.82778E-05	5.28207E-05	**1734**	9.10533E-05
9.34642E-05	9.88899E-05	2.47923E-05	9.00116E-05	9.98476E-05	9.59283E-05	0.000101337	2.68433E-05	9.00116E-05	9.12773E-05	**1735**	9.35941E-05
8.74443E-05	9.24324E-05	2.43112E-05	8.5737E-05	9.88469E-05	9.02746E-05	9.53083E-05	2.59818E-05	8.5737E-05	9.01945E-05	**1736**	8.74511E-05
8.3682E-05	8.84383E-05	2.34833E-05	8.06522E-05	9.98199E-05	8.56888E-05	9.04541E-05	2.48243E-05	8.06522E-05	9.11669E-05	**1737**	8.36187E-05
8.2016E-05	8.66611E-05	2.32238E-05	7.77286E-05	0.00010034	8.33199E-05	8.79412E-05	2.42945E-05	7.77286E-05	9.16796E-05	**1738**	8.18886E-05
8.09972E-05	8.55745E-05	2.30641E-05	7.55774E-05	0.000101079	8.16993E-05	8.62238E-05	2.39086E-05	7.55774E-05	9.24283E-05	**1739**	8.07974E-05

7.89982E-05	8.34753E-05	2.23332E-05	7.33157E-05	9.43113E-05	7.95248E-05	8.39418E-05	2.31079E-05	7.33157E-05	8.69265E-05	**1740**	7.87246E-05
7.82453E-05	8.26811E-05	2.21027E-05	7.24564E-05	9.47606E-05	7.8694E-05	8.30666E-05	2.2845E-05	7.24564E-05	8.73882E-05	**1741**	7.7955E-05
7.62564E-05	8.05827E-05	2.15008E-05	7.14312E-05	9.40309E-05	7.70881E-05	8.13725E-05	2.23655E-05	7.14312E-05	8.6644E-05	**1742**	7.60373E-05
7.71976E-05	8.15783E-05	2.17529E-05	7.31262E-05	9.89541E-05	7.84275E-05	8.27854E-05	2.27662E-05	7.31262E-05	9.02602E-05	**1743**	7.70464E-05
8.1265E-05	8.58749E-05	2.29184E-05	7.72414E-05	9.54724E-05	8.26805E-05	8.72726E-05	2.4027E-05	7.72414E-05	8.66986E-05	**1744**	8.11349E-05
8.81879E-05	9.32061E-05	2.46741E-05	8.34829E-05	9.2074E-05	8.95997E-05	9.45915E-05	2.58416E-05	8.34829E-05	8.32215E-05	**1745**	8.7964E-05
9.86358E-05	0.0001042	2.82122E-05	9.1441E-05	9.00461E-05	9.91857E-05	0.000104671	2.91273E-05	9.1441E-05	8.11467E-05	**1746**	9.83712E-05
0.000109042	0.000115073	3.27114E-05	9.81175E-05	7.45956E-05	0.000107962	0.000113826	3.30599E-05	9.81175E-05	6.82074E-05	**1747**	0.00010888
0.000112363	0.000118508	3.45823E-05	9.97614E-05	6.20601E-05	0.000110451	0.000116388	3.46212E-05	9.97614E-05	5.82817E-05	**1748**	0.000112304
0.000109713	0.000115708	3.38412E-05	9.65123E-05	5.35334E-05	0.000107406	0.000113166	3.38362E-05	9.65123E-05	5.10014E-05	**1749**	0.000109758
0.000105495	0.000111363	3.12236E-05	9.05044E-05	4.72752E-05	0.000102421	0.000107982	3.13896E-05	9.05044E-05	4.60605E-05	**1750**	0.000105574
9.60209E-05	0.00010142	2.76868E-05	8.38855E-05	4.57831E-05	9.40716E-05	9.92275E-05	2.82175E-05	8.38855E-05	4.45394E-05	**1751**	9.61046E-05
8.68602E-05	9.18366E-05	2.38757E-05	7.82548E-05	4.49296E-05	8.64354E-05	9.12508E-05	2.49304E-05	7.82548E-05	4.36722E-05	**1752**	8.69156E-05
7.48193E-05	7.91884E-05	1.95209E-05	6.96021E-05	4.50278E-05	7.56846E-05	7.99673E-05	2.09835E-05	6.96021E-05	4.37837E-05	**1753**	7.48958E-05
7.29046E-05	7.72135E-05	1.83677E-05	6.93159E-05	4.52823E-05	7.45763E-05	7.88393E-05	2.01279E-05	6.93159E-05	4.40498E-05	**1754**	7.29624E-05
7.3227E-05	7.7574E-05	1.82082E-05	7.05174E-05	4.64428E-05	7.53747E-05	7.96984E-05	2.01501E-05	7.05174E-05	4.52484E-05	**1755**	7.32999E-05
7.69948E-05	8.157E-05	1.90878E-05	7.49185E-05	4.91845E-05	7.96304E-05	8.42021E-05	2.12384E-05	7.49185E-05	4.80642E-05	**1756**	7.70882E-05
8.38202E-05	8.87798E-05	2.10487E-05	8.18631E-05	5.28821E-05	8.67847E-05	9.175E-05	2.33652E-05	8.18631E-05	5.18467E-05	**1757**	8.39538E-05
9.05851E-05	9.59123E-05	2.31603E-05	8.78899E-05	5.39182E-05	9.34389E-05	9.87596E-05	2.54794E-05	8.78899E-05	5.2862E-05	**1758**	9.07248E-05
9.16311E-05	9.69254E-05	2.46226E-05	8.93847E-05	9.9884E-05	9.45313E-05	9.98458E-05	2.66512E-05	8.93847E-05	9.13119E-05	**1759**	9.17471E-05
8.6968E-05	9.19288E-05	2.41809E-05	8.51536E-05	9.88791E-05	8.97274E-05	9.47307E-05	2.58227E-05	8.51536E-05	9.02254E-05	**1760**	8.69647E-05
8.31404E-05	8.78659E-05	2.33308E-05	7.99668E-05	9.98318E-05	8.50568E-05	8.97874E-05	2.46358E-05	7.99668E-05	9.11772E-05	**1761**	8.30625E-05
8.14782E-05	8.60925E-05	2.30763E-05	7.70683E-05	0.000100341	8.27013E-05	8.72882E-05	2.41142E-05	7.70683E-05	9.16795E-05	**1762**	8.13392E-05
8.05344E-05	8.50852E-05	2.29365E-05	7.50055E-05	0.000101085	8.11653E-05	8.56603E-05	2.37523E-05	7.50055E-05	9.24327E-05	**1763**	8.0324E-05
7.85626E-05	8.30149E-05	2.22113E-05	7.2768E-05	9.43185E-05	7.9018E-05	8.34072E-05	2.29576E-05	7.2768E-05	8.69323E-05	**1764**	7.82777E-05
7.77389E-05	8.21455E-05	2.19664E-05	7.18477E-05	9.47421E-05	7.81172E-05	8.24576E-05	2.26797E-05	7.18477E-05	8.73679E-05	**1765**	7.74395E-05
7.58397E-05	8.01417E-05	2.13912E-05	7.09437E-05	9.39812E-05	7.66194E-05	8.08773E-05	2.22341E-05	7.09437E-05	8.65923E-05	**1766**	7.5615E-05
7.68744E-05	8.12366E-05	2.16628E-05	7.27217E-05	9.89156E-05	7.80524E-05	8.23896E-05	2.26552E-05	7.27217E-05	9.02198E-05	**1767**	7.67151E-05
8.09364E-05	8.55282E-05	2.28196E-05	7.67928E-05	9.54617E-05	8.22827E-05	8.68535E-05	2.39016E-05	7.67928E-05	8.66865E-05	**1768**	8.07928E-05
8.78166E-05	9.28143E-05	2.45628E-05	8.29778E-05	9.20775E-05	8.9151E-05	9.41187E-05	2.57004E-05	8.29778E-05	8.32238E-05	**1769**	8.75778E-05
9.82341E-05	0.000103776	2.8093E-05	9.09008E-05	9.00521E-05	9.87031E-05	0.000104162	2.89767E-05	9.09008E-05	8.11517E-05	**1770**	9.79542E-05
0.000108622	0.00011463	3.25909E-05	9.7574E-05	7.46031E-05	0.000107467	0.000113304	3.29096E-05	9.7574E-05	6.82139E-05	**1771**	0.000108447
0.000111871	0.000117989	3.44403E-05	9.91205E-05	6.20775E-05	0.00010987	0.000115775	3.44438E-05	9.91205E-05	5.82976E-05	**1772**	0.000111796
0.000110594	0.000116667	3.37385E-05	9.59115E-05	5.35667E-05	0.000107682	0.000113475	3.36892E-05	9.59115E-05	5.10327E-05	**1773**	0.000110625
0.000104831	0.000110662	3.10361E-05	8.96606E-05	4.73234E-05	0.000101645	0.000107163	3.11573E-05	8.96606E-05	4.61066E-05	**1774**	0.000104892
9.51945E-05	0.000100546	2.74652E-05	8.28965E-05	4.58368E-05	9.31322E-05	9.82355E-05	2.79492E-05	8.28965E-05	4.45912E-05	**1775**	9.5264E-05
8.64502E-05	9.14033E-05	2.37611E-05	7.77396E-05	4.508E-05	8.59586E-05	9.07477E-05	2.4789E-05	7.77396E-05	4.38216E-05	**1776**	8.64951E-05
7.48193E-05	7.91884E-05	1.95209E-05	6.96021E-05	4.50278E-05	7.56846E-05	7.99673E-05	2.09835E-05	6.96021E-05	4.37837E-05	**1777**	7.48958E-05
7.29046E-05	7.72135E-05	1.83677E-05	6.93159E-05	4.52823E-05	7.45763E-05	7.88393E-05	2.01279E-05	6.93159E-05	4.40498E-05	**1778**	7.29624E-05
7.3227E-05	7.7574E-05	1.82082E-05	7.05174E-05	4.64428E-05	7.53747E-05	7.96984E-05	2.01501E-05	7.05174E-05	4.52484E-05	**1779**	7.32999E-05
7.69948E-05	8.157E-05	1.90878E-05	7.49185E-05	4.91845E-05	7.96304E-05	8.42021E-05	2.12384E-05	7.49185E-05	4.80642E-05	**1780**	7.70882E-05
8.38202E-05	8.87798E-05	2.10487E-05	8.18631E-05	5.28821E-05	8.67847E-05	9.175E-05	2.33652E-05	8.18631E-05	5.18467E-05	**1781**	8.39538E-05
9.05851E-05	9.59123E-05	2.31603E-05	8.78899E-05	5.39182E-05	9.34389E-05	9.87596E-05	2.54794E-05	8.78899E-05	5.2862E-05	**1782**	9.07248E-05
9.16311E-05	9.69254E-05	2.46226E-05	8.93847E-05	9.9884E-05	9.45313E-05	9.98458E-05	2.66512E-05	8.93847E-05	9.13119E-05	**1783**	9.17471E-05
8.6968E-05	9.19288E-05	2.41809E-05	8.51536E-05	9.88791E-05	8.97274E-05	9.47307E-05	2.58227E-05	8.51536E-05	9.02254E-05	**1784**	8.69647E-05
8.31404E-05	8.78659E-05	2.33308E-05	7.99668E-05	9.98318E-05	8.50568E-05	8.97874E-05	2.46358E-05	7.99668E-05	9.11772E-05	**1785**	8.30625E-05
8.14782E-05	8.60925E-05	2.30763E-05	7.70683E-05	0.000100341	8.27013E-05	8.72882E-05	2.41142E-05	7.70683E-05	9.16795E-05	**1786**	8.13392E-05
8.05344E-05	8.50852E-05	2.29365E-05	7.50055E-05	0.000101085	8.11653E-05	8.56603E-05	2.37523E-05	7.50055E-05	9.24327E-05	**1787**	8.0324E-05
7.85626E-05	8.30149E-05	2.22113E-05	7.2768E-05	9.43185E-05	7.9018E-05	8.34072E-05	2.29576E-05	7.2768E-05	8.69323E-05	**1788**	7.82777E-05
7.77389E-05	8.21455E-05	2.19664E-05	7.18477E-05	9.47421E-05	7.81172E-05	8.24576E-05	2.26797E-05	7.18477E-05	8.73679E-05	**1789**	7.74395E-05
7.58397E-05	8.01417E-05	2.13912E-05	7.09437E-05	9.39812E-05	7.66194E-05	8.08773E-05	2.22341E-05	7.09437E-05	8.65923E-05	**1790**	7.5615E-05
7.68744E-05	8.12366E-05	2.16628E-05	7.27217E-05	9.89156E-05	7.80524E-05	8.23896E-05	2.26552E-05	7.27217E-05	9.02198E-05	**1791**	7.67151E-05
8.09364E-05	8.55282E-05	2.28196E-05	7.67928E-05	9.54617E-05	8.22827E-05	8.68535E-05	2.39016E-05	7.67928E-05	8.66865E-05	**1792**	8.07928E-05
8.78166E-05	9.28143E-05	2.45628E-05	8.29778E-05	9.20775E-05	8.9151E-05	9.41187E-05	2.57004E-05	8.29778E-05	8.32238E-05	**1793**	8.75778E-05
9.82341E-05	0.000103776	2.8093E-05	9.09008E-05	9.00521E-05	9.87031E-05	0.000104162	2.89767E-05	9.09008E-05	8.11517E-05	**1794**	9.79542E-05
0.000108622	0.00011463	3.25909E-05	9.7574E-05	7.46031E-05	0.000107467	0.000113304	3.29096E-05	9.7574E-05	6.82139E-05	**1795**	0.000108447
0.000111871	0.000117989	3.44403E-05	9.91205E-05	6.20775E-05	0.00010987	0.000115775	3.44438E-05	9.91205E-05	5.82976E-05	**1796**	0.000111796
0.000110594	0.000116667	3.37385E-05	9.59115E-05	5.35667E-05	0.000107682	0.000113475	3.36892E-05	9.59115E-05	5.10327E-05	**1797**	0.000110625
0.000104831	0.000110662	3.10361E-05	8.96606E-05	4.73234E-05	0.000101645	0.000107163	3.11573E-05	8.96606E-05	4.61066E-05	**1798**	0.000104892
9.51945E-05	0.000100546	2.74652E-05	8.28965E-05	4.58368E-05	9.31322E-05	9.82355E-05	2.79492E-05	8.28965E-05	4.45912E-05	**1799**	9.5264E-05
8.64502E-05	9.14033E-05	2.37611E-05	7.77396E-05	4.508E-05	8.59586E-05	9.07477E-05	2.4789E-05	7.77396E-05	4.38216E-05	**1800**	8.64951E-05
7.48193E-05	7.91884E-05	1.95209E-05	6.96021E-05	4.50278E-05	7.56846E-05	7.99673E-05	2.09835E-05	6.96021E-05	4.37837E-05	**1801**	7.48958E-05
7.29046E-05	7.72135E-05	1.83677E-05	6.93159E-05	4.52823E-05	7.45763E-05	7.88393E-05	2.01279E-05	6.93159E-05	4.40498E-05	**1802**	7.29624E-05
7.3227E-05	7.7574E-05	1.82082E-05	7.05174E-05	4.64428E-05	7.53747E-05	7.96984E-05	2.01501E-05	7.05174E-05	4.52484E-05	**1803**	7.32999E-05
7.69948E-05	8.157E-05	1.90878E-05	7.49185E-05	4.91845E-05	7.96304E-05	8.42021E-05	2.12384E-05	7.49185E-05	4.80642E-05	**1804**	7.70882E-05
8.38202E-05	8.87798E-05	2.10487E-05	8.18631E-05	5.28821E-05	8.67847E-05	9.175E-05	2.33652E-05	8.18631E-05	5.18467E-05	**1805**	8.39538E-05
9.05851E-05	9.59123E-05	2.31603E-05	8.78899E-05	5.39182E-05	9.34389E-05	9.87596E-05	2.54794E-05	8.78899E-05	5.2862E-05	**1806**	9.07248E-05
9.16311E-05	9.69254E-05	2.46226E-05	8.93847E-05	9.9884E-05	9.45313E-05	9.98458E-05	2.66512E-05	8.93847E-05	9.13119E-05	**1807**	9.17471E-05
8.6968E-05	9.19288E-05	2.41809E-05	8.51536E-05	9.88791E-05	8.97274E-05	9.47307E-05	2.58227E-05	8.51536E-05	9.02254E-05	**1808**	8.69647E-05
8.31404E-05	8.78659E-05	2.33308E-05	7.99668E-05	9.98318E-05	8.50568E-05	8.97874E-05	2.46358E-05	7.99668E-05	9.11772E-05	**1809**	8.30625E-05
8.14782E-05	8.60925E-05	2.30763E-05	7.70683E-05	0.000100341	8.27013E-05	8.72882E-05	2.41142E-05	7.70683E-05	9.16795E-05	**1810**	8.13392E-05
8.05344E-05	8.50852E-05	2.29365E-05	7.50055E-05	0.000101085	8.11653E-05	8.56603E-05	2.37523E-05	7.50055E-05	9.24327E-05	**1811**	8.0324E-05
7.85626E-05	8.30149E-05	2.22113E-05	7.2768E-05	9.43185E-05	7.9018E-05	8.34072E-05	2.29576E-05	7.2768E-05	8.69323E-05	**1812**	7.82777E-05
7.77389E-05	8.21455E-05	2.19664E-05	7.18477E-05	9.47421E-05	7.81172E-05	8.24576E-05	2.26797E-05	7.18477E-05	8.73679E-05	**1813**	7.74395E-05
7.58397E-05	8.01417E-05	2.13912E-05	7.09437E-05	9.39812E-05	7.66194E-05	8.08773E-05	2.22341E-05	7.09437E-05	8.65923E-05	**1814**	7.5615E-05
7.68744E-05	8.12366E-05	2.16628E-05	7.27217E-05	9.89156E-05	7.80524E-05	8.23896E-05	2.26552E-05	7.27217E-05	9.02198E-05	**1815**	7.67151E-05

8.09364E-05	8.55282E-05	2.28196E-05	7.67928E-05	9.54617E-05	8.22827E-05	8.68535E-05	2.39016E-05	7.67928E-05	8.66865E-05	**1816**	8.07928E-05
8.78166E-05	9.28143E-05	2.45628E-05	8.29778E-05	9.20775E-05	8.9151E-05	9.41187E-05	2.57004E-05	8.29778E-05	8.32238E-05	**1817**	8.75778E-05
9.82341E-05	0.000103776	2.8093E-05	9.09008E-05	9.00521E-05	9.87031E-05	0.000104162	2.89767E-05	9.09008E-05	8.11517E-05	**1818**	9.79542E-05
0.000108622	0.00011463	3.25909E-05	9.7574E-05	7.46031E-05	0.000107467	0.000113304	3.29096E-05	9.7574E-05	6.82139E-05	**1819**	0.000108447
0.000111871	0.000117989	3.44403E-05	9.91205E-05	6.20775E-05	0.00010987	0.000115775	3.44438E-05	9.91205E-05	5.82976E-05	**1820**	0.000111796
0.000110594	0.000116667	3.37385E-05	9.59115E-05	5.35667E-05	0.000107682	0.000113475	3.36892E-05	9.59115E-05	5.10327E-05	**1821**	0.000110625
0.000104831	0.000110662	3.10361E-05	8.96606E-05	4.73234E-05	0.000101645	0.000107163	3.11573E-05	8.96606E-05	4.61066E-05	**1822**	0.000104892
9.51945E-05	0.000100546	2.74652E-05	8.28965E-05	4.58368E-05	9.31322E-05	9.82355E-05	2.79492E-05	8.28965E-05	4.45912E-05	**1823**	9.5264E-05
8.64502E-05	9.14033E-05	2.37611E-05	7.77396E-05	4.508E-05	8.59586E-05	9.07477E-05	2.4789E-05	7.77396E-05	4.38216E-05	**1824**	8.64951E-05
7.48193E-05	7.91884E-05	1.95209E-05	6.96021E-05	4.50278E-05	7.56846E-05	7.99673E-05	2.09835E-05	6.96021E-05	4.37837E-05	**1825**	7.48958E-05
7.29046E-05	7.72135E-05	1.83677E-05	6.93159E-05	4.52823E-05	7.45763E-05	7.88393E-05	2.01279E-05	6.93159E-05	4.40498E-05	**1826**	7.29624E-05
7.3227E-05	7.7574E-05	1.82082E-05	7.05174E-05	4.64428E-05	7.53747E-05	7.96984E-05	2.01501E-05	7.05174E-05	4.52484E-05	**1827**	7.32999E-05
7.69948E-05	8.157E-05	1.90878E-05	7.49185E-05	4.91845E-05	7.96304E-05	8.42021E-05	2.12384E-05	7.49185E-05	4.80642E-05	**1828**	7.70882E-05
8.38202E-05	8.87798E-05	2.10487E-05	8.18631E-05	5.28821E-05	8.67847E-05	9.175E-05	2.33652E-05	8.18631E-05	5.18467E-05	**1829**	8.39538E-05
9.05851E-05	9.59123E-05	2.31603E-05	8.78899E-05	5.39182E-05	9.34389E-05	9.87596E-05	2.54794E-05	8.78899E-05	5.2862E-05	**1830**	9.07248E-05
9.16311E-05	9.69254E-05	2.46226E-05	8.93847E-05	9.9884E-05	9.45313E-05	9.98458E-05	2.66512E-05	8.93847E-05	9.13119E-05	**1831**	9.17471E-05
8.6968E-05	9.19288E-05	2.41809E-05	8.51536E-05	9.88791E-05	8.97274E-05	9.47307E-05	2.58227E-05	8.51536E-05	9.02254E-05	**1832**	8.69647E-05
8.31404E-05	8.78659E-05	2.33308E-05	7.99668E-05	9.98318E-05	8.50568E-05	8.97874E-05	2.46358E-05	7.99668E-05	9.11772E-05	**1833**	8.30625E-05
8.14782E-05	8.60925E-05	2.30763E-05	7.70683E-05	0.000100341	8.27013E-05	8.72882E-05	2.41142E-05	7.70683E-05	9.16795E-05	**1834**	8.13392E-05
8.05344E-05	8.50852E-05	2.29365E-05	7.50055E-05	0.000101085	8.11653E-05	8.56603E-05	2.37523E-05	7.50055E-05	9.24327E-05	**1835**	8.0324E-05
7.85626E-05	8.30149E-05	2.22113E-05	7.2768E-05	9.43185E-05	7.9018E-05	8.34072E-05	2.29576E-05	7.2768E-05	8.69323E-05	**1836**	7.82777E-05
7.77389E-05	8.21455E-05	2.19664E-05	7.18477E-05	9.47421E-05	7.81172E-05	8.24576E-05	2.26797E-05	7.18477E-05	8.73679E-05	**1837**	7.74395E-05
7.58397E-05	8.01417E-05	2.13912E-05	7.09437E-05	9.39812E-05	7.66194E-05	8.08773E-05	2.22341E-05	7.09437E-05	8.65923E-05	**1838**	7.5615E-05
7.68744E-05	8.12366E-05	2.16628E-05	7.27217E-05	9.89156E-05	7.80524E-05	8.23896E-05	2.26552E-05	7.27217E-05	9.02198E-05	**1839**	7.67151E-05
8.09364E-05	8.55282E-05	2.28196E-05	7.67928E-05	9.54617E-05	8.22827E-05	8.68535E-05	2.39016E-05	7.67928E-05	8.66865E-05	**1840**	8.07928E-05
8.78166E-05	9.28143E-05	2.45628E-05	8.29778E-05	9.20775E-05	8.9151E-05	9.41187E-05	2.57004E-05	8.29778E-05	8.32238E-05	**1841**	8.75778E-05
9.82341E-05	0.000103776	2.8093E-05	9.09008E-05	9.00521E-05	9.87031E-05	0.000104162	2.89767E-05	9.09008E-05	8.11517E-05	**1842**	9.79542E-05
0.000108622	0.00011463	3.25909E-05	9.7574E-05	7.46031E-05	0.000107467	0.000113304	3.29096E-05	9.7574E-05	6.82139E-05	**1843**	0.000108447
0.000111871	0.000117989	3.44403E-05	9.91205E-05	6.20775E-05	0.00010987	0.000115775	3.44438E-05	9.91205E-05	5.82976E-05	**1844**	0.000111796
0.000110594	0.000116667	3.37385E-05	9.59115E-05	5.35667E-05	0.000107682	0.000113475	3.36892E-05	9.59115E-05	5.10327E-05	**1845**	0.000110625
0.000104831	0.000110662	3.10361E-05	8.96606E-05	4.73234E-05	0.000101645	0.000107163	3.11573E-05	8.96606E-05	4.61066E-05	**1846**	0.000104892
9.51945E-05	0.000100546	2.74652E-05	8.28965E-05	4.58368E-05	9.31322E-05	9.82355E-05	2.79492E-05	8.28965E-05	4.45912E-05	**1847**	9.5264E-05
8.64502E-05	9.14033E-05	2.37611E-05	7.77396E-05	4.508E-05	8.59586E-05	9.07477E-05	2.4789E-05	7.77396E-05	4.38216E-05	**1848**	8.64951E-05
7.48193E-05	7.91884E-05	1.95209E-05	6.96021E-05	4.50278E-05	7.56846E-05	7.99673E-05	2.09835E-05	6.96021E-05	4.37837E-05	**1849**	7.48958E-05
7.29046E-05	7.72135E-05	1.83677E-05	6.93159E-05	4.52823E-05	7.45763E-05	7.88393E-05	2.01279E-05	6.93159E-05	4.40498E-05	**1850**	7.29624E-05
7.3227E-05	7.7574E-05	1.82082E-05	7.05174E-05	4.64428E-05	7.53747E-05	7.96984E-05	2.01501E-05	7.05174E-05	4.52484E-05	**1851**	7.32999E-05
7.69948E-05	8.157E-05	1.90878E-05	7.49185E-05	4.91845E-05	7.96304E-05	8.42021E-05	2.12384E-05	7.49185E-05	4.80642E-05	**1852**	7.70882E-05
8.38202E-05	8.87798E-05	2.10487E-05	8.18631E-05	5.28821E-05	8.67847E-05	9.175E-05	2.33652E-05	8.18631E-05	5.18467E-05	**1853**	8.39538E-05
9.05851E-05	9.59123E-05	2.31603E-05	8.78899E-05	5.39182E-05	9.34389E-05	9.87596E-05	2.54794E-05	8.78899E-05	5.2862E-05	**1854**	9.07248E-05
9.16311E-05	9.69254E-05	2.46226E-05	8.93847E-05	9.9884E-05	9.45313E-05	9.98458E-05	2.66512E-05	8.93847E-05	9.13119E-05	**1855**	9.17471E-05
8.6968E-05	9.19288E-05	2.41809E-05	8.51536E-05	9.88791E-05	8.97274E-05	9.47307E-05	2.58227E-05	8.51536E-05	9.02254E-05	**1856**	8.69647E-05
8.31404E-05	8.78659E-05	2.33308E-05	7.99668E-05	9.98318E-05	8.50568E-05	8.97874E-05	2.46358E-05	7.99668E-05	9.11772E-05	**1857**	8.30625E-05
8.14782E-05	8.60925E-05	2.30763E-05	7.70683E-05	0.000100341	8.27013E-05	8.72882E-05	2.41142E-05	7.70683E-05	9.16795E-05	**1858**	8.13392E-05
8.05344E-05	8.50852E-05	2.29365E-05	7.50055E-05	0.000101085	8.11653E-05	8.56603E-05	2.37523E-05	7.50055E-05	9.24327E-05	**1859**	8.0324E-05
7.85626E-05	8.30149E-05	2.22113E-05	7.2768E-05	9.43185E-05	7.9018E-05	8.34072E-05	2.29576E-05	7.2768E-05	8.69323E-05	**1860**	7.82777E-05
7.77389E-05	8.21455E-05	2.19664E-05	7.18477E-05	9.47421E-05	7.81172E-05	8.24576E-05	2.26797E-05	7.18477E-05	8.73679E-05	**1861**	7.74395E-05
7.58397E-05	8.01417E-05	2.13912E-05	7.09437E-05	9.39812E-05	7.66194E-05	8.08773E-05	2.22341E-05	7.09437E-05	8.65923E-05	**1862**	7.5615E-05
7.68744E-05	8.12366E-05	2.16628E-05	7.27217E-05	9.89156E-05	7.80524E-05	8.23896E-05	2.26552E-05	7.27217E-05	9.02198E-05	**1863**	7.67151E-05
8.09364E-05	8.55282E-05	2.28196E-05	7.67928E-05	9.54617E-05	8.22827E-05	8.68535E-05	2.39016E-05	7.67928E-05	8.66865E-05	**1864**	8.07928E-05
8.78166E-05	9.28143E-05	2.45628E-05	8.29778E-05	9.20775E-05	8.9151E-05	9.41187E-05	2.57004E-05	8.29778E-05	8.32238E-05	**1865**	8.75778E-05
9.82341E-05	0.000103776	2.8093E-05	9.09008E-05	9.00521E-05	9.87031E-05	0.000104162	2.89767E-05	9.09008E-05	8.11517E-05	**1866**	9.79542E-05
0.000108622	0.00011463	3.25909E-05	9.7574E-05	7.46031E-05	0.000107467	0.000113304	3.29096E-05	9.7574E-05	6.82139E-05	**1867**	0.000108447
0.000111871	0.000117989	3.44403E-05	9.91205E-05	6.20775E-05	0.00010987	0.000115775	3.44438E-05	9.91205E-05	5.82976E-05	**1868**	0.000111796
0.000110594	0.000116667	3.37385E-05	9.59115E-05	5.35667E-05	0.000107682	0.000113475	3.36892E-05	9.59115E-05	5.10327E-05	**1869**	0.000110625
0.000104831	0.000110662	3.10361E-05	8.96606E-05	4.73234E-05	0.000101645	0.000107163	3.11573E-05	8.96606E-05	4.61066E-05	**1870**	0.000104892
9.51945E-05	0.000100546	2.74652E-05	8.28965E-05	4.58368E-05	9.31322E-05	9.82355E-05	2.79492E-05	8.28965E-05	4.45912E-05	**1871**	9.5264E-05
8.64502E-05	9.14033E-05	2.37611E-05	7.77396E-05	4.508E-05	8.59586E-05	9.07477E-05	2.4789E-05	7.77396E-05	4.38216E-05	**1872**	8.64951E-05
7.47804E-05	7.91473E-05	1.951E-05	6.95532E-05	4.49322E-05	7.56393E-05	7.99195E-05	2.09701E-05	6.95532E-05	4.3689E-05	**1873**	7.48559E-05
7.32135E-05	7.75402E-05	1.84526E-05	6.96964E-05	4.52413E-05	7.49322E-05	7.92149E-05	2.02318E-05	6.96964E-05	4.40096E-05	**1874**	7.32782E-05
7.35512E-05	7.79169E-05	1.82962E-05	7.09109E-05	4.64292E-05	7.57456E-05	8.009E-05	2.02572E-05	7.09109E-05	4.52369E-05	**1875**	7.36304E-05
7.73491E-05	8.19449E-05	1.91817E-05	7.53372E-05	4.91557E-05	8.00308E-05	8.4625E-05	2.13516E-05	7.53372E-05	4.80377E-05	**1876**	7.74478E-05
8.42248E-05	8.92078E-05	2.11573E-05	8.23481E-05	5.2849E-05	8.7245E-05	9.2236E-05	2.34968E-05	8.23481E-05	5.18157E-05	**1877**	8.43655E-05
9.09079E-05	9.62537E-05	2.32472E-05	8.82778E-05	5.38749E-05	9.38065E-05	9.91478E-05	2.55847E-05	8.82778E-05	5.28207E-05	**1878**	9.10533E-05
9.34642E-05	9.88899E-05	2.47923E-05	9.00116E-05	9.98476E-05	9.59283E-05	0.000101337	2.68433E-05	9.00116E-05	9.12773E-05	**1879**	9.35941E-05
8.74443E-05	9.24324E-05	2.43112E-05	8.5737E-05	9.88469E-05	9.02746E-05	9.53083E-05	2.59818E-05	8.5737E-05	9.01945E-05	**1880**	8.74511E-05
8.3682E-05	8.84383E-05	2.34833E-05	8.06522E-05	9.98199E-05	8.56888E-05	9.04541E-05	2.48243E-05	8.06522E-05	9.11669E-05	**1881**	8.36187E-05
8.2016E-05	8.66611E-05	2.32238E-05	7.77286E-05	0.00010034	8.33199E-05	8.79412E-05	2.42945E-05	7.77286E-05	9.16796E-05	**1882**	8.18886E-05
8.09972E-05	8.55745E-05	2.30641E-05	7.55774E-05	0.000101079	8.16993E-05	8.62238E-05	2.39086E-05	7.55774E-05	9.24283E-05	**1883**	8.07974E-05
7.89982E-05	8.34753E-05	2.23332E-05	7.33157E-05	9.43113E-05	7.95248E-05	8.39418E-05	2.31079E-05	7.33157E-05	8.69265E-05	**1884**	7.87246E-05
7.82453E-05	8.26811E-05	2.21027E-05	7.24564E-05	9.47606E-05	7.8694E-05	8.30666E-05	2.2845E-05	7.24564E-05	8.73882E-05	**1885**	7.7955E-05
7.62564E-05	8.05827E-05	2.15008E-05	7.14312E-05	9.40309E-05	7.70881E-05	8.13725E-05	2.23655E-05	7.14312E-05	8.6644E-05	**1886**	7.60373E-05
7.71976E-05	8.15783E-05	2.17529E-05	7.31262E-05	9.89541E-05	7.84275E-05	8.27854E-05	2.27662E-05	7.31262E-05	9.02602E-05	**1887**	7.70464E-05
8.1265E-05	8.58749E-05	2.29184E-05	7.72414E-05	9.54724E-05	8.26805E-05	8.72726E-05	2.4027E-05	7.72414E-05	8.66986E-05	**1888**	8.11349E-05
8.81879E-05	9.32061E-05	2.46741E-05	8.34829E-05	9.2074E-05	8.95997E-05	9.45915E-05	2.58416E-05	8.34829E-05	8.32215E-05	**1889**	8.7964E-05
9.86358E-05	0.0001042	2.82122E-05	9.1441E-05	9.00461E-05	9.91857E-05	0.000104671	2.91273E-05	9.1441E-05	8.11467E-05	**1890**	9.83712E-05
0.000109042	0.000115073	3.27114E-05	9.81175E-05	7.45956E-05	0.000107962	0.000113826	3.30599E-05	9.81175E-05	6.82074E-05	**1891**	0.00010888

0.000112363	0.000118508	3.45823E-05	9.97614E-05	6.20601E-05	0.000110451	0.000116388	3.46212E-05	9.97614E-05	5.82817E-05	**1892**	0.000112304
0.000109713	0.000115708	3.38412E-05	9.65123E-05	5.35334E-05	0.000107406	0.000113166	3.38362E-05	9.65123E-05	5.10014E-05	**1893**	0.000109758
0.000105495	0.000111363	3.12236E-05	9.05044E-05	4.72752E-05	0.000102421	0.000107982	3.13896E-05	9.05044E-05	4.60605E-05	**1894**	0.000105574
9.60209E-05	0.00010142	2.76868E-05	8.38855E-05	4.57831E-05	9.40716E-05	9.92275E-05	2.82175E-05	8.38855E-05	4.45394E-05	**1895**	9.61046E-05
8.68602E-05	9.18366E-05	2.38757E-05	7.82548E-05	4.49296E-05	8.64354E-05	9.12508E-05	2.49304E-05	7.82548E-05	4.36722E-05	**1896**	8.69156E-05
7.47804E-05	7.91473E-05	1.951E-05	6.95532E-05	4.49322E-05	7.56393E-05	7.99195E-05	2.09701E-05	6.95532E-05	4.3689E-05	**1897**	7.48559E-05
7.32135E-05	7.75402E-05	1.84526E-05	6.96964E-05	4.52413E-05	7.49322E-05	7.92149E-05	2.02318E-05	6.96964E-05	4.40096E-05	**1898**	7.32782E-05
7.35512E-05	7.79169E-05	1.82962E-05	7.09109E-05	4.64292E-05	7.57456E-05	8.009E-05	2.02572E-05	7.09109E-05	4.52369E-05	**1899**	7.36304E-05
7.73491E-05	8.19449E-05	1.91817E-05	7.53372E-05	4.91557E-05	8.00308E-05	8.4625E-05	2.13516E-05	7.53372E-05	4.80377E-05	**1900**	7.74478E-05
8.42248E-05	8.92078E-05	2.11573E-05	8.23481E-05	5.2849E-05	8.7245E-05	9.2236E-05	2.34968E-05	8.23481E-05	5.18157E-05	**1901**	8.43655E-05
9.09079E-05	9.62537E-05	2.32472E-05	8.82778E-05	5.38749E-05	9.38065E-05	9.91478E-05	2.55847E-05	8.82778E-05	5.28207E-05	**1902**	9.10533E-05
9.34642E-05	9.88899E-05	2.47923E-05	9.00116E-05	9.98476E-05	9.59283E-05	0.000101337	2.68433E-05	9.00116E-05	9.12773E-05	**1903**	9.35941E-05
8.74443E-05	9.24324E-05	2.43112E-05	8.5737E-05	9.88469E-05	9.02746E-05	9.53083E-05	2.59818E-05	8.5737E-05	9.01945E-05	**1904**	8.74511E-05
8.3682E-05	8.84383E-05	2.34833E-05	8.06522E-05	9.98199E-05	8.56888E-05	9.04541E-05	2.48243E-05	8.06522E-05	9.11669E-05	**1905**	8.36187E-05
8.2016E-05	8.66611E-05	2.32238E-05	7.77286E-05	0.00010034	8.33199E-05	8.79412E-05	2.42945E-05	7.77286E-05	9.16796E-05	**1906**	8.18886E-05
8.09972E-05	8.55745E-05	2.30641E-05	7.55774E-05	0.000101079	8.16993E-05	8.62238E-05	2.39086E-05	7.55774E-05	9.24283E-05	**1907**	8.07974E-05
7.89982E-05	8.34753E-05	2.23332E-05	7.33157E-05	9.43113E-05	7.95248E-05	8.39418E-05	2.31079E-05	7.33157E-05	8.69265E-05	**1908**	7.87246E-05
7.82453E-05	8.26811E-05	2.21027E-05	7.24564E-05	9.47606E-05	7.8694E-05	8.30666E-05	2.2845E-05	7.24564E-05	8.73882E-05	**1909**	7.7955E-05
7.62564E-05	8.05827E-05	2.15008E-05	7.14312E-05	9.40309E-05	7.70881E-05	8.13725E-05	2.23655E-05	7.14312E-05	8.6644E-05	**1910**	7.60373E-05
7.71976E-05	8.15783E-05	2.17529E-05	7.31262E-05	9.89541E-05	7.84275E-05	8.27854E-05	2.27662E-05	7.31262E-05	9.02602E-05	**1911**	7.70464E-05
8.1265E-05	8.58749E-05	2.29184E-05	7.72414E-05	9.54724E-05	8.26805E-05	8.72726E-05	2.4027E-05	7.72414E-05	8.66986E-05	**1912**	8.11349E-05
8.81879E-05	9.32061E-05	2.46741E-05	8.34829E-05	9.2074E-05	8.95997E-05	9.45915E-05	2.58416E-05	8.34829E-05	8.32215E-05	**1913**	8.7964E-05
9.86358E-05	0.0001042	2.82122E-05	9.1441E-05	9.00461E-05	9.91857E-05	0.000104671	2.91273E-05	9.1441E-05	8.11467E-05	**1914**	9.83712E-05
0.000109042	0.000115073	3.27114E-05	9.81175E-05	7.45956E-05	0.000107962	0.000113826	3.30599E-05	9.81175E-05	6.82074E-05	**1915**	0.00010888
0.000112363	0.000118508	3.45823E-05	9.97614E-05	6.20601E-05	0.000110451	0.000116388	3.46212E-05	9.97614E-05	5.82817E-05	**1916**	0.000112304
0.000109713	0.000115708	3.38412E-05	9.65123E-05	5.35334E-05	0.000107406	0.000113166	3.38362E-05	9.65123E-05	5.10014E-05	**1917**	0.000109758
0.000105495	0.000111363	3.12236E-05	9.05044E-05	4.72752E-05	0.000102421	0.000107982	3.13896E-05	9.05044E-05	4.60605E-05	**1918**	0.000105574
9.60209E-05	0.00010142	2.76868E-05	8.38855E-05	4.57831E-05	9.40716E-05	9.92275E-05	2.82175E-05	8.38855E-05	4.45394E-05	**1919**	9.61046E-05
8.68602E-05	9.18366E-05	2.38757E-05	7.82548E-05	4.49296E-05	8.64354E-05	9.12508E-05	2.49304E-05	7.82548E-05	4.36722E-05	**1920**	8.69156E-05
7.48193E-05	7.91884E-05	1.95209E-05	6.96021E-05	4.50278E-05	7.56846E-05	7.99673E-05	2.09835E-05	6.96021E-05	4.37837E-05	**1921**	7.48958E-05
7.29046E-05	7.72135E-05	1.83677E-05	6.93159E-05	4.52823E-05	7.45763E-05	7.88393E-05	2.01279E-05	6.93159E-05	4.40498E-05	**1922**	7.29624E-05
7.3227E-05	7.7574E-05	1.82082E-05	7.05174E-05	4.64428E-05	7.53747E-05	7.96984E-05	2.01501E-05	7.05174E-05	4.52484E-05	**1923**	7.32999E-05
7.69948E-05	8.157E-05	1.90878E-05	7.49185E-05	4.91845E-05	7.96304E-05	8.42021E-05	2.12384E-05	7.49185E-05	4.80642E-05	**1924**	7.70882E-05
8.38202E-05	8.87798E-05	2.10487E-05	8.18631E-05	5.28821E-05	8.67847E-05	9.175E-05	2.33652E-05	8.18631E-05	5.18467E-05	**1925**	8.39538E-05
9.05851E-05	9.59123E-05	2.31603E-05	8.78899E-05	5.39182E-05	9.34389E-05	9.87596E-05	2.54794E-05	8.78899E-05	5.2862E-05	**1926**	9.07248E-05
9.16311E-05	9.69254E-05	2.46226E-05	8.93847E-05	9.9884E-05	9.45313E-05	9.98458E-05	2.66512E-05	8.93847E-05	9.13119E-05	**1927**	9.17471E-05
8.6968E-05	9.19288E-05	2.41809E-05	8.51536E-05	9.88791E-05	8.97274E-05	9.47307E-05	2.58227E-05	8.51536E-05	9.02254E-05	**1928**	8.69647E-05
8.31404E-05	8.78659E-05	2.33308E-05	7.99668E-05	9.98318E-05	8.50568E-05	8.97874E-05	2.46358E-05	7.99668E-05	9.11772E-05	**1929**	8.30625E-05
8.14782E-05	8.60925E-05	2.30763E-05	7.70683E-05	0.000100341	8.27013E-05	8.72882E-05	2.41142E-05	7.70683E-05	9.16795E-05	**1930**	8.13392E-05
8.05344E-05	8.50852E-05	2.29365E-05	7.50055E-05	0.000101085	8.11653E-05	8.56603E-05	2.37523E-05	7.50055E-05	9.24327E-05	**1931**	8.0324E-05
7.85626E-05	8.30149E-05	2.22113E-05	7.2768E-05	9.43185E-05	7.9018E-05	8.34072E-05	2.29576E-05	7.2768E-05	8.69323E-05	**1932**	7.82777E-05
7.77389E-05	8.21455E-05	2.19664E-05	7.18477E-05	9.47421E-05	7.81172E-05	8.24576E-05	2.26797E-05	7.18477E-05	8.73679E-05	**1933**	7.74395E-05
7.58397E-05	8.01417E-05	2.13912E-05	7.09437E-05	9.39812E-05	7.66194E-05	8.08773E-05	2.22341E-05	7.09437E-05	8.65923E-05	**1934**	7.5615E-05
7.68744E-05	8.12366E-05	2.16628E-05	7.27217E-05	9.89156E-05	7.80524E-05	8.23896E-05	2.26552E-05	7.27217E-05	9.02198E-05	**1935**	7.67151E-05
8.09364E-05	8.55282E-05	2.28196E-05	7.67928E-05	9.54617E-05	8.22827E-05	8.68535E-05	2.39016E-05	7.67928E-05	8.66865E-05	**1936**	8.07928E-05
8.78166E-05	9.28143E-05	2.45628E-05	8.29778E-05	9.20775E-05	8.9151E-05	9.41187E-05	2.57004E-05	8.29778E-05	8.32238E-05	**1937**	8.75778E-05
9.82341E-05	0.000103776	2.8093E-05	9.09008E-05	9.00521E-05	9.87031E-05	0.000104162	2.89767E-05	9.09008E-05	8.11517E-05	**1938**	9.79542E-05
0.000108622	0.00011463	3.25909E-05	9.7574E-05	7.46031E-05	0.000107467	0.000113304	3.29096E-05	9.7574E-05	6.82139E-05	**1939**	0.000108447
0.000111871	0.000117989	3.44403E-05	9.91205E-05	6.20775E-05	0.00010987	0.000115775	3.44438E-05	9.91205E-05	5.82976E-05	**1940**	0.000111796
0.000110594	0.000116667	3.37385E-05	9.59115E-05	5.35667E-05	0.000107682	0.000113475	3.36892E-05	9.59115E-05	5.10327E-05	**1941**	0.000110625
0.000104831	0.000110662	3.10361E-05	8.96606E-05	4.73234E-05	0.000101645	0.000107163	3.11573E-05	8.96606E-05	4.61066E-05	**1942**	0.000104892
9.51945E-05	0.000100546	2.74652E-05	8.28965E-05	4.58368E-05	9.31322E-05	9.82355E-05	2.79492E-05	8.28965E-05	4.45912E-05	**1943**	9.5264E-05
8.64502E-05	9.14033E-05	2.37611E-05	7.77396E-05	4.508E-05	8.59586E-05	9.07477E-05	2.4789E-05	7.77396E-05	4.38216E-05	**1944**	8.64951E-05
7.48193E-05	7.91884E-05	1.95209E-05	6.96021E-05	4.50278E-05	7.56846E-05	7.99673E-05	2.09835E-05	6.96021E-05	4.37837E-05	**1945**	7.48958E-05
7.29046E-05	7.72135E-05	1.83677E-05	6.93159E-05	4.52823E-05	7.45763E-05	7.88393E-05	2.01279E-05	6.93159E-05	4.40498E-05	**1946**	7.29624E-05
7.3227E-05	7.7574E-05	1.82082E-05	7.05174E-05	4.64428E-05	7.53747E-05	7.96984E-05	2.01501E-05	7.05174E-05	4.52484E-05	**1947**	7.32999E-05
7.69948E-05	8.157E-05	1.90878E-05	7.49185E-05	4.91845E-05	7.96304E-05	8.42021E-05	2.12384E-05	7.49185E-05	4.80642E-05	**1948**	7.70882E-05
8.38202E-05	8.87798E-05	2.10487E-05	8.18631E-05	5.28821E-05	8.67847E-05	9.175E-05	2.33652E-05	8.18631E-05	5.18467E-05	**1949**	8.39538E-05
9.05851E-05	9.59123E-05	2.31603E-05	8.78899E-05	5.39182E-05	9.34389E-05	9.87596E-05	2.54794E-05	8.78899E-05	5.2862E-05	**1950**	9.07248E-05
9.16311E-05	9.69254E-05	2.46226E-05	8.93847E-05	9.9884E-05	9.45313E-05	9.98458E-05	2.66512E-05	8.93847E-05	9.13119E-05	**1951**	9.17471E-05
8.6968E-05	9.19288E-05	2.41809E-05	8.51536E-05	9.88791E-05	8.97274E-05	9.47307E-05	2.58227E-05	8.51536E-05	9.02254E-05	**1952**	8.69647E-05
8.31404E-05	8.78659E-05	2.33308E-05	7.99668E-05	9.98318E-05	8.50568E-05	8.97874E-05	2.46358E-05	7.99668E-05	9.11772E-05	**1953**	8.30625E-05
8.14782E-05	8.60925E-05	2.30763E-05	7.70683E-05	0.000100341	8.27013E-05	8.72882E-05	2.41142E-05	7.70683E-05	9.16795E-05	**1954**	8.13392E-05
8.05344E-05	8.50852E-05	2.29365E-05	7.50055E-05	0.000101085	8.11653E-05	8.56603E-05	2.37523E-05	7.50055E-05	9.24327E-05	**1955**	8.0324E-05
7.85626E-05	8.30149E-05	2.22113E-05	7.2768E-05	9.43185E-05	7.9018E-05	8.34072E-05	2.29576E-05	7.2768E-05	8.69323E-05	**1956**	7.82777E-05
7.77389E-05	8.21455E-05	2.19664E-05	7.18477E-05	9.47421E-05	7.81172E-05	8.24576E-05	2.26797E-05	7.18477E-05	8.73679E-05	**1957**	7.74395E-05
7.58397E-05	8.01417E-05	2.13912E-05	7.09437E-05	9.39812E-05	7.66194E-05	8.08773E-05	2.22341E-05	7.09437E-05	8.65923E-05	**1958**	7.5615E-05
7.68744E-05	8.12366E-05	2.16628E-05	7.27217E-05	9.89156E-05	7.80524E-05	8.23896E-05	2.26552E-05	7.27217E-05	9.02198E-05	**1959**	7.67151E-05
8.09364E-05	8.55282E-05	2.28196E-05	7.67928E-05	9.54617E-05	8.22827E-05	8.68535E-05	2.39016E-05	7.67928E-05	8.66865E-05	**1960**	8.07928E-05
8.78166E-05	9.28143E-05	2.45628E-05	8.29778E-05	9.20775E-05	8.9151E-05	9.41187E-05	2.57004E-05	8.29778E-05	8.32238E-05	**1961**	8.75778E-05
9.82341E-05	0.000103776	2.8093E-05	9.09008E-05	9.00521E-05	9.87031E-05	0.000104162	2.89767E-05	9.09008E-05	8.11517E-05	**1962**	9.79542E-05
0.000108622	0.00011463	3.25909E-05	9.7574E-05	7.46031E-05	0.000107467	0.000113304	3.29096E-05	9.7574E-05	6.82139E-05	**1963**	0.000108447
0.000111871	0.000117989	3.44403E-05	9.91205E-05	6.20775E-05	0.00010987	0.000115775	3.44438E-05	9.91205E-05	5.82976E-05	**1964**	0.000111796
0.000110594	0.000116667	3.37385E-05	9.59115E-05	5.35667E-05	0.000107682	0.000113475	3.36892E-05	9.59115E-05	5.10327E-05	**1965**	0.000110625
0.000104831	0.000110662	3.10361E-05	8.96606E-05	4.73234E-05	0.000101645	0.000107163	3.11573E-05	8.96606E-05	4.61066E-05	**1966**	0.000104892
9.51945E-05	0.000100546	2.74652E-05	8.28965E-05	4.58368E-05	9.31322E-05	9.82355E-05	2.79492E-05	8.28965E-05	4.45912E-05	**1967**	9.5264E-05

8.64502E-05	9.14033E-05	2.37611E-05	7.77396E-05	4.508E-05	8.59586E-05	9.07477E-05	2.4789E-05	7.77396E-05	4.38216E-05	**1968**	8.64951E-05
7.48193E-05	7.91884E-05	1.95209E-05	6.96021E-05	4.50278E-05	7.56846E-05	7.99673E-05	2.09835E-05	6.96021E-05	4.37837E-05	**1969**	7.48958E-05
7.29046E-05	7.72135E-05	1.83677E-05	6.93159E-05	4.52823E-05	7.45763E-05	7.88393E-05	2.01279E-05	6.93159E-05	4.40498E-05	**1970**	7.29624E-05
7.3227E-05	7.7574E-05	1.82082E-05	7.05174E-05	4.64428E-05	7.53747E-05	7.96984E-05	2.01501E-05	7.05174E-05	4.52484E-05	**1971**	7.32999E-05
7.69948E-05	8.157E-05	1.90878E-05	7.49185E-05	4.91845E-05	7.96304E-05	8.42021E-05	2.12384E-05	7.49185E-05	4.80642E-05	**1972**	7.70882E-05
8.38202E-05	8.87798E-05	2.10487E-05	8.18631E-05	5.28821E-05	8.67847E-05	9.175E-05	2.33652E-05	8.18631E-05	5.18467E-05	**1973**	8.39538E-05
9.05851E-05	9.59123E-05	2.31603E-05	8.78899E-05	5.39182E-05	9.34389E-05	9.87596E-05	2.54794E-05	8.78899E-05	5.2862E-05	**1974**	9.07248E-05
9.16311E-05	9.69254E-05	2.46226E-05	8.93847E-05	9.9884E-05	9.45313E-05	9.98458E-05	2.66512E-05	8.93847E-05	9.13119E-05	**1975**	9.17471E-05
8.6968E-05	9.19288E-05	2.41809E-05	8.51536E-05	9.88791E-05	8.97274E-05	9.47307E-05	2.58227E-05	8.51536E-05	9.02254E-05	**1976**	8.69647E-05
8.31404E-05	8.78659E-05	2.33308E-05	7.99668E-05	9.98318E-05	8.50568E-05	8.97874E-05	2.46358E-05	7.99668E-05	9.11772E-05	**1977**	8.30625E-05
8.14782E-05	8.60925E-05	2.30763E-05	7.70683E-05	0.000100341	8.27013E-05	8.72882E-05	2.41142E-05	7.70683E-05	9.16795E-05	**1978**	8.13392E-05
8.05344E-05	8.50852E-05	2.29365E-05	7.50055E-05	0.000101085	8.11653E-05	8.56603E-05	2.37523E-05	7.50055E-05	9.24327E-05	**1979**	8.0324E-05
7.85626E-05	8.30149E-05	2.22113E-05	7.2768E-05	9.43185E-05	7.9018E-05	8.34072E-05	2.29576E-05	7.2768E-05	8.69323E-05	**1980**	7.82777E-05
7.77389E-05	8.21455E-05	2.19664E-05	7.18477E-05	9.47421E-05	7.81172E-05	8.24576E-05	2.26797E-05	7.18477E-05	8.73679E-05	**1981**	7.74395E-05
7.58397E-05	8.01417E-05	2.13912E-05	7.09437E-05	9.39812E-05	7.66194E-05	8.08773E-05	2.22341E-05	7.09437E-05	8.65923E-05	**1982**	7.5615E-05
7.68744E-05	8.12366E-05	2.16628E-05	7.27217E-05	9.89156E-05	7.80524E-05	8.23896E-05	2.26552E-05	7.27217E-05	9.02198E-05	**1983**	7.67151E-05
8.09364E-05	8.55282E-05	2.28196E-05	7.67928E-05	9.54617E-05	8.22827E-05	8.68535E-05	2.39016E-05	7.67928E-05	8.66865E-05	**1984**	8.07928E-05
8.78166E-05	9.28143E-05	2.45628E-05	8.29778E-05	9.20775E-05	8.9151E-05	9.41187E-05	2.57004E-05	8.29778E-05	8.32238E-05	**1985**	8.75778E-05
9.82341E-05	0.000103776	2.8093E-05	9.09008E-05	9.00521E-05	9.87031E-05	0.000104162	2.89767E-05	9.09008E-05	8.11517E-05	**1986**	9.79542E-05
0.000108622	0.00011463	3.25909E-05	9.7574E-05	7.46031E-05	0.000107467	0.000113304	3.29096E-05	9.7574E-05	6.82139E-05	**1987**	0.000108447
0.000111871	0.000117989	3.44403E-05	9.91205E-05	6.20775E-05	0.00010987	0.000115775	3.44438E-05	9.91205E-05	5.82976E-05	**1988**	0.000111796
0.000110594	0.000116667	3.37385E-05	9.59115E-05	5.35667E-05	0.000107682	0.000113475	3.36892E-05	9.59115E-05	5.10327E-05	**1989**	0.000110625
0.000104831	0.000110662	3.10361E-05	8.96606E-05	4.73234E-05	0.000101645	0.000107163	3.11573E-05	8.96606E-05	4.61066E-05	**1990**	0.000104892
9.51945E-05	0.000100546	2.74652E-05	8.28965E-05	4.58368E-05	9.31322E-05	9.82355E-05	2.79492E-05	8.28965E-05	4.45912E-05	**1991**	9.5264E-05
8.64502E-05	9.14033E-05	2.37611E-05	7.77396E-05	4.508E-05	8.59586E-05	9.07477E-05	2.4789E-05	7.77396E-05	4.38216E-05	**1992**	8.64951E-05
7.48193E-05	7.91884E-05	1.95209E-05	6.96021E-05	4.50278E-05	7.56846E-05	7.99673E-05	2.09835E-05	6.96021E-05	4.37837E-05	**1993**	7.48958E-05
7.29046E-05	7.72135E-05	1.83677E-05	6.93159E-05	4.52823E-05	7.45763E-05	7.88393E-05	2.01279E-05	6.93159E-05	4.40498E-05	**1994**	7.29624E-05
7.3227E-05	7.7574E-05	1.82082E-05	7.05174E-05	4.64428E-05	7.53747E-05	7.96984E-05	2.01501E-05	7.05174E-05	4.52484E-05	**1995**	7.32999E-05
7.69948E-05	8.157E-05	1.90878E-05	7.49185E-05	4.91845E-05	7.96304E-05	8.42021E-05	2.12384E-05	7.49185E-05	4.80642E-05	**1996**	7.70882E-05
8.38202E-05	8.87798E-05	2.10487E-05	8.18631E-05	5.28821E-05	8.67847E-05	9.175E-05	2.33652E-05	8.18631E-05	5.18467E-05	**1997**	8.39538E-05
9.05851E-05	9.59123E-05	2.31603E-05	8.78899E-05	5.39182E-05	9.34389E-05	9.87596E-05	2.54794E-05	8.78899E-05	5.2862E-05	**1998**	9.07248E-05
9.16311E-05	9.69254E-05	2.46226E-05	8.93847E-05	9.9884E-05	9.45313E-05	9.98458E-05	2.66512E-05	8.93847E-05	9.13119E-05	**1999**	9.17471E-05
8.6968E-05	9.19288E-05	2.41809E-05	8.51536E-05	9.88791E-05	8.97274E-05	9.47307E-05	2.58227E-05	8.51536E-05	9.02254E-05	**2000**	8.69647E-05
8.31404E-05	8.78659E-05	2.33308E-05	7.99668E-05	9.98318E-05	8.50568E-05	8.97874E-05	2.46358E-05	7.99668E-05	9.11772E-05	**2001**	8.30625E-05
8.14782E-05	8.60925E-05	2.30763E-05	7.70683E-05	0.000100341	8.27013E-05	8.72882E-05	2.41142E-05	7.70683E-05	9.16795E-05	**2002**	8.13392E-05
8.05344E-05	8.50852E-05	2.29365E-05	7.50055E-05	0.000101085	8.11653E-05	8.56603E-05	2.37523E-05	7.50055E-05	9.24327E-05	**2003**	8.0324E-05
7.85626E-05	8.30149E-05	2.22113E-05	7.2768E-05	9.43185E-05	7.9018E-05	8.34072E-05	2.29576E-05	7.2768E-05	8.69323E-05	**2004**	7.82777E-05
7.77389E-05	8.21455E-05	2.19664E-05	7.18477E-05	9.47421E-05	7.81172E-05	8.24576E-05	2.26797E-05	7.18477E-05	8.73679E-05	**2005**	7.74395E-05
7.58397E-05	8.01417E-05	2.13912E-05	7.09437E-05	9.39812E-05	7.66194E-05	8.08773E-05	2.22341E-05	7.09437E-05	8.65923E-05	**2006**	7.5615E-05
7.68744E-05	8.12366E-05	2.16628E-05	7.27217E-05	9.89156E-05	7.80524E-05	8.23896E-05	2.26552E-05	7.27217E-05	9.02198E-05	**2007**	7.67151E-05
8.09364E-05	8.55282E-05	2.28196E-05	7.67928E-05	9.54617E-05	8.22827E-05	8.68535E-05	2.39016E-05	7.67928E-05	8.66865E-05	**2008**	8.07928E-05
8.78166E-05	9.28143E-05	2.45628E-05	8.29778E-05	9.20775E-05	8.9151E-05	9.41187E-05	2.57004E-05	8.29778E-05	8.32238E-05	**2009**	8.75778E-05
9.82341E-05	0.000103776	2.8093E-05	9.09008E-05	9.00521E-05	9.87031E-05	0.000104162	2.89767E-05	9.09008E-05	8.11517E-05	**2010**	9.79542E-05
0.000108622	0.00011463	3.25909E-05	9.7574E-05	7.46031E-05	0.000107467	0.000113304	3.29096E-05	9.7574E-05	6.82139E-05	**2011**	0.000108447
0.000111871	0.000117989	3.44403E-05	9.91205E-05	6.20775E-05	0.00010987	0.000115775	3.44438E-05	9.91205E-05	5.82976E-05	**2012**	0.000111796
0.000110594	0.000116667	3.37385E-05	9.59115E-05	5.35667E-05	0.000107682	0.000113475	3.36892E-05	9.59115E-05	5.10327E-05	**2013**	0.000110625
0.000104831	0.000110662	3.10361E-05	8.96606E-05	4.73234E-05	0.000101645	0.000107163	3.11573E-05	8.96606E-05	4.61066E-05	**2014**	0.000104892
9.51945E-05	0.000100546	2.74652E-05	8.28965E-05	4.58368E-05	9.31322E-05	9.82355E-05	2.79492E-05	8.28965E-05	4.45912E-05	**2015**	9.5264E-05
8.64502E-05	9.14033E-05	2.37611E-05	7.77396E-05	4.508E-05	8.59586E-05	9.07477E-05	2.4789E-05	7.77396E-05	4.38216E-05	**2016**	8.64951E-05
7.48193E-05	7.91884E-05	1.95209E-05	6.96021E-05	4.50278E-05	7.56846E-05	7.99673E-05	2.09835E-05	6.96021E-05	4.37837E-05	**2017**	7.48958E-05
7.29046E-05	7.72135E-05	1.83677E-05	6.93159E-05	4.52823E-05	7.45763E-05	7.88393E-05	2.01279E-05	6.93159E-05	4.40498E-05	**2018**	7.29624E-05
7.3227E-05	7.7574E-05	1.82082E-05	7.05174E-05	4.64428E-05	7.53747E-05	7.96984E-05	2.01501E-05	7.05174E-05	4.52484E-05	**2019**	7.32999E-05
7.69948E-05	8.157E-05	1.90878E-05	7.49185E-05	4.91845E-05	7.96304E-05	8.42021E-05	2.12384E-05	7.49185E-05	4.80642E-05	**2020**	7.70882E-05
8.38202E-05	8.87798E-05	2.10487E-05	8.18631E-05	5.28821E-05	8.67847E-05	9.175E-05	2.33652E-05	8.18631E-05	5.18467E-05	**2021**	8.39538E-05
9.05851E-05	9.59123E-05	2.31603E-05	8.78899E-05	5.39182E-05	9.34389E-05	9.87596E-05	2.54794E-05	8.78899E-05	5.2862E-05	**2022**	9.07248E-05
9.16311E-05	9.69254E-05	2.46226E-05	8.93847E-05	9.9884E-05	9.45313E-05	9.98458E-05	2.66512E-05	8.93847E-05	9.13119E-05	**2023**	9.17471E-05
8.6968E-05	9.19288E-05	2.41809E-05	8.51536E-05	9.88791E-05	8.97274E-05	9.47307E-05	2.58227E-05	8.51536E-05	9.02254E-05	**2024**	8.69647E-05
8.31404E-05	8.78659E-05	2.33308E-05	7.99668E-05	9.98318E-05	8.50568E-05	8.97874E-05	2.46358E-05	7.99668E-05	9.11772E-05	**2025**	8.30625E-05
8.14782E-05	8.60925E-05	2.30763E-05	7.70683E-05	0.000100341	8.27013E-05	8.72882E-05	2.41142E-05	7.70683E-05	9.16795E-05	**2026**	8.13392E-05
8.05344E-05	8.50852E-05	2.29365E-05	7.50055E-05	0.000101085	8.11653E-05	8.56603E-05	2.37523E-05	7.50055E-05	9.24327E-05	**2027**	8.0324E-05
7.85626E-05	8.30149E-05	2.22113E-05	7.2768E-05	9.43185E-05	7.9018E-05	8.34072E-05	2.29576E-05	7.2768E-05	8.69323E-05	**2028**	7.82777E-05
7.77389E-05	8.21455E-05	2.19664E-05	7.18477E-05	9.47421E-05	7.81172E-05	8.24576E-05	2.26797E-05	7.18477E-05	8.73679E-05	**2029**	7.74395E-05
7.58397E-05	8.01417E-05	2.13912E-05	7.09437E-05	9.39812E-05	7.66194E-05	8.08773E-05	2.22341E-05	7.09437E-05	8.65923E-05	**2030**	7.5615E-05
7.68744E-05	8.12366E-05	2.16628E-05	7.27217E-05	9.89156E-05	7.80524E-05	8.23896E-05	2.26552E-05	7.27217E-05	9.02198E-05	**2031**	7.67151E-05
8.09364E-05	8.55282E-05	2.28196E-05	7.67928E-05	9.54617E-05	8.22827E-05	8.68535E-05	2.39016E-05	7.67928E-05	8.66865E-05	**2032**	8.07928E-05
8.78166E-05	9.28143E-05	2.45628E-05	8.29778E-05	9.20775E-05	8.9151E-05	9.41187E-05	2.57004E-05	8.29778E-05	8.32238E-05	**2033**	8.75778E-05
9.82341E-05	0.000103776	2.8093E-05	9.09008E-05	9.00521E-05	9.87031E-05	0.000104162	2.89767E-05	9.09008E-05	8.11517E-05	**2034**	9.79542E-05
0.000108622	0.00011463	3.25909E-05	9.7574E-05	7.46031E-05	0.000107467	0.000113304	3.29096E-05	9.7574E-05	6.82139E-05	**2035**	0.000108447
0.000111871	0.000117989	3.44403E-05	9.91205E-05	6.20775E-05	0.00010987	0.000115775	3.44438E-05	9.91205E-05	5.82976E-05	**2036**	0.000111796
0.000110594	0.000116667	3.37385E-05	9.59115E-05	5.35667E-05	0.000107682	0.000113475	3.36892E-05	9.59115E-05	5.10327E-05	**2037**	0.000110625
0.000104831	0.000110662	3.10361E-05	8.96606E-05	4.73234E-05	0.000101645	0.000107163	3.11573E-05	8.96606E-05	4.61066E-05	**2038**	0.000104892
9.51945E-05	0.000100546	2.74652E-05	8.28965E-05	4.58368E-05	9.31322E-05	9.82355E-05	2.79492E-05	8.28965E-05	4.45912E-05	**2039**	9.5264E-05
8.64502E-05	9.14033E-05	2.37611E-05	7.77396E-05	4.508E-05	8.59586E-05	9.07477E-05	2.4789E-05	7.77396E-05	4.38216E-05	**2040**	8.64951E-05
7.47804E-05	7.91473E-05	1.951E-05	6.95532E-05	4.49322E-05	7.56393E-05	7.99195E-05	2.09701E-05	6.95532E-05	4.3689E-05	**2041**	7.48559E-05
7.32135E-05	7.75402E-05	1.84526E-05	6.96964E-05	4.52413E-05	7.49322E-05	7.92149E-05	2.02318E-05	6.96964E-05	4.40096E-05	**2042**	7.32782E-05
7.35512E-05	7.79169E-05	1.82962E-05	7.09109E-05	4.64292E-05	7.57456E-05	8.009E-05	2.02572E-05	7.09109E-05	4.52369E-05	**2043**	7.36304E-05

7.73491E-05	8.19449E-05	1.91817E-05	7.53372E-05	4.91557E-05	8.00308E-05	8.4625E-05	2.13516E-05	7.53372E-05	4.80377E-05	**2044**	7.74478E-05
8.42248E-05	8.92078E-05	2.11573E-05	8.23481E-05	5.2849E-05	8.7245E-05	9.2236E-05	2.34968E-05	8.23481E-05	5.18157E-05	**2045**	8.43655E-05
9.09079E-05	9.62537E-05	2.32472E-05	8.82778E-05	5.38749E-05	9.38065E-05	9.91478E-05	2.55847E-05	8.82778E-05	5.28207E-05	**2046**	9.10533E-05
9.34642E-05	9.88899E-05	2.47923E-05	9.00116E-05	9.98476E-05	9.59283E-05	0.000101337	2.68433E-05	9.00116E-05	9.12773E-05	**2047**	9.35941E-05
8.74443E-05	9.24324E-05	2.43112E-05	8.5737E-05	9.88469E-05	9.02746E-05	9.53083E-05	2.59818E-05	8.5737E-05	9.01945E-05	**2048**	8.74511E-05
8.3682E-05	8.84383E-05	2.34833E-05	8.06522E-05	9.98199E-05	8.56888E-05	9.04541E-05	2.48243E-05	8.06522E-05	9.11669E-05	**2049**	8.36187E-05
8.2016E-05	8.66611E-05	2.32238E-05	7.77286E-05	0.00010034	8.33199E-05	8.79412E-05	2.42945E-05	7.77286E-05	9.16796E-05	**2050**	8.18886E-05
8.09972E-05	8.55745E-05	2.30641E-05	7.55774E-05	0.000101079	8.16993E-05	8.62238E-05	2.39086E-05	7.55774E-05	9.24283E-05	**2051**	8.07974E-05
7.89982E-05	8.34753E-05	2.23332E-05	7.33157E-05	9.43113E-05	7.95248E-05	8.39418E-05	2.31079E-05	7.33157E-05	8.69265E-05	**2052**	7.87246E-05
7.82453E-05	8.26811E-05	2.21027E-05	7.24564E-05	9.47606E-05	7.8694E-05	8.30666E-05	2.2845E-05	7.24564E-05	8.73882E-05	**2053**	7.7955E-05
7.62564E-05	8.05827E-05	2.15008E-05	7.14312E-05	9.40309E-05	7.70881E-05	8.13725E-05	2.23655E-05	7.14312E-05	8.6644E-05	**2054**	7.60373E-05
7.71976E-05	8.15783E-05	2.17529E-05	7.31262E-05	9.89541E-05	7.84275E-05	8.27854E-05	2.27662E-05	7.31262E-05	9.02602E-05	**2055**	7.70464E-05
8.1265E-05	8.58749E-05	2.29184E-05	7.72414E-05	9.54724E-05	8.26805E-05	8.72726E-05	2.4027E-05	7.72414E-05	8.66986E-05	**2056**	8.11349E-05
8.81879E-05	9.32061E-05	2.46741E-05	8.34829E-05	9.2074E-05	8.95997E-05	9.45915E-05	2.58416E-05	8.34829E-05	8.32215E-05	**2057**	8.7964E-05
9.86358E-05	0.0001042	2.82122E-05	9.1441E-05	9.00461E-05	9.91857E-05	0.000104671	2.91273E-05	9.1441E-05	8.11467E-05	**2058**	9.83712E-05
0.000109042	0.000115073	3.27114E-05	9.81175E-05	7.45956E-05	0.000107962	0.000113826	3.30599E-05	9.81175E-05	6.82074E-05	**2059**	0.00010888
0.000112363	0.000118508	3.45823E-05	9.97614E-05	6.20601E-05	0.000110451	0.000116388	3.46212E-05	9.97614E-05	5.82817E-05	**2060**	0.000112304
0.000109713	0.000115708	3.38412E-05	9.65123E-05	5.35334E-05	0.000107406	0.000113166	3.38362E-05	9.65123E-05	5.10014E-05	**2061**	0.000109758
0.000105495	0.000111363	3.12236E-05	9.05044E-05	4.72752E-05	0.000102421	0.000107982	3.13896E-05	9.05044E-05	4.60605E-05	**2062**	0.000105574
9.60209E-05	0.00010142	2.76868E-05	8.38855E-05	4.57831E-05	9.40716E-05	9.92275E-05	2.82175E-05	8.38855E-05	4.45394E-05	**2063**	9.61046E-05
8.68602E-05	9.18366E-05	2.38757E-05	7.82548E-05	4.49296E-05	8.64354E-05	9.12508E-05	2.49304E-05	7.82548E-05	4.36722E-05	**2064**	8.69156E-05
7.47804E-05	7.91473E-05	1.951E-05	6.95532E-05	4.49322E-05	7.56393E-05	7.99195E-05	2.09701E-05	6.95532E-05	4.3689E-05	**2065**	7.48559E-05
7.32135E-05	7.75402E-05	1.84526E-05	6.96964E-05	4.52413E-05	7.49322E-05	7.92149E-05	2.02318E-05	6.96964E-05	4.40096E-05	**2066**	7.32782E-05
7.35512E-05	7.79169E-05	1.82962E-05	7.09109E-05	4.64292E-05	7.57456E-05	8.009E-05	2.02572E-05	7.09109E-05	4.52369E-05	**2067**	7.36304E-05
7.73491E-05	8.19449E-05	1.91817E-05	7.53372E-05	4.91557E-05	8.00308E-05	8.4625E-05	2.13516E-05	7.53372E-05	4.80377E-05	**2068**	7.74478E-05
8.42248E-05	8.92078E-05	2.11573E-05	8.23481E-05	5.2849E-05	8.7245E-05	9.2236E-05	2.34968E-05	8.23481E-05	5.18157E-05	**2069**	8.43655E-05
9.09079E-05	9.62537E-05	2.32472E-05	8.82778E-05	5.38749E-05	9.38065E-05	9.91478E-05	2.55847E-05	8.82778E-05	5.28207E-05	**2070**	9.10533E-05
9.34642E-05	9.88899E-05	2.47923E-05	9.00116E-05	9.98476E-05	9.59283E-05	0.000101337	2.68433E-05	9.00116E-05	9.12773E-05	**2071**	9.35941E-05
8.74443E-05	9.24324E-05	2.43112E-05	8.5737E-05	9.88469E-05	9.02746E-05	9.53083E-05	2.59818E-05	8.5737E-05	9.01945E-05	**2072**	8.74511E-05
8.3682E-05	8.84383E-05	2.34833E-05	8.06522E-05	9.98199E-05	8.56888E-05	9.04541E-05	2.48243E-05	8.06522E-05	9.11669E-05	**2073**	8.36187E-05
8.2016E-05	8.66611E-05	2.32238E-05	7.77286E-05	0.00010034	8.33199E-05	8.79412E-05	2.42945E-05	7.77286E-05	9.16796E-05	**2074**	8.18886E-05
8.09972E-05	8.55745E-05	2.30641E-05	7.55774E-05	0.000101079	8.16993E-05	8.62238E-05	2.39086E-05	7.55774E-05	9.24283E-05	**2075**	8.07974E-05
7.89982E-05	8.34753E-05	2.23332E-05	7.33157E-05	9.43113E-05	7.95248E-05	8.39418E-05	2.31079E-05	7.33157E-05	8.69265E-05	**2076**	7.87246E-05
7.82453E-05	8.26811E-05	2.21027E-05	7.24564E-05	9.47606E-05	7.8694E-05	8.30666E-05	2.2845E-05	7.24564E-05	8.73882E-05	**2077**	7.7955E-05
7.62564E-05	8.05827E-05	2.15008E-05	7.14312E-05	9.40309E-05	7.70881E-05	8.13725E-05	2.23655E-05	7.14312E-05	8.6644E-05	**2078**	7.60373E-05
7.71976E-05	8.15783E-05	2.17529E-05	7.31262E-05	9.89541E-05	7.84275E-05	8.27854E-05	2.27662E-05	7.31262E-05	9.02602E-05	**2079**	7.70464E-05
8.1265E-05	8.58749E-05	2.29184E-05	7.72414E-05	9.54724E-05	8.26805E-05	8.72726E-05	2.4027E-05	7.72414E-05	8.66986E-05	**2080**	8.11349E-05
8.81879E-05	9.32061E-05	2.46741E-05	8.34829E-05	9.2074E-05	8.95997E-05	9.45915E-05	2.58416E-05	8.34829E-05	8.32215E-05	**2081**	8.7964E-05
9.86358E-05	0.0001042	2.82122E-05	9.1441E-05	9.00461E-05	9.91857E-05	0.000104671	2.91273E-05	9.1441E-05	8.11467E-05	**2082**	9.83712E-05
0.000109042	0.000115073	3.27114E-05	9.81175E-05	7.45956E-05	0.000107962	0.000113826	3.30599E-05	9.81175E-05	6.82074E-05	**2083**	0.00010888
0.000112363	0.000118508	3.45823E-05	9.97614E-05	6.20601E-05	0.000110451	0.000116388	3.46212E-05	9.97614E-05	5.82817E-05	**2084**	0.000112304
0.000109713	0.000115708	3.38412E-05	9.65123E-05	5.35334E-05	0.000107406	0.000113166	3.38362E-05	9.65123E-05	5.10014E-05	**2085**	0.000109758
0.000105495	0.000111363	3.12236E-05	9.05044E-05	4.72752E-05	0.000102421	0.000107982	3.13896E-05	9.05044E-05	4.60605E-05	**2086**	0.000105574
9.60209E-05	0.00010142	2.76868E-05	8.38855E-05	4.57831E-05	9.40716E-05	9.92275E-05	2.82175E-05	8.38855E-05	4.45394E-05	**2087**	9.61046E-05
8.68602E-05	9.18366E-05	2.38757E-05	7.82548E-05	4.49296E-05	8.64354E-05	9.12508E-05	2.49304E-05	7.82548E-05	4.36722E-05	**2088**	8.69156E-05
7.48193E-05	7.91884E-05	1.95209E-05	6.96021E-05	4.50278E-05	7.56846E-05	7.99673E-05	2.09835E-05	6.96021E-05	4.37837E-05	**2089**	7.48958E-05
7.29046E-05	7.72135E-05	1.83677E-05	6.93159E-05	4.52823E-05	7.45763E-05	7.88393E-05	2.01279E-05	6.93159E-05	4.40498E-05	**2090**	7.29624E-05
7.3227E-05	7.7574E-05	1.82082E-05	7.05174E-05	4.64428E-05	7.53747E-05	7.96984E-05	2.01501E-05	7.05174E-05	4.52484E-05	**2091**	7.32999E-05
7.69948E-05	8.157E-05	1.90878E-05	7.49185E-05	4.91845E-05	7.96304E-05	8.42021E-05	2.12384E-05	7.49185E-05	4.80642E-05	**2092**	7.70882E-05
8.38202E-05	8.87798E-05	2.10487E-05	8.18631E-05	5.28821E-05	8.67847E-05	9.175E-05	2.33652E-05	8.18631E-05	5.18467E-05	**2093**	8.39538E-05
9.05851E-05	9.59123E-05	2.31603E-05	8.78899E-05	5.39182E-05	9.34389E-05	9.87596E-05	2.54794E-05	8.78899E-05	5.2862E-05	**2094**	9.07248E-05
9.16311E-05	9.69254E-05	2.46226E-05	8.93847E-05	9.9884E-05	9.45313E-05	9.98458E-05	2.66512E-05	8.93847E-05	9.13119E-05	**2095**	9.17471E-05
8.6968E-05	9.19288E-05	2.41809E-05	8.51536E-05	9.88791E-05	8.97274E-05	9.47307E-05	2.58227E-05	8.51536E-05	9.02254E-05	**2096**	8.69647E-05
8.31404E-05	8.78659E-05	2.33308E-05	7.99668E-05	9.98318E-05	8.50568E-05	8.97874E-05	2.46358E-05	7.99668E-05	9.11772E-05	**2097**	8.30625E-05
8.14782E-05	8.60925E-05	2.30763E-05	7.70683E-05	0.000100341	8.27013E-05	8.72882E-05	2.41142E-05	7.70683E-05	9.16795E-05	**2098**	8.13392E-05
8.05344E-05	8.50852E-05	2.29365E-05	7.50055E-05	0.000101085	8.11653E-05	8.56603E-05	2.37523E-05	7.50055E-05	9.24327E-05	**2099**	8.0324E-05
7.85626E-05	8.30149E-05	2.22113E-05	7.2768E-05	9.43185E-05	7.9018E-05	8.34072E-05	2.29576E-05	7.2768E-05	8.69323E-05	**2100**	7.82777E-05
7.77389E-05	8.21455E-05	2.19664E-05	7.18477E-05	9.47421E-05	7.81172E-05	8.24576E-05	2.26797E-05	7.18477E-05	8.73679E-05	**2101**	7.74395E-05
7.58397E-05	8.01417E-05	2.13912E-05	7.09437E-05	9.39812E-05	7.66194E-05	8.08773E-05	2.22341E-05	7.09437E-05	8.65923E-05	**2102**	7.5615E-05
7.68744E-05	8.12366E-05	2.16628E-05	7.27217E-05	9.89156E-05	7.80524E-05	8.23896E-05	2.26552E-05	7.27217E-05	9.02198E-05	**2103**	7.67151E-05
8.09364E-05	8.55282E-05	2.28196E-05	7.67928E-05	9.54617E-05	8.22827E-05	8.68535E-05	2.39016E-05	7.67928E-05	8.66865E-05	**2104**	8.07928E-05
8.78166E-05	9.28143E-05	2.45628E-05	8.29778E-05	9.20775E-05	8.9151E-05	9.41187E-05	2.57004E-05	8.29778E-05	8.32238E-05	**2105**	8.75778E-05
9.82341E-05	0.000103776	2.8093E-05	9.09008E-05	9.00521E-05	9.87031E-05	0.000104162	2.89767E-05	9.09008E-05	8.11517E-05	**2106**	9.79542E-05
0.000108622	0.00011463	3.25909E-05	9.7574E-05	7.46031E-05	0.000107467	0.000113304	3.29096E-05	9.7574E-05	6.82139E-05	**2107**	0.000108447
0.000111871	0.000117989	3.44403E-05	9.91205E-05	6.20775E-05	0.00010987	0.000115775	3.44438E-05	9.91205E-05	5.82976E-05	**2108**	0.000111796
0.000110594	0.000116667	3.37385E-05	9.59115E-05	5.35667E-05	0.000107682	0.000113475	3.36892E-05	9.59115E-05	5.10327E-05	**2109**	0.000110625
0.000104831	0.000110662	3.10361E-05	8.96606E-05	4.73234E-05	0.000101645	0.000107163	3.11573E-05	8.96606E-05	4.61066E-05	**2110**	0.000104892
9.51945E-05	0.000100546	2.74652E-05	8.28965E-05	4.58368E-05	9.31322E-05	9.82355E-05	2.79492E-05	8.28965E-05	4.45912E-05	**2111**	9.5264E-05
8.64502E-05	9.14033E-05	2.37611E-05	7.77396E-05	4.508E-05	8.59586E-05	9.07477E-05	2.4789E-05	7.77396E-05	4.38216E-05	**2112**	8.64951E-05
7.48193E-05	7.91884E-05	1.95209E-05	6.96021E-05	4.50278E-05	7.56846E-05	7.99673E-05	2.09835E-05	6.96021E-05	4.37837E-05	**2113**	7.48958E-05
7.29046E-05	7.72135E-05	1.83677E-05	6.93159E-05	4.52823E-05	7.45763E-05	7.88393E-05	2.01279E-05	6.93159E-05	4.40498E-05	**2114**	7.29624E-05
7.3227E-05	7.7574E-05	1.82082E-05	7.05174E-05	4.64428E-05	7.53747E-05	7.96984E-05	2.01501E-05	7.05174E-05	4.52484E-05	**2115**	7.32999E-05
7.69948E-05	8.157E-05	1.90878E-05	7.49185E-05	4.91845E-05	7.96304E-05	8.42021E-05	2.12384E-05	7.49185E-05	4.80642E-05	**2116**	7.70882E-05
8.38202E-05	8.87798E-05	2.10487E-05	8.18631E-05	5.28821E-05	8.67847E-05	9.175E-05	2.33652E-05	8.18631E-05	5.18467E-05	**2117**	8.39538E-05
9.05851E-05	9.59123E-05	2.31603E-05	8.78899E-05	5.39182E-05	9.34389E-05	9.87596E-05	2.54794E-05	8.78899E-05	5.2862E-05	**2118**	9.07248E-05
9.16311E-05	9.69254E-05	2.46226E-05	8.93847E-05	9.9884E-05	9.45313E-05	9.98458E-05	2.66512E-05	8.93847E-05	9.13119E-05	**2119**	9.17471E-05

8.6968E-05	9.19288E-05	2.41809E-05	8.51536E-05	9.88791E-05	8.97274E-05	9.47307E-05	2.58227E-05	8.51536E-05	9.02254E-05	**2120**	8.69647E-05
8.31404E-05	8.78659E-05	2.33308E-05	7.99668E-05	9.98318E-05	8.50568E-05	8.97874E-05	2.46358E-05	7.99668E-05	9.11772E-05	**2121**	8.30625E-05
8.14782E-05	8.60925E-05	2.30763E-05	7.70683E-05	0.000100341	8.27013E-05	8.72882E-05	2.41142E-05	7.70683E-05	9.16795E-05	**2122**	8.13392E-05
8.05344E-05	8.50852E-05	2.29365E-05	7.50055E-05	0.000101085	8.11653E-05	8.56603E-05	2.37523E-05	7.50055E-05	9.24327E-05	**2123**	8.0324E-05
7.85626E-05	8.30149E-05	2.22113E-05	7.2768E-05	9.43185E-05	7.9018E-05	8.34072E-05	2.29576E-05	7.2768E-05	8.69323E-05	**2124**	7.82777E-05
7.77389E-05	8.21455E-05	2.19664E-05	7.18477E-05	9.47421E-05	7.81172E-05	8.24576E-05	2.26797E-05	7.18477E-05	8.73679E-05	**2125**	7.74395E-05
7.58397E-05	8.01417E-05	2.13912E-05	7.09437E-05	9.39812E-05	7.66194E-05	8.08773E-05	2.22341E-05	7.09437E-05	8.65923E-05	**2126**	7.5615E-05
7.68744E-05	8.12366E-05	2.16628E-05	7.27217E-05	9.89156E-05	7.80524E-05	8.23896E-05	2.26552E-05	7.27217E-05	9.02198E-05	**2127**	7.67151E-05
8.09364E-05	8.55282E-05	2.28196E-05	7.67928E-05	9.54617E-05	8.22827E-05	8.68535E-05	2.39016E-05	7.67928E-05	8.66865E-05	**2128**	8.07928E-05
8.78166E-05	9.28143E-05	2.45628E-05	8.29778E-05	9.20775E-05	8.9151E-05	9.41187E-05	2.57004E-05	8.29778E-05	8.32238E-05	**2129**	8.75778E-05
9.82341E-05	0.000103776	2.8093E-05	9.09008E-05	9.00521E-05	9.87031E-05	0.000104162	2.89767E-05	9.09008E-05	8.11517E-05	**2130**	9.79542E-05
0.000108622	0.00011463	3.25909E-05	9.7574E-05	7.46031E-05	0.000107467	0.000113304	3.29096E-05	9.7574E-05	6.82139E-05	**2131**	0.000108447
0.000111871	0.000117989	3.44403E-05	9.91205E-05	6.20775E-05	0.00010987	0.000115775	3.44438E-05	9.91205E-05	5.82976E-05	**2132**	0.000111796
0.000110594	0.000116667	3.37385E-05	9.59115E-05	5.35667E-05	0.000107682	0.000113475	3.36892E-05	9.59115E-05	5.10327E-05	**2133**	0.000110625
0.000104831	0.000110662	3.10361E-05	8.96606E-05	4.73234E-05	0.000101645	0.000107163	3.11573E-05	8.96606E-05	4.61066E-05	**2134**	0.000104892
9.51945E-05	0.000100546	2.74652E-05	8.28965E-05	4.58368E-05	9.31322E-05	9.82355E-05	2.79492E-05	8.28965E-05	4.45912E-05	**2135**	9.5264E-05
8.64502E-05	9.14033E-05	2.37611E-05	7.77396E-05	4.508E-05	8.59586E-05	9.07477E-05	2.4789E-05	7.77396E-05	4.38216E-05	**2136**	8.64951E-05
7.48193E-05	7.91884E-05	1.95209E-05	6.96021E-05	4.50278E-05	7.56846E-05	7.99673E-05	2.09835E-05	6.96021E-05	4.37837E-05	**2137**	7.48958E-05
7.29046E-05	7.72135E-05	1.83677E-05	6.93159E-05	4.52823E-05	7.45763E-05	7.88393E-05	2.01279E-05	6.93159E-05	4.40498E-05	**2138**	7.29624E-05
7.3227E-05	7.7574E-05	1.82082E-05	7.05174E-05	4.64428E-05	7.53747E-05	7.96984E-05	2.01501E-05	7.05174E-05	4.52484E-05	**2139**	7.32999E-05
7.69948E-05	8.157E-05	1.90878E-05	7.49185E-05	4.91845E-05	7.96304E-05	8.42021E-05	2.12384E-05	7.49185E-05	4.80642E-05	**2140**	7.70882E-05
8.38202E-05	8.87798E-05	2.10487E-05	8.18631E-05	5.28821E-05	8.67847E-05	9.175E-05	2.33652E-05	8.18631E-05	5.18467E-05	**2141**	8.39538E-05
9.05851E-05	9.59123E-05	2.31603E-05	8.78899E-05	5.39182E-05	9.34389E-05	9.87596E-05	2.54794E-05	8.78899E-05	5.2862E-05	**2142**	9.07248E-05
9.16311E-05	9.69254E-05	2.46226E-05	8.93847E-05	9.9884E-05	9.45313E-05	9.98458E-05	2.66512E-05	8.93847E-05	9.13119E-05	**2143**	9.17471E-05
8.6968E-05	9.19288E-05	2.41809E-05	8.51536E-05	9.88791E-05	8.97274E-05	9.47307E-05	2.58227E-05	8.51536E-05	9.02254E-05	**2144**	8.69647E-05
8.31404E-05	8.78659E-05	2.33308E-05	7.99668E-05	9.98318E-05	8.50568E-05	8.97874E-05	2.46358E-05	7.99668E-05	9.11772E-05	**2145**	8.30625E-05
8.14782E-05	8.60925E-05	2.30763E-05	7.70683E-05	0.000100341	8.27013E-05	8.72882E-05	2.41142E-05	7.70683E-05	9.16795E-05	**2146**	8.13392E-05
8.05344E-05	8.50852E-05	2.29365E-05	7.50055E-05	0.000101085	8.11653E-05	8.56603E-05	2.37523E-05	7.50055E-05	9.24327E-05	**2147**	8.0324E-05
7.85626E-05	8.30149E-05	2.22113E-05	7.2768E-05	9.43185E-05	7.9018E-05	8.34072E-05	2.29576E-05	7.2768E-05	8.69323E-05	**2148**	7.82777E-05
7.77389E-05	8.21455E-05	2.19664E-05	7.18477E-05	9.47421E-05	7.81172E-05	8.24576E-05	2.26797E-05	7.18477E-05	8.73679E-05	**2149**	7.74395E-05
7.58397E-05	8.01417E-05	2.13912E-05	7.09437E-05	9.39812E-05	7.66194E-05	8.08773E-05	2.22341E-05	7.09437E-05	8.65923E-05	**2150**	7.5615E-05
7.68744E-05	8.12366E-05	2.16628E-05	7.27217E-05	9.89156E-05	7.80524E-05	8.23896E-05	2.26552E-05	7.27217E-05	9.02198E-05	**2151**	7.67151E-05
8.09364E-05	8.55282E-05	2.28196E-05	7.67928E-05	9.54617E-05	8.22827E-05	8.68535E-05	2.39016E-05	7.67928E-05	8.66865E-05	**2152**	8.07928E-05
8.78166E-05	9.28143E-05	2.45628E-05	8.29778E-05	9.20775E-05	8.9151E-05	9.41187E-05	2.57004E-05	8.29778E-05	8.32238E-05	**2153**	8.75778E-05
9.82341E-05	0.000103776	2.8093E-05	9.09008E-05	9.00521E-05	9.87031E-05	0.000104162	2.89767E-05	9.09008E-05	8.11517E-05	**2154**	9.79542E-05
0.000108622	0.00011463	3.25909E-05	9.7574E-05	7.46031E-05	0.000107467	0.000113304	3.29096E-05	9.7574E-05	6.82139E-05	**2155**	0.000108447
0.000111871	0.000117989	3.44403E-05	9.91205E-05	6.20775E-05	0.00010987	0.000115775	3.44438E-05	9.91205E-05	5.82976E-05	**2156**	0.000111796
0.000110594	0.000116667	3.37385E-05	9.59115E-05	5.35667E-05	0.000107682	0.000113475	3.36892E-05	9.59115E-05	5.10327E-05	**2157**	0.000110625
0.000104831	0.000110662	3.10361E-05	8.96606E-05	4.73234E-05	0.000101645	0.000107163	3.11573E-05	8.96606E-05	4.61066E-05	**2158**	0.000104892
9.51945E-05	0.000100546	2.74652E-05	8.28965E-05	4.58368E-05	9.31322E-05	9.82355E-05	2.79492E-05	8.28965E-05	4.45912E-05	**2159**	9.5264E-05
8.64502E-05	9.14033E-05	2.37611E-05	7.77396E-05	4.508E-05	8.59586E-05	9.07477E-05	2.4789E-05	7.77396E-05	4.38216E-05	**2160**	8.64951E-05
7.48193E-05	7.91884E-05	1.95209E-05	6.96021E-05	4.50278E-05	7.56846E-05	7.99673E-05	2.09835E-05	6.96021E-05	4.37837E-05	**2161**	7.48958E-05
7.29046E-05	7.72135E-05	1.83677E-05	6.93159E-05	4.52823E-05	7.45763E-05	7.88393E-05	2.01279E-05	6.93159E-05	4.40498E-05	**2162**	7.29624E-05
7.3227E-05	7.7574E-05	1.82082E-05	7.05174E-05	4.64428E-05	7.53747E-05	7.96984E-05	2.01501E-05	7.05174E-05	4.52484E-05	**2163**	7.32999E-05
7.69948E-05	8.157E-05	1.90878E-05	7.49185E-05	4.91845E-05	7.96304E-05	8.42021E-05	2.12384E-05	7.49185E-05	4.80642E-05	**2164**	7.70882E-05
8.38202E-05	8.87798E-05	2.10487E-05	8.18631E-05	5.28821E-05	8.67847E-05	9.175E-05	2.33652E-05	8.18631E-05	5.18467E-05	**2165**	8.39538E-05
9.05851E-05	9.59123E-05	2.31603E-05	8.78899E-05	5.39182E-05	9.34389E-05	9.87596E-05	2.54794E-05	8.78899E-05	5.2862E-05	**2166**	9.07248E-05
9.16311E-05	9.69254E-05	2.46226E-05	8.93847E-05	9.9884E-05	9.45313E-05	9.98458E-05	2.66512E-05	8.93847E-05	9.13119E-05	**2167**	9.17471E-05
8.6968E-05	9.19288E-05	2.41809E-05	8.51536E-05	9.88791E-05	8.97274E-05	9.47307E-05	2.58227E-05	8.51536E-05	9.02254E-05	**2168**	8.69647E-05
8.31404E-05	8.78659E-05	2.33308E-05	7.99668E-05	9.98318E-05	8.50568E-05	8.97874E-05	2.46358E-05	7.99668E-05	9.11772E-05	**2169**	8.30625E-05
8.14782E-05	8.60925E-05	2.30763E-05	7.70683E-05	0.000100341	8.27013E-05	8.72882E-05	2.41142E-05	7.70683E-05	9.16795E-05	**2170**	8.13392E-05
8.05344E-05	8.50852E-05	2.29365E-05	7.50055E-05	0.000101085	8.11653E-05	8.56603E-05	2.37523E-05	7.50055E-05	9.24327E-05	**2171**	8.0324E-05
7.85626E-05	8.30149E-05	2.22113E-05	7.2768E-05	9.43185E-05	7.9018E-05	8.34072E-05	2.29576E-05	7.2768E-05	8.69323E-05	**2172**	7.82777E-05
7.77389E-05	8.21455E-05	2.19664E-05	7.18477E-05	9.47421E-05	7.81172E-05	8.24576E-05	2.26797E-05	7.18477E-05	8.73679E-05	**2173**	7.74395E-05
7.58397E-05	8.01417E-05	2.13912E-05	7.09437E-05	9.39812E-05	7.66194E-05	8.08773E-05	2.22341E-05	7.09437E-05	8.65923E-05	**2174**	7.5615E-05
7.68744E-05	8.12366E-05	2.16628E-05	7.27217E-05	9.89156E-05	7.80524E-05	8.23896E-05	2.26552E-05	7.27217E-05	9.02198E-05	**2175**	7.67151E-05
8.09364E-05	8.55282E-05	2.28196E-05	7.67928E-05	9.54617E-05	8.22827E-05	8.68535E-05	2.39016E-05	7.67928E-05	8.66865E-05	**2176**	8.07928E-05
8.78166E-05	9.28143E-05	2.45628E-05	8.29778E-05	9.20775E-05	8.9151E-05	9.41187E-05	2.57004E-05	8.29778E-05	8.32238E-05	**2177**	8.75778E-05
9.82341E-05	0.000103776	2.8093E-05	9.09008E-05	9.00521E-05	9.87031E-05	0.000104162	2.89767E-05	9.09008E-05	8.11517E-05	**2178**	9.79542E-05
0.000108622	0.00011463	3.25909E-05	9.7574E-05	7.46031E-05	0.000107467	0.000113304	3.29096E-05	9.7574E-05	6.82139E-05	**2179**	0.000108447
0.000111871	0.000117989	3.44403E-05	9.91205E-05	6.20775E-05	0.00010987	0.000115775	3.44438E-05	9.91205E-05	5.82976E-05	**2180**	0.000111796
0.000110594	0.000116667	3.37385E-05	9.59115E-05	5.35667E-05	0.000107682	0.000113475	3.36892E-05	9.59115E-05	5.10327E-05	**2181**	0.000110625
0.000104831	0.000110662	3.10361E-05	8.96606E-05	4.73234E-05	0.000101645	0.000107163	3.11573E-05	8.96606E-05	4.61066E-05	**2182**	0.000104892
9.51945E-05	0.000100546	2.74652E-05	8.28965E-05	4.58368E-05	9.31322E-05	9.82355E-05	2.79492E-05	8.28965E-05	4.45912E-05	**2183**	9.5264E-05
8.64502E-05	9.14033E-05	2.37611E-05	7.77396E-05	4.508E-05	8.59586E-05	9.07477E-05	2.4789E-05	7.77396E-05	4.38216E-05	**2184**	8.64951E-05
6.22578E-05	6.59125E-05	1.60018E-05	5.37886E-05	4.49734E-05	6.10639E-05	6.45419E-05	1.66407E-05	5.37886E-05	4.37005E-05	**2185**	6.20076E-05
6.0418E-05	6.40189E-05	1.48428E-05	5.34581E-05	4.55619E-05	5.9982E-05	6.3444E-05	1.57638E-05	5.34581E-05	4.43163E-05	**2186**	6.01314E-05
6.14599E-05	6.51393E-05	1.4892E-05	5.56022E-05	4.73271E-05	6.1634E-05	6.52031E-05	1.60473E-05	5.56022E-05	4.61391E-05	**2187**	6.12124E-05
6.63285E-05	7.03013E-05	1.60453E-05	6.12092E-05	5.08381E-05	6.7092E-05	7.09782E-05	1.74551E-05	6.12092E-05	4.97419E-05	**2188**	6.61044E-05
7.27935E-05	7.71416E-05	1.77611E-05	6.6953E-05	5.44706E-05	7.34993E-05	7.77503E-05	1.92034E-05	6.6953E-05	5.34538E-05	**2189**	7.24943E-05
7.7407E-05	8.20051E-05	1.92099E-05	6.996E-05	5.52011E-05	7.75128E-05	8.1979E-05	2.04681E-05	6.996E-05	5.41468E-05	**2190**	7.70137E-05
7.64871E-05	8.09361E-05	2.01787E-05	6.92761E-05	0.000101334	7.64469E-05	8.07833E-05	2.10608E-05	6.92761E-05	9.27707E-05	**2191**	7.60611E-05
7.20522E-05	7.6164E-05	2.00102E-05	6.6418E-05	0.000100007	7.23847E-05	7.64328E-05	2.06801E-05	6.6418E-05	9.13635E-05	**2192**	7.16669E-05
6.95657E-05	7.35154E-05	1.95765E-05	6.31301E-05	0.000100677	6.93674E-05	7.32303E-05	2.00283E-05	6.31301E-05	9.20223E-05	**2193**	6.91706E-05
6.89023E-05	7.27972E-05	1.9605E-05	6.15054E-05	0.000101038	6.81816E-05	7.1965E-05	1.98577E-05	6.15054E-05	9.23726E-05	**2194**	6.84744E-05
6.86021E-05	7.24663E-05	1.96943E-05	6.05058E-05	0.000101331	6.75057E-05	7.12403E-05	1.98042E-05	6.05058E-05	9.26601E-05	**2195**	6.81555E-05

6.67716E-05	7.05377E-05	1.91059E-05	5.89501E-05	9.4729E-05	6.57438E-05	6.93856E-05	1.92296E-05	5.89501E-05	8.73211E-05	**2196**	6.63257E-05
6.51709E-05	6.8843E-05	1.86948E-05	5.73189E-05	9.443E-05	6.40558E-05	6.7601E-05	1.87739E-05	5.73189E-05	8.70131E-05	**2197**	6.47282E-05
6.51811E-05	6.88769E-05	1.84041E-05	5.75203E-05	9.28217E-05	6.4211E-05	6.77862E-05	1.85472E-05	5.75203E-05	8.53653E-05	**2198**	6.46785E-05
6.86113E-05	7.25252E-05	1.90746E-05	6.09028E-05	9.6971E-05	6.78135E-05	7.16105E-05	1.93172E-05	6.09028E-05	8.8187E-05	**2199**	6.80361E-05
7.41337E-05	7.83732E-05	2.04757E-05	6.59571E-05	9.37018E-05	7.33687E-05	7.74861E-05	2.07778E-05	6.59571E-05	8.48521E-05	**2200**	7.34908E-05
7.91469E-05	8.36809E-05	2.1762E-05	7.01353E-05	9.10321E-05	7.82145E-05	8.26119E-05	2.2048E-05	7.01353E-05	8.21355E-05	**2201**	7.84089E-05
8.62502E-05	9.11254E-05	2.45462E-05	7.48316E-05	8.94573E-05	8.43237E-05	8.90074E-05	2.44997E-05	7.48316E-05	8.05395E-05	**2202**	8.55192E-05
9.50688E-05	0.000100314	2.86815E-05	7.9929E-05	7.40967E-05	9.14357E-05	9.64003E-05	2.80259E-05	7.9929E-05	6.7689E-05	**2203**	9.44585E-05
9.80301E-05	0.000103363	3.05314E-05	8.15335E-05	6.15062E-05	9.36882E-05	9.87056E-05	2.96032E-05	8.15335E-05	5.76938E-05	**2204**	9.75721E-05
9.61187E-05	0.000101367	2.96892E-05	7.77194E-05	5.28841E-05	9.08469E-05	9.57129E-05	2.86951E-05	7.77194E-05	5.03033E-05	**2205**	9.5777E-05
8.95387E-05	9.44846E-05	2.69397E-05	7.13829E-05	4.6569E-05	8.42719E-05	8.88184E-05	2.62012E-05	7.13829E-05	4.53041E-05	**2206**	8.93397E-05
7.91682E-05	8.3589E-05	2.32162E-05	6.39696E-05	4.55648E-05	7.50261E-05	7.91125E-05	2.28326E-05	6.39696E-05	4.42838E-05	**2207**	7.89981E-05
7.09285E-05	7.49846E-05	1.9592E-05	5.91293E-05	4.51267E-05	6.83E-05	7.2102E-05	1.97386E-05	5.91293E-05	4.38455E-05	**2208**	7.07016E-05
6.1953E-05	6.55909E-05	1.59098E-05	5.33706E-05	4.49879E-05	6.06941E-05	6.41523E-05	1.65237E-05	5.33706E-05	4.37133E-05	**2209**	6.169E-05
6.01421E-05	6.3728E-05	1.47565E-05	5.30642E-05	4.55836E-05	5.96404E-05	6.30844E-05	1.56526E-05	5.30642E-05	4.43359E-05	**2210**	5.98417E-05
6.12335E-05	6.49008E-05	1.48175E-05	5.52599E-05	4.73427E-05	6.13453E-05	6.48995E-05	1.59495E-05	5.52599E-05	4.61529E-05	**2211**	6.09719E-05
6.61153E-05	7.00778E-05	1.59632E-05	6.08253E-05	5.08572E-05	6.67932E-05	7.06649E-05	1.73421E-05	6.08253E-05	4.97609E-05	**2212**	6.58693E-05
7.26808E-05	7.70245E-05	1.7704E-05	6.66787E-05	5.45277E-05	7.33101E-05	7.75528E-05	1.91195E-05	6.66787E-05	5.35113E-05	**2213**	7.23599E-05
7.72814E-05	8.1874E-05	1.91557E-05	6.97031E-05	5.529E-05	7.73233E-05	8.17807E-05	2.0391E-05	6.97031E-05	5.42362E-05	**2214**	7.68709E-05
7.77909E-05	8.23419E-05	2.01902E-05	6.91855E-05	0.000101409	7.72054E-05	8.16018E-05	2.10525E-05	6.91855E-05	9.2846E-05	**2215**	7.73577E-05
7.1789E-05	7.5886E-05	1.99345E-05	6.60763E-05	0.000100144	7.20738E-05	7.61049E-05	2.05855E-05	6.60763E-05	9.15012E-05	**2216**	7.13953E-05
6.92652E-05	7.31979E-05	1.94897E-05	6.27379E-05	0.000100901	6.90116E-05	7.28551E-05	1.99198E-05	6.27379E-05	9.22477E-05	**2217**	6.88603E-05
6.86702E-05	7.25522E-05	1.95375E-05	6.12003E-05	0.000101276	6.79058E-05	7.16743E-05	1.97731E-05	6.12003E-05	9.26115E-05	**2218**	6.82345E-05
6.8377E-05	7.22285E-05	1.96293E-05	6.02124E-05	0.000101592	6.72392E-05	7.09594E-05	1.9723E-05	6.02124E-05	9.29225E-05	**2219**	6.7923E-05
6.66073E-05	7.03645E-05	1.90532E-05	5.87089E-05	9.48837E-05	6.55375E-05	6.91684E-05	1.91611E-05	5.87089E-05	8.74742E-05	**2220**	6.61522E-05
6.50151E-05	6.86789E-05	1.86433E-05	5.7082E-05	9.45729E-05	6.38566E-05	6.73915E-05	1.87062E-05	5.7082E-05	8.7155E-05	**2221**	6.45625E-05
6.50729E-05	6.87631E-05	1.83666E-05	5.73469E-05	9.29554E-05	6.40688E-05	6.76367E-05	1.84972E-05	5.73469E-05	8.54983E-05	**2222**	6.45622E-05
6.84505E-05	7.23553E-05	1.90275E-05	6.06897E-05	9.70698E-05	6.76217E-05	7.14082E-05	1.9258E-05	6.06897E-05	8.82851E-05	**2223**	6.78696E-05
7.40402E-05	7.82748E-05	2.04445E-05	6.58138E-05	9.37489E-05	7.32486E-05	7.73599E-05	2.07368E-05	6.58138E-05	8.48994E-05	**2224**	7.33912E-05
7.92297E-05	8.37681E-05	2.17894E-05	7.02615E-05	9.10368E-05	7.83205E-05	8.27235E-05	2.20841E-05	7.02615E-05	8.21398E-05	**2225**	7.8497E-05
8.63182E-05	9.1197E-05	2.45686E-05	7.49348E-05	8.94509E-05	8.44105E-05	8.90988E-05	2.45292E-05	7.49348E-05	8.05322E-05	**2226**	8.55914E-05
9.51179E-05	0.000100366	2.86894E-05	7.99602E-05	7.40728E-05	9.14794E-05	9.64469E-05	2.80325E-05	7.99602E-05	6.76647E-05	**2227**	9.45046E-05
9.809E-05	0.000103428	3.05316E-05	8.15231E-05	6.15032E-05	9.37203E-05	9.87409E-05	2.95948E-05	8.15231E-05	5.76922E-05	**2228**	9.76213E-05
9.46456E-05	9.97834E-05	2.96178E-05	7.75326E-05	5.28484E-05	8.98631E-05	9.46578E-05	2.86231E-05	7.75326E-05	5.02685E-05	**2229**	9.42974E-05
8.9547E-05	9.44939E-05	2.69352E-05	7.13581E-05	4.65397E-05	8.42662E-05	8.88129E-05	2.61921E-05	7.13581E-05	4.52757E-05	**2230**	8.93432E-05
7.92231E-05	8.36475E-05	2.32249E-05	6.40039E-05	4.55322E-05	7.50747E-05	7.91643E-05	2.28398E-05	6.40039E-05	4.42521E-05	**2231**	7.90495E-05
7.09645E-05	7.50229E-05	1.95992E-05	5.916E-05	4.50749E-05	6.83356E-05	7.21398E-05	1.97461E-05	5.916E-05	4.37942E-05	**2232**	7.07365E-05
6.1953E-05	6.55909E-05	1.59098E-05	5.33706E-05	4.49879E-05	6.06941E-05	6.41523E-05	1.65237E-05	5.33706E-05	4.37133E-05	**2233**	6.169E-05
6.01421E-05	6.3728E-05	1.47565E-05	5.30642E-05	4.55836E-05	5.96404E-05	6.30844E-05	1.56526E-05	5.30642E-05	4.43359E-05	**2234**	5.98417E-05
6.12335E-05	6.49008E-05	1.48175E-05	5.52599E-05	4.73427E-05	6.13453E-05	6.48995E-05	1.59495E-05	5.52599E-05	4.61529E-05	**2235**	6.09719E-05
6.61153E-05	7.00778E-05	1.59632E-05	6.08253E-05	5.08572E-05	6.67932E-05	7.06649E-05	1.73421E-05	6.08253E-05	4.97609E-05	**2236**	6.58693E-05
7.26808E-05	7.70245E-05	1.7704E-05	6.66787E-05	5.45277E-05	7.33101E-05	7.75528E-05	1.91195E-05	6.66787E-05	5.35113E-05	**2237**	7.23599E-05
7.72814E-05	8.1874E-05	1.91557E-05	6.97031E-05	5.529E-05	7.73233E-05	8.17807E-05	2.0391E-05	6.97031E-05	5.42362E-05	**2238**	7.68709E-05
7.77909E-05	8.23419E-05	2.01902E-05	6.91855E-05	0.000101409	7.72054E-05	8.16018E-05	2.10525E-05	6.91855E-05	9.2846E-05	**2239**	7.73577E-05
7.1789E-05	7.5886E-05	1.99345E-05	6.60763E-05	0.000100144	7.20738E-05	7.61049E-05	2.05855E-05	6.60763E-05	9.15012E-05	**2240**	7.13953E-05
6.92652E-05	7.31979E-05	1.94897E-05	6.27379E-05	0.000100901	6.90116E-05	7.28551E-05	1.99198E-05	6.27379E-05	9.22477E-05	**2241**	6.88603E-05
6.86702E-05	7.25522E-05	1.95375E-05	6.12003E-05	0.000101276	6.79058E-05	7.16743E-05	1.97731E-05	6.12003E-05	9.26115E-05	**2242**	6.82345E-05
6.8377E-05	7.22285E-05	1.96293E-05	6.02124E-05	0.000101592	6.72392E-05	7.09594E-05	1.9723E-05	6.02124E-05	9.29225E-05	**2243**	6.7923E-05
6.66073E-05	7.03645E-05	1.90532E-05	5.87089E-05	9.48837E-05	6.55375E-05	6.91684E-05	1.91611E-05	5.87089E-05	8.74742E-05	**2244**	6.61522E-05
6.50151E-05	6.86789E-05	1.86433E-05	5.7082E-05	9.45729E-05	6.38566E-05	6.73915E-05	1.87062E-05	5.7082E-05	8.7155E-05	**2245**	6.45625E-05
6.50729E-05	6.87631E-05	1.83666E-05	5.73469E-05	9.29554E-05	6.40688E-05	6.76367E-05	1.84972E-05	5.73469E-05	8.54983E-05	**2246**	6.45622E-05
6.84505E-05	7.23553E-05	1.90275E-05	6.06897E-05	9.70698E-05	6.76217E-05	7.14082E-05	1.9258E-05	6.06897E-05	8.82851E-05	**2247**	6.78696E-05
7.40402E-05	7.82748E-05	2.04445E-05	6.58138E-05	9.37489E-05	7.32486E-05	7.73599E-05	2.07368E-05	6.58138E-05	8.48994E-05	**2248**	7.33912E-05
7.92297E-05	8.37681E-05	2.17894E-05	7.02615E-05	9.10368E-05	7.83205E-05	8.27235E-05	2.20841E-05	7.02615E-05	8.21398E-05	**2249**	7.8497E-05
8.63182E-05	9.1197E-05	2.45686E-05	7.49348E-05	8.94509E-05	8.44105E-05	8.90988E-05	2.45292E-05	7.49348E-05	8.05322E-05	**2250**	8.55914E-05
9.51179E-05	0.000100366	2.86894E-05	7.99602E-05	7.40728E-05	9.14794E-05	9.64469E-05	2.80325E-05	7.99602E-05	6.76647E-05	**2251**	9.45046E-05
9.809E-05	0.000103428	3.05316E-05	8.15231E-05	6.15032E-05	9.37203E-05	9.87409E-05	2.95948E-05	8.15231E-05	5.76922E-05	**2252**	9.76213E-05
9.46456E-05	9.97834E-05	2.96178E-05	7.75326E-05	5.28484E-05	8.98631E-05	9.46578E-05	2.86231E-05	7.75326E-05	5.02685E-05	**2253**	9.42974E-05
8.9547E-05	9.44939E-05	2.69352E-05	7.13581E-05	4.65397E-05	8.42662E-05	8.88129E-05	2.61921E-05	7.13581E-05	4.52757E-05	**2254**	8.93432E-05
7.92231E-05	8.36475E-05	2.32249E-05	6.40039E-05	4.55322E-05	7.50747E-05	7.91643E-05	2.28398E-05	6.40039E-05	4.42521E-05	**2255**	7.90495E-05
7.09645E-05	7.50229E-05	1.95992E-05	5.916E-05	4.50749E-05	6.83356E-05	7.21398E-05	1.97461E-05	5.916E-05	4.37942E-05	**2256**	7.07365E-05
6.22578E-05	6.59125E-05	1.60018E-05	5.37886E-05	4.49734E-05	6.10639E-05	6.45419E-05	1.66407E-05	5.37886E-05	4.37005E-05	**2257**	6.20076E-05
6.0418E-05	6.40189E-05	1.48428E-05	5.34581E-05	4.55619E-05	5.9982E-05	6.3444E-05	1.57638E-05	5.34581E-05	4.43163E-05	**2258**	6.01314E-05
6.14599E-05	6.51393E-05	1.4892E-05	5.56022E-05	4.73271E-05	6.1634E-05	6.52031E-05	1.60473E-05	5.56022E-05	4.61391E-05	**2259**	6.12124E-05
6.63285E-05	7.03013E-05	1.60453E-05	6.12092E-05	5.08381E-05	6.7092E-05	7.09782E-05	1.74551E-05	6.12092E-05	4.97419E-05	**2260**	6.61044E-05
7.27935E-05	7.71416E-05	1.77611E-05	6.6953E-05	5.44706E-05	7.34993E-05	7.77503E-05	1.92034E-05	6.6953E-05	5.34538E-05	**2261**	7.24943E-05
7.7407E-05	8.20051E-05	1.92099E-05	6.996E-05	5.52011E-05	7.75128E-05	8.1979E-05	2.04681E-05	6.996E-05	5.41468E-05	**2262**	7.70137E-05
7.64871E-05	8.09361E-05	2.01787E-05	6.92761E-05	0.000101334	7.64469E-05	8.07833E-05	2.10608E-05	6.92761E-05	9.27707E-05	**2263**	7.60611E-05
7.20522E-05	7.6164E-05	2.00102E-05	6.6418E-05	0.000100007	7.23847E-05	7.64328E-05	2.06801E-05	6.6418E-05	9.13635E-05	**2264**	7.16669E-05
6.95657E-05	7.35154E-05	1.95765E-05	6.31301E-05	0.000100677	6.93674E-05	7.32303E-05	2.00283E-05	6.31301E-05	9.20223E-05	**2265**	6.91706E-05
6.89023E-05	7.27972E-05	1.9605E-05	6.15054E-05	0.000101038	6.81816E-05	7.1965E-05	1.98577E-05	6.15054E-05	9.23726E-05	**2266**	6.84744E-05
6.86021E-05	7.24663E-05	1.96943E-05	6.05058E-05	0.000101331	6.75057E-05	7.12403E-05	1.98042E-05	6.05058E-05	9.26601E-05	**2267**	6.81555E-05
6.67716E-05	7.05377E-05	1.91059E-05	5.89501E-05	9.4729E-05	6.57438E-05	6.93856E-05	1.92296E-05	5.89501E-05	8.73211E-05	**2268**	6.63257E-05
6.51709E-05	6.8843E-05	1.86948E-05	5.73189E-05	9.443E-05	6.40558E-05	6.7601E-05	1.87739E-05	5.73189E-05	8.70131E-05	**2269**	6.47282E-05
6.51811E-05	6.88769E-05	1.84041E-05	5.75203E-05	9.28217E-05	6.4211E-05	6.77862E-05	1.85472E-05	5.75203E-05	8.53653E-05	**2270**	6.46785E-05
6.86113E-05	7.25252E-05	1.90746E-05	6.09028E-05	9.6971E-05	6.78135E-05	7.16105E-05	1.93172E-05	6.09028E-05	8.8187E-05	**2271**	6.80361E-05

7.41337E-05	7.83732E-05	2.04757E-05	6.59571E-05	9.37018E-05	7.33687E-05	7.74861E-05	2.07778E-05	6.59571E-05	8.48521E-05	**2272**	7.34908E-05
7.91469E-05	8.36809E-05	2.1762E-05	7.01353E-05	9.10321E-05	7.82145E-05	8.26119E-05	2.2048E-05	7.01353E-05	8.21355E-05	**2273**	7.84089E-05
8.62502E-05	9.11254E-05	2.45462E-05	7.48316E-05	8.94573E-05	8.43237E-05	8.90074E-05	2.44997E-05	7.48316E-05	8.05395E-05	**2274**	8.55192E-05
9.50688E-05	0.000100314	2.86815E-05	7.9929E-05	7.40967E-05	9.14357E-05	9.64003E-05	2.80259E-05	7.9929E-05	6.7689E-05	**2275**	9.44585E-05
9.80301E-05	0.000103363	3.05314E-05	8.15335E-05	6.15062E-05	9.36882E-05	9.87056E-05	2.96032E-05	8.15335E-05	5.76938E-05	**2276**	9.75721E-05
9.61187E-05	0.000101367	2.96892E-05	7.77194E-05	5.28841E-05	9.08469E-05	9.57129E-05	2.86951E-05	7.77194E-05	5.03033E-05	**2277**	9.5777E-05
8.95387E-05	9.44846E-05	2.69397E-05	7.13829E-05	4.6569E-05	8.42719E-05	8.88184E-05	2.62012E-05	7.13829E-05	4.53041E-05	**2278**	8.93397E-05
7.91682E-05	8.3589E-05	2.32162E-05	6.39696E-05	4.55648E-05	7.50261E-05	7.91125E-05	2.28326E-05	6.39696E-05	4.42838E-05	**2279**	7.89981E-05
7.09285E-05	7.49846E-05	1.9592E-05	5.91293E-05	4.51267E-05	6.83E-05	7.2102E-05	1.97386E-05	5.91293E-05	4.38455E-05	**2280**	7.07016E-05
6.22578E-05	6.59125E-05	1.60018E-05	5.37886E-05	4.49734E-05	6.10639E-05	6.45419E-05	1.66407E-05	5.37886E-05	4.37005E-05	**2281**	6.20076E-05
6.0418E-05	6.40189E-05	1.48428E-05	5.34581E-05	4.55619E-05	5.9982E-05	6.3444E-05	1.57638E-05	5.34581E-05	4.43163E-05	**2282**	6.01314E-05
6.14599E-05	6.51393E-05	1.4892E-05	5.56022E-05	4.73271E-05	6.1634E-05	6.52031E-05	1.60473E-05	5.56022E-05	4.61391E-05	**2283**	6.12124E-05
6.63285E-05	7.03013E-05	1.60453E-05	6.12092E-05	5.08381E-05	6.7092E-05	7.09782E-05	1.74551E-05	6.12092E-05	4.97419E-05	**2284**	6.61044E-05
7.27935E-05	7.71416E-05	1.77611E-05	6.6953E-05	5.44706E-05	7.34993E-05	7.77503E-05	1.92034E-05	6.6953E-05	5.34538E-05	**2285**	7.24943E-05
7.7407E-05	8.20051E-05	1.92099E-05	6.996E-05	5.52011E-05	7.75128E-05	8.1979E-05	2.04681E-05	6.996E-05	5.41468E-05	**2286**	7.70137E-05
7.64871E-05	8.09361E-05	2.01787E-05	6.92761E-05	0.000101334	7.64469E-05	8.07833E-05	2.10608E-05	6.92761E-05	9.27707E-05	**2287**	7.60611E-05
7.20522E-05	7.6164E-05	2.00102E-05	6.6418E-05	0.000100007	7.23847E-05	7.64328E-05	2.06801E-05	6.6418E-05	9.13635E-05	**2288**	7.16669E-05
6.95657E-05	7.35154E-05	1.95765E-05	6.31301E-05	0.000100677	6.93674E-05	7.32303E-05	2.00283E-05	6.31301E-05	9.20223E-05	**2289**	6.91706E-05
6.89023E-05	7.27972E-05	1.9605E-05	6.15054E-05	0.000101038	6.81816E-05	7.1965E-05	1.98577E-05	6.15054E-05	9.23726E-05	**2290**	6.84744E-05
6.86021E-05	7.24663E-05	1.96943E-05	6.05058E-05	0.000101331	6.75057E-05	7.12403E-05	1.98042E-05	6.05058E-05	9.26601E-05	**2291**	6.81555E-05
6.67716E-05	7.05377E-05	1.91059E-05	5.89501E-05	9.4729E-05	6.57438E-05	6.93856E-05	1.92296E-05	5.89501E-05	8.73211E-05	**2292**	6.63257E-05
6.51709E-05	6.8843E-05	1.86948E-05	5.73189E-05	9.443E-05	6.40558E-05	6.7601E-05	1.87739E-05	5.73189E-05	8.70131E-05	**2293**	6.47282E-05
6.51811E-05	6.88769E-05	1.84041E-05	5.75203E-05	9.28217E-05	6.4211E-05	6.77862E-05	1.85472E-05	5.75203E-05	8.53653E-05	**2294**	6.46785E-05
6.86113E-05	7.25252E-05	1.90746E-05	6.09028E-05	9.6971E-05	6.78135E-05	7.16105E-05	1.93172E-05	6.09028E-05	8.8187E-05	**2295**	6.80361E-05
7.41337E-05	7.83732E-05	2.04757E-05	6.59571E-05	9.37018E-05	7.33687E-05	7.74861E-05	2.07778E-05	6.59571E-05	8.48521E-05	**2296**	7.34908E-05
7.91469E-05	8.36809E-05	2.1762E-05	7.01353E-05	9.10321E-05	7.82145E-05	8.26119E-05	2.2048E-05	7.01353E-05	8.21355E-05	**2297**	7.84089E-05
8.62502E-05	9.11254E-05	2.45462E-05	7.48316E-05	8.94573E-05	8.43237E-05	8.90074E-05	2.44997E-05	7.48316E-05	8.05395E-05	**2298**	8.55192E-05
9.50688E-05	0.000100314	2.86815E-05	7.9929E-05	7.40967E-05	9.14357E-05	9.64003E-05	2.80259E-05	7.9929E-05	6.7689E-05	**2299**	9.44585E-05
9.80301E-05	0.000103363	3.05314E-05	8.15335E-05	6.15062E-05	9.36882E-05	9.87056E-05	2.96032E-05	8.15335E-05	5.76938E-05	**2300**	9.75721E-05
9.61187E-05	0.000101367	2.96892E-05	7.77194E-05	5.28841E-05	9.08469E-05	9.57129E-05	2.86951E-05	7.77194E-05	5.03033E-05	**2301**	9.5777E-05
8.95387E-05	9.44846E-05	2.69397E-05	7.13829E-05	4.6569E-05	8.42719E-05	8.88184E-05	2.62012E-05	7.13829E-05	4.53041E-05	**2302**	8.93397E-05
7.91682E-05	8.3589E-05	2.32162E-05	6.39696E-05	4.55648E-05	7.50261E-05	7.91125E-05	2.28326E-05	6.39696E-05	4.42838E-05	**2303**	7.89981E-05
7.09285E-05	7.49846E-05	1.9592E-05	5.91293E-05	4.51267E-05	6.83E-05	7.2102E-05	1.97386E-05	5.91293E-05	4.38455E-05	**2304**	7.07016E-05
6.22578E-05	6.59125E-05	1.60018E-05	5.37886E-05	4.49734E-05	6.10639E-05	6.45419E-05	1.66407E-05	5.37886E-05	4.37005E-05	**2305**	6.20076E-05
6.0418E-05	6.40189E-05	1.48428E-05	5.34581E-05	4.55619E-05	5.9982E-05	6.3444E-05	1.57638E-05	5.34581E-05	4.43163E-05	**2306**	6.01314E-05
6.14599E-05	6.51393E-05	1.4892E-05	5.56022E-05	4.73271E-05	6.1634E-05	6.52031E-05	1.60473E-05	5.56022E-05	4.61391E-05	**2307**	6.12124E-05
6.63285E-05	7.03013E-05	1.60453E-05	6.12092E-05	5.08381E-05	6.7092E-05	7.09782E-05	1.74551E-05	6.12092E-05	4.97419E-05	**2308**	6.61044E-05
7.27935E-05	7.71416E-05	1.77611E-05	6.6953E-05	5.44706E-05	7.34993E-05	7.77503E-05	1.92034E-05	6.6953E-05	5.34538E-05	**2309**	7.24943E-05
7.7407E-05	8.20051E-05	1.92099E-05	6.996E-05	5.52011E-05	7.75128E-05	8.1979E-05	2.04681E-05	6.996E-05	5.41468E-05	**2310**	7.70137E-05
7.64871E-05	8.09361E-05	2.01787E-05	6.92761E-05	0.000101334	7.64469E-05	8.07833E-05	2.10608E-05	6.92761E-05	9.27707E-05	**2311**	7.60611E-05
7.20522E-05	7.6164E-05	2.00102E-05	6.6418E-05	0.000100007	7.23847E-05	7.64328E-05	2.06801E-05	6.6418E-05	9.13635E-05	**2312**	7.16669E-05
6.95657E-05	7.35154E-05	1.95765E-05	6.31301E-05	0.000100677	6.93674E-05	7.32303E-05	2.00283E-05	6.31301E-05	9.20223E-05	**2313**	6.91706E-05
6.89023E-05	7.27972E-05	1.9605E-05	6.15054E-05	0.000101038	6.81816E-05	7.1965E-05	1.98577E-05	6.15054E-05	9.23726E-05	**2314**	6.84744E-05
6.86021E-05	7.24663E-05	1.96943E-05	6.05058E-05	0.000101331	6.75057E-05	7.12403E-05	1.98042E-05	6.05058E-05	9.26601E-05	**2315**	6.81555E-05
6.67716E-05	7.05377E-05	1.91059E-05	5.89501E-05	9.4729E-05	6.57438E-05	6.93856E-05	1.92296E-05	5.89501E-05	8.73211E-05	**2316**	6.63257E-05
6.51709E-05	6.8843E-05	1.86948E-05	5.73189E-05	9.443E-05	6.40558E-05	6.7601E-05	1.87739E-05	5.73189E-05	8.70131E-05	**2317**	6.47282E-05
6.51811E-05	6.88769E-05	1.84041E-05	5.75203E-05	9.28217E-05	6.4211E-05	6.77862E-05	1.85472E-05	5.75203E-05	8.53653E-05	**2318**	6.46785E-05
6.86113E-05	7.25252E-05	1.90746E-05	6.09028E-05	9.6971E-05	6.78135E-05	7.16105E-05	1.93172E-05	6.09028E-05	8.8187E-05	**2319**	6.80361E-05
7.41337E-05	7.83732E-05	2.04757E-05	6.59571E-05	9.37018E-05	7.33687E-05	7.74861E-05	2.07778E-05	6.59571E-05	8.48521E-05	**2320**	7.34908E-05
7.91469E-05	8.36809E-05	2.1762E-05	7.01353E-05	9.10321E-05	7.82145E-05	8.26119E-05	2.2048E-05	7.01353E-05	8.21355E-05	**2321**	7.84089E-05
8.62502E-05	9.11254E-05	2.45462E-05	7.48316E-05	8.94573E-05	8.43237E-05	8.90074E-05	2.44997E-05	7.48316E-05	8.05395E-05	**2322**	8.55192E-05
9.50688E-05	0.000100314	2.86815E-05	7.9929E-05	7.40967E-05	9.14357E-05	9.64003E-05	2.80259E-05	7.9929E-05	6.7689E-05	**2323**	9.44585E-05
9.80301E-05	0.000103363	3.05314E-05	8.15335E-05	6.15062E-05	9.36882E-05	9.87056E-05	2.96032E-05	8.15335E-05	5.76938E-05	**2324**	9.75721E-05
9.61187E-05	0.000101367	2.96892E-05	7.77194E-05	5.28841E-05	9.08469E-05	9.57129E-05	2.86951E-05	7.77194E-05	5.03033E-05	**2325**	9.5777E-05
8.95387E-05	9.44846E-05	2.69397E-05	7.13829E-05	4.6569E-05	8.42719E-05	8.88184E-05	2.62012E-05	7.13829E-05	4.53041E-05	**2326**	8.93397E-05
7.91682E-05	8.3589E-05	2.32162E-05	6.39696E-05	4.55648E-05	7.50261E-05	7.91125E-05	2.28326E-05	6.39696E-05	4.42838E-05	**2327**	7.89981E-05
7.09285E-05	7.49846E-05	1.9592E-05	5.91293E-05	4.51267E-05	6.83E-05	7.2102E-05	1.97386E-05	5.91293E-05	4.38455E-05	**2328**	7.07016E-05
6.22578E-05	6.59125E-05	1.60018E-05	5.37886E-05	4.49734E-05	6.10639E-05	6.45419E-05	1.66407E-05	5.37886E-05	4.37005E-05	**2329**	6.20076E-05
6.0418E-05	6.40189E-05	1.48428E-05	5.34581E-05	4.55619E-05	5.9982E-05	6.3444E-05	1.57638E-05	5.34581E-05	4.43163E-05	**2330**	6.01314E-05
6.14599E-05	6.51393E-05	1.4892E-05	5.56022E-05	4.73271E-05	6.1634E-05	6.52031E-05	1.60473E-05	5.56022E-05	4.61391E-05	**2331**	6.12124E-05
6.63285E-05	7.03013E-05	1.60453E-05	6.12092E-05	5.08381E-05	6.7092E-05	7.09782E-05	1.74551E-05	6.12092E-05	4.97419E-05	**2332**	6.61044E-05
7.27935E-05	7.71416E-05	1.77611E-05	6.6953E-05	5.44706E-05	7.34993E-05	7.77503E-05	1.92034E-05	6.6953E-05	5.34538E-05	**2333**	7.24943E-05
7.7407E-05	8.20051E-05	1.92099E-05	6.996E-05	5.52011E-05	7.75128E-05	8.1979E-05	2.04681E-05	6.996E-05	5.41468E-05	**2334**	7.70137E-05
7.64871E-05	8.09361E-05	2.01787E-05	6.92761E-05	0.000101334	7.64469E-05	8.07833E-05	2.10608E-05	6.92761E-05	9.27707E-05	**2335**	7.60611E-05
7.20522E-05	7.6164E-05	2.00102E-05	6.6418E-05	0.000100007	7.23847E-05	7.64328E-05	2.06801E-05	6.6418E-05	9.13635E-05	**2336**	7.16669E-05
6.95657E-05	7.35154E-05	1.95765E-05	6.31301E-05	0.000100677	6.93674E-05	7.32303E-05	2.00283E-05	6.31301E-05	9.20223E-05	**2337**	6.91706E-05
6.89023E-05	7.27972E-05	1.9605E-05	6.15054E-05	0.000101038	6.81816E-05	7.1965E-05	1.98577E-05	6.15054E-05	9.23726E-05	**2338**	6.84744E-05
6.86021E-05	7.24663E-05	1.96943E-05	6.05058E-05	0.000101331	6.75057E-05	7.12403E-05	1.98042E-05	6.05058E-05	9.26601E-05	**2339**	6.81555E-05
6.67716E-05	7.05377E-05	1.91059E-05	5.89501E-05	9.4729E-05	6.57438E-05	6.93856E-05	1.92296E-05	5.89501E-05	8.73211E-05	**2340**	6.63257E-05
6.51709E-05	6.8843E-05	1.86948E-05	5.73189E-05	9.443E-05	6.40558E-05	6.7601E-05	1.87739E-05	5.73189E-05	8.70131E-05	**2341**	6.47282E-05
6.51811E-05	6.88769E-05	1.84041E-05	5.75203E-05	9.28217E-05	6.4211E-05	6.77862E-05	1.85472E-05	5.75203E-05	8.53653E-05	**2342**	6.46785E-05
6.86113E-05	7.25252E-05	1.90746E-05	6.09028E-05	9.6971E-05	6.78135E-05	7.16105E-05	1.93172E-05	6.09028E-05	8.8187E-05	**2343**	6.80361E-05
7.41337E-05	7.83732E-05	2.04757E-05	6.59571E-05	9.37018E-05	7.33687E-05	7.74861E-05	2.07778E-05	6.59571E-05	8.48521E-05	**2344**	7.34908E-05
7.91469E-05	8.36809E-05	2.1762E-05	7.01353E-05	9.10321E-05	7.82145E-05	8.26119E-05	2.2048E-05	7.01353E-05	8.21355E-05	**2345**	7.84089E-05
8.62502E-05	9.11254E-05	2.45462E-05	7.48316E-05	8.94573E-05	8.43237E-05	8.90074E-05	2.44997E-05	7.48316E-05	8.05395E-05	**2346**	8.55192E-05
9.50688E-05	0.000100314	2.86815E-05	7.9929E-05	7.40967E-05	9.14357E-05	9.64003E-05	2.80259E-05	7.9929E-05	6.7689E-05	**2347**	9.44585E-05

9.80301E-05	0.000103363	3.05314E-05	8.15335E-05	6.15062E-05	9.36882E-05	9.87056E-05	2.96032E-05	8.15335E-05	5.76938E-05	**2348**	9.75721E-05
9.61187E-05	0.000101367	2.96892E-05	7.77194E-05	5.28841E-05	9.08469E-05	9.57129E-05	2.86951E-05	7.77194E-05	5.03033E-05	**2349**	9.5777E-05
8.95387E-05	9.44846E-05	2.69397E-05	7.13829E-05	4.6569E-05	8.42719E-05	8.88184E-05	2.62012E-05	7.13829E-05	4.53041E-05	**2350**	8.93397E-05
7.91682E-05	8.3589E-05	2.32162E-05	6.39696E-05	4.55648E-05	7.50261E-05	7.91125E-05	2.28326E-05	6.39696E-05	4.42838E-05	**2351**	7.89981E-05
7.09285E-05	7.49846E-05	1.9592E-05	5.91293E-05	4.51267E-05	6.83E-05	7.2102E-05	1.97386E-05	5.91293E-05	4.38455E-05	**2352**	7.07016E-05
6.22578E-05	6.59125E-05	1.60018E-05	5.37886E-05	4.49734E-05	6.10639E-05	6.45419E-05	1.66407E-05	5.37886E-05	4.37005E-05	**2353**	6.20076E-05
6.0418E-05	6.40189E-05	1.48428E-05	5.34581E-05	4.55619E-05	5.9982E-05	6.3444E-05	1.57638E-05	5.34581E-05	4.43163E-05	**2354**	6.01314E-05
6.14599E-05	6.51393E-05	1.4892E-05	5.56022E-05	4.73271E-05	6.1634E-05	6.52031E-05	1.60473E-05	5.56022E-05	4.61391E-05	**2355**	6.12124E-05
6.63285E-05	7.03013E-05	1.60453E-05	6.12092E-05	5.08381E-05	6.7092E-05	7.09782E-05	1.74551E-05	6.12092E-05	4.97419E-05	**2356**	6.61044E-05
7.27935E-05	7.71416E-05	1.77611E-05	6.6953E-05	5.44706E-05	7.34993E-05	7.77503E-05	1.92034E-05	6.6953E-05	5.34538E-05	**2357**	7.24943E-05
7.7407E-05	8.20051E-05	1.92099E-05	6.996E-05	5.52011E-05	7.75128E-05	8.1979E-05	2.04681E-05	6.996E-05	5.41468E-05	**2358**	7.70137E-05
7.64871E-05	8.09361E-05	2.01787E-05	6.92761E-05	0.000101334	7.64469E-05	8.07833E-05	2.10608E-05	6.92761E-05	9.27707E-05	**2359**	7.60611E-05
7.20522E-05	7.6164E-05	2.00102E-05	6.6418E-05	0.000100007	7.23847E-05	7.64328E-05	2.06801E-05	6.6418E-05	9.13635E-05	**2360**	7.16669E-05
6.95657E-05	7.35154E-05	1.95765E-05	6.31301E-05	0.000100677	6.93674E-05	7.32303E-05	2.00283E-05	6.31301E-05	9.20223E-05	**2361**	6.91706E-05
6.89023E-05	7.27972E-05	1.9605E-05	6.15054E-05	0.000101038	6.81816E-05	7.1965E-05	1.98577E-05	6.15054E-05	9.23726E-05	**2362**	6.84744E-05
6.86021E-05	7.24663E-05	1.96943E-05	6.05058E-05	0.000101331	6.75057E-05	7.12403E-05	1.98042E-05	6.05058E-05	9.26601E-05	**2363**	6.81555E-05
6.67716E-05	7.05377E-05	1.91059E-05	5.89501E-05	9.4729E-05	6.57438E-05	6.93856E-05	1.92296E-05	5.89501E-05	8.73211E-05	**2364**	6.63257E-05
6.51709E-05	6.8843E-05	1.86948E-05	5.73189E-05	9.443E-05	6.40558E-05	6.7601E-05	1.87739E-05	5.73189E-05	8.70131E-05	**2365**	6.47282E-05
6.51811E-05	6.88769E-05	1.84041E-05	5.75203E-05	9.28217E-05	6.4211E-05	6.77862E-05	1.85472E-05	5.75203E-05	8.53653E-05	**2366**	6.46785E-05
6.86113E-05	7.25252E-05	1.90746E-05	6.09028E-05	9.6971E-05	6.78135E-05	7.16105E-05	1.93172E-05	6.09028E-05	8.8187E-05	**2367**	6.80361E-05
7.41337E-05	7.83732E-05	2.04757E-05	6.59571E-05	9.37018E-05	7.33687E-05	7.74861E-05	2.07778E-05	6.59571E-05	8.48521E-05	**2368**	7.34908E-05
7.91469E-05	8.36809E-05	2.1762E-05	7.01353E-05	9.10321E-05	7.82145E-05	8.26119E-05	2.2048E-05	7.01353E-05	8.21355E-05	**2369**	7.84089E-05
8.62502E-05	9.11254E-05	2.45462E-05	7.48316E-05	8.94573E-05	8.43237E-05	8.90074E-05	2.44997E-05	7.48316E-05	8.05395E-05	**2370**	8.55192E-05
9.50688E-05	0.000100314	2.86815E-05	7.9929E-05	7.40967E-05	9.14357E-05	9.64003E-05	2.80259E-05	7.9929E-05	6.7689E-05	**2371**	9.44585E-05
9.80301E-05	0.000103363	3.05314E-05	8.15335E-05	6.15062E-05	9.36882E-05	9.87056E-05	2.96032E-05	8.15335E-05	5.76938E-05	**2372**	9.75721E-05
9.61187E-05	0.000101367	2.96892E-05	7.77194E-05	5.28841E-05	9.08469E-05	9.57129E-05	2.86951E-05	7.77194E-05	5.03033E-05	**2373**	9.5777E-05
8.95387E-05	9.44846E-05	2.69397E-05	7.13829E-05	4.6569E-05	8.42719E-05	8.88184E-05	2.62012E-05	7.13829E-05	4.53041E-05	**2374**	8.93397E-05
7.91682E-05	8.3589E-05	2.32162E-05	6.39696E-05	4.55648E-05	7.50261E-05	7.91125E-05	2.28326E-05	6.39696E-05	4.42838E-05	**2375**	7.89981E-05
7.09285E-05	7.49846E-05	1.9592E-05	5.91293E-05	4.51267E-05	6.83E-05	7.2102E-05	1.97386E-05	5.91293E-05	4.38455E-05	**2376**	7.07016E-05
6.1953E-05	6.55909E-05	1.59098E-05	5.33706E-05	4.49879E-05	6.06941E-05	6.41523E-05	1.65237E-05	5.33706E-05	4.37133E-05	**2377**	6.169E-05
6.01421E-05	6.3728E-05	1.47565E-05	5.30642E-05	4.55836E-05	5.96404E-05	6.30844E-05	1.56526E-05	5.30642E-05	4.43359E-05	**2378**	5.98417E-05
6.12335E-05	6.49008E-05	1.48175E-05	5.52599E-05	4.73427E-05	6.13453E-05	6.48995E-05	1.59495E-05	5.52599E-05	4.61529E-05	**2379**	6.09719E-05
6.61153E-05	7.00778E-05	1.59632E-05	6.08253E-05	5.08572E-05	6.67932E-05	7.06649E-05	1.73421E-05	6.08253E-05	4.97609E-05	**2380**	6.58693E-05
7.26808E-05	7.70245E-05	1.7704E-05	6.66787E-05	5.45277E-05	7.33101E-05	7.75528E-05	1.91195E-05	6.66787E-05	5.35113E-05	**2381**	7.23599E-05
7.72814E-05	8.1874E-05	1.91557E-05	6.97031E-05	5.529E-05	7.73233E-05	8.17807E-05	2.0391E-05	6.97031E-05	5.42362E-05	**2382**	7.68709E-05
7.77909E-05	8.23419E-05	2.01902E-05	6.91855E-05	0.000101409	7.72054E-05	8.16018E-05	2.10525E-05	6.91855E-05	9.2846E-05	**2383**	7.73577E-05
7.1789E-05	7.5886E-05	1.99345E-05	6.60763E-05	0.000100144	7.20738E-05	7.61049E-05	2.05855E-05	6.60763E-05	9.15012E-05	**2384**	7.13953E-05
6.92652E-05	7.31979E-05	1.94897E-05	6.27379E-05	0.000100901	6.90116E-05	7.28551E-05	1.99198E-05	6.27379E-05	9.22477E-05	**2385**	6.88603E-05
6.86702E-05	7.25522E-05	1.95375E-05	6.12003E-05	0.000101276	6.79058E-05	7.16743E-05	1.97731E-05	6.12003E-05	9.26115E-05	**2386**	6.82345E-05
6.8377E-05	7.22285E-05	1.96293E-05	6.02124E-05	0.000101592	6.72392E-05	7.09594E-05	1.9723E-05	6.02124E-05	9.29225E-05	**2387**	6.7923E-05
6.66073E-05	7.03645E-05	1.90532E-05	5.87089E-05	9.48837E-05	6.55375E-05	6.91684E-05	1.91611E-05	5.87089E-05	8.74742E-05	**2388**	6.61522E-05
6.50151E-05	6.86789E-05	1.86433E-05	5.7082E-05	9.45729E-05	6.38566E-05	6.73915E-05	1.87062E-05	5.7082E-05	8.7155E-05	**2389**	6.45625E-05
6.50729E-05	6.87631E-05	1.83666E-05	5.73469E-05	9.29554E-05	6.40688E-05	6.76367E-05	1.84972E-05	5.73469E-05	8.54983E-05	**2390**	6.45622E-05
6.84505E-05	7.23553E-05	1.90275E-05	6.06897E-05	9.70698E-05	6.76217E-05	7.14082E-05	1.9258E-05	6.06897E-05	8.82851E-05	**2391**	6.78696E-05
7.40402E-05	7.82748E-05	2.04445E-05	6.58138E-05	9.37489E-05	7.32486E-05	7.73599E-05	2.07368E-05	6.58138E-05	8.48994E-05	**2392**	7.33912E-05
7.92297E-05	8.37681E-05	2.17894E-05	7.02615E-05	9.10368E-05	7.83205E-05	8.27235E-05	2.20841E-05	7.02615E-05	8.21398E-05	**2393**	7.8497E-05
8.63182E-05	9.1197E-05	2.45686E-05	7.49348E-05	8.94509E-05	8.44105E-05	8.90988E-05	2.45292E-05	7.49348E-05	8.05322E-05	**2394**	8.55914E-05
9.51179E-05	0.000100366	2.86894E-05	7.99602E-05	7.40728E-05	9.14794E-05	9.64469E-05	2.80325E-05	7.99602E-05	6.76647E-05	**2395**	9.45046E-05
9.809E-05	0.000103428	3.05316E-05	8.15231E-05	6.15032E-05	9.37203E-05	9.87409E-05	2.95948E-05	8.15231E-05	5.76922E-05	**2396**	9.76213E-05
9.46456E-05	9.97834E-05	2.96178E-05	7.75326E-05	5.28484E-05	8.98631E-05	9.46578E-05	2.86231E-05	7.75326E-05	5.02685E-05	**2397**	9.42974E-05
8.9547E-05	9.44939E-05	2.69352E-05	7.13581E-05	4.65397E-05	8.42662E-05	8.88129E-05	2.61921E-05	7.13581E-05	4.52757E-05	**2398**	8.93432E-05
7.92231E-05	8.36475E-05	2.32249E-05	6.40039E-05	4.55322E-05	7.50747E-05	7.91643E-05	2.28398E-05	6.40039E-05	4.42521E-05	**2399**	7.90495E-05
7.09645E-05	7.50229E-05	1.95992E-05	5.916E-05	4.50749E-05	6.83356E-05	7.21398E-05	1.97461E-05	5.916E-05	4.37942E-05	**2400**	7.07365E-05
6.1953E-05	6.55909E-05	1.59098E-05	5.33706E-05	4.49879E-05	6.06941E-05	6.41523E-05	1.65237E-05	5.33706E-05	4.37133E-05	**2401**	6.169E-05
6.01421E-05	6.3728E-05	1.47565E-05	5.30642E-05	4.55836E-05	5.96404E-05	6.30844E-05	1.56526E-05	5.30642E-05	4.43359E-05	**2402**	5.98417E-05
6.12335E-05	6.49008E-05	1.48175E-05	5.52599E-05	4.73427E-05	6.13453E-05	6.48995E-05	1.59495E-05	5.52599E-05	4.61529E-05	**2403**	6.09719E-05
6.61153E-05	7.00778E-05	1.59632E-05	6.08253E-05	5.08572E-05	6.67932E-05	7.06649E-05	1.73421E-05	6.08253E-05	4.97609E-05	**2404**	6.58693E-05
7.26808E-05	7.70245E-05	1.7704E-05	6.66787E-05	5.45277E-05	7.33101E-05	7.75528E-05	1.91195E-05	6.66787E-05	5.35113E-05	**2405**	7.23599E-05
7.72814E-05	8.1874E-05	1.91557E-05	6.97031E-05	5.529E-05	7.73233E-05	8.17807E-05	2.0391E-05	6.97031E-05	5.42362E-05	**2406**	7.68709E-05
7.77909E-05	8.23419E-05	2.01902E-05	6.91855E-05	0.000101409	7.72054E-05	8.16018E-05	2.10525E-05	6.91855E-05	9.2846E-05	**2407**	7.73577E-05
7.1789E-05	7.5886E-05	1.99345E-05	6.60763E-05	0.000100144	7.20738E-05	7.61049E-05	2.05855E-05	6.60763E-05	9.15012E-05	**2408**	7.13953E-05
6.92652E-05	7.31979E-05	1.94897E-05	6.27379E-05	0.000100901	6.90116E-05	7.28551E-05	1.99198E-05	6.27379E-05	9.22477E-05	**2409**	6.88603E-05
6.86702E-05	7.25522E-05	1.95375E-05	6.12003E-05	0.000101276	6.79058E-05	7.16743E-05	1.97731E-05	6.12003E-05	9.26115E-05	**2410**	6.82345E-05
6.8377E-05	7.22285E-05	1.96293E-05	6.02124E-05	0.000101592	6.72392E-05	7.09594E-05	1.9723E-05	6.02124E-05	9.29225E-05	**2411**	6.7923E-05
6.66073E-05	7.03645E-05	1.90532E-05	5.87089E-05	9.48837E-05	6.55375E-05	6.91684E-05	1.91611E-05	5.87089E-05	8.74742E-05	**2412**	6.61522E-05
6.50151E-05	6.86789E-05	1.86433E-05	5.7082E-05	9.45729E-05	6.38566E-05	6.73915E-05	1.87062E-05	5.7082E-05	8.7155E-05	**2413**	6.45625E-05
6.50729E-05	6.87631E-05	1.83666E-05	5.73469E-05	9.29554E-05	6.40688E-05	6.76367E-05	1.84972E-05	5.73469E-05	8.54983E-05	**2414**	6.45622E-05
6.84505E-05	7.23553E-05	1.90275E-05	6.06897E-05	9.70698E-05	6.76217E-05	7.14082E-05	1.9258E-05	6.06897E-05	8.82851E-05	**2415**	6.78696E-05
7.40402E-05	7.82748E-05	2.04445E-05	6.58138E-05	9.37489E-05	7.32486E-05	7.73599E-05	2.07368E-05	6.58138E-05	8.48994E-05	**2416**	7.33912E-05
7.92297E-05	8.37681E-05	2.17894E-05	7.02615E-05	9.10368E-05	7.83205E-05	8.27235E-05	2.20841E-05	7.02615E-05	8.21398E-05	**2417**	7.8497E-05
8.63182E-05	9.1197E-05	2.45686E-05	7.49348E-05	8.94509E-05	8.44105E-05	8.90988E-05	2.45292E-05	7.49348E-05	8.05322E-05	**2418**	8.55914E-05
9.51179E-05	0.000100366	2.86894E-05	7.99602E-05	7.40728E-05	9.14794E-05	9.64469E-05	2.80325E-05	7.99602E-05	6.76647E-05	**2419**	9.45046E-05
9.809E-05	0.000103428	3.05316E-05	8.15231E-05	6.15032E-05	9.37203E-05	9.87409E-05	2.95948E-05	8.15231E-05	5.76922E-05	**2420**	9.76213E-05
9.46456E-05	9.97834E-05	2.96178E-05	7.75326E-05	5.28484E-05	8.98631E-05	9.46578E-05	2.86231E-05	7.75326E-05	5.02685E-05	**2421**	9.42974E-05
8.9547E-05	9.44939E-05	2.69352E-05	7.13581E-05	4.65397E-05	8.42662E-05	8.88129E-05	2.61921E-05	7.13581E-05	4.52757E-05	**2422**	8.93432E-05
7.92231E-05	8.36475E-05	2.32249E-05	6.40039E-05	4.55322E-05	7.50747E-05	7.91643E-05	2.28398E-05	6.40039E-05	4.42521E-05	**2423**	7.90495E-05

7.09645E-05	7.50229E-05	1.95992E-05	5.916E-05	4.50749E-05	6.83356E-05	7.21398E-05	1.97461E-05	5.916E-05	4.37942E-05	**2424**	7.07365E-05
6.22578E-05	6.59125E-05	1.60018E-05	5.37886E-05	4.49734E-05	6.10639E-05	6.45419E-05	1.66407E-05	5.37886E-05	4.37005E-05	**2425**	6.20076E-05
6.0418E-05	6.40189E-05	1.48428E-05	5.34581E-05	4.55619E-05	5.9982E-05	6.3444E-05	1.57638E-05	5.34581E-05	4.43163E-05	**2426**	6.01314E-05
6.14599E-05	6.51393E-05	1.4892E-05	5.56022E-05	4.73271E-05	6.1634E-05	6.52031E-05	1.60473E-05	5.56022E-05	4.61391E-05	**2427**	6.12124E-05
6.63285E-05	7.03013E-05	1.60453E-05	6.12092E-05	5.08381E-05	6.7092E-05	7.09782E-05	1.74551E-05	6.12092E-05	4.97419E-05	**2428**	6.61044E-05
7.27935E-05	7.71416E-05	1.77611E-05	6.6953E-05	5.44706E-05	7.34993E-05	7.77503E-05	1.92034E-05	6.6953E-05	5.34538E-05	**2429**	7.24943E-05
7.7407E-05	8.20051E-05	1.92099E-05	6.996E-05	5.52011E-05	7.75128E-05	8.1979E-05	2.04681E-05	6.996E-05	5.41468E-05	**2430**	7.70137E-05
7.64871E-05	8.09361E-05	2.01787E-05	6.92761E-05	0.000101334	7.64469E-05	8.07833E-05	2.10608E-05	6.92761E-05	9.27707E-05	**2431**	7.60611E-05
7.20522E-05	7.6164E-05	2.00102E-05	6.6418E-05	0.000100007	7.23847E-05	7.64328E-05	2.06801E-05	6.6418E-05	9.13635E-05	**2432**	7.16669E-05
6.95657E-05	7.35154E-05	1.95765E-05	6.31301E-05	0.000100677	6.93674E-05	7.32303E-05	2.00283E-05	6.31301E-05	9.20223E-05	**2433**	6.91706E-05
6.89023E-05	7.27972E-05	1.9605E-05	6.15054E-05	0.000101038	6.81816E-05	7.1965E-05	1.98577E-05	6.15054E-05	9.23726E-05	**2434**	6.84744E-05
6.86021E-05	7.24663E-05	1.96943E-05	6.05058E-05	0.000101331	6.75057E-05	7.12403E-05	1.98042E-05	6.05058E-05	9.26601E-05	**2435**	6.81555E-05
6.67716E-05	7.05377E-05	1.91059E-05	5.89501E-05	9.4729E-05	6.57438E-05	6.93856E-05	1.92296E-05	5.89501E-05	8.73211E-05	**2436**	6.63257E-05
6.51709E-05	6.8843E-05	1.86948E-05	5.73189E-05	9.443E-05	6.40558E-05	6.7601E-05	1.87739E-05	5.73189E-05	8.70131E-05	**2437**	6.47282E-05
6.51811E-05	6.88769E-05	1.84041E-05	5.75203E-05	9.28217E-05	6.4211E-05	6.77862E-05	1.85472E-05	5.75203E-05	8.53653E-05	**2438**	6.46785E-05
6.86113E-05	7.25252E-05	1.90746E-05	6.09028E-05	9.6971E-05	6.78135E-05	7.16105E-05	1.93172E-05	6.09028E-05	8.8187E-05	**2439**	6.80361E-05
7.41337E-05	7.83732E-05	2.04757E-05	6.59571E-05	9.37018E-05	7.33687E-05	7.74861E-05	2.07778E-05	6.59571E-05	8.48521E-05	**2440**	7.34908E-05
7.91469E-05	8.36809E-05	2.1762E-05	7.01353E-05	9.10321E-05	7.82145E-05	8.26119E-05	2.2048E-05	7.01353E-05	8.21355E-05	**2441**	7.84089E-05
8.62502E-05	9.11254E-05	2.45462E-05	7.48316E-05	8.94573E-05	8.43237E-05	8.90074E-05	2.44997E-05	7.48316E-05	8.05395E-05	**2442**	8.55192E-05
9.50688E-05	0.000100314	2.86815E-05	7.9929E-05	7.40967E-05	9.14357E-05	9.64003E-05	2.80259E-05	7.9929E-05	6.7689E-05	**2443**	9.44585E-05
9.80301E-05	0.000103363	3.05314E-05	8.15335E-05	6.15062E-05	9.36882E-05	9.87056E-05	2.96032E-05	8.15335E-05	5.76938E-05	**2444**	9.75721E-05
9.61187E-05	0.000101367	2.96892E-05	7.77194E-05	5.28841E-05	9.08469E-05	9.57129E-05	2.86951E-05	7.77194E-05	5.03033E-05	**2445**	9.5777E-05
8.95387E-05	9.44846E-05	2.69397E-05	7.13829E-05	4.6569E-05	8.42719E-05	8.88184E-05	2.62012E-05	7.13829E-05	4.53041E-05	**2446**	8.93397E-05
7.91682E-05	8.3589E-05	2.32162E-05	6.39696E-05	4.55648E-05	7.50261E-05	7.91125E-05	2.28326E-05	6.39696E-05	4.42838E-05	**2447**	7.89981E-05
7.09285E-05	7.49846E-05	1.9592E-05	5.91293E-05	4.51267E-05	6.83E-05	7.2102E-05	1.97386E-05	5.91293E-05	4.38455E-05	**2448**	7.07016E-05
6.22578E-05	6.59125E-05	1.60018E-05	5.37886E-05	4.49734E-05	6.10639E-05	6.45419E-05	1.66407E-05	5.37886E-05	4.37005E-05	**2449**	6.20076E-05
6.0418E-05	6.40189E-05	1.48428E-05	5.34581E-05	4.55619E-05	5.9982E-05	6.3444E-05	1.57638E-05	5.34581E-05	4.43163E-05	**2450**	6.01314E-05
6.14599E-05	6.51393E-05	1.4892E-05	5.56022E-05	4.73271E-05	6.1634E-05	6.52031E-05	1.60473E-05	5.56022E-05	4.61391E-05	**2451**	6.12124E-05
6.63285E-05	7.03013E-05	1.60453E-05	6.12092E-05	5.08381E-05	6.7092E-05	7.09782E-05	1.74551E-05	6.12092E-05	4.97419E-05	**2452**	6.61044E-05
7.27935E-05	7.71416E-05	1.77611E-05	6.6953E-05	5.44706E-05	7.34993E-05	7.77503E-05	1.92034E-05	6.6953E-05	5.34538E-05	**2453**	7.24943E-05
7.7407E-05	8.20051E-05	1.92099E-05	6.996E-05	5.52011E-05	7.75128E-05	8.1979E-05	2.04681E-05	6.996E-05	5.41468E-05	**2454**	7.70137E-05
7.64871E-05	8.09361E-05	2.01787E-05	6.92761E-05	0.000101334	7.64469E-05	8.07833E-05	2.10608E-05	6.92761E-05	9.27707E-05	**2455**	7.60611E-05
7.20522E-05	7.6164E-05	2.00102E-05	6.6418E-05	0.000100007	7.23847E-05	7.64328E-05	2.06801E-05	6.6418E-05	9.13635E-05	**2456**	7.16669E-05
6.95657E-05	7.35154E-05	1.95765E-05	6.31301E-05	0.000100677	6.93674E-05	7.32303E-05	2.00283E-05	6.31301E-05	9.20223E-05	**2457**	6.91706E-05
6.89023E-05	7.27972E-05	1.9605E-05	6.15054E-05	0.000101038	6.81816E-05	7.1965E-05	1.98577E-05	6.15054E-05	9.23726E-05	**2458**	6.84744E-05
6.86021E-05	7.24663E-05	1.96943E-05	6.05058E-05	0.000101331	6.75057E-05	7.12403E-05	1.98042E-05	6.05058E-05	9.26601E-05	**2459**	6.81555E-05
6.67716E-05	7.05377E-05	1.91059E-05	5.89501E-05	9.4729E-05	6.57438E-05	6.93856E-05	1.92296E-05	5.89501E-05	8.73211E-05	**2460**	6.63257E-05
6.51709E-05	6.8843E-05	1.86948E-05	5.73189E-05	9.443E-05	6.40558E-05	6.7601E-05	1.87739E-05	5.73189E-05	8.70131E-05	**2461**	6.47282E-05
6.51811E-05	6.88769E-05	1.84041E-05	5.75203E-05	9.28217E-05	6.4211E-05	6.77862E-05	1.85472E-05	5.75203E-05	8.53653E-05	**2462**	6.46785E-05
6.86113E-05	7.25252E-05	1.90746E-05	6.09028E-05	9.6971E-05	6.78135E-05	7.16105E-05	1.93172E-05	6.09028E-05	8.8187E-05	**2463**	6.80361E-05
7.41337E-05	7.83732E-05	2.04757E-05	6.59571E-05	9.37018E-05	7.33687E-05	7.74861E-05	2.07778E-05	6.59571E-05	8.48521E-05	**2464**	7.34908E-05
7.91469E-05	8.36809E-05	2.1762E-05	7.01353E-05	9.10321E-05	7.82145E-05	8.26119E-05	2.2048E-05	7.01353E-05	8.21355E-05	**2465**	7.84089E-05
8.62502E-05	9.11254E-05	2.45462E-05	7.48316E-05	8.94573E-05	8.43237E-05	8.90074E-05	2.44997E-05	7.48316E-05	8.05395E-05	**2466**	8.55192E-05
9.50688E-05	0.000100314	2.86815E-05	7.9929E-05	7.40967E-05	9.14357E-05	9.64003E-05	2.80259E-05	7.9929E-05	6.7689E-05	**2467**	9.44585E-05
9.80301E-05	0.000103363	3.05314E-05	8.15335E-05	6.15062E-05	9.36882E-05	9.87056E-05	2.96032E-05	8.15335E-05	5.76938E-05	**2468**	9.75721E-05
9.61187E-05	0.000101367	2.96892E-05	7.77194E-05	5.28841E-05	9.08469E-05	9.57129E-05	2.86951E-05	7.77194E-05	5.03033E-05	**2469**	9.5777E-05
8.95387E-05	9.44846E-05	2.69397E-05	7.13829E-05	4.6569E-05	8.42719E-05	8.88184E-05	2.62012E-05	7.13829E-05	4.53041E-05	**2470**	8.93397E-05
7.91682E-05	8.3589E-05	2.32162E-05	6.39696E-05	4.55648E-05	7.50261E-05	7.91125E-05	2.28326E-05	6.39696E-05	4.42838E-05	**2471**	7.89981E-05
7.09285E-05	7.49846E-05	1.9592E-05	5.91293E-05	4.51267E-05	6.83E-05	7.2102E-05	1.97386E-05	5.91293E-05	4.38455E-05	**2472**	7.07016E-05
6.22578E-05	6.59125E-05	1.60018E-05	5.37886E-05	4.49734E-05	6.10639E-05	6.45419E-05	1.66407E-05	5.37886E-05	4.37005E-05	**2473**	6.20076E-05
6.0418E-05	6.40189E-05	1.48428E-05	5.34581E-05	4.55619E-05	5.9982E-05	6.3444E-05	1.57638E-05	5.34581E-05	4.43163E-05	**2474**	6.01314E-05
6.14599E-05	6.51393E-05	1.4892E-05	5.56022E-05	4.73271E-05	6.1634E-05	6.52031E-05	1.60473E-05	5.56022E-05	4.61391E-05	**2475**	6.12124E-05
6.63285E-05	7.03013E-05	1.60453E-05	6.12092E-05	5.08381E-05	6.7092E-05	7.09782E-05	1.74551E-05	6.12092E-05	4.97419E-05	**2476**	6.61044E-05
7.27935E-05	7.71416E-05	1.77611E-05	6.6953E-05	5.44706E-05	7.34993E-05	7.77503E-05	1.92034E-05	6.6953E-05	5.34538E-05	**2477**	7.24943E-05
7.7407E-05	8.20051E-05	1.92099E-05	6.996E-05	5.52011E-05	7.75128E-05	8.1979E-05	2.04681E-05	6.996E-05	5.41468E-05	**2478**	7.70137E-05
7.64871E-05	8.09361E-05	2.01787E-05	6.92761E-05	0.000101334	7.64469E-05	8.07833E-05	2.10608E-05	6.92761E-05	9.27707E-05	**2479**	7.60611E-05
7.20522E-05	7.6164E-05	2.00102E-05	6.6418E-05	0.000100007	7.23847E-05	7.64328E-05	2.06801E-05	6.6418E-05	9.13635E-05	**2480**	7.16669E-05
6.95657E-05	7.35154E-05	1.95765E-05	6.31301E-05	0.000100677	6.93674E-05	7.32303E-05	2.00283E-05	6.31301E-05	9.20223E-05	**2481**	6.91706E-05
6.89023E-05	7.27972E-05	1.9605E-05	6.15054E-05	0.000101038	6.81816E-05	7.1965E-05	1.98577E-05	6.15054E-05	9.23726E-05	**2482**	6.84744E-05
6.86021E-05	7.24663E-05	1.96943E-05	6.05058E-05	0.000101331	6.75057E-05	7.12403E-05	1.98042E-05	6.05058E-05	9.26601E-05	**2483**	6.81555E-05
6.67716E-05	7.05377E-05	1.91059E-05	5.89501E-05	9.4729E-05	6.57438E-05	6.93856E-05	1.92296E-05	5.89501E-05	8.73211E-05	**2484**	6.63257E-05
6.51709E-05	6.8843E-05	1.86948E-05	5.73189E-05	9.443E-05	6.40558E-05	6.7601E-05	1.87739E-05	5.73189E-05	8.70131E-05	**2485**	6.47282E-05
6.51811E-05	6.88769E-05	1.84041E-05	5.75203E-05	9.28217E-05	6.4211E-05	6.77862E-05	1.85472E-05	5.75203E-05	8.53653E-05	**2486**	6.46785E-05
6.86113E-05	7.25252E-05	1.90746E-05	6.09028E-05	9.6971E-05	6.78135E-05	7.16105E-05	1.93172E-05	6.09028E-05	8.8187E-05	**2487**	6.80361E-05
7.41337E-05	7.83732E-05	2.04757E-05	6.59571E-05	9.37018E-05	7.33687E-05	7.74861E-05	2.07778E-05	6.59571E-05	8.48521E-05	**2488**	7.34908E-05
7.91469E-05	8.36809E-05	2.1762E-05	7.01353E-05	9.10321E-05	7.82145E-05	8.26119E-05	2.2048E-05	7.01353E-05	8.21355E-05	**2489**	7.84089E-05
8.62502E-05	9.11254E-05	2.45462E-05	7.48316E-05	8.94573E-05	8.43237E-05	8.90074E-05	2.44997E-05	7.48316E-05	8.05395E-05	**2490**	8.55192E-05
9.50688E-05	0.000100314	2.86815E-05	7.9929E-05	7.40967E-05	9.14357E-05	9.64003E-05	2.80259E-05	7.9929E-05	6.7689E-05	**2491**	9.44585E-05
9.80301E-05	0.000103363	3.05314E-05	8.15335E-05	6.15062E-05	9.36882E-05	9.87056E-05	2.96032E-05	8.15335E-05	5.76938E-05	**2492**	9.75721E-05
9.61187E-05	0.000101367	2.96892E-05	7.77194E-05	5.28841E-05	9.08469E-05	9.57129E-05	2.86951E-05	7.77194E-05	5.03033E-05	**2493**	9.5777E-05
8.95387E-05	9.44846E-05	2.69397E-05	7.13829E-05	4.6569E-05	8.42719E-05	8.88184E-05	2.62012E-05	7.13829E-05	4.53041E-05	**2494**	8.93397E-05
7.91682E-05	8.3589E-05	2.32162E-05	6.39696E-05	4.55648E-05	7.50261E-05	7.91125E-05	2.28326E-05	6.39696E-05	4.42838E-05	**2495**	7.89981E-05
7.09285E-05	7.49846E-05	1.9592E-05	5.91293E-05	4.51267E-05	6.83E-05	7.2102E-05	1.97386E-05	5.91293E-05	4.38455E-05	**2496**	7.07016E-05
6.22578E-05	6.59125E-05	1.60018E-05	5.37886E-05	4.49734E-05	6.10639E-05	6.45419E-05	1.66407E-05	5.37886E-05	4.37005E-05	**2497**	6.20076E-05
6.0418E-05	6.40189E-05	1.48428E-05	5.34581E-05	4.55619E-05	5.9982E-05	6.3444E-05	1.57638E-05	5.34581E-05	4.43163E-05	**2498**	6.01314E-05
6.14599E-05	6.51393E-05	1.4892E-05	5.56022E-05	4.73271E-05	6.1634E-05	6.52031E-05	1.60473E-05	5.56022E-05	4.61391E-05	**2499**	6.12124E-05

6.63285E-05	7.03013E-05	1.60453E-05	6.12092E-05	5.08381E-05	6.7092E-05	7.09782E-05	1.74551E-05	6.12092E-05	4.97419E-05	**2500**	6.61044E-05
7.27935E-05	7.71416E-05	1.77611E-05	6.6953E-05	5.44706E-05	7.34993E-05	7.77503E-05	1.92034E-05	6.6953E-05	5.34538E-05	**2501**	7.24943E-05
7.7407E-05	8.20051E-05	1.92099E-05	6.996E-05	5.52011E-05	7.75128E-05	8.1979E-05	2.04681E-05	6.996E-05	5.41468E-05	**2502**	7.70137E-05
7.64871E-05	8.09361E-05	2.01787E-05	6.92761E-05	0.000101334	7.64469E-05	8.07833E-05	2.10608E-05	6.92761E-05	9.27707E-05	**2503**	7.60611E-05
7.20522E-05	7.6164E-05	2.00102E-05	6.6418E-05	0.000100007	7.23847E-05	7.64328E-05	2.06801E-05	6.6418E-05	9.13635E-05	**2504**	7.16669E-05
6.95657E-05	7.35154E-05	1.95765E-05	6.31301E-05	0.000100677	6.93674E-05	7.32303E-05	2.00283E-05	6.31301E-05	9.20223E-05	**2505**	6.91706E-05
6.89023E-05	7.27972E-05	1.9605E-05	6.15054E-05	0.000101038	6.81816E-05	7.1965E-05	1.98577E-05	6.15054E-05	9.23726E-05	**2506**	6.84744E-05
6.86021E-05	7.24663E-05	1.96943E-05	6.05058E-05	0.000101331	6.75057E-05	7.12403E-05	1.98042E-05	6.05058E-05	9.26601E-05	**2507**	6.81555E-05
6.67716E-05	7.05377E-05	1.91059E-05	5.89501E-05	9.4729E-05	6.57438E-05	6.93856E-05	1.92296E-05	5.89501E-05	8.73211E-05	**2508**	6.63257E-05
6.51709E-05	6.8843E-05	1.86948E-05	5.73189E-05	9.443E-05	6.40558E-05	6.7601E-05	1.87739E-05	5.73189E-05	8.70131E-05	**2509**	6.47282E-05
6.51811E-05	6.88769E-05	1.84041E-05	5.75203E-05	9.28217E-05	6.4211E-05	6.77862E-05	1.85472E-05	5.75203E-05	8.53653E-05	**2510**	6.46785E-05
6.86113E-05	7.25252E-05	1.90746E-05	6.09028E-05	9.6971E-05	6.78135E-05	7.16105E-05	1.93172E-05	6.09028E-05	8.8187E-05	**2511**	6.80361E-05
7.41337E-05	7.83732E-05	2.04757E-05	6.59571E-05	9.37018E-05	7.33687E-05	7.74861E-05	2.07778E-05	6.59571E-05	8.48521E-05	**2512**	7.34908E-05
7.91469E-05	8.36809E-05	2.1762E-05	7.01353E-05	9.10321E-05	7.82145E-05	8.26119E-05	2.2048E-05	7.01353E-05	8.21355E-05	**2513**	7.84089E-05
8.62502E-05	9.11254E-05	2.45462E-05	7.48316E-05	8.94573E-05	8.43237E-05	8.90074E-05	2.44997E-05	7.48316E-05	8.05395E-05	**2514**	8.55192E-05
9.50688E-05	0.000100314	2.86815E-05	7.9929E-05	7.40967E-05	9.14357E-05	9.64003E-05	2.80259E-05	7.9929E-05	6.7689E-05	**2515**	9.44585E-05
9.80301E-05	0.000103363	3.05314E-05	8.15335E-05	6.15062E-05	9.36882E-05	9.87056E-05	2.96032E-05	8.15335E-05	5.76938E-05	**2516**	9.75721E-05
9.61187E-05	0.000101367	2.96892E-05	7.77194E-05	5.28841E-05	9.08469E-05	9.57129E-05	2.86951E-05	7.77194E-05	5.03033E-05	**2517**	9.5777E-05
8.95387E-05	9.44846E-05	2.69397E-05	7.13829E-05	4.6569E-05	8.42719E-05	8.88184E-05	2.62012E-05	7.13829E-05	4.53041E-05	**2518**	8.93397E-05
7.91682E-05	8.3589E-05	2.32162E-05	6.39696E-05	4.55648E-05	7.50261E-05	7.91125E-05	2.28326E-05	6.39696E-05	4.42838E-05	**2519**	7.89981E-05
7.09285E-05	7.49846E-05	1.9592E-05	5.91293E-05	4.51267E-05	6.83E-05	7.2102E-05	1.97386E-05	5.91293E-05	4.38455E-05	**2520**	7.07016E-05
6.22578E-05	6.59125E-05	1.60018E-05	5.37886E-05	4.49734E-05	6.10639E-05	6.45419E-05	1.66407E-05	5.37886E-05	4.37005E-05	**2521**	6.20076E-05
6.0418E-05	6.40189E-05	1.48428E-05	5.34581E-05	4.55619E-05	5.9982E-05	6.3444E-05	1.57638E-05	5.34581E-05	4.43163E-05	**2522**	6.01314E-05
6.14599E-05	6.51393E-05	1.4892E-05	5.56022E-05	4.73271E-05	6.1634E-05	6.52031E-05	1.60473E-05	5.56022E-05	4.61391E-05	**2523**	6.12124E-05
6.63285E-05	7.03013E-05	1.60453E-05	6.12092E-05	5.08381E-05	6.7092E-05	7.09782E-05	1.74551E-05	6.12092E-05	4.97419E-05	**2524**	6.61044E-05
7.27935E-05	7.71416E-05	1.77611E-05	6.6953E-05	5.44706E-05	7.34993E-05	7.77503E-05	1.92034E-05	6.6953E-05	5.34538E-05	**2525**	7.24943E-05
7.7407E-05	8.20051E-05	1.92099E-05	6.996E-05	5.52011E-05	7.75128E-05	8.1979E-05	2.04681E-05	6.996E-05	5.41468E-05	**2526**	7.70137E-05
7.64871E-05	8.09361E-05	2.01787E-05	6.92761E-05	0.000101334	7.64469E-05	8.07833E-05	2.10608E-05	6.92761E-05	9.27707E-05	**2527**	7.60611E-05
7.20522E-05	7.6164E-05	2.00102E-05	6.6418E-05	0.000100007	7.23847E-05	7.64328E-05	2.06801E-05	6.6418E-05	9.13635E-05	**2528**	7.16669E-05
6.95657E-05	7.35154E-05	1.95765E-05	6.31301E-05	0.000100677	6.93674E-05	7.32303E-05	2.00283E-05	6.31301E-05	9.20223E-05	**2529**	6.91706E-05
6.89023E-05	7.27972E-05	1.9605E-05	6.15054E-05	0.000101038	6.81816E-05	7.1965E-05	1.98577E-05	6.15054E-05	9.23726E-05	**2530**	6.84744E-05
6.86021E-05	7.24663E-05	1.96943E-05	6.05058E-05	0.000101331	6.75057E-05	7.12403E-05	1.98042E-05	6.05058E-05	9.26601E-05	**2531**	6.81555E-05
6.67716E-05	7.05377E-05	1.91059E-05	5.89501E-05	9.4729E-05	6.57438E-05	6.93856E-05	1.92296E-05	5.89501E-05	8.73211E-05	**2532**	6.63257E-05
6.51709E-05	6.8843E-05	1.86948E-05	5.73189E-05	9.443E-05	6.40558E-05	6.7601E-05	1.87739E-05	5.73189E-05	8.70131E-05	**2533**	6.47282E-05
6.51811E-05	6.88769E-05	1.84041E-05	5.75203E-05	9.28217E-05	6.4211E-05	6.77862E-05	1.85472E-05	5.75203E-05	8.53653E-05	**2534**	6.46785E-05
6.86113E-05	7.25252E-05	1.90746E-05	6.09028E-05	9.6971E-05	6.78135E-05	7.16105E-05	1.93172E-05	6.09028E-05	8.8187E-05	**2535**	6.80361E-05
7.41337E-05	7.83732E-05	2.04757E-05	6.59571E-05	9.37018E-05	7.33687E-05	7.74861E-05	2.07778E-05	6.59571E-05	8.48521E-05	**2536**	7.34908E-05
7.91469E-05	8.36809E-05	2.1762E-05	7.01353E-05	9.10321E-05	7.82145E-05	8.26119E-05	2.2048E-05	7.01353E-05	8.21355E-05	**2537**	7.84089E-05
8.62502E-05	9.11254E-05	2.45462E-05	7.48316E-05	8.94573E-05	8.43237E-05	8.90074E-05	2.44997E-05	7.48316E-05	8.05395E-05	**2538**	8.55192E-05
9.50688E-05	0.000100314	2.86815E-05	7.9929E-05	7.40967E-05	9.14357E-05	9.64003E-05	2.80259E-05	7.9929E-05	6.7689E-05	**2539**	9.44585E-05
9.80301E-05	0.000103363	3.05314E-05	8.15335E-05	6.15062E-05	9.36882E-05	9.87056E-05	2.96032E-05	8.15335E-05	5.76938E-05	**2540**	9.75721E-05
9.61187E-05	0.000101367	2.96892E-05	7.77194E-05	5.28841E-05	9.08469E-05	9.57129E-05	2.86951E-05	7.77194E-05	5.03033E-05	**2541**	9.5777E-05
8.95387E-05	9.44846E-05	2.69397E-05	7.13829E-05	4.6569E-05	8.42719E-05	8.88184E-05	2.62012E-05	7.13829E-05	4.53041E-05	**2542**	8.93397E-05
7.91682E-05	8.3589E-05	2.32162E-05	6.39696E-05	4.55648E-05	7.50261E-05	7.91125E-05	2.28326E-05	6.39696E-05	4.42838E-05	**2543**	7.89981E-05
7.09285E-05	7.49846E-05	1.9592E-05	5.91293E-05	4.51267E-05	6.83E-05	7.2102E-05	1.97386E-05	5.91293E-05	4.38455E-05	**2544**	7.07016E-05
6.1953E-05	6.55909E-05	1.59098E-05	5.33706E-05	4.49879E-05	6.06941E-05	6.41523E-05	1.65237E-05	5.33706E-05	4.37133E-05	**2545**	6.169E-05
6.01421E-05	6.3728E-05	1.47565E-05	5.30642E-05	4.55836E-05	5.96404E-05	6.30844E-05	1.56526E-05	5.30642E-05	4.43359E-05	**2546**	5.98417E-05
6.12335E-05	6.49008E-05	1.48175E-05	5.52599E-05	4.73427E-05	6.13453E-05	6.48995E-05	1.59495E-05	5.52599E-05	4.61529E-05	**2547**	6.09719E-05
6.61153E-05	7.00778E-05	1.59632E-05	6.08253E-05	5.08572E-05	6.67932E-05	7.06649E-05	1.73421E-05	6.08253E-05	4.97609E-05	**2548**	6.58693E-05
7.26808E-05	7.70245E-05	1.7704E-05	6.66787E-05	5.45277E-05	7.33101E-05	7.75528E-05	1.91195E-05	6.66787E-05	5.35113E-05	**2549**	7.23599E-05
7.72814E-05	8.1874E-05	1.91557E-05	6.97031E-05	5.529E-05	7.73233E-05	8.17807E-05	2.0391E-05	6.97031E-05	5.42362E-05	**2550**	7.68709E-05
7.77909E-05	8.23419E-05	2.01902E-05	6.91855E-05	0.000101409	7.72054E-05	8.16018E-05	2.10525E-05	6.91855E-05	9.2846E-05	**2551**	7.73577E-05
7.1789E-05	7.5886E-05	1.99345E-05	6.60763E-05	0.000100144	7.20738E-05	7.61049E-05	2.05855E-05	6.60763E-05	9.15012E-05	**2552**	7.13953E-05
6.92652E-05	7.31979E-05	1.94897E-05	6.27379E-05	0.000100901	6.90116E-05	7.28551E-05	1.99198E-05	6.27379E-05	9.22477E-05	**2553**	6.88603E-05
6.86702E-05	7.25522E-05	1.95375E-05	6.12003E-05	0.000101276	6.79058E-05	7.16743E-05	1.97731E-05	6.12003E-05	9.26115E-05	**2554**	6.82345E-05
6.8377E-05	7.22285E-05	1.96293E-05	6.02124E-05	0.000101592	6.72392E-05	7.09594E-05	1.9723E-05	6.02124E-05	9.29225E-05	**2555**	6.7923E-05
6.66073E-05	7.03645E-05	1.90532E-05	5.87089E-05	9.48837E-05	6.55375E-05	6.91684E-05	1.91611E-05	5.87089E-05	8.74742E-05	**2556**	6.61522E-05
6.50151E-05	6.86789E-05	1.86433E-05	5.7082E-05	9.45729E-05	6.38566E-05	6.73915E-05	1.87062E-05	5.7082E-05	8.7155E-05	**2557**	6.45625E-05
6.50729E-05	6.87631E-05	1.83666E-05	5.73469E-05	9.29554E-05	6.40688E-05	6.76367E-05	1.84972E-05	5.73469E-05	8.54983E-05	**2558**	6.45622E-05
6.84505E-05	7.23553E-05	1.90275E-05	6.06897E-05	9.70698E-05	6.76217E-05	7.14082E-05	1.9258E-05	6.06897E-05	8.82851E-05	**2559**	6.78696E-05
7.40402E-05	7.82748E-05	2.04445E-05	6.58138E-05	9.37489E-05	7.32486E-05	7.73599E-05	2.07368E-05	6.58138E-05	8.48994E-05	**2560**	7.33912E-05
7.92297E-05	8.37681E-05	2.17894E-05	7.02615E-05	9.10368E-05	7.83205E-05	8.27235E-05	2.20841E-05	7.02615E-05	8.21398E-05	**2561**	7.8497E-05
8.63182E-05	9.1197E-05	2.45686E-05	7.49348E-05	8.94509E-05	8.44105E-05	8.90988E-05	2.45292E-05	7.49348E-05	8.05322E-05	**2562**	8.55914E-05
9.51179E-05	0.000100366	2.86894E-05	7.99602E-05	7.40728E-05	9.14794E-05	9.64469E-05	2.80325E-05	7.99602E-05	6.76647E-05	**2563**	9.45046E-05
9.809E-05	0.000103428	3.05316E-05	8.15231E-05	6.15032E-05	9.37203E-05	9.87409E-05	2.95948E-05	8.15231E-05	5.76922E-05	**2564**	9.76213E-05
9.46456E-05	9.97834E-05	2.96178E-05	7.75326E-05	5.28484E-05	8.98631E-05	9.46578E-05	2.86231E-05	7.75326E-05	5.02685E-05	**2565**	9.42974E-05
8.9547E-05	9.44939E-05	2.69352E-05	7.13581E-05	4.65397E-05	8.42662E-05	8.88129E-05	2.61921E-05	7.13581E-05	4.52757E-05	**2566**	8.93432E-05
7.92231E-05	8.36475E-05	2.32249E-05	6.40039E-05	4.55322E-05	7.50747E-05	7.91643E-05	2.28398E-05	6.40039E-05	4.42521E-05	**2567**	7.90495E-05
7.09645E-05	7.50229E-05	1.95992E-05	5.916E-05	4.50749E-05	6.83356E-05	7.21398E-05	1.97461E-05	5.916E-05	4.37942E-05	**2568**	7.07365E-05
6.1953E-05	6.55909E-05	1.59098E-05	5.33706E-05	4.49879E-05	6.06941E-05	6.41523E-05	1.65237E-05	5.33706E-05	4.37133E-05	**2569**	6.169E-05
6.01421E-05	6.3728E-05	1.47565E-05	5.30642E-05	4.55836E-05	5.96404E-05	6.30844E-05	1.56526E-05	5.30642E-05	4.43359E-05	**2570**	5.98417E-05
6.12335E-05	6.49008E-05	1.48175E-05	5.52599E-05	4.73427E-05	6.13453E-05	6.48995E-05	1.59495E-05	5.52599E-05	4.61529E-05	**2571**	6.09719E-05
6.61153E-05	7.00778E-05	1.59632E-05	6.08253E-05	5.08572E-05	6.67932E-05	7.06649E-05	1.73421E-05	6.08253E-05	4.97609E-05	**2572**	6.58693E-05
7.26808E-05	7.70245E-05	1.7704E-05	6.66787E-05	5.45277E-05	7.33101E-05	7.75528E-05	1.91195E-05	6.66787E-05	5.35113E-05	**2573**	7.23599E-05
7.72814E-05	8.1874E-05	1.91557E-05	6.97031E-05	5.529E-05	7.73233E-05	8.17807E-05	2.0391E-05	6.97031E-05	5.42362E-05	**2574**	7.68709E-05
7.77909E-05	8.23419E-05	2.01902E-05	6.91855E-05	0.000101409	7.72054E-05	8.16018E-05	2.10525E-05	6.91855E-05	9.2846E-05	**2575**	7.73577E-05

7.1789E-05	7.5886E-05	1.99345E-05	6.60763E-05	0.000100144	7.20738E-05	7.61049E-05	2.05855E-05	6.60763E-05	9.15012E-05	**2576**	7.13953E-05
6.92652E-05	7.31979E-05	1.94897E-05	6.27379E-05	0.000100901	6.90116E-05	7.28551E-05	1.99198E-05	6.27379E-05	9.22477E-05	**2577**	6.88603E-05
6.86702E-05	7.25522E-05	1.95375E-05	6.12003E-05	0.000101276	6.79058E-05	7.16743E-05	1.97731E-05	6.12003E-05	9.26115E-05	**2578**	6.82345E-05
6.8377E-05	7.22285E-05	1.96293E-05	6.02124E-05	0.000101592	6.72392E-05	7.09594E-05	1.9723E-05	6.02124E-05	9.29225E-05	**2579**	6.7923E-05
6.66073E-05	7.03645E-05	1.90532E-05	5.87089E-05	9.48837E-05	6.55375E-05	6.91684E-05	1.91611E-05	5.87089E-05	8.74742E-05	**2580**	6.61522E-05
6.50151E-05	6.86789E-05	1.86433E-05	5.7082E-05	9.45729E-05	6.38566E-05	6.73915E-05	1.87062E-05	5.7082E-05	8.7155E-05	**2581**	6.45625E-05
6.50729E-05	6.87631E-05	1.83666E-05	5.73469E-05	9.29554E-05	6.40688E-05	6.76367E-05	1.84972E-05	5.73469E-05	8.54983E-05	**2582**	6.45622E-05
6.84505E-05	7.23553E-05	1.90275E-05	6.06897E-05	9.70698E-05	6.76217E-05	7.14082E-05	1.9258E-05	6.06897E-05	8.82851E-05	**2583**	6.78696E-05
7.40402E-05	7.82748E-05	2.04445E-05	6.58138E-05	9.37489E-05	7.32486E-05	7.73599E-05	2.07368E-05	6.58138E-05	8.48994E-05	**2584**	7.33912E-05
7.92297E-05	8.37681E-05	2.17894E-05	7.02615E-05	9.10368E-05	7.83205E-05	8.27235E-05	2.20841E-05	7.02615E-05	8.21398E-05	**2585**	7.8497E-05
8.63182E-05	9.1197E-05	2.45686E-05	7.49348E-05	8.94509E-05	8.44105E-05	8.90988E-05	2.45292E-05	7.49348E-05	8.05322E-05	**2586**	8.55914E-05
9.51179E-05	0.000100366	2.86894E-05	7.99602E-05	7.40728E-05	9.14794E-05	9.64469E-05	2.80325E-05	7.99602E-05	6.76647E-05	**2587**	9.45046E-05
9.809E-05	0.000103428	3.05316E-05	8.15231E-05	6.15032E-05	9.37203E-05	9.87409E-05	2.95948E-05	8.15231E-05	5.76922E-05	**2588**	9.76213E-05
9.46456E-05	9.97834E-05	2.96178E-05	7.75326E-05	5.28484E-05	8.98631E-05	9.46578E-05	2.86231E-05	7.75326E-05	5.02685E-05	**2589**	9.42974E-05
8.9547E-05	9.44939E-05	2.69352E-05	7.13581E-05	4.65397E-05	8.42662E-05	8.88129E-05	2.61921E-05	7.13581E-05	4.52757E-05	**2590**	8.93432E-05
7.92231E-05	8.36475E-05	2.32249E-05	6.40039E-05	4.55322E-05	7.50747E-05	7.91643E-05	2.28398E-05	6.40039E-05	4.42521E-05	**2591**	7.90495E-05
7.09645E-05	7.50229E-05	1.95992E-05	5.916E-05	4.50749E-05	6.83356E-05	7.21398E-05	1.97461E-05	5.916E-05	4.37942E-05	**2592**	7.07365E-05
6.22578E-05	6.59125E-05	1.60018E-05	5.37886E-05	4.49734E-05	6.10639E-05	6.45419E-05	1.66407E-05	5.37886E-05	4.37005E-05	**2593**	6.20076E-05
6.0418E-05	6.40189E-05	1.48428E-05	5.34581E-05	4.55619E-05	5.9982E-05	6.3444E-05	1.57638E-05	5.34581E-05	4.43163E-05	**2594**	6.01314E-05
6.14599E-05	6.51393E-05	1.4892E-05	5.56022E-05	4.73271E-05	6.1634E-05	6.52031E-05	1.60473E-05	5.56022E-05	4.61391E-05	**2595**	6.12124E-05
6.63285E-05	7.03013E-05	1.60453E-05	6.12092E-05	5.08381E-05	6.7092E-05	7.09782E-05	1.74551E-05	6.12092E-05	4.97419E-05	**2596**	6.61044E-05
7.27935E-05	7.71416E-05	1.77611E-05	6.6953E-05	5.44706E-05	7.34993E-05	7.77503E-05	1.92034E-05	6.6953E-05	5.34538E-05	**2597**	7.24943E-05
7.7407E-05	8.20051E-05	1.92099E-05	6.996E-05	5.52011E-05	7.75128E-05	8.1979E-05	2.04681E-05	6.996E-05	5.41468E-05	**2598**	7.70137E-05
7.64871E-05	8.09361E-05	2.01787E-05	6.92761E-05	0.000101334	7.64469E-05	8.07833E-05	2.10608E-05	6.92761E-05	9.27707E-05	**2599**	7.60611E-05
7.20522E-05	7.6164E-05	2.00102E-05	6.6418E-05	0.000100007	7.23847E-05	7.64328E-05	2.06801E-05	6.6418E-05	9.13635E-05	**2600**	7.16669E-05
6.95657E-05	7.35154E-05	1.95765E-05	6.31301E-05	0.000100677	6.93674E-05	7.32303E-05	2.00283E-05	6.31301E-05	9.20223E-05	**2601**	6.91706E-05
6.89023E-05	7.27972E-05	1.9605E-05	6.15054E-05	0.000101038	6.81816E-05	7.1965E-05	1.98577E-05	6.15054E-05	9.23726E-05	**2602**	6.84744E-05
6.86021E-05	7.24663E-05	1.96943E-05	6.05058E-05	0.000101331	6.75057E-05	7.12403E-05	1.98042E-05	6.05058E-05	9.26601E-05	**2603**	6.81555E-05
6.67716E-05	7.05377E-05	1.91059E-05	5.89501E-05	9.4729E-05	6.57438E-05	6.93856E-05	1.92296E-05	5.89501E-05	8.73211E-05	**2604**	6.63257E-05
6.51709E-05	6.8843E-05	1.86948E-05	5.73189E-05	9.443E-05	6.40558E-05	6.7601E-05	1.87739E-05	5.73189E-05	8.70131E-05	**2605**	6.47282E-05
6.51811E-05	6.88769E-05	1.84041E-05	5.75203E-05	9.28217E-05	6.4211E-05	6.77862E-05	1.85472E-05	5.75203E-05	8.53653E-05	**2606**	6.46785E-05
6.86113E-05	7.25252E-05	1.90746E-05	6.09028E-05	9.6971E-05	6.78135E-05	7.16105E-05	1.93172E-05	6.09028E-05	8.8187E-05	**2607**	6.80361E-05
7.41337E-05	7.83732E-05	2.04757E-05	6.59571E-05	9.37018E-05	7.33687E-05	7.74861E-05	2.07778E-05	6.59571E-05	8.48521E-05	**2608**	7.34908E-05
7.91469E-05	8.36809E-05	2.1762E-05	7.01353E-05	9.10321E-05	7.82145E-05	8.26119E-05	2.2048E-05	7.01353E-05	8.21355E-05	**2609**	7.84089E-05
8.62502E-05	9.11254E-05	2.45462E-05	7.48316E-05	8.94573E-05	8.43237E-05	8.90074E-05	2.44997E-05	7.48316E-05	8.05395E-05	**2610**	8.55192E-05
9.50688E-05	0.000100314	2.86815E-05	7.9929E-05	7.40967E-05	9.14357E-05	9.64003E-05	2.80259E-05	7.9929E-05	6.7689E-05	**2611**	9.44585E-05
9.80301E-05	0.000103363	3.05314E-05	8.15335E-05	6.15062E-05	9.36882E-05	9.87056E-05	2.96032E-05	8.15335E-05	5.76938E-05	**2612**	9.75721E-05
9.61187E-05	0.000101367	2.96892E-05	7.77194E-05	5.28841E-05	9.08469E-05	9.57129E-05	2.86951E-05	7.77194E-05	5.03033E-05	**2613**	9.5777E-05
8.95387E-05	9.44846E-05	2.69397E-05	7.13829E-05	4.6569E-05	8.42719E-05	8.88184E-05	2.62012E-05	7.13829E-05	4.53041E-05	**2614**	8.93397E-05
7.91682E-05	8.3589E-05	2.32162E-05	6.39696E-05	4.55648E-05	7.50261E-05	7.91125E-05	2.28326E-05	6.39696E-05	4.42838E-05	**2615**	7.89981E-05
7.09285E-05	7.49846E-05	1.9592E-05	5.91293E-05	4.51267E-05	6.83E-05	7.2102E-05	1.97386E-05	5.91293E-05	4.38455E-05	**2616**	7.07016E-05
6.22578E-05	6.59125E-05	1.60018E-05	5.37886E-05	4.49734E-05	6.10639E-05	6.45419E-05	1.66407E-05	5.37886E-05	4.37005E-05	**2617**	6.20076E-05
6.0418E-05	6.40189E-05	1.48428E-05	5.34581E-05	4.55619E-05	5.9982E-05	6.3444E-05	1.57638E-05	5.34581E-05	4.43163E-05	**2618**	6.01314E-05
6.14599E-05	6.51393E-05	1.4892E-05	5.56022E-05	4.73271E-05	6.1634E-05	6.52031E-05	1.60473E-05	5.56022E-05	4.61391E-05	**2619**	6.12124E-05
6.63285E-05	7.03013E-05	1.60453E-05	6.12092E-05	5.08381E-05	6.7092E-05	7.09782E-05	1.74551E-05	6.12092E-05	4.97419E-05	**2620**	6.61044E-05
7.27935E-05	7.71416E-05	1.77611E-05	6.6953E-05	5.44706E-05	7.34993E-05	7.77503E-05	1.92034E-05	6.6953E-05	5.34538E-05	**2621**	7.24943E-05
7.7407E-05	8.20051E-05	1.92099E-05	6.996E-05	5.52011E-05	7.75128E-05	8.1979E-05	2.04681E-05	6.996E-05	5.41468E-05	**2622**	7.70137E-05
7.64871E-05	8.09361E-05	2.01787E-05	6.92761E-05	0.000101334	7.64469E-05	8.07833E-05	2.10608E-05	6.92761E-05	9.27707E-05	**2623**	7.60611E-05
7.20522E-05	7.6164E-05	2.00102E-05	6.6418E-05	0.000100007	7.23847E-05	7.64328E-05	2.06801E-05	6.6418E-05	9.13635E-05	**2624**	7.16669E-05
6.95657E-05	7.35154E-05	1.95765E-05	6.31301E-05	0.000100677	6.93674E-05	7.32303E-05	2.00283E-05	6.31301E-05	9.20223E-05	**2625**	6.91706E-05
6.89023E-05	7.27972E-05	1.9605E-05	6.15054E-05	0.000101038	6.81816E-05	7.1965E-05	1.98577E-05	6.15054E-05	9.23726E-05	**2626**	6.84744E-05
6.86021E-05	7.24663E-05	1.96943E-05	6.05058E-05	0.000101331	6.75057E-05	7.12403E-05	1.98042E-05	6.05058E-05	9.26601E-05	**2627**	6.81555E-05
6.67716E-05	7.05377E-05	1.91059E-05	5.89501E-05	9.4729E-05	6.57438E-05	6.93856E-05	1.92296E-05	5.89501E-05	8.73211E-05	**2628**	6.63257E-05
6.51709E-05	6.8843E-05	1.86948E-05	5.73189E-05	9.443E-05	6.40558E-05	6.7601E-05	1.87739E-05	5.73189E-05	8.70131E-05	**2629**	6.47282E-05
6.51811E-05	6.88769E-05	1.84041E-05	5.75203E-05	9.28217E-05	6.4211E-05	6.77862E-05	1.85472E-05	5.75203E-05	8.53653E-05	**2630**	6.46785E-05
6.86113E-05	7.25252E-05	1.90746E-05	6.09028E-05	9.6971E-05	6.78135E-05	7.16105E-05	1.93172E-05	6.09028E-05	8.8187E-05	**2631**	6.80361E-05
7.41337E-05	7.83732E-05	2.04757E-05	6.59571E-05	9.37018E-05	7.33687E-05	7.74861E-05	2.07778E-05	6.59571E-05	8.48521E-05	**2632**	7.34908E-05
7.91469E-05	8.36809E-05	2.1762E-05	7.01353E-05	9.10321E-05	7.82145E-05	8.26119E-05	2.2048E-05	7.01353E-05	8.21355E-05	**2633**	7.84089E-05
8.62502E-05	9.11254E-05	2.45462E-05	7.48316E-05	8.94573E-05	8.43237E-05	8.90074E-05	2.44997E-05	7.48316E-05	8.05395E-05	**2634**	8.55192E-05
9.50688E-05	0.000100314	2.86815E-05	7.9929E-05	7.40967E-05	9.14357E-05	9.64003E-05	2.80259E-05	7.9929E-05	6.7689E-05	**2635**	9.44585E-05
9.80301E-05	0.000103363	3.05314E-05	8.15335E-05	6.15062E-05	9.36882E-05	9.87056E-05	2.96032E-05	8.15335E-05	5.76938E-05	**2636**	9.75721E-05
9.61187E-05	0.000101367	2.96892E-05	7.77194E-05	5.28841E-05	9.08469E-05	9.57129E-05	2.86951E-05	7.77194E-05	5.03033E-05	**2637**	9.5777E-05
8.95387E-05	9.44846E-05	2.69397E-05	7.13829E-05	4.6569E-05	8.42719E-05	8.88184E-05	2.62012E-05	7.13829E-05	4.53041E-05	**2638**	8.93397E-05
7.91682E-05	8.3589E-05	2.32162E-05	6.39696E-05	4.55648E-05	7.50261E-05	7.91125E-05	2.28326E-05	6.39696E-05	4.42838E-05	**2639**	7.89981E-05
7.09285E-05	7.49846E-05	1.9592E-05	5.91293E-05	4.51267E-05	6.83E-05	7.2102E-05	1.97386E-05	5.91293E-05	4.38455E-05	**2640**	7.07016E-05
6.22578E-05	6.59125E-05	1.60018E-05	5.37886E-05	4.49734E-05	6.10639E-05	6.45419E-05	1.66407E-05	5.37886E-05	4.37005E-05	**2641**	6.20076E-05
6.0418E-05	6.40189E-05	1.48428E-05	5.34581E-05	4.55619E-05	5.9982E-05	6.3444E-05	1.57638E-05	5.34581E-05	4.43163E-05	**2642**	6.01314E-05
6.14599E-05	6.51393E-05	1.4892E-05	5.56022E-05	4.73271E-05	6.1634E-05	6.52031E-05	1.60473E-05	5.56022E-05	4.61391E-05	**2643**	6.12124E-05
6.63285E-05	7.03013E-05	1.60453E-05	6.12092E-05	5.08381E-05	6.7092E-05	7.09782E-05	1.74551E-05	6.12092E-05	4.97419E-05	**2644**	6.61044E-05
7.27935E-05	7.71416E-05	1.77611E-05	6.6953E-05	5.44706E-05	7.34993E-05	7.77503E-05	1.92034E-05	6.6953E-05	5.34538E-05	**2645**	7.24943E-05
7.7407E-05	8.20051E-05	1.92099E-05	6.996E-05	5.52011E-05	7.75128E-05	8.1979E-05	2.04681E-05	6.996E-05	5.41468E-05	**2646**	7.70137E-05
7.64871E-05	8.09361E-05	2.01787E-05	6.92761E-05	0.000101334	7.64469E-05	8.07833E-05	2.10608E-05	6.92761E-05	9.27707E-05	**2647**	7.60611E-05
7.20522E-05	7.6164E-05	2.00102E-05	6.6418E-05	0.000100007	7.23847E-05	7.64328E-05	2.06801E-05	6.6418E-05	9.13635E-05	**2648**	7.16669E-05
6.95657E-05	7.35154E-05	1.95765E-05	6.31301E-05	0.000100677	6.93674E-05	7.32303E-05	2.00283E-05	6.31301E-05	9.20223E-05	**2649**	6.91706E-05
6.89023E-05	7.27972E-05	1.9605E-05	6.15054E-05	0.000101038	6.81816E-05	7.1965E-05	1.98577E-05	6.15054E-05	9.23726E-05	**2650**	6.84744E-05
6.86021E-05	7.24663E-05	1.96943E-05	6.05058E-05	0.000101331	6.75057E-05	7.12403E-05	1.98042E-05	6.05058E-05	9.26601E-05	**2651**	6.81555E-05

6.67716E-05	7.05377E-05	1.91059E-05	5.89501E-05	9.4729E-05	6.57438E-05	6.93856E-05	1.92296E-05	5.89501E-05	8.73211E-05	**2652**	6.63257E-05
6.51709E-05	6.8843E-05	1.86948E-05	5.73189E-05	9.443E-05	6.40558E-05	6.7601E-05	1.87739E-05	5.73189E-05	8.70131E-05	**2653**	6.47282E-05
6.51811E-05	6.88769E-05	1.84041E-05	5.75203E-05	9.28217E-05	6.4211E-05	6.77862E-05	1.85472E-05	5.75203E-05	8.53653E-05	**2654**	6.46785E-05
6.86113E-05	7.25252E-05	1.90746E-05	6.09028E-05	9.6971E-05	6.78135E-05	7.16105E-05	1.93172E-05	6.09028E-05	8.8187E-05	**2655**	6.80361E-05
7.41337E-05	7.83732E-05	2.04757E-05	6.59571E-05	9.37018E-05	7.33687E-05	7.74861E-05	2.07778E-05	6.59571E-05	8.48521E-05	**2656**	7.34908E-05
7.91469E-05	8.36809E-05	2.1762E-05	7.01353E-05	9.10321E-05	7.82145E-05	8.26119E-05	2.2048E-05	7.01353E-05	8.21355E-05	**2657**	7.84089E-05
8.62502E-05	9.11254E-05	2.45462E-05	7.48316E-05	8.94573E-05	8.43237E-05	8.90074E-05	2.44997E-05	7.48316E-05	8.05395E-05	**2658**	8.55192E-05
9.50688E-05	0.000100314	2.86815E-05	7.9929E-05	7.40967E-05	9.14357E-05	9.64003E-05	2.80259E-05	7.9929E-05	6.7689E-05	**2659**	9.44585E-05
9.80301E-05	0.000103363	3.05314E-05	8.15335E-05	6.15062E-05	9.36882E-05	9.87056E-05	2.96032E-05	8.15335E-05	5.76938E-05	**2660**	9.75721E-05
9.61187E-05	0.000101367	2.96892E-05	7.77194E-05	5.28841E-05	9.08469E-05	9.57129E-05	2.86951E-05	7.77194E-05	5.03033E-05	**2661**	9.5777E-05
8.95387E-05	9.44846E-05	2.69397E-05	7.13829E-05	4.6569E-05	8.42719E-05	8.88184E-05	2.62012E-05	7.13829E-05	4.53041E-05	**2662**	8.93397E-05
7.91682E-05	8.3589E-05	2.32162E-05	6.39696E-05	4.55648E-05	7.50261E-05	7.91125E-05	2.28326E-05	6.39696E-05	4.42838E-05	**2663**	7.89981E-05
7.09285E-05	7.49846E-05	1.9592E-05	5.91293E-05	4.51267E-05	6.83E-05	7.2102E-05	1.97386E-05	5.91293E-05	4.38455E-05	**2664**	7.07016E-05
6.22578E-05	6.59125E-05	1.60018E-05	5.37886E-05	4.49734E-05	6.10639E-05	6.45419E-05	1.66407E-05	5.37886E-05	4.37005E-05	**2665**	6.20076E-05
6.0418E-05	6.40189E-05	1.48428E-05	5.34581E-05	4.55619E-05	5.9982E-05	6.3444E-05	1.57638E-05	5.34581E-05	4.43163E-05	**2666**	6.01314E-05
6.14599E-05	6.51393E-05	1.4892E-05	5.56022E-05	4.73271E-05	6.1634E-05	6.52031E-05	1.60473E-05	5.56022E-05	4.61391E-05	**2667**	6.12124E-05
6.63285E-05	7.03013E-05	1.60453E-05	6.12092E-05	5.08381E-05	6.7092E-05	7.09782E-05	1.74551E-05	6.12092E-05	4.97419E-05	**2668**	6.61044E-05
7.27935E-05	7.71416E-05	1.77611E-05	6.6953E-05	5.44706E-05	7.34993E-05	7.77503E-05	1.92034E-05	6.6953E-05	5.34538E-05	**2669**	7.24943E-05
7.7407E-05	8.20051E-05	1.92099E-05	6.996E-05	5.52011E-05	7.75128E-05	8.1979E-05	2.04681E-05	6.996E-05	5.41468E-05	**2670**	7.70137E-05
7.64871E-05	8.09361E-05	2.01787E-05	6.92761E-05	0.000101334	7.64469E-05	8.07833E-05	2.10608E-05	6.92761E-05	9.27707E-05	**2671**	7.60611E-05
7.20522E-05	7.6164E-05	2.00102E-05	6.6418E-05	0.000100007	7.23847E-05	7.64328E-05	2.06801E-05	6.6418E-05	9.13635E-05	**2672**	7.16669E-05
6.95657E-05	7.35154E-05	1.95765E-05	6.31301E-05	0.000100677	6.93674E-05	7.32303E-05	2.00283E-05	6.31301E-05	9.20223E-05	**2673**	6.91706E-05
6.89023E-05	7.27972E-05	1.9605E-05	6.15054E-05	0.000101038	6.81816E-05	7.1965E-05	1.98577E-05	6.15054E-05	9.23726E-05	**2674**	6.84744E-05
6.86021E-05	7.24663E-05	1.96943E-05	6.05058E-05	0.000101331	6.75057E-05	7.12403E-05	1.98042E-05	6.05058E-05	9.26601E-05	**2675**	6.81555E-05
6.67716E-05	7.05377E-05	1.91059E-05	5.89501E-05	9.4729E-05	6.57438E-05	6.93856E-05	1.92296E-05	5.89501E-05	8.73211E-05	**2676**	6.63257E-05
6.51709E-05	6.8843E-05	1.86948E-05	5.73189E-05	9.443E-05	6.40558E-05	6.7601E-05	1.87739E-05	5.73189E-05	8.70131E-05	**2677**	6.47282E-05
6.51811E-05	6.88769E-05	1.84041E-05	5.75203E-05	9.28217E-05	6.4211E-05	6.77862E-05	1.85472E-05	5.75203E-05	8.53653E-05	**2678**	6.46785E-05
6.86113E-05	7.25252E-05	1.90746E-05	6.09028E-05	9.6971E-05	6.78135E-05	7.16105E-05	1.93172E-05	6.09028E-05	8.8187E-05	**2679**	6.80361E-05
7.41337E-05	7.83732E-05	2.04757E-05	6.59571E-05	9.37018E-05	7.33687E-05	7.74861E-05	2.07778E-05	6.59571E-05	8.48521E-05	**2680**	7.34908E-05
7.91469E-05	8.36809E-05	2.1762E-05	7.01353E-05	9.10321E-05	7.82145E-05	8.26119E-05	2.2048E-05	7.01353E-05	8.21355E-05	**2681**	7.84089E-05
8.62502E-05	9.11254E-05	2.45462E-05	7.48316E-05	8.94573E-05	8.43237E-05	8.90074E-05	2.44997E-05	7.48316E-05	8.05395E-05	**2682**	8.55192E-05
9.50688E-05	0.000100314	2.86815E-05	7.9929E-05	7.40967E-05	9.14357E-05	9.64003E-05	2.80259E-05	7.9929E-05	6.7689E-05	**2683**	9.44585E-05
9.80301E-05	0.000103363	3.05314E-05	8.15335E-05	6.15062E-05	9.36882E-05	9.87056E-05	2.96032E-05	8.15335E-05	5.76938E-05	**2684**	9.75721E-05
9.61187E-05	0.000101367	2.96892E-05	7.77194E-05	5.28841E-05	9.08469E-05	9.57129E-05	2.86951E-05	7.77194E-05	5.03033E-05	**2685**	9.5777E-05
8.95387E-05	9.44846E-05	2.69397E-05	7.13829E-05	4.6569E-05	8.42719E-05	8.88184E-05	2.62012E-05	7.13829E-05	4.53041E-05	**2686**	8.93397E-05
7.91682E-05	8.3589E-05	2.32162E-05	6.39696E-05	4.55648E-05	7.50261E-05	7.91125E-05	2.28326E-05	6.39696E-05	4.42838E-05	**2687**	7.89981E-05
7.09285E-05	7.49846E-05	1.9592E-05	5.91293E-05	4.51267E-05	6.83E-05	7.2102E-05	1.97386E-05	5.91293E-05	4.38455E-05	**2688**	7.07016E-05
6.22578E-05	6.59125E-05	1.60018E-05	5.37886E-05	4.49734E-05	6.10639E-05	6.45419E-05	1.66407E-05	5.37886E-05	4.37005E-05	**2689**	6.20076E-05
6.0418E-05	6.40189E-05	1.48428E-05	5.34581E-05	4.55619E-05	5.9982E-05	6.3444E-05	1.57638E-05	5.34581E-05	4.43163E-05	**2690**	6.01314E-05
6.14599E-05	6.51393E-05	1.4892E-05	5.56022E-05	4.73271E-05	6.1634E-05	6.52031E-05	1.60473E-05	5.56022E-05	4.61391E-05	**2691**	6.12124E-05
6.63285E-05	7.03013E-05	1.60453E-05	6.12092E-05	5.08381E-05	6.7092E-05	7.09782E-05	1.74551E-05	6.12092E-05	4.97419E-05	**2692**	6.61044E-05
7.27935E-05	7.71416E-05	1.77611E-05	6.6953E-05	5.44706E-05	7.34993E-05	7.77503E-05	1.92034E-05	6.6953E-05	5.34538E-05	**2693**	7.24943E-05
7.7407E-05	8.20051E-05	1.92099E-05	6.996E-05	5.52011E-05	7.75128E-05	8.1979E-05	2.04681E-05	6.996E-05	5.41468E-05	**2694**	7.70137E-05
7.64871E-05	8.09361E-05	2.01787E-05	6.92761E-05	0.000101334	7.64469E-05	8.07833E-05	2.10608E-05	6.92761E-05	9.27707E-05	**2695**	7.60611E-05
7.20522E-05	7.6164E-05	2.00102E-05	6.6418E-05	0.000100007	7.23847E-05	7.64328E-05	2.06801E-05	6.6418E-05	9.13635E-05	**2696**	7.16669E-05
6.95657E-05	7.35154E-05	1.95765E-05	6.31301E-05	0.000100677	6.93674E-05	7.32303E-05	2.00283E-05	6.31301E-05	9.20223E-05	**2697**	6.91706E-05
6.89023E-05	7.27972E-05	1.9605E-05	6.15054E-05	0.000101038	6.81816E-05	7.1965E-05	1.98577E-05	6.15054E-05	9.23726E-05	**2698**	6.84744E-05
6.86021E-05	7.24663E-05	1.96943E-05	6.05058E-05	0.000101331	6.75057E-05	7.12403E-05	1.98042E-05	6.05058E-05	9.26601E-05	**2699**	6.81555E-05
6.67716E-05	7.05377E-05	1.91059E-05	5.89501E-05	9.4729E-05	6.57438E-05	6.93856E-05	1.92296E-05	5.89501E-05	8.73211E-05	**2700**	6.63257E-05
6.51709E-05	6.8843E-05	1.86948E-05	5.73189E-05	9.443E-05	6.40558E-05	6.7601E-05	1.87739E-05	5.73189E-05	8.70131E-05	**2701**	6.47282E-05
6.51811E-05	6.88769E-05	1.84041E-05	5.75203E-05	9.28217E-05	6.4211E-05	6.77862E-05	1.85472E-05	5.75203E-05	8.53653E-05	**2702**	6.46785E-05
6.86113E-05	7.25252E-05	1.90746E-05	6.09028E-05	9.6971E-05	6.78135E-05	7.16105E-05	1.93172E-05	6.09028E-05	8.8187E-05	**2703**	6.80361E-05
7.41337E-05	7.83732E-05	2.04757E-05	6.59571E-05	9.37018E-05	7.33687E-05	7.74861E-05	2.07778E-05	6.59571E-05	8.48521E-05	**2704**	7.34908E-05
7.91469E-05	8.36809E-05	2.1762E-05	7.01353E-05	9.10321E-05	7.82145E-05	8.26119E-05	2.2048E-05	7.01353E-05	8.21355E-05	**2705**	7.84089E-05
8.62502E-05	9.11254E-05	2.45462E-05	7.48316E-05	8.94573E-05	8.43237E-05	8.90074E-05	2.44997E-05	7.48316E-05	8.05395E-05	**2706**	8.55192E-05
9.50688E-05	0.000100314	2.86815E-05	7.9929E-05	7.40967E-05	9.14357E-05	9.64003E-05	2.80259E-05	7.9929E-05	6.7689E-05	**2707**	9.44585E-05
9.80301E-05	0.000103363	3.05314E-05	8.15335E-05	6.15062E-05	9.36882E-05	9.87056E-05	2.96032E-05	8.15335E-05	5.76938E-05	**2708**	9.75721E-05
9.61187E-05	0.000101367	2.96892E-05	7.77194E-05	5.28841E-05	9.08469E-05	9.57129E-05	2.86951E-05	7.77194E-05	5.03033E-05	**2709**	9.5777E-05
8.95387E-05	9.44846E-05	2.69397E-05	7.13829E-05	4.6569E-05	8.42719E-05	8.88184E-05	2.62012E-05	7.13829E-05	4.53041E-05	**2710**	8.93397E-05
7.91682E-05	8.3589E-05	2.32162E-05	6.39696E-05	4.55648E-05	7.50261E-05	7.91125E-05	2.28326E-05	6.39696E-05	4.42838E-05	**2711**	7.89981E-05
7.09285E-05	7.49846E-05	1.9592E-05	5.91293E-05	4.51267E-05	6.83E-05	7.2102E-05	1.97386E-05	5.91293E-05	4.38455E-05	**2712**	7.07016E-05
6.1953E-05	6.55909E-05	1.59098E-05	5.33706E-05	4.49879E-05	6.06941E-05	6.41523E-05	1.65237E-05	5.33706E-05	4.37133E-05	**2713**	6.169E-05
6.01421E-05	6.3728E-05	1.47565E-05	5.30642E-05	4.55836E-05	5.96404E-05	6.30844E-05	1.56526E-05	5.30642E-05	4.43359E-05	**2714**	5.98417E-05
6.12335E-05	6.49008E-05	1.48175E-05	5.52599E-05	4.73427E-05	6.13453E-05	6.48995E-05	1.59495E-05	5.52599E-05	4.61529E-05	**2715**	6.09719E-05
6.61153E-05	7.00778E-05	1.59632E-05	6.08253E-05	5.08572E-05	6.67932E-05	7.06649E-05	1.73421E-05	6.08253E-05	4.97609E-05	**2716**	6.58693E-05
7.26808E-05	7.70245E-05	1.7704E-05	6.66787E-05	5.45277E-05	7.33101E-05	7.75528E-05	1.91195E-05	6.66787E-05	5.35113E-05	**2717**	7.23599E-05
7.72814E-05	8.1874E-05	1.91557E-05	6.97031E-05	5.529E-05	7.73233E-05	8.17807E-05	2.0391E-05	6.97031E-05	5.42362E-05	**2718**	7.68709E-05
7.77909E-05	8.23419E-05	2.01902E-05	6.91855E-05	0.000101409	7.72054E-05	8.16018E-05	2.10525E-05	6.91855E-05	9.2846E-05	**2719**	7.73577E-05
7.1789E-05	7.5886E-05	1.99345E-05	6.60763E-05	0.000100144	7.20738E-05	7.61049E-05	2.05855E-05	6.60763E-05	9.15012E-05	**2720**	7.13953E-05
6.92652E-05	7.31979E-05	1.94897E-05	6.27379E-05	0.000100901	6.90116E-05	7.28551E-05	1.99198E-05	6.27379E-05	9.22477E-05	**2721**	6.88603E-05
6.86702E-05	7.25522E-05	1.95375E-05	6.12003E-05	0.000101276	6.79058E-05	7.16743E-05	1.97731E-05	6.12003E-05	9.26115E-05	**2722**	6.82345E-05
6.8377E-05	7.22285E-05	1.96293E-05	6.02124E-05	0.000101592	6.72392E-05	7.09594E-05	1.9723E-05	6.02124E-05	9.29225E-05	**2723**	6.7923E-05
6.66073E-05	7.03645E-05	1.90532E-05	5.87089E-05	9.48837E-05	6.55375E-05	6.91684E-05	1.91611E-05	5.87089E-05	8.74742E-05	**2724**	6.61522E-05
6.50151E-05	6.86789E-05	1.86433E-05	5.7082E-05	9.45729E-05	6.38566E-05	6.73915E-05	1.87062E-05	5.7082E-05	8.7155E-05	**2725**	6.45625E-05
6.50729E-05	6.87631E-05	1.83666E-05	5.73469E-05	9.29554E-05	6.40688E-05	6.76367E-05	1.84972E-05	5.73469E-05	8.54983E-05	**2726**	6.45622E-05
6.84505E-05	7.23553E-05	1.90275E-05	6.06897E-05	9.70698E-05	6.76217E-05	7.14082E-05	1.9258E-05	6.06897E-05	8.82851E-05	**2727**	6.78696E-05

7.40402E-05	7.82748E-05	2.04445E-05	6.58138E-05	9.37489E-05	7.32486E-05	7.73599E-05	2.07368E-05	6.58138E-05	8.48994E-05	**2728**	7.33912E-05
7.92297E-05	8.37681E-05	2.17894E-05	7.02615E-05	9.10368E-05	7.83205E-05	8.27235E-05	2.20841E-05	7.02615E-05	8.21398E-05	**2729**	7.8497E-05
8.63182E-05	9.1197E-05	2.45686E-05	7.49348E-05	8.94509E-05	8.44105E-05	8.90988E-05	2.45292E-05	7.49348E-05	8.05322E-05	**2730**	8.55914E-05
9.51179E-05	0.000100366	2.86894E-05	7.99602E-05	7.40728E-05	9.14794E-05	9.64469E-05	2.80325E-05	7.99602E-05	6.76647E-05	**2731**	9.45046E-05
9.809E-05	0.000103428	3.05316E-05	8.15231E-05	6.15032E-05	9.37203E-05	9.87409E-05	2.95948E-05	8.15231E-05	5.76922E-05	**2732**	9.76213E-05
9.46456E-05	9.97834E-05	2.96178E-05	7.75326E-05	5.28484E-05	8.98631E-05	9.46578E-05	2.86231E-05	7.75326E-05	5.02685E-05	**2733**	9.42974E-05
8.9547E-05	9.44939E-05	2.69352E-05	7.13581E-05	4.65397E-05	8.42662E-05	8.88129E-05	2.61921E-05	7.13581E-05	4.52757E-05	**2734**	8.93432E-05
7.92231E-05	8.36475E-05	2.32249E-05	6.40039E-05	4.55322E-05	7.50747E-05	7.91643E-05	2.28398E-05	6.40039E-05	4.42521E-05	**2735**	7.90495E-05
7.09645E-05	7.50229E-05	1.95992E-05	5.916E-05	4.50749E-05	6.83356E-05	7.21398E-05	1.97461E-05	5.916E-05	4.37942E-05	**2736**	7.07365E-05
6.1953E-05	6.55909E-05	1.59098E-05	5.33706E-05	4.49879E-05	6.06941E-05	6.41523E-05	1.65237E-05	5.33706E-05	4.37133E-05	**2737**	6.169E-05
6.01421E-05	6.3728E-05	1.47565E-05	5.30642E-05	4.55836E-05	5.96404E-05	6.30844E-05	1.56526E-05	5.30642E-05	4.43359E-05	**2738**	5.98417E-05
6.12335E-05	6.49008E-05	1.48175E-05	5.52599E-05	4.73427E-05	6.13453E-05	6.48995E-05	1.59495E-05	5.52599E-05	4.61529E-05	**2739**	6.09719E-05
6.61153E-05	7.00778E-05	1.59632E-05	6.08253E-05	5.08572E-05	6.67932E-05	7.06649E-05	1.73421E-05	6.08253E-05	4.97609E-05	**2740**	6.58693E-05
7.26808E-05	7.70245E-05	1.7704E-05	6.66787E-05	5.45277E-05	7.33101E-05	7.75528E-05	1.91195E-05	6.66787E-05	5.35113E-05	**2741**	7.23599E-05
7.72814E-05	8.1874E-05	1.91557E-05	6.97031E-05	5.529E-05	7.73233E-05	8.17807E-05	2.0391E-05	6.97031E-05	5.42362E-05	**2742**	7.68709E-05
7.77909E-05	8.23419E-05	2.01902E-05	6.91855E-05	0.000101409	7.72054E-05	8.16018E-05	2.10525E-05	6.91855E-05	9.2846E-05	**2743**	7.73577E-05
7.1789E-05	7.5886E-05	1.99345E-05	6.60763E-05	0.000100144	7.20738E-05	7.61049E-05	2.05855E-05	6.60763E-05	9.15012E-05	**2744**	7.13953E-05
6.92652E-05	7.31979E-05	1.94897E-05	6.27379E-05	0.000100901	6.90116E-05	7.28551E-05	1.99198E-05	6.27379E-05	9.22477E-05	**2745**	6.88603E-05
6.86702E-05	7.25522E-05	1.95375E-05	6.12003E-05	0.000101276	6.79058E-05	7.16743E-05	1.97731E-05	6.12003E-05	9.26115E-05	**2746**	6.82345E-05
6.8377E-05	7.22285E-05	1.96293E-05	6.02124E-05	0.000101592	6.72392E-05	7.09594E-05	1.9723E-05	6.02124E-05	9.29225E-05	**2747**	6.7923E-05
6.66073E-05	7.03645E-05	1.90532E-05	5.87089E-05	9.48837E-05	6.55375E-05	6.91684E-05	1.91611E-05	5.87089E-05	8.74742E-05	**2748**	6.61522E-05
6.50151E-05	6.86789E-05	1.86433E-05	5.7082E-05	9.45729E-05	6.38566E-05	6.73915E-05	1.87062E-05	5.7082E-05	8.7155E-05	**2749**	6.45625E-05
6.50729E-05	6.87631E-05	1.83666E-05	5.73469E-05	9.29554E-05	6.40688E-05	6.76367E-05	1.84972E-05	5.73469E-05	8.54983E-05	**2750**	6.45622E-05
6.84505E-05	7.23553E-05	1.90275E-05	6.06897E-05	9.70698E-05	6.76217E-05	7.14082E-05	1.9258E-05	6.06897E-05	8.82851E-05	**2751**	6.78696E-05
7.40402E-05	7.82748E-05	2.04445E-05	6.58138E-05	9.37489E-05	7.32486E-05	7.73599E-05	2.07368E-05	6.58138E-05	8.48994E-05	**2752**	7.33912E-05
7.92297E-05	8.37681E-05	2.17894E-05	7.02615E-05	9.10368E-05	7.83205E-05	8.27235E-05	2.20841E-05	7.02615E-05	8.21398E-05	**2753**	7.8497E-05
8.63182E-05	9.1197E-05	2.45686E-05	7.49348E-05	8.94509E-05	8.44105E-05	8.90988E-05	2.45292E-05	7.49348E-05	8.05322E-05	**2754**	8.55914E-05
9.51179E-05	0.000100366	2.86894E-05	7.99602E-05	7.40728E-05	9.14794E-05	9.64469E-05	2.80325E-05	7.99602E-05	6.76647E-05	**2755**	9.45046E-05
9.809E-05	0.000103428	3.05316E-05	8.15231E-05	6.15032E-05	9.37203E-05	9.87409E-05	2.95948E-05	8.15231E-05	5.76922E-05	**2756**	9.76213E-05
9.46456E-05	9.97834E-05	2.96178E-05	7.75326E-05	5.28484E-05	8.98631E-05	9.46578E-05	2.86231E-05	7.75326E-05	5.02685E-05	**2757**	9.42974E-05
8.9547E-05	9.44939E-05	2.69352E-05	7.13581E-05	4.65397E-05	8.42662E-05	8.88129E-05	2.61921E-05	7.13581E-05	4.52757E-05	**2758**	8.93432E-05
7.92231E-05	8.36475E-05	2.32249E-05	6.40039E-05	4.55322E-05	7.50747E-05	7.91643E-05	2.28398E-05	6.40039E-05	4.42521E-05	**2759**	7.90495E-05
7.09645E-05	7.50229E-05	1.95992E-05	5.916E-05	4.50749E-05	6.83356E-05	7.21398E-05	1.97461E-05	5.916E-05	4.37942E-05	**2760**	7.07365E-05
6.22578E-05	6.59125E-05	1.60018E-05	5.37886E-05	4.49734E-05	6.10639E-05	6.45419E-05	1.66407E-05	5.37886E-05	4.37005E-05	**2761**	6.20076E-05
6.0418E-05	6.40189E-05	1.48428E-05	5.34581E-05	4.55619E-05	5.9982E-05	6.3444E-05	1.57638E-05	5.34581E-05	4.43163E-05	**2762**	6.01314E-05
6.14599E-05	6.51393E-05	1.4892E-05	5.56022E-05	4.73271E-05	6.1634E-05	6.52031E-05	1.60473E-05	5.56022E-05	4.61391E-05	**2763**	6.12124E-05
6.63285E-05	7.03013E-05	1.60453E-05	6.12092E-05	5.08381E-05	6.7092E-05	7.09782E-05	1.74551E-05	6.12092E-05	4.97419E-05	**2764**	6.61044E-05
7.27935E-05	7.71416E-05	1.77611E-05	6.6953E-05	5.44706E-05	7.34993E-05	7.77503E-05	1.92034E-05	6.6953E-05	5.34538E-05	**2765**	7.24943E-05
7.7407E-05	8.20051E-05	1.92099E-05	6.996E-05	5.52011E-05	7.75128E-05	8.1979E-05	2.04681E-05	6.996E-05	5.41468E-05	**2766**	7.70137E-05
7.64871E-05	8.09361E-05	2.01787E-05	6.92761E-05	0.000101334	7.64469E-05	8.07833E-05	2.10608E-05	6.92761E-05	9.27707E-05	**2767**	7.60611E-05
7.20522E-05	7.6164E-05	2.00102E-05	6.6418E-05	0.000100007	7.23847E-05	7.64328E-05	2.06801E-05	6.6418E-05	9.13635E-05	**2768**	7.16669E-05
6.95657E-05	7.35154E-05	1.95765E-05	6.31301E-05	0.000100677	6.93674E-05	7.32303E-05	2.00283E-05	6.31301E-05	9.20223E-05	**2769**	6.91706E-05
6.89023E-05	7.27972E-05	1.9605E-05	6.15054E-05	0.000101038	6.81816E-05	7.1965E-05	1.98577E-05	6.15054E-05	9.23726E-05	**2770**	6.84744E-05
6.86021E-05	7.24663E-05	1.96943E-05	6.05058E-05	0.000101331	6.75057E-05	7.12403E-05	1.98042E-05	6.05058E-05	9.26601E-05	**2771**	6.81555E-05
6.67716E-05	7.05377E-05	1.91059E-05	5.89501E-05	9.4729E-05	6.57438E-05	6.93856E-05	1.92296E-05	5.89501E-05	8.73211E-05	**2772**	6.63257E-05
6.51709E-05	6.8843E-05	1.86948E-05	5.73189E-05	9.443E-05	6.40558E-05	6.7601E-05	1.87739E-05	5.73189E-05	8.70131E-05	**2773**	6.47282E-05
6.51811E-05	6.88769E-05	1.84041E-05	5.75203E-05	9.28217E-05	6.4211E-05	6.77862E-05	1.85472E-05	5.75203E-05	8.53653E-05	**2774**	6.46785E-05
6.86113E-05	7.25252E-05	1.90746E-05	6.09028E-05	9.6971E-05	6.78135E-05	7.16105E-05	1.93172E-05	6.09028E-05	8.8187E-05	**2775**	6.80361E-05
7.41337E-05	7.83732E-05	2.04757E-05	6.59571E-05	9.37018E-05	7.33687E-05	7.74861E-05	2.07778E-05	6.59571E-05	8.48521E-05	**2776**	7.34908E-05
7.91469E-05	8.36809E-05	2.1762E-05	7.01353E-05	9.10321E-05	7.82145E-05	8.26119E-05	2.2048E-05	7.01353E-05	8.21355E-05	**2777**	7.84089E-05
8.62502E-05	9.11254E-05	2.45462E-05	7.48316E-05	8.94573E-05	8.43237E-05	8.90074E-05	2.44997E-05	7.48316E-05	8.05395E-05	**2778**	8.55192E-05
9.50688E-05	0.000100314	2.86815E-05	7.9929E-05	7.40967E-05	9.14357E-05	9.64003E-05	2.80259E-05	7.9929E-05	6.7689E-05	**2779**	9.44585E-05
9.80301E-05	0.000103363	3.05314E-05	8.15335E-05	6.15062E-05	9.36882E-05	9.87056E-05	2.96032E-05	8.15335E-05	5.76938E-05	**2780**	9.75721E-05
9.61187E-05	0.000101367	2.96892E-05	7.77194E-05	5.28841E-05	9.08469E-05	9.57129E-05	2.86951E-05	7.77194E-05	5.03033E-05	**2781**	9.5777E-05
8.95387E-05	9.44846E-05	2.69397E-05	7.13829E-05	4.6569E-05	8.42719E-05	8.88184E-05	2.62012E-05	7.13829E-05	4.53041E-05	**2782**	8.93397E-05
7.91682E-05	8.3589E-05	2.32162E-05	6.39696E-05	4.55648E-05	7.50261E-05	7.91125E-05	2.28326E-05	6.39696E-05	4.42838E-05	**2783**	7.89981E-05
7.09285E-05	7.49846E-05	1.9592E-05	5.91293E-05	4.51267E-05	6.83E-05	7.2102E-05	1.97386E-05	5.91293E-05	4.38455E-05	**2784**	7.07016E-05
6.22578E-05	6.59125E-05	1.60018E-05	5.37886E-05	4.49734E-05	6.10639E-05	6.45419E-05	1.66407E-05	5.37886E-05	4.37005E-05	**2785**	6.20076E-05
6.0418E-05	6.40189E-05	1.48428E-05	5.34581E-05	4.55619E-05	5.9982E-05	6.3444E-05	1.57638E-05	5.34581E-05	4.43163E-05	**2786**	6.01314E-05
6.14599E-05	6.51393E-05	1.4892E-05	5.56022E-05	4.73271E-05	6.1634E-05	6.52031E-05	1.60473E-05	5.56022E-05	4.61391E-05	**2787**	6.12124E-05
6.63285E-05	7.03013E-05	1.60453E-05	6.12092E-05	5.08381E-05	6.7092E-05	7.09782E-05	1.74551E-05	6.12092E-05	4.97419E-05	**2788**	6.61044E-05
7.27935E-05	7.71416E-05	1.77611E-05	6.6953E-05	5.44706E-05	7.34993E-05	7.77503E-05	1.92034E-05	6.6953E-05	5.34538E-05	**2789**	7.24943E-05
7.7407E-05	8.20051E-05	1.92099E-05	6.996E-05	5.52011E-05	7.75128E-05	8.1979E-05	2.04681E-05	6.996E-05	5.41468E-05	**2790**	7.70137E-05
7.64871E-05	8.09361E-05	2.01787E-05	6.92761E-05	0.000101334	7.64469E-05	8.07833E-05	2.10608E-05	6.92761E-05	9.27707E-05	**2791**	7.60611E-05
7.20522E-05	7.6164E-05	2.00102E-05	6.6418E-05	0.000100007	7.23847E-05	7.64328E-05	2.06801E-05	6.6418E-05	9.13635E-05	**2792**	7.16669E-05
6.95657E-05	7.35154E-05	1.95765E-05	6.31301E-05	0.000100677	6.93674E-05	7.32303E-05	2.00283E-05	6.31301E-05	9.20223E-05	**2793**	6.91706E-05
6.89023E-05	7.27972E-05	1.9605E-05	6.15054E-05	0.000101038	6.81816E-05	7.1965E-05	1.98577E-05	6.15054E-05	9.23726E-05	**2794**	6.84744E-05
6.86021E-05	7.24663E-05	1.96943E-05	6.05058E-05	0.000101331	6.75057E-05	7.12403E-05	1.98042E-05	6.05058E-05	9.26601E-05	**2795**	6.81555E-05
6.67716E-05	7.05377E-05	1.91059E-05	5.89501E-05	9.4729E-05	6.57438E-05	6.93856E-05	1.92296E-05	5.89501E-05	8.73211E-05	**2796**	6.63257E-05
6.51709E-05	6.8843E-05	1.86948E-05	5.73189E-05	9.443E-05	6.40558E-05	6.7601E-05	1.87739E-05	5.73189E-05	8.70131E-05	**2797**	6.47282E-05
6.51811E-05	6.88769E-05	1.84041E-05	5.75203E-05	9.28217E-05	6.4211E-05	6.77862E-05	1.85472E-05	5.75203E-05	8.53653E-05	**2798**	6.46785E-05
6.86113E-05	7.25252E-05	1.90746E-05	6.09028E-05	9.6971E-05	6.78135E-05	7.16105E-05	1.93172E-05	6.09028E-05	8.8187E-05	**2799**	6.80361E-05
7.41337E-05	7.83732E-05	2.04757E-05	6.59571E-05	9.37018E-05	7.33687E-05	7.74861E-05	2.07778E-05	6.59571E-05	8.48521E-05	**2800**	7.34908E-05
7.91469E-05	8.36809E-05	2.1762E-05	7.01353E-05	9.10321E-05	7.82145E-05	8.26119E-05	2.2048E-05	7.01353E-05	8.21355E-05	**2801**	7.84089E-05
8.62502E-05	9.11254E-05	2.45462E-05	7.48316E-05	8.94573E-05	8.43237E-05	8.90074E-05	2.44997E-05	7.48316E-05	8.05395E-05	**2802**	8.55192E-05
9.50688E-05	0.000100314	2.86815E-05	7.9929E-05	7.40967E-05	9.14357E-05	9.64003E-05	2.80259E-05	7.9929E-05	6.7689E-05	**2803**	9.44585E-05

9.80301E-05	0.000103363	3.05314E-05	8.15335E-05	6.15062E-05	9.36882E-05	9.87056E-05	2.96032E-05	8.15335E-05	5.76938E-05	**2804**	9.75721E-05
9.61187E-05	0.000101367	2.96892E-05	7.77194E-05	5.28841E-05	9.08469E-05	9.57129E-05	2.86951E-05	7.77194E-05	5.03033E-05	**2805**	9.5777E-05
8.95387E-05	9.44846E-05	2.69397E-05	7.13829E-05	4.6569E-05	8.42719E-05	8.88184E-05	2.62012E-05	7.13829E-05	4.53041E-05	**2806**	8.93397E-05
7.91682E-05	8.3589E-05	2.32162E-05	6.39696E-05	4.55648E-05	7.50261E-05	7.91125E-05	2.28326E-05	6.39696E-05	4.42838E-05	**2807**	7.89981E-05
7.09285E-05	7.49846E-05	1.9592E-05	5.91293E-05	4.51267E-05	6.83E-05	7.2102E-05	1.97386E-05	5.91293E-05	4.38455E-05	**2808**	7.07016E-05
6.22578E-05	6.59125E-05	1.60018E-05	5.37886E-05	4.49734E-05	6.10639E-05	6.45419E-05	1.66407E-05	5.37886E-05	4.37005E-05	**2809**	6.20076E-05
6.0418E-05	6.40189E-05	1.48428E-05	5.34581E-05	4.55619E-05	5.9982E-05	6.3444E-05	1.57638E-05	5.34581E-05	4.43163E-05	**2810**	6.01314E-05
6.14599E-05	6.51393E-05	1.4892E-05	5.56022E-05	4.73271E-05	6.1634E-05	6.52031E-05	1.60473E-05	5.56022E-05	4.61391E-05	**2811**	6.12124E-05
6.63285E-05	7.03013E-05	1.60453E-05	6.12092E-05	5.08381E-05	6.7092E-05	7.09782E-05	1.74551E-05	6.12092E-05	4.97419E-05	**2812**	6.61044E-05
7.27935E-05	7.71416E-05	1.77611E-05	6.6953E-05	5.44706E-05	7.34993E-05	7.77503E-05	1.92034E-05	6.6953E-05	5.34538E-05	**2813**	7.24943E-05
7.7407E-05	8.20051E-05	1.92099E-05	6.996E-05	5.52011E-05	7.75128E-05	8.1979E-05	2.04681E-05	6.996E-05	5.41468E-05	**2814**	7.70137E-05
7.64871E-05	8.09361E-05	2.01787E-05	6.92761E-05	0.000101334	7.64469E-05	8.07833E-05	2.10608E-05	6.92761E-05	9.27707E-05	**2815**	7.60611E-05
7.20522E-05	7.6164E-05	2.00102E-05	6.6418E-05	0.000100007	7.23847E-05	7.64328E-05	2.06801E-05	6.6418E-05	9.13635E-05	**2816**	7.16669E-05
6.95657E-05	7.35154E-05	1.95765E-05	6.31301E-05	0.000100677	6.93674E-05	7.32303E-05	2.00283E-05	6.31301E-05	9.20223E-05	**2817**	6.91706E-05
6.89023E-05	7.27972E-05	1.9605E-05	6.15054E-05	0.000101038	6.81816E-05	7.1965E-05	1.98577E-05	6.15054E-05	9.23726E-05	**2818**	6.84744E-05
6.86021E-05	7.24663E-05	1.96943E-05	6.05058E-05	0.000101331	6.75057E-05	7.12403E-05	1.98042E-05	6.05058E-05	9.26601E-05	**2819**	6.81555E-05
6.67716E-05	7.05377E-05	1.91059E-05	5.89501E-05	9.4729E-05	6.57438E-05	6.93856E-05	1.92296E-05	5.89501E-05	8.73211E-05	**2820**	6.63257E-05
6.51709E-05	6.8843E-05	1.86948E-05	5.73189E-05	9.443E-05	6.40558E-05	6.7601E-05	1.87739E-05	5.73189E-05	8.70131E-05	**2821**	6.47282E-05
6.51811E-05	6.88769E-05	1.84041E-05	5.75203E-05	9.28217E-05	6.4211E-05	6.77862E-05	1.85472E-05	5.75203E-05	8.53653E-05	**2822**	6.46785E-05
6.86113E-05	7.25252E-05	1.90746E-05	6.09028E-05	9.6971E-05	6.78135E-05	7.16105E-05	1.93172E-05	6.09028E-05	8.8187E-05	**2823**	6.80361E-05
7.41337E-05	7.83732E-05	2.04757E-05	6.59571E-05	9.37018E-05	7.33687E-05	7.74861E-05	2.07778E-05	6.59571E-05	8.48521E-05	**2824**	7.34908E-05
7.91469E-05	8.36809E-05	2.1762E-05	7.01353E-05	9.10321E-05	7.82145E-05	8.26119E-05	2.2048E-05	7.01353E-05	8.21355E-05	**2825**	7.84089E-05
8.62502E-05	9.11254E-05	2.45462E-05	7.48316E-05	8.94573E-05	8.43237E-05	8.90074E-05	2.44997E-05	7.48316E-05	8.05395E-05	**2826**	8.55192E-05
9.50688E-05	0.000100314	2.86815E-05	7.9929E-05	7.40967E-05	9.14357E-05	9.64003E-05	2.80259E-05	7.9929E-05	6.7689E-05	**2827**	9.44585E-05
9.80301E-05	0.000103363	3.05314E-05	8.15335E-05	6.15062E-05	9.36882E-05	9.87056E-05	2.96032E-05	8.15335E-05	5.76938E-05	**2828**	9.75721E-05
9.61187E-05	0.000101367	2.96892E-05	7.77194E-05	5.28841E-05	9.08469E-05	9.57129E-05	2.86951E-05	7.77194E-05	5.03033E-05	**2829**	9.5777E-05
8.95387E-05	9.44846E-05	2.69397E-05	7.13829E-05	4.6569E-05	8.42719E-05	8.88184E-05	2.62012E-05	7.13829E-05	4.53041E-05	**2830**	8.93397E-05
7.91682E-05	8.3589E-05	2.32162E-05	6.39696E-05	4.55648E-05	7.50261E-05	7.91125E-05	2.28326E-05	6.39696E-05	4.42838E-05	**2831**	7.89981E-05
7.09285E-05	7.49846E-05	1.9592E-05	5.91293E-05	4.51267E-05	6.83E-05	7.2102E-05	1.97386E-05	5.91293E-05	4.38455E-05	**2832**	7.07016E-05
6.22578E-05	6.59125E-05	1.60018E-05	5.37886E-05	4.49734E-05	6.10639E-05	6.45419E-05	1.66407E-05	5.37886E-05	4.37005E-05	**2833**	6.20076E-05
6.0418E-05	6.40189E-05	1.48428E-05	5.34581E-05	4.55619E-05	5.9982E-05	6.3444E-05	1.57638E-05	5.34581E-05	4.43163E-05	**2834**	6.01314E-05
6.14599E-05	6.51393E-05	1.4892E-05	5.56022E-05	4.73271E-05	6.1634E-05	6.52031E-05	1.60473E-05	5.56022E-05	4.61391E-05	**2835**	6.12124E-05
6.63285E-05	7.03013E-05	1.60453E-05	6.12092E-05	5.08381E-05	6.7092E-05	7.09782E-05	1.74551E-05	6.12092E-05	4.97419E-05	**2836**	6.61044E-05
7.27935E-05	7.71416E-05	1.77611E-05	6.6953E-05	5.44706E-05	7.34993E-05	7.77503E-05	1.92034E-05	6.6953E-05	5.34538E-05	**2837**	7.24943E-05
7.7407E-05	8.20051E-05	1.92099E-05	6.996E-05	5.52011E-05	7.75128E-05	8.1979E-05	2.04681E-05	6.996E-05	5.41468E-05	**2838**	7.70137E-05
7.64871E-05	8.09361E-05	2.01787E-05	6.92761E-05	0.000101334	7.64469E-05	8.07833E-05	2.10608E-05	6.92761E-05	9.27707E-05	**2839**	7.60611E-05
7.20522E-05	7.6164E-05	2.00102E-05	6.6418E-05	0.000100007	7.23847E-05	7.64328E-05	2.06801E-05	6.6418E-05	9.13635E-05	**2840**	7.16669E-05
6.95657E-05	7.35154E-05	1.95765E-05	6.31301E-05	0.000100677	6.93674E-05	7.32303E-05	2.00283E-05	6.31301E-05	9.20223E-05	**2841**	6.91706E-05
6.89023E-05	7.27972E-05	1.9605E-05	6.15054E-05	0.000101038	6.81816E-05	7.1965E-05	1.98577E-05	6.15054E-05	9.23726E-05	**2842**	6.84744E-05
6.86021E-05	7.24663E-05	1.96943E-05	6.05058E-05	0.000101331	6.75057E-05	7.12403E-05	1.98042E-05	6.05058E-05	9.26601E-05	**2843**	6.81555E-05
6.67716E-05	7.05377E-05	1.91059E-05	5.89501E-05	9.4729E-05	6.57438E-05	6.93856E-05	1.92296E-05	5.89501E-05	8.73211E-05	**2844**	6.63257E-05
6.51709E-05	6.8843E-05	1.86948E-05	5.73189E-05	9.443E-05	6.40558E-05	6.7601E-05	1.87739E-05	5.73189E-05	8.70131E-05	**2845**	6.47282E-05
6.51811E-05	6.88769E-05	1.84041E-05	5.75203E-05	9.28217E-05	6.4211E-05	6.77862E-05	1.85472E-05	5.75203E-05	8.53653E-05	**2846**	6.46785E-05
6.86113E-05	7.25252E-05	1.90746E-05	6.09028E-05	9.6971E-05	6.78135E-05	7.16105E-05	1.93172E-05	6.09028E-05	8.8187E-05	**2847**	6.80361E-05
7.41337E-05	7.83732E-05	2.04757E-05	6.59571E-05	9.37018E-05	7.33687E-05	7.74861E-05	2.07778E-05	6.59571E-05	8.48521E-05	**2848**	7.34908E-05
7.91469E-05	8.36809E-05	2.1762E-05	7.01353E-05	9.10321E-05	7.82145E-05	8.26119E-05	2.2048E-05	7.01353E-05	8.21355E-05	**2849**	7.84089E-05
8.62502E-05	9.11254E-05	2.45462E-05	7.48316E-05	8.94573E-05	8.43237E-05	8.90074E-05	2.44997E-05	7.48316E-05	8.05395E-05	**2850**	8.55192E-05
9.50688E-05	0.000100314	2.86815E-05	7.9929E-05	7.40967E-05	9.14357E-05	9.64003E-05	2.80259E-05	7.9929E-05	6.7689E-05	**2851**	9.44585E-05
9.80301E-05	0.000103363	3.05314E-05	8.15335E-05	6.15062E-05	9.36882E-05	9.87056E-05	2.96032E-05	8.15335E-05	5.76938E-05	**2852**	9.75721E-05
9.61187E-05	0.000101367	2.96892E-05	7.77194E-05	5.28841E-05	9.08469E-05	9.57129E-05	2.86951E-05	7.77194E-05	5.03033E-05	**2853**	9.5777E-05
8.95387E-05	9.44846E-05	2.69397E-05	7.13829E-05	4.6569E-05	8.42719E-05	8.88184E-05	2.62012E-05	7.13829E-05	4.53041E-05	**2854**	8.93397E-05
7.91682E-05	8.3589E-05	2.32162E-05	6.39696E-05	4.55648E-05	7.50261E-05	7.91125E-05	2.28326E-05	6.39696E-05	4.42838E-05	**2855**	7.89981E-05
7.09285E-05	7.49846E-05	1.9592E-05	5.91293E-05	4.51267E-05	6.83E-05	7.2102E-05	1.97386E-05	5.91293E-05	4.38455E-05	**2856**	7.07016E-05
6.22578E-05	6.59125E-05	1.60018E-05	5.37886E-05	4.49734E-05	6.10639E-05	6.45419E-05	1.66407E-05	5.37886E-05	4.37005E-05	**2857**	6.20076E-05
6.0418E-05	6.40189E-05	1.48428E-05	5.34581E-05	4.55619E-05	5.9982E-05	6.3444E-05	1.57638E-05	5.34581E-05	4.43163E-05	**2858**	6.01314E-05
6.14599E-05	6.51393E-05	1.4892E-05	5.56022E-05	4.73271E-05	6.1634E-05	6.52031E-05	1.60473E-05	5.56022E-05	4.61391E-05	**2859**	6.12124E-05
6.63285E-05	7.03013E-05	1.60453E-05	6.12092E-05	5.08381E-05	6.7092E-05	7.09782E-05	1.74551E-05	6.12092E-05	4.97419E-05	**2860**	6.61044E-05
7.27935E-05	7.71416E-05	1.77611E-05	6.6953E-05	5.44706E-05	7.34993E-05	7.77503E-05	1.92034E-05	6.6953E-05	5.34538E-05	**2861**	7.24943E-05
7.7407E-05	8.20051E-05	1.92099E-05	6.996E-05	5.52011E-05	7.75128E-05	8.1979E-05	2.04681E-05	6.996E-05	5.41468E-05	**2862**	7.70137E-05
7.64871E-05	8.09361E-05	2.01787E-05	6.92761E-05	0.000101334	7.64469E-05	8.07833E-05	2.10608E-05	6.92761E-05	9.27707E-05	**2863**	7.60611E-05
7.20522E-05	7.6164E-05	2.00102E-05	6.6418E-05	0.000100007	7.23847E-05	7.64328E-05	2.06801E-05	6.6418E-05	9.13635E-05	**2864**	7.16669E-05
6.95657E-05	7.35154E-05	1.95765E-05	6.31301E-05	0.000100677	6.93674E-05	7.32303E-05	2.00283E-05	6.31301E-05	9.20223E-05	**2865**	6.91706E-05
6.89023E-05	7.27972E-05	1.9605E-05	6.15054E-05	0.000101038	6.81816E-05	7.1965E-05	1.98577E-05	6.15054E-05	9.23726E-05	**2866**	6.84744E-05
6.86021E-05	7.24663E-05	1.96943E-05	6.05058E-05	0.000101331	6.75057E-05	7.12403E-05	1.98042E-05	6.05058E-05	9.26601E-05	**2867**	6.81555E-05
6.67716E-05	7.05377E-05	1.91059E-05	5.89501E-05	9.4729E-05	6.57438E-05	6.93856E-05	1.92296E-05	5.89501E-05	8.73211E-05	**2868**	6.63257E-05
6.51709E-05	6.8843E-05	1.86948E-05	5.73189E-05	9.443E-05	6.40558E-05	6.7601E-05	1.87739E-05	5.73189E-05	8.70131E-05	**2869**	6.47282E-05
6.51811E-05	6.88769E-05	1.84041E-05	5.75203E-05	9.28217E-05	6.4211E-05	6.77862E-05	1.85472E-05	5.75203E-05	8.53653E-05	**2870**	6.46785E-05
6.86113E-05	7.25252E-05	1.90746E-05	6.09028E-05	9.6971E-05	6.78135E-05	7.16105E-05	1.93172E-05	6.09028E-05	8.8187E-05	**2871**	6.80361E-05
7.41337E-05	7.83732E-05	2.04757E-05	6.59571E-05	9.37018E-05	7.33687E-05	7.74861E-05	2.07778E-05	6.59571E-05	8.48521E-05	**2872**	7.34908E-05
7.91469E-05	8.36809E-05	2.1762E-05	7.01353E-05	9.10321E-05	7.82145E-05	8.26119E-05	2.2048E-05	7.01353E-05	8.21355E-05	**2873**	7.84089E-05
8.62502E-05	9.11254E-05	2.45462E-05	7.48316E-05	8.94573E-05	8.43237E-05	8.90074E-05	2.44997E-05	7.48316E-05	8.05395E-05	**2874**	8.55192E-05
9.50688E-05	0.000100314	2.86815E-05	7.9929E-05	7.40967E-05	9.14357E-05	9.64003E-05	2.80259E-05	7.9929E-05	6.7689E-05	**2875**	9.44585E-05
9.80301E-05	0.000103363	3.05314E-05	8.15335E-05	6.15062E-05	9.36882E-05	9.87056E-05	2.96032E-05	8.15335E-05	5.76938E-05	**2876**	9.75721E-05
9.61187E-05	0.000101367	2.96892E-05	7.77194E-05	5.28841E-05	9.08469E-05	9.57129E-05	2.86951E-05	7.77194E-05	5.03033E-05	**2877**	9.5777E-05
8.95387E-05	9.44846E-05	2.69397E-05	7.13829E-05	4.6569E-05	8.42719E-05	8.88184E-05	2.62012E-05	7.13829E-05	4.53041E-05	**2878**	8.93397E-05
7.91682E-05	8.3589E-05	2.32162E-05	6.39696E-05	4.55648E-05	7.50261E-05	7.91125E-05	2.28326E-05	6.39696E-05	4.42838E-05	**2879**	7.89981E-05

7.09285E-05	7.49846E-05	1.9592E-05	5.91293E-05	4.51267E-05	6.83E-05	7.2102E-05	1.97386E-05	5.91293E-05	4.38455E-05	**2880**	7.07016E-05
6.1953E-05	6.55909E-05	1.59098E-05	5.33706E-05	4.49879E-05	6.06941E-05	6.41523E-05	1.65237E-05	5.33706E-05	4.37133E-05	**2881**	6.169E-05
6.01421E-05	6.3728E-05	1.47565E-05	5.30642E-05	4.55836E-05	5.96404E-05	6.30844E-05	1.56526E-05	5.30642E-05	4.43359E-05	**2882**	5.98417E-05
6.12335E-05	6.49008E-05	1.48175E-05	5.52599E-05	4.73427E-05	6.13453E-05	6.48995E-05	1.59495E-05	5.52599E-05	4.61529E-05	**2883**	6.09719E-05
6.61153E-05	7.00778E-05	1.59632E-05	6.08253E-05	5.08572E-05	6.67932E-05	7.06649E-05	1.73421E-05	6.08253E-05	4.97609E-05	**2884**	6.58693E-05
7.26808E-05	7.70245E-05	1.7704E-05	6.66787E-05	5.45277E-05	7.33101E-05	7.75528E-05	1.91195E-05	6.66787E-05	5.35113E-05	**2885**	7.23599E-05
7.72814E-05	8.1874E-05	1.91557E-05	6.97031E-05	5.529E-05	7.73233E-05	8.17807E-05	2.0391E-05	6.97031E-05	5.42362E-05	**2886**	7.68709E-05
7.77909E-05	8.23419E-05	2.01902E-05	6.91855E-05	0.000101409	7.72054E-05	8.16018E-05	2.10525E-05	6.91855E-05	9.2846E-05	**2887**	7.73577E-05
7.1789E-05	7.5886E-05	1.99345E-05	6.60763E-05	0.000100144	7.20738E-05	7.61049E-05	2.05855E-05	6.60763E-05	9.15012E-05	**2888**	7.13953E-05
6.92652E-05	7.31979E-05	1.94897E-05	6.27379E-05	0.000100901	6.90116E-05	7.28551E-05	1.99198E-05	6.27379E-05	9.22477E-05	**2889**	6.88603E-05
6.86702E-05	7.25522E-05	1.95375E-05	6.12003E-05	0.000101276	6.79058E-05	7.16743E-05	1.97731E-05	6.12003E-05	9.26115E-05	**2890**	6.82345E-05
6.8377E-05	7.22285E-05	1.96293E-05	6.02124E-05	0.000101592	6.72392E-05	7.09594E-05	1.9723E-05	6.02124E-05	9.29225E-05	**2891**	6.7923E-05
6.66073E-05	7.03645E-05	1.90532E-05	5.87089E-05	9.48837E-05	6.55375E-05	6.91684E-05	1.91611E-05	5.87089E-05	8.74742E-05	**2892**	6.61522E-05
6.50151E-05	6.86789E-05	1.86433E-05	5.7082E-05	9.45729E-05	6.38566E-05	6.73915E-05	1.87062E-05	5.7082E-05	8.7155E-05	**2893**	6.45625E-05
6.50729E-05	6.87631E-05	1.83666E-05	5.73469E-05	9.29554E-05	6.40688E-05	6.76367E-05	1.84972E-05	5.73469E-05	8.54983E-05	**2894**	6.45622E-05
6.84505E-05	7.23553E-05	1.90275E-05	6.06897E-05	9.70698E-05	6.76217E-05	7.14082E-05	1.9258E-05	6.06897E-05	8.82851E-05	**2895**	6.78696E-05
7.40402E-05	7.82748E-05	2.04445E-05	6.58138E-05	9.37489E-05	7.32486E-05	7.73599E-05	2.07368E-05	6.58138E-05	8.48994E-05	**2896**	7.33912E-05
7.92297E-05	8.37681E-05	2.17894E-05	7.02615E-05	9.10368E-05	7.83205E-05	8.27235E-05	2.20841E-05	7.02615E-05	8.21398E-05	**2897**	7.8497E-05
8.63182E-05	9.1197E-05	2.45686E-05	7.49348E-05	8.94509E-05	8.44105E-05	8.90988E-05	2.45292E-05	7.49348E-05	8.05322E-05	**2898**	8.55914E-05
9.51179E-05	0.000100366	2.86894E-05	7.99602E-05	7.40728E-05	9.14794E-05	9.64469E-05	2.80325E-05	7.99602E-05	6.76647E-05	**2899**	9.45046E-05
9.809E-05	0.000103428	3.05316E-05	8.15231E-05	6.15032E-05	9.37203E-05	9.87409E-05	2.95948E-05	8.15231E-05	5.76922E-05	**2900**	9.76213E-05
9.46456E-05	9.97834E-05	2.96178E-05	7.75326E-05	5.28484E-05	8.98631E-05	9.46578E-05	2.86231E-05	7.75326E-05	5.02685E-05	**2901**	9.42974E-05
8.9547E-05	9.44939E-05	2.69352E-05	7.13581E-05	4.65397E-05	8.42662E-05	8.88129E-05	2.61921E-05	7.13581E-05	4.52757E-05	**2902**	8.93432E-05
7.92231E-05	8.36475E-05	2.32249E-05	6.40039E-05	4.55322E-05	7.50747E-05	7.91643E-05	2.28398E-05	6.40039E-05	4.42521E-05	**2903**	7.90495E-05
7.09645E-05	7.50229E-05	1.95992E-05	5.916E-05	4.50749E-05	6.83356E-05	7.21398E-05	1.97461E-05	5.916E-05	4.37942E-05	**2904**	7.07365E-05
6.13257E-05	6.49561E-05	1.53776E-05	5.07324E-05	0.000104705	5.91537E-05	6.25575E-05	1.56792E-05	5.07324E-05	0.000111261	**2905**	6.07861E-05
5.74826E-05	6.09407E-05	1.37153E-05	4.81799E-05	0.000108586	5.58716E-05	5.91333E-05	1.42116E-05	4.81799E-05	0.000115615	**2906**	5.68969E-05
5.84566E-05	6.19932E-05	1.36946E-05	4.99751E-05	0.000116555	5.7329E-05	6.06915E-05	1.43821E-05	4.99751E-05	0.000124481	**2907**	5.78708E-05
6.18313E-05	6.55696E-05	1.45175E-05	5.4158E-05	0.00012791	6.12485E-05	6.48359E-05	1.54286E-05	5.4158E-05	0.000137076	**2908**	6.12952E-05
6.67194E-05	7.07257E-05	1.60131E-05	5.90653E-05	0.000140678	6.6324E-05	7.0184E-05	1.7022E-05	5.90653E-05	0.000151208	**2909**	6.62302E-05
7.17794E-05	7.60587E-05	1.76175E-05	6.27921E-05	0.000151668	7.09264E-05	7.50314E-05	1.84946E-05	6.27921E-05	0.000163529	**2910**	7.12303E-05
7.39847E-05	7.83355E-05	1.89193E-05	6.33323E-05	0.000208132	7.23101E-05	7.64544E-05	1.93765E-05	6.33323E-05	0.000213767	**2911**	7.33044E-05
7.0312E-05	7.43587E-05	1.90939E-05	6.20029E-05	0.000211926	6.93842E-05	7.33036E-05	1.93233E-05	6.20029E-05	0.000218095	**2912**	6.95682E-05
7.06413E-05	7.46874E-05	1.9431E-05	6.21665E-05	0.000215036	6.96035E-05	7.35173E-05	1.96134E-05	6.21665E-05	0.000221487	**2913**	6.99477E-05
7.13956E-05	7.54647E-05	1.98951E-05	6.25256E-05	0.000215805	7.0155E-05	7.40818E-05	2.00005E-05	6.25256E-05	0.000222303	**2914**	7.07344E-05
7.19108E-05	7.60047E-05	2.00952E-05	6.19431E-05	0.000215958	7.01609E-05	7.40864E-05	2.00219E-05	6.19431E-05	0.000222443	**2915**	7.11655E-05
7.13263E-05	7.53964E-05	1.98125E-05	6.17306E-05	0.000209221	6.97505E-05	7.36612E-05	1.98014E-05	6.17306E-05	0.000216993	**2916**	7.05821E-05
7.23331E-05	7.64626E-05	2.00671E-05	6.30459E-05	0.000206326	7.09501E-05	7.49287E-05	2.01331E-05	6.30459E-05	0.000213776	**2917**	7.16123E-05
7.46014E-05	7.88884E-05	2.03423E-05	6.57441E-05	0.000197346	7.35821E-05	7.77326E-05	2.05697E-05	6.57441E-05	0.000203814	**2918**	7.38305E-05
8.08912E-05	8.55724E-05	2.16436E-05	7.18435E-05	0.000192666	8.01258E-05	8.46744E-05	2.20283E-05	7.18435E-05	0.000196588	**2919**	7.99971E-05
8.62445E-05	9.12452E-05	2.2953E-05	7.64554E-05	0.000181557	8.53834E-05	9.024E-05	2.33525E-05	7.64554E-05	0.000184307	**2920**	8.52458E-05
8.86909E-05	9.38251E-05	2.37092E-05	7.83821E-05	0.000173354	8.76713E-05	9.2651E-05	2.40681E-05	7.83821E-05	0.000175267	**2921**	8.76695E-05
9.43562E-05	9.97394E-05	2.6222E-05	8.19499E-05	0.000168819	9.24057E-05	9.75849E-05	2.62544E-05	8.19499E-05	0.000170304	**2922**	9.34013E-05
0.000101722	0.000107387	3.00132E-05	8.55439E-05	0.000152079	9.79693E-05	0.000103339	2.93889E-05	8.55439E-05	0.000155878	**2923**	0.000100896
0.000103119	0.000108784	3.14239E-05	8.51742E-05	0.000135868	9.83994E-05	0.000103721	3.04237E-05	8.51742E-05	0.000141828	**2924**	0.000102405
0.000100144	0.000105638	3.06022E-05	8.15708E-05	0.000122918	9.49987E-05	0.000100123	2.95451E-05	8.15708E-05	0.000129529	**2925**	9.95326E-05
9.44122E-05	9.96831E-05	2.77007E-05	7.43841E-05	0.000111276	8.85706E-05	9.3405E-05	2.68219E-05	7.43841E-05	0.00011849	**2926**	9.3898E-05
8.20206E-05	8.66413E-05	2.35372E-05	6.50806E-05	0.000106955	7.7259E-05	8.15089E-05	2.29768E-05	6.50806E-05	0.000113718	**2927**	8.15752E-05
7.09765E-05	7.50665E-05	1.92106E-05	5.71419E-05	0.00010455	6.74583E-05	7.12476E-05	1.906E-05	5.71419E-05	0.000111072	**2928**	7.04625E-05
6.09211E-05	6.45268E-05	1.52845E-05	5.03279E-05	0.000105617	5.87287E-05	6.21074E-05	1.5575E-05	5.03279E-05	0.000112288	**2929**	6.03858E-05
5.77332E-05	6.12074E-05	1.37617E-05	4.83721E-05	0.000107933	5.61093E-05	5.93861E-05	1.42564E-05	4.83721E-05	0.000114887	**2930**	5.71366E-05
5.83792E-05	6.19115E-05	1.36725E-05	4.98751E-05	0.000115776	5.72379E-05	6.05953E-05	1.43545E-05	4.98751E-05	0.000123613	**2931**	5.77911E-05
6.15229E-05	6.52426E-05	1.44447E-05	5.38402E-05	0.000126984	6.09205E-05	6.44886E-05	1.53459E-05	5.38402E-05	0.000136046	**2932**	6.09887E-05
6.65286E-05	7.05243E-05	1.5957E-05	5.88115E-05	0.000139329	6.6096E-05	6.99437E-05	1.69514E-05	5.88115E-05	0.000149711	**2933**	6.60325E-05
7.14748E-05	7.57365E-05	1.75363E-05	6.24304E-05	0.000149815	7.05814E-05	7.46671E-05	1.83967E-05	6.24304E-05	0.000161477	**2934**	7.09209E-05
7.22511E-05	7.6475E-05	1.87909E-05	6.29003E-05	0.000205688	7.10594E-05	7.51163E-05	1.92425E-05	6.29003E-05	0.000211062	**2935**	7.15693E-05
7.00638E-05	7.40948E-05	1.90449E-05	6.17969E-05	0.000209226	6.9142E-05	7.30463E-05	1.92736E-05	6.17969E-05	0.000215106	**2936**	6.93287E-05
7.0467E-05	7.45015E-05	1.94036E-05	6.2058E-05	0.000212338	6.94493E-05	7.33528E-05	1.95908E-05	6.2058E-05	0.000218502	**2937**	6.97846E-05
7.13421E-05	7.54081E-05	1.98794E-05	6.24549E-05	0.000213139	7.00913E-05	7.40146E-05	1.99808E-05	6.24549E-05	0.000219356	**2938**	7.0679E-05
7.19555E-05	7.6052E-05	2.01072E-05	6.19966E-05	0.000213367	7.02118E-05	7.41401E-05	2.00364E-05	6.19966E-05	0.000219583	**2939**	7.1211E-05
7.15747E-05	7.56601E-05	1.98677E-05	6.19688E-05	0.000206732	7.0007E-05	7.3933E-05	1.9862E-05	6.19688E-05	0.000214248	**2940**	7.08265E-05
7.27976E-05	7.69558E-05	2.01677E-05	6.34778E-05	0.000204116	7.14237E-05	7.54309E-05	2.02418E-05	6.34778E-05	0.000211339	**2941**	7.20672E-05
7.48255E-05	7.91273E-05	2.03796E-05	6.58946E-05	0.00019546	7.37852E-05	7.7949E-05	2.06024E-05	6.58946E-05	0.000201741	**2942**	7.40418E-05
8.05739E-05	8.52363E-05	2.15637E-05	7.14908E-05	0.000190968	7.97769E-05	8.43056E-05	2.19345E-05	7.14908E-05	0.000194724	**2943**	7.96781E-05
8.50174E-05	8.99418E-05	2.269E-05	7.53295E-05	0.000179793	8.41388E-05	8.892E-05	2.30706E-05	7.53295E-05	0.000182367	**2944**	8.40462E-05
8.74184E-05	9.2474E-05	2.34313E-05	7.71877E-05	0.000171728	8.63689E-05	9.12702E-05	2.37666E-05	7.71877E-05	0.00017348	**2945**	8.64218E-05
9.31248E-05	9.84319E-05	2.59554E-05	8.0806E-05	0.000167335	9.11506E-05	9.6254E-05	2.59667E-05	8.0806E-05	0.000168669	**2946**	9.21955E-05
0.000100589	0.000106184	2.97711E-05	8.45082E-05	0.000150392	9.68219E-05	0.000102122	2.91299E-05	8.45082E-05	0.000154015	**2947**	9.9789E-05
0.000102038	0.000107636	3.11905E-05	8.41734E-05	0.000134276	9.72988E-05	0.000102554	3.01723E-05	8.41734E-05	0.000140072	**2948**	0.000101346
0.000100654	0.0001062	3.0457E-05	8.08209E-05	0.000121358	9.49823E-05	0.000100119	2.93778E-05	8.08209E-05	0.000127812	**2949**	0.000100063
9.36673E-05	9.88921E-05	2.75395E-05	7.36925E-05	0.000109808	8.78115E-05	9.26002E-05	2.6648E-05	7.36925E-05	0.000116877	**2950**	9.31686E-05
8.15605E-05	8.6153E-05	2.34349E-05	6.46391E-05	0.000105617	7.67839E-05	8.10054E-05	2.28646E-05	6.46391E-05	0.000112249	**2951**	8.11227E-05
7.05928E-05	7.46592E-05	1.91256E-05	5.67753E-05	0.000103361	6.70627E-05	7.08283E-05	1.89669E-05	5.67753E-05	0.000109769	**2952**	7.00853E-05
6.09211E-05	6.45268E-05	1.52845E-05	5.03279E-05	0.000105617	5.87287E-05	6.21074E-05	1.5575E-05	5.03279E-05	0.000112288	**2953**	6.03858E-05
5.77332E-05	6.12074E-05	1.37617E-05	4.83721E-05	0.000107933	5.61093E-05	5.93861E-05	1.42564E-05	4.83721E-05	0.000114887	**2954**	5.71366E-05
5.83792E-05	6.19115E-05	1.36725E-05	4.98751E-05	0.000115776	5.72379E-05	6.05953E-05	1.43545E-05	4.98751E-05	0.000123613	**2955**	5.77911E-05

6.15229E-05	6.52426E-05	1.44447E-05	5.38402E-05	0.000126984	6.09205E-05	6.44886E-05	1.53459E-05	5.38402E-05	0.000136046	**2956**	6.09887E-05
6.65286E-05	7.05243E-05	1.5957E-05	5.88115E-05	0.000139329	6.6096E-05	6.99437E-05	1.69514E-05	5.88115E-05	0.000149711	**2957**	6.60325E-05
7.14748E-05	7.57365E-05	1.75363E-05	6.24304E-05	0.000149815	7.05814E-05	7.46671E-05	1.83967E-05	6.24304E-05	0.000161477	**2958**	7.09209E-05
7.22511E-05	7.6475E-05	1.87909E-05	6.29003E-05	0.000205688	7.10594E-05	7.51163E-05	1.92425E-05	6.29003E-05	0.000211062	**2959**	7.15693E-05
7.00638E-05	7.40948E-05	1.90449E-05	6.17969E-05	0.000209226	6.9142E-05	7.30463E-05	1.92736E-05	6.17969E-05	0.000215106	**2960**	6.93287E-05
7.0467E-05	7.45015E-05	1.94036E-05	6.2058E-05	0.000212338	6.94493E-05	7.33528E-05	1.95908E-05	6.2058E-05	0.000218502	**2961**	6.97846E-05
7.13421E-05	7.54081E-05	1.98794E-05	6.24549E-05	0.000213139	7.00913E-05	7.40146E-05	1.99808E-05	6.24549E-05	0.000219356	**2962**	7.0679E-05
7.19555E-05	7.6052E-05	2.01072E-05	6.19966E-05	0.000213367	7.02118E-05	7.41401E-05	2.00364E-05	6.19966E-05	0.000219583	**2963**	7.1211E-05
7.15747E-05	7.56601E-05	1.98677E-05	6.19688E-05	0.000206732	7.0007E-05	7.3933E-05	1.9862E-05	6.19688E-05	0.000214248	**2964**	7.08265E-05
7.27976E-05	7.69558E-05	2.01677E-05	6.34778E-05	0.000204116	7.14237E-05	7.54309E-05	2.02418E-05	6.34778E-05	0.000211339	**2965**	7.20672E-05
7.48255E-05	7.91273E-05	2.03796E-05	6.58946E-05	0.00019546	7.37852E-05	7.7949E-05	2.06024E-05	6.58946E-05	0.000201741	**2966**	7.40418E-05
8.05739E-05	8.52363E-05	2.15637E-05	7.14908E-05	0.000190968	7.97769E-05	8.43056E-05	2.19345E-05	7.14908E-05	0.000194724	**2967**	7.96781E-05
8.50174E-05	8.99418E-05	2.269E-05	7.53295E-05	0.000179793	8.41388E-05	8.892E-05	2.30706E-05	7.53295E-05	0.000182367	**2968**	8.40462E-05
8.74184E-05	9.2474E-05	2.34313E-05	7.71877E-05	0.000171728	8.63689E-05	9.12702E-05	2.37666E-05	7.71877E-05	0.00017348	**2969**	8.64218E-05
9.31248E-05	9.84319E-05	2.59554E-05	8.0806E-05	0.000167335	9.11506E-05	9.6254E-05	2.59667E-05	8.0806E-05	0.000168669	**2970**	9.21955E-05
0.000100589	0.000106184	2.97711E-05	8.45082E-05	0.000150392	9.68219E-05	0.000102122	2.91299E-05	8.45082E-05	0.000154015	**2971**	9.9789E-05
0.000102038	0.000107636	3.11905E-05	8.41734E-05	0.000134276	9.72988E-05	0.000102554	3.01723E-05	8.41734E-05	0.000140072	**2972**	0.000101346
0.000100654	0.0001062	3.0457E-05	8.08209E-05	0.000121358	9.49823E-05	0.000100119	2.93778E-05	8.08209E-05	0.000127812	**2973**	0.000100063
9.36673E-05	9.88921E-05	2.75395E-05	7.36925E-05	0.000109808	8.78115E-05	9.26002E-05	2.6648E-05	7.36925E-05	0.000116877	**2974**	9.31686E-05
8.15605E-05	8.6153E-05	2.34349E-05	6.46391E-05	0.000105617	7.67839E-05	8.10054E-05	2.28646E-05	6.46391E-05	0.000112249	**2975**	8.11227E-05
7.05928E-05	7.46592E-05	1.91256E-05	5.67753E-05	0.000103361	6.70627E-05	7.08283E-05	1.89669E-05	5.67753E-05	0.000109769	**2976**	7.00853E-05
6.09211E-05	6.45268E-05	1.52845E-05	5.03279E-05	0.000105617	5.87287E-05	6.21074E-05	1.5575E-05	5.03279E-05	0.000112288	**2977**	6.03858E-05
5.77332E-05	6.12074E-05	1.37617E-05	4.83721E-05	0.000107933	5.61093E-05	5.93861E-05	1.42564E-05	4.83721E-05	0.000114887	**2978**	5.71366E-05
5.83792E-05	6.19115E-05	1.36725E-05	4.98751E-05	0.000115776	5.72379E-05	6.05953E-05	1.43545E-05	4.98751E-05	0.000123613	**2979**	5.77911E-05
6.15229E-05	6.52426E-05	1.44447E-05	5.38402E-05	0.000126984	6.09205E-05	6.44886E-05	1.53459E-05	5.38402E-05	0.000136046	**2980**	6.09887E-05
6.65286E-05	7.05243E-05	1.5957E-05	5.88115E-05	0.000139329	6.6096E-05	6.99437E-05	1.69514E-05	5.88115E-05	0.000149711	**2981**	6.60325E-05
7.14748E-05	7.57365E-05	1.75363E-05	6.24304E-05	0.000149815	7.05814E-05	7.46671E-05	1.83967E-05	6.24304E-05	0.000161477	**2982**	7.09209E-05
7.22511E-05	7.6475E-05	1.87909E-05	6.29003E-05	0.000205688	7.10594E-05	7.51163E-05	1.92425E-05	6.29003E-05	0.000211062	**2983**	7.15693E-05
7.00638E-05	7.40948E-05	1.90449E-05	6.17969E-05	0.000209226	6.9142E-05	7.30463E-05	1.92736E-05	6.17969E-05	0.000215106	**2984**	6.93287E-05
7.0467E-05	7.45015E-05	1.94036E-05	6.2058E-05	0.000212338	6.94493E-05	7.33528E-05	1.95908E-05	6.2058E-05	0.000218502	**2985**	6.97846E-05
7.13421E-05	7.54081E-05	1.98794E-05	6.24549E-05	0.000213139	7.00913E-05	7.40146E-05	1.99808E-05	6.24549E-05	0.000219356	**2986**	7.0679E-05
7.19555E-05	7.6052E-05	2.01072E-05	6.19966E-05	0.000213367	7.02118E-05	7.41401E-05	2.00364E-05	6.19966E-05	0.000219583	**2987**	7.1211E-05
7.15747E-05	7.56601E-05	1.98677E-05	6.19688E-05	0.000206732	7.0007E-05	7.3933E-05	1.9862E-05	6.19688E-05	0.000214248	**2988**	7.08265E-05
7.27976E-05	7.69558E-05	2.01677E-05	6.34778E-05	0.000204116	7.14237E-05	7.54309E-05	2.02418E-05	6.34778E-05	0.000211339	**2989**	7.20672E-05
7.48255E-05	7.91273E-05	2.03796E-05	6.58946E-05	0.00019546	7.37852E-05	7.7949E-05	2.06024E-05	6.58946E-05	0.000201741	**2990**	7.40418E-05
8.05739E-05	8.52363E-05	2.15637E-05	7.14908E-05	0.000190968	7.97769E-05	8.43056E-05	2.19345E-05	7.14908E-05	0.000194724	**2991**	7.96781E-05
8.50174E-05	8.99418E-05	2.269E-05	7.53295E-05	0.000179793	8.41388E-05	8.892E-05	2.30706E-05	7.53295E-05	0.000182367	**2992**	8.40462E-05
8.74184E-05	9.2474E-05	2.34313E-05	7.71877E-05	0.000171728	8.63689E-05	9.12702E-05	2.37666E-05	7.71877E-05	0.00017348	**2993**	8.64218E-05
9.31248E-05	9.84319E-05	2.59554E-05	8.0806E-05	0.000167335	9.11506E-05	9.6254E-05	2.59667E-05	8.0806E-05	0.000168669	**2994**	9.21955E-05
0.000100589	0.000106184	2.97711E-05	8.45082E-05	0.000150392	9.68219E-05	0.000102122	2.91299E-05	8.45082E-05	0.000154015	**2995**	9.9789E-05
0.000102038	0.000107636	3.11905E-05	8.41734E-05	0.000134276	9.72988E-05	0.000102554	3.01723E-05	8.41734E-05	0.000140072	**2996**	0.000101346
0.000100654	0.0001062	3.0457E-05	8.08209E-05	0.000121358	9.49823E-05	0.000100119	2.93778E-05	8.08209E-05	0.000127812	**2997**	0.000100063
9.36673E-05	9.88921E-05	2.75395E-05	7.36925E-05	0.000109808	8.78115E-05	9.26002E-05	2.6648E-05	7.36925E-05	0.000116877	**2998**	9.31686E-05
8.15605E-05	8.6153E-05	2.34349E-05	6.46391E-05	0.000105617	7.67839E-05	8.10054E-05	2.28646E-05	6.46391E-05	0.000112249	**2999**	8.11227E-05
7.05928E-05	7.46592E-05	1.91256E-05	5.67753E-05	0.000103361	6.70627E-05	7.08283E-05	1.89669E-05	5.67753E-05	0.000109769	**3000**	7.00853E-05
6.09211E-05	6.45268E-05	1.52845E-05	5.03279E-05	0.000105617	5.87287E-05	6.21074E-05	1.5575E-05	5.03279E-05	0.000112288	**3001**	6.03858E-05
5.77332E-05	6.12074E-05	1.37617E-05	4.83721E-05	0.000107933	5.61093E-05	5.93861E-05	1.42564E-05	4.83721E-05	0.000114887	**3002**	5.71366E-05
5.83792E-05	6.19115E-05	1.36725E-05	4.98751E-05	0.000115776	5.72379E-05	6.05953E-05	1.43545E-05	4.98751E-05	0.000123613	**3003**	5.77911E-05
6.15229E-05	6.52426E-05	1.44447E-05	5.38402E-05	0.000126984	6.09205E-05	6.44886E-05	1.53459E-05	5.38402E-05	0.000136046	**3004**	6.09887E-05
6.65286E-05	7.05243E-05	1.5957E-05	5.88115E-05	0.000139329	6.6096E-05	6.99437E-05	1.69514E-05	5.88115E-05	0.000149711	**3005**	6.60325E-05
7.14748E-05	7.57365E-05	1.75363E-05	6.24304E-05	0.000149815	7.05814E-05	7.46671E-05	1.83967E-05	6.24304E-05	0.000161477	**3006**	7.09209E-05
7.22511E-05	7.6475E-05	1.87909E-05	6.29003E-05	0.000205688	7.10594E-05	7.51163E-05	1.92425E-05	6.29003E-05	0.000211062	**3007**	7.15693E-05
7.00638E-05	7.40948E-05	1.90449E-05	6.17969E-05	0.000209226	6.9142E-05	7.30463E-05	1.92736E-05	6.17969E-05	0.000215106	**3008**	6.93287E-05
7.0467E-05	7.45015E-05	1.94036E-05	6.2058E-05	0.000212338	6.94493E-05	7.33528E-05	1.95908E-05	6.2058E-05	0.000218502	**3009**	6.97846E-05
7.13421E-05	7.54081E-05	1.98794E-05	6.24549E-05	0.000213139	7.00913E-05	7.40146E-05	1.99808E-05	6.24549E-05	0.000219356	**3010**	7.0679E-05
7.19555E-05	7.6052E-05	2.01072E-05	6.19966E-05	0.000213367	7.02118E-05	7.41401E-05	2.00364E-05	6.19966E-05	0.000219583	**3011**	7.1211E-05
7.15747E-05	7.56601E-05	1.98677E-05	6.19688E-05	0.000206732	7.0007E-05	7.3933E-05	1.9862E-05	6.19688E-05	0.000214248	**3012**	7.08265E-05
7.27976E-05	7.69558E-05	2.01677E-05	6.34778E-05	0.000204116	7.14237E-05	7.54309E-05	2.02418E-05	6.34778E-05	0.000211339	**3013**	7.20672E-05
7.48255E-05	7.91273E-05	2.03796E-05	6.58946E-05	0.00019546	7.37852E-05	7.7949E-05	2.06024E-05	6.58946E-05	0.000201741	**3014**	7.40418E-05
8.05739E-05	8.52363E-05	2.15637E-05	7.14908E-05	0.000190968	7.97769E-05	8.43056E-05	2.19345E-05	7.14908E-05	0.000194724	**3015**	7.96781E-05
8.50174E-05	8.99418E-05	2.269E-05	7.53295E-05	0.000179793	8.41388E-05	8.892E-05	2.30706E-05	7.53295E-05	0.000182367	**3016**	8.40462E-05
8.74184E-05	9.2474E-05	2.34313E-05	7.71877E-05	0.000171728	8.63689E-05	9.12702E-05	2.37666E-05	7.71877E-05	0.00017348	**3017**	8.64218E-05
9.31248E-05	9.84319E-05	2.59554E-05	8.0806E-05	0.000167335	9.11506E-05	9.6254E-05	2.59667E-05	8.0806E-05	0.000168669	**3018**	9.21955E-05
0.000100589	0.000106184	2.97711E-05	8.45082E-05	0.000150392	9.68219E-05	0.000102122	2.91299E-05	8.45082E-05	0.000154015	**3019**	9.9789E-05
0.000102038	0.000107636	3.11905E-05	8.41734E-05	0.000134276	9.72988E-05	0.000102554	3.01723E-05	8.41734E-05	0.000140072	**3020**	0.000101346
0.000100654	0.0001062	3.0457E-05	8.08209E-05	0.000121358	9.49823E-05	0.000100119	2.93778E-05	8.08209E-05	0.000127812	**3021**	0.000100063
9.36673E-05	9.88921E-05	2.75395E-05	7.36925E-05	0.000109808	8.78115E-05	9.26002E-05	2.6648E-05	7.36925E-05	0.000116877	**3022**	9.31686E-05
8.15605E-05	8.6153E-05	2.34349E-05	6.46391E-05	0.000105617	7.67839E-05	8.10054E-05	2.28646E-05	6.46391E-05	0.000112249	**3023**	8.11227E-05
7.05928E-05	7.46592E-05	1.91256E-05	5.67753E-05	0.000103361	6.70627E-05	7.08283E-05	1.89669E-05	5.67753E-05	0.000109769	**3024**	7.00853E-05
6.09211E-05	6.45268E-05	1.52845E-05	5.03279E-05	0.000105617	5.87287E-05	6.21074E-05	1.5575E-05	5.03279E-05	0.000112288	**3025**	6.03858E-05
5.77332E-05	6.12074E-05	1.37617E-05	4.83721E-05	0.000107933	5.61093E-05	5.93861E-05	1.42564E-05	4.83721E-05	0.000114887	**3026**	5.71366E-05
5.83792E-05	6.19115E-05	1.36725E-05	4.98751E-05	0.000115776	5.72379E-05	6.05953E-05	1.43545E-05	4.98751E-05	0.000123613	**3027**	5.77911E-05
6.15229E-05	6.52426E-05	1.44447E-05	5.38402E-05	0.000126984	6.09205E-05	6.44886E-05	1.53459E-05	5.38402E-05	0.000136046	**3028**	6.09887E-05
6.65286E-05	7.05243E-05	1.5957E-05	5.88115E-05	0.000139329	6.6096E-05	6.99437E-05	1.69514E-05	5.88115E-05	0.000149711	**3029**	6.60325E-05
7.14748E-05	7.57365E-05	1.75363E-05	6.24304E-05	0.000149815	7.05814E-05	7.46671E-05	1.83967E-05	6.24304E-05	0.000161477	**3030**	7.09209E-05
7.22511E-05	7.6475E-05	1.87909E-05	6.29003E-05	0.000205688	7.10594E-05	7.51163E-05	1.92425E-05	6.29003E-05	0.000211062	**3031**	7.15693E-05

7.00638E-05	7.40948E-05	1.90449E-05	6.17969E-05	0.000209226	6.9142E-05	7.30463E-05	1.92736E-05	6.17969E-05	0.000215106	**3032**	6.93287E-05
7.0467E-05	7.45015E-05	1.94036E-05	6.2058E-05	0.000212338	6.94493E-05	7.33528E-05	1.95908E-05	6.2058E-05	0.000218502	**3033**	6.97846E-05
7.13421E-05	7.54081E-05	1.98794E-05	6.24549E-05	0.000213139	7.00913E-05	7.40146E-05	1.99808E-05	6.24549E-05	0.000219356	**3034**	7.0679E-05
7.19555E-05	7.6052E-05	2.01072E-05	6.19966E-05	0.000213367	7.02118E-05	7.41401E-05	2.00364E-05	6.19966E-05	0.000219583	**3035**	7.1211E-05
7.15747E-05	7.56601E-05	1.98677E-05	6.19688E-05	0.000206732	7.0007E-05	7.3933E-05	1.9862E-05	6.19688E-05	0.000214248	**3036**	7.08265E-05
7.27976E-05	7.69558E-05	2.01677E-05	6.34778E-05	0.000204116	7.14237E-05	7.54309E-05	2.02418E-05	6.34778E-05	0.000211339	**3037**	7.20672E-05
7.48255E-05	7.91273E-05	2.03796E-05	6.58946E-05	0.00019546	7.37852E-05	7.7949E-05	2.06024E-05	6.58946E-05	0.000201741	**3038**	7.40418E-05
8.05739E-05	8.52363E-05	2.15637E-05	7.14908E-05	0.000190968	7.97769E-05	8.43056E-05	2.19345E-05	7.14908E-05	0.000194724	**3039**	7.96781E-05
8.50174E-05	8.99418E-05	2.269E-05	7.53295E-05	0.000179793	8.41388E-05	8.892E-05	2.30706E-05	7.53295E-05	0.000182367	**3040**	8.40462E-05
8.74184E-05	9.2474E-05	2.34313E-05	7.71877E-05	0.000171728	8.63689E-05	9.12702E-05	2.37666E-05	7.71877E-05	0.00017348	**3041**	8.64218E-05
9.31248E-05	9.84319E-05	2.59554E-05	8.0806E-05	0.000167335	9.11506E-05	9.6254E-05	2.59667E-05	8.0806E-05	0.000168669	**3042**	9.21955E-05
0.000100589	0.000106184	2.97711E-05	8.45082E-05	0.000150392	9.68219E-05	0.000102122	2.91299E-05	8.45082E-05	0.000154015	**3043**	9.9789E-05
0.000102038	0.000107636	3.11905E-05	8.41734E-05	0.000134276	9.72988E-05	0.000102554	3.01723E-05	8.41734E-05	0.000140072	**3044**	0.000101346
0.000100654	0.0001062	3.0457E-05	8.08209E-05	0.000121358	9.49823E-05	0.000100119	2.93778E-05	8.08209E-05	0.000127812	**3045**	0.000100063
9.36673E-05	9.88921E-05	2.75395E-05	7.36925E-05	0.000109808	8.78115E-05	9.26002E-05	2.6648E-05	7.36925E-05	0.000116877	**3046**	9.31686E-05
8.15605E-05	8.6153E-05	2.34349E-05	6.46391E-05	0.000105617	7.67839E-05	8.10054E-05	2.28646E-05	6.46391E-05	0.000112249	**3047**	8.11227E-05
7.05928E-05	7.46592E-05	1.91256E-05	5.67753E-05	0.000103361	6.70627E-05	7.08283E-05	1.89669E-05	5.67753E-05	0.000109769	**3048**	7.00853E-05
6.13257E-05	6.49561E-05	1.53776E-05	5.07324E-05	0.000104705	5.91537E-05	6.25575E-05	1.56792E-05	5.07324E-05	0.000111261	**3049**	6.07861E-05
5.74826E-05	6.09407E-05	1.37153E-05	4.81799E-05	0.000108586	5.58716E-05	5.91333E-05	1.42116E-05	4.81799E-05	0.000115615	**3050**	5.68969E-05
5.84566E-05	6.19932E-05	1.36946E-05	4.99751E-05	0.000116555	5.7329E-05	6.06915E-05	1.43821E-05	4.99751E-05	0.000124481	**3051**	5.78708E-05
6.18313E-05	6.55696E-05	1.45175E-05	5.4158E-05	0.00012791	6.12485E-05	6.48359E-05	1.54286E-05	5.4158E-05	0.000137076	**3052**	6.12952E-05
6.67194E-05	7.07257E-05	1.60131E-05	5.90653E-05	0.000140678	6.6324E-05	7.0184E-05	1.7022E-05	5.90653E-05	0.000151208	**3053**	6.62302E-05
7.17794E-05	7.60587E-05	1.76175E-05	6.27921E-05	0.000151668	7.09264E-05	7.50314E-05	1.84946E-05	6.27921E-05	0.000163529	**3054**	7.12303E-05
7.39847E-05	7.83355E-05	1.89193E-05	6.33323E-05	0.000208132	7.23101E-05	7.64544E-05	1.93765E-05	6.33323E-05	0.000213767	**3055**	7.33044E-05
7.0312E-05	7.43587E-05	1.90939E-05	6.20029E-05	0.000211926	6.93842E-05	7.33036E-05	1.93233E-05	6.20029E-05	0.000218095	**3056**	6.95682E-05
7.06413E-05	7.46874E-05	1.9431E-05	6.21665E-05	0.000215036	6.96035E-05	7.35173E-05	1.96134E-05	6.21665E-05	0.000221487	**3057**	6.99477E-05
7.13956E-05	7.54647E-05	1.98951E-05	6.25256E-05	0.000215805	7.0155E-05	7.40818E-05	2.00005E-05	6.25256E-05	0.000222303	**3058**	7.07344E-05
7.19108E-05	7.60047E-05	2.00952E-05	6.19431E-05	0.000215958	7.01609E-05	7.40864E-05	2.00219E-05	6.19431E-05	0.000222443	**3059**	7.11655E-05
7.13263E-05	7.53964E-05	1.98125E-05	6.17306E-05	0.000209221	6.97505E-05	7.36612E-05	1.98014E-05	6.17306E-05	0.000216993	**3060**	7.05821E-05
7.23331E-05	7.64626E-05	2.00671E-05	6.30459E-05	0.000206326	7.09501E-05	7.49287E-05	2.01331E-05	6.30459E-05	0.000213776	**3061**	7.16123E-05
7.46014E-05	7.88884E-05	2.03423E-05	6.57441E-05	0.000197346	7.35821E-05	7.77326E-05	2.05697E-05	6.57441E-05	0.000203814	**3062**	7.38305E-05
8.08912E-05	8.55724E-05	2.16436E-05	7.18435E-05	0.000192666	8.01258E-05	8.46744E-05	2.20283E-05	7.18435E-05	0.000196588	**3063**	7.99971E-05
8.62445E-05	9.12452E-05	2.2953E-05	7.64554E-05	0.000181557	8.53834E-05	9.024E-05	2.33525E-05	7.64554E-05	0.000184307	**3064**	8.52458E-05
8.86909E-05	9.38251E-05	2.37092E-05	7.83821E-05	0.000173354	8.76713E-05	9.2651E-05	2.40681E-05	7.83821E-05	0.000175267	**3065**	8.76695E-05
9.43562E-05	9.97394E-05	2.6222E-05	8.19499E-05	0.000168819	9.24057E-05	9.75849E-05	2.62544E-05	8.19499E-05	0.000170304	**3066**	9.34013E-05
0.000101722	0.000107387	3.00132E-05	8.55439E-05	0.000152079	9.79693E-05	0.000103339	2.93889E-05	8.55439E-05	0.000155878	**3067**	0.000100896
0.000103119	0.000108784	3.14239E-05	8.51742E-05	0.000135868	9.83994E-05	0.000103721	3.04237E-05	8.51742E-05	0.000141828	**3068**	0.000102405
0.000100144	0.000105638	3.06022E-05	8.15708E-05	0.000122918	9.49987E-05	0.000100123	2.95451E-05	8.15708E-05	0.000129529	**3069**	9.95326E-05
9.44122E-05	9.96831E-05	2.77007E-05	7.43841E-05	0.000111276	8.85706E-05	9.3405E-05	2.68219E-05	7.43841E-05	0.00011849	**3070**	9.3898E-05
8.20206E-05	8.66413E-05	2.35372E-05	6.50806E-05	0.000106955	7.7259E-05	8.15089E-05	2.29768E-05	6.50806E-05	0.000113718	**3071**	8.15752E-05
7.09765E-05	7.50665E-05	1.92106E-05	5.71419E-05	0.00010455	6.74583E-05	7.12476E-05	1.906E-05	5.71419E-05	0.000111072	**3072**	7.04625E-05
6.13257E-05	6.49561E-05	1.53776E-05	5.07324E-05	0.000104705	5.91537E-05	6.25575E-05	1.56792E-05	5.07324E-05	0.000111261	**3073**	6.07861E-05
5.74826E-05	6.09407E-05	1.37153E-05	4.81799E-05	0.000108586	5.58716E-05	5.91333E-05	1.42116E-05	4.81799E-05	0.000115615	**3074**	5.68969E-05
5.84566E-05	6.19932E-05	1.36946E-05	4.99751E-05	0.000116555	5.7329E-05	6.06915E-05	1.43821E-05	4.99751E-05	0.000124481	**3075**	5.78708E-05
6.18313E-05	6.55696E-05	1.45175E-05	5.4158E-05	0.00012791	6.12485E-05	6.48359E-05	1.54286E-05	5.4158E-05	0.000137076	**3076**	6.12952E-05
6.67194E-05	7.07257E-05	1.60131E-05	5.90653E-05	0.000140678	6.6324E-05	7.0184E-05	1.7022E-05	5.90653E-05	0.000151208	**3077**	6.62302E-05
7.17794E-05	7.60587E-05	1.76175E-05	6.27921E-05	0.000151668	7.09264E-05	7.50314E-05	1.84946E-05	6.27921E-05	0.000163529	**3078**	7.12303E-05
7.39847E-05	7.83355E-05	1.89193E-05	6.33323E-05	0.000208132	7.23101E-05	7.64544E-05	1.93765E-05	6.33323E-05	0.000213767	**3079**	7.33044E-05
7.0312E-05	7.43587E-05	1.90939E-05	6.20029E-05	0.000211926	6.93842E-05	7.33036E-05	1.93233E-05	6.20029E-05	0.000218095	**3080**	6.95682E-05
7.06413E-05	7.46874E-05	1.9431E-05	6.21665E-05	0.000215036	6.96035E-05	7.35173E-05	1.96134E-05	6.21665E-05	0.000221487	**3081**	6.99477E-05
7.13956E-05	7.54647E-05	1.98951E-05	6.25256E-05	0.000215805	7.0155E-05	7.40818E-05	2.00005E-05	6.25256E-05	0.000222303	**3082**	7.07344E-05
7.19108E-05	7.60047E-05	2.00952E-05	6.19431E-05	0.000215958	7.01609E-05	7.40864E-05	2.00219E-05	6.19431E-05	0.000222443	**3083**	7.11655E-05
7.13263E-05	7.53964E-05	1.98125E-05	6.17306E-05	0.000209221	6.97505E-05	7.36612E-05	1.98014E-05	6.17306E-05	0.000216993	**3084**	7.05821E-05
7.23331E-05	7.64626E-05	2.00671E-05	6.30459E-05	0.000206326	7.09501E-05	7.49287E-05	2.01331E-05	6.30459E-05	0.000213776	**3085**	7.16123E-05
7.46014E-05	7.88884E-05	2.03423E-05	6.57441E-05	0.000197346	7.35821E-05	7.77326E-05	2.05697E-05	6.57441E-05	0.000203814	**3086**	7.38305E-05
8.08912E-05	8.55724E-05	2.16436E-05	7.18435E-05	0.000192666	8.01258E-05	8.46744E-05	2.20283E-05	7.18435E-05	0.000196588	**3087**	7.99971E-05
8.62445E-05	9.12452E-05	2.2953E-05	7.64554E-05	0.000181557	8.53834E-05	9.024E-05	2.33525E-05	7.64554E-05	0.000184307	**3088**	8.52458E-05
8.86909E-05	9.38251E-05	2.37092E-05	7.83821E-05	0.000173354	8.76713E-05	9.2651E-05	2.40681E-05	7.83821E-05	0.000175267	**3089**	8.76695E-05
9.43562E-05	9.97394E-05	2.6222E-05	8.19499E-05	0.000168819	9.24057E-05	9.75849E-05	2.62544E-05	8.19499E-05	0.000170304	**3090**	9.34013E-05
0.000101722	0.000107387	3.00132E-05	8.55439E-05	0.000152079	9.79693E-05	0.000103339	2.93889E-05	8.55439E-05	0.000155878	**3091**	0.000100896
0.000103119	0.000108784	3.14239E-05	8.51742E-05	0.000135868	9.83994E-05	0.000103721	3.04237E-05	8.51742E-05	0.000141828	**3092**	0.000102405
0.000100144	0.000105638	3.06022E-05	8.15708E-05	0.000122918	9.49987E-05	0.000100123	2.95451E-05	8.15708E-05	0.000129529	**3093**	9.95326E-05
9.44122E-05	9.96831E-05	2.77007E-05	7.43841E-05	0.000111276	8.85706E-05	9.3405E-05	2.68219E-05	7.43841E-05	0.00011849	**3094**	9.3898E-05
8.20206E-05	8.66413E-05	2.35372E-05	6.50806E-05	0.000106955	7.7259E-05	8.15089E-05	2.29768E-05	6.50806E-05	0.000113718	**3095**	8.15752E-05
7.09765E-05	7.50665E-05	1.92106E-05	5.71419E-05	0.00010455	6.74583E-05	7.12476E-05	1.906E-05	5.71419E-05	0.000111072	**3096**	7.04625E-05
6.09211E-05	6.45268E-05	1.52845E-05	5.03279E-05	0.000105617	5.87287E-05	6.21074E-05	1.5575E-05	5.03279E-05	0.000112288	**3097**	6.03858E-05
5.77332E-05	6.12074E-05	1.37617E-05	4.83721E-05	0.000107933	5.61093E-05	5.93861E-05	1.42564E-05	4.83721E-05	0.000114887	**3098**	5.71366E-05
5.83792E-05	6.19115E-05	1.36725E-05	4.98751E-05	0.000115776	5.72379E-05	6.05953E-05	1.43545E-05	4.98751E-05	0.000123613	**3099**	5.77911E-05
6.15229E-05	6.52426E-05	1.44447E-05	5.38402E-05	0.000126984	6.09205E-05	6.44886E-05	1.53459E-05	5.38402E-05	0.000136046	**3100**	6.09887E-05
6.65286E-05	7.05243E-05	1.5957E-05	5.88115E-05	0.000139329	6.6096E-05	6.99437E-05	1.69514E-05	5.88115E-05	0.000149711	**3101**	6.60325E-05
7.14748E-05	7.57365E-05	1.75363E-05	6.24304E-05	0.000149815	7.05814E-05	7.46671E-05	1.83967E-05	6.24304E-05	0.000161477	**3102**	7.09209E-05
7.22511E-05	7.6475E-05	1.87909E-05	6.29003E-05	0.000205688	7.10594E-05	7.51163E-05	1.92425E-05	6.29003E-05	0.000211062	**3103**	7.15693E-05
7.00638E-05	7.40948E-05	1.90449E-05	6.17969E-05	0.000209226	6.9142E-05	7.30463E-05	1.92736E-05	6.17969E-05	0.000215106	**3104**	6.93287E-05
7.0467E-05	7.45015E-05	1.94036E-05	6.2058E-05	0.000212338	6.94493E-05	7.33528E-05	1.95908E-05	6.2058E-05	0.000218502	**3105**	6.97846E-05
7.13421E-05	7.54081E-05	1.98794E-05	6.24549E-05	0.000213139	7.00913E-05	7.40146E-05	1.99808E-05	6.24549E-05	0.000219356	**3106**	7.0679E-05
7.19555E-05	7.6052E-05	2.01072E-05	6.19966E-05	0.000213367	7.02118E-05	7.41401E-05	2.00364E-05	6.19966E-05	0.000219583	**3107**	7.1211E-05

7.15747E-05	7.56601E-05	1.98677E-05	6.19688E-05	0.000206732	7.0007E-05	7.3933E-05	1.9862E-05	6.19688E-05	0.000214248	**3108**	7.08265E-05
7.27976E-05	7.69558E-05	2.01677E-05	6.34778E-05	0.000204116	7.14237E-05	7.54309E-05	2.02418E-05	6.34778E-05	0.000211339	**3109**	7.20672E-05
7.48255E-05	7.91273E-05	2.03796E-05	6.58946E-05	0.00019546	7.37852E-05	7.7949E-05	2.06024E-05	6.58946E-05	0.000201741	**3110**	7.40418E-05
8.05739E-05	8.52363E-05	2.15637E-05	7.14908E-05	0.000190968	7.97769E-05	8.43056E-05	2.19345E-05	7.14908E-05	0.000194724	**3111**	7.96781E-05
8.50174E-05	8.99418E-05	2.269E-05	7.53295E-05	0.000179793	8.41388E-05	8.892E-05	2.30706E-05	7.53295E-05	0.000182367	**3112**	8.40462E-05
8.74184E-05	9.2474E-05	2.34313E-05	7.71877E-05	0.000171728	8.63689E-05	9.12702E-05	2.37666E-05	7.71877E-05	0.00017348	**3113**	8.64218E-05
9.31248E-05	9.84319E-05	2.59554E-05	8.0806E-05	0.000167335	9.11506E-05	9.6254E-05	2.59667E-05	8.0806E-05	0.000168669	**3114**	9.21955E-05
0.000100589	0.000106184	2.97711E-05	8.45082E-05	0.000150392	9.68219E-05	0.000102122	2.91299E-05	8.45082E-05	0.000154015	**3115**	9.9789E-05
0.000102038	0.000107636	3.11905E-05	8.41734E-05	0.000134276	9.72988E-05	0.000102554	3.01723E-05	8.41734E-05	0.000140072	**3116**	0.000101346
0.000100654	0.0001062	3.0457E-05	8.08209E-05	0.000121358	9.49823E-05	0.000100119	2.93778E-05	8.08209E-05	0.000127812	**3117**	0.000100063
9.36673E-05	9.88921E-05	2.75395E-05	7.36925E-05	0.000109808	8.78115E-05	9.26002E-05	2.6648E-05	7.36925E-05	0.000116877	**3118**	9.31686E-05
8.15605E-05	8.6153E-05	2.34349E-05	6.46391E-05	0.000105617	7.67839E-05	8.10054E-05	2.28646E-05	6.46391E-05	0.000112249	**3119**	8.11227E-05
7.05928E-05	7.46592E-05	1.91256E-05	5.67753E-05	0.000103361	6.70627E-05	7.08283E-05	1.89669E-05	5.67753E-05	0.000109769	**3120**	7.00853E-05
6.09211E-05	6.45268E-05	1.52845E-05	5.03279E-05	0.000105617	5.87287E-05	6.21074E-05	1.5575E-05	5.03279E-05	0.000112288	**3121**	6.03858E-05
5.77332E-05	6.12074E-05	1.37617E-05	4.83721E-05	0.000107933	5.61093E-05	5.93861E-05	1.42564E-05	4.83721E-05	0.000114887	**3122**	5.71366E-05
5.83792E-05	6.19115E-05	1.36725E-05	4.98751E-05	0.000115776	5.72379E-05	6.05953E-05	1.43545E-05	4.98751E-05	0.000123613	**3123**	5.77911E-05
6.15229E-05	6.52426E-05	1.44447E-05	5.38402E-05	0.000126984	6.09205E-05	6.44886E-05	1.53459E-05	5.38402E-05	0.000136046	**3124**	6.09887E-05
6.65286E-05	7.05243E-05	1.5957E-05	5.88115E-05	0.000139329	6.6096E-05	6.99437E-05	1.69514E-05	5.88115E-05	0.000149711	**3125**	6.60325E-05
7.14748E-05	7.57365E-05	1.75363E-05	6.24304E-05	0.000149815	7.05814E-05	7.46671E-05	1.83967E-05	6.24304E-05	0.000161477	**3126**	7.09209E-05
7.22511E-05	7.6475E-05	1.87909E-05	6.29003E-05	0.000205688	7.10594E-05	7.51163E-05	1.92425E-05	6.29003E-05	0.000211062	**3127**	7.15693E-05
7.00638E-05	7.40948E-05	1.90449E-05	6.17969E-05	0.000209226	6.9142E-05	7.30463E-05	1.92736E-05	6.17969E-05	0.000215106	**3128**	6.93287E-05
7.0467E-05	7.45015E-05	1.94036E-05	6.2058E-05	0.000212338	6.94493E-05	7.33528E-05	1.95908E-05	6.2058E-05	0.000218502	**3129**	6.97846E-05
7.13421E-05	7.54081E-05	1.98794E-05	6.24549E-05	0.000213139	7.00913E-05	7.40146E-05	1.99808E-05	6.24549E-05	0.000219356	**3130**	7.0679E-05
7.19555E-05	7.6052E-05	2.01072E-05	6.19966E-05	0.000213367	7.02118E-05	7.41401E-05	2.00364E-05	6.19966E-05	0.000219583	**3131**	7.1211E-05
7.15747E-05	7.56601E-05	1.98677E-05	6.19688E-05	0.000206732	7.0007E-05	7.3933E-05	1.9862E-05	6.19688E-05	0.000214248	**3132**	7.08265E-05
7.27976E-05	7.69558E-05	2.01677E-05	6.34778E-05	0.000204116	7.14237E-05	7.54309E-05	2.02418E-05	6.34778E-05	0.000211339	**3133**	7.20672E-05
7.48255E-05	7.91273E-05	2.03796E-05	6.58946E-05	0.00019546	7.37852E-05	7.7949E-05	2.06024E-05	6.58946E-05	0.000201741	**3134**	7.40418E-05
8.05739E-05	8.52363E-05	2.15637E-05	7.14908E-05	0.000190968	7.97769E-05	8.43056E-05	2.19345E-05	7.14908E-05	0.000194724	**3135**	7.96781E-05
8.50174E-05	8.99418E-05	2.269E-05	7.53295E-05	0.000179793	8.41388E-05	8.892E-05	2.30706E-05	7.53295E-05	0.000182367	**3136**	8.40462E-05
8.74184E-05	9.2474E-05	2.34313E-05	7.71877E-05	0.000171728	8.63689E-05	9.12702E-05	2.37666E-05	7.71877E-05	0.00017348	**3137**	8.64218E-05
9.31248E-05	9.84319E-05	2.59554E-05	8.0806E-05	0.000167335	9.11506E-05	9.6254E-05	2.59667E-05	8.0806E-05	0.000168669	**3138**	9.21955E-05
0.000100589	0.000106184	2.97711E-05	8.45082E-05	0.000150392	9.68219E-05	0.000102122	2.91299E-05	8.45082E-05	0.000154015	**3139**	9.9789E-05
0.000102038	0.000107636	3.11905E-05	8.41734E-05	0.000134276	9.72988E-05	0.000102554	3.01723E-05	8.41734E-05	0.000140072	**3140**	0.000101346
0.000100654	0.0001062	3.0457E-05	8.08209E-05	0.000121358	9.49823E-05	0.000100119	2.93778E-05	8.08209E-05	0.000127812	**3141**	0.000100063
9.36673E-05	9.88921E-05	2.75395E-05	7.36925E-05	0.000109808	8.78115E-05	9.26002E-05	2.6648E-05	7.36925E-05	0.000116877	**3142**	9.31686E-05
8.15605E-05	8.6153E-05	2.34349E-05	6.46391E-05	0.000105617	7.67839E-05	8.10054E-05	2.28646E-05	6.46391E-05	0.000112249	**3143**	8.11227E-05
7.05928E-05	7.46592E-05	1.91256E-05	5.67753E-05	0.000103361	6.70627E-05	7.08283E-05	1.89669E-05	5.67753E-05	0.000109769	**3144**	7.00853E-05
6.09211E-05	6.45268E-05	1.52845E-05	5.03279E-05	0.000105617	5.87287E-05	6.21074E-05	1.5575E-05	5.03279E-05	0.000112288	**3145**	6.03858E-05
5.77332E-05	6.12074E-05	1.37617E-05	4.83721E-05	0.000107933	5.61093E-05	5.93861E-05	1.42564E-05	4.83721E-05	0.000114887	**3146**	5.71366E-05
5.83792E-05	6.19115E-05	1.36725E-05	4.98751E-05	0.000115776	5.72379E-05	6.05953E-05	1.43545E-05	4.98751E-05	0.000123613	**3147**	5.77911E-05
6.15229E-05	6.52426E-05	1.44447E-05	5.38402E-05	0.000126984	6.09205E-05	6.44886E-05	1.53459E-05	5.38402E-05	0.000136046	**3148**	6.09887E-05
6.65286E-05	7.05243E-05	1.5957E-05	5.88115E-05	0.000139329	6.6096E-05	6.99437E-05	1.69514E-05	5.88115E-05	0.000149711	**3149**	6.60325E-05
7.14748E-05	7.57365E-05	1.75363E-05	6.24304E-05	0.000149815	7.05814E-05	7.46671E-05	1.83967E-05	6.24304E-05	0.000161477	**3150**	7.09209E-05
7.22511E-05	7.6475E-05	1.87909E-05	6.29003E-05	0.000205688	7.10594E-05	7.51163E-05	1.92425E-05	6.29003E-05	0.000211062	**3151**	7.15693E-05
7.00638E-05	7.40948E-05	1.90449E-05	6.17969E-05	0.000209226	6.9142E-05	7.30463E-05	1.92736E-05	6.17969E-05	0.000215106	**3152**	6.93287E-05
7.0467E-05	7.45015E-05	1.94036E-05	6.2058E-05	0.000212338	6.94493E-05	7.33528E-05	1.95908E-05	6.2058E-05	0.000218502	**3153**	6.97846E-05
7.13421E-05	7.54081E-05	1.98794E-05	6.24549E-05	0.000213139	7.00913E-05	7.40146E-05	1.99808E-05	6.24549E-05	0.000219356	**3154**	7.0679E-05
7.19555E-05	7.6052E-05	2.01072E-05	6.19966E-05	0.000213367	7.02118E-05	7.41401E-05	2.00364E-05	6.19966E-05	0.000219583	**3155**	7.1211E-05
7.15747E-05	7.56601E-05	1.98677E-05	6.19688E-05	0.000206732	7.0007E-05	7.3933E-05	1.9862E-05	6.19688E-05	0.000214248	**3156**	7.08265E-05
7.27976E-05	7.69558E-05	2.01677E-05	6.34778E-05	0.000204116	7.14237E-05	7.54309E-05	2.02418E-05	6.34778E-05	0.000211339	**3157**	7.20672E-05
7.48255E-05	7.91273E-05	2.03796E-05	6.58946E-05	0.00019546	7.37852E-05	7.7949E-05	2.06024E-05	6.58946E-05	0.000201741	**3158**	7.40418E-05
8.05739E-05	8.52363E-05	2.15637E-05	7.14908E-05	0.000190968	7.97769E-05	8.43056E-05	2.19345E-05	7.14908E-05	0.000194724	**3159**	7.96781E-05
8.50174E-05	8.99418E-05	2.269E-05	7.53295E-05	0.000179793	8.41388E-05	8.892E-05	2.30706E-05	7.53295E-05	0.000182367	**3160**	8.40462E-05
8.74184E-05	9.2474E-05	2.34313E-05	7.71877E-05	0.000171728	8.63689E-05	9.12702E-05	2.37666E-05	7.71877E-05	0.00017348	**3161**	8.64218E-05
9.31248E-05	9.84319E-05	2.59554E-05	8.0806E-05	0.000167335	9.11506E-05	9.6254E-05	2.59667E-05	8.0806E-05	0.000168669	**3162**	9.21955E-05
0.000100589	0.000106184	2.97711E-05	8.45082E-05	0.000150392	9.68219E-05	0.000102122	2.91299E-05	8.45082E-05	0.000154015	**3163**	9.9789E-05
0.000102038	0.000107636	3.11905E-05	8.41734E-05	0.000134276	9.72988E-05	0.000102554	3.01723E-05	8.41734E-05	0.000140072	**3164**	0.000101346
0.000100654	0.0001062	3.0457E-05	8.08209E-05	0.000121358	9.49823E-05	0.000100119	2.93778E-05	8.08209E-05	0.000127812	**3165**	0.000100063
9.36673E-05	9.88921E-05	2.75395E-05	7.36925E-05	0.000109808	8.78115E-05	9.26002E-05	2.6648E-05	7.36925E-05	0.000116877	**3166**	9.31686E-05
8.15605E-05	8.6153E-05	2.34349E-05	6.46391E-05	0.000105617	7.67839E-05	8.10054E-05	2.28646E-05	6.46391E-05	0.000112249	**3167**	8.11227E-05
7.05928E-05	7.46592E-05	1.91256E-05	5.67753E-05	0.000103361	6.70627E-05	7.08283E-05	1.89669E-05	5.67753E-05	0.000109769	**3168**	7.00853E-05
6.09211E-05	6.45268E-05	1.52845E-05	5.03279E-05	0.000105617	5.87287E-05	6.21074E-05	1.5575E-05	5.03279E-05	0.000112288	**3169**	6.03858E-05
5.77332E-05	6.12074E-05	1.37617E-05	4.83721E-05	0.000107933	5.61093E-05	5.93861E-05	1.42564E-05	4.83721E-05	0.000114887	**3170**	5.71366E-05
5.83792E-05	6.19115E-05	1.36725E-05	4.98751E-05	0.000115776	5.72379E-05	6.05953E-05	1.43545E-05	4.98751E-05	0.000123613	**3171**	5.77911E-05
6.15229E-05	6.52426E-05	1.44447E-05	5.38402E-05	0.000126984	6.09205E-05	6.44886E-05	1.53459E-05	5.38402E-05	0.000136046	**3172**	6.09887E-05
6.65286E-05	7.05243E-05	1.5957E-05	5.88115E-05	0.000139329	6.6096E-05	6.99437E-05	1.69514E-05	5.88115E-05	0.000149711	**3173**	6.60325E-05
7.14748E-05	7.57365E-05	1.75363E-05	6.24304E-05	0.000149815	7.05814E-05	7.46671E-05	1.83967E-05	6.24304E-05	0.000161477	**3174**	7.09209E-05
7.22511E-05	7.6475E-05	1.87909E-05	6.29003E-05	0.000205688	7.10594E-05	7.51163E-05	1.92425E-05	6.29003E-05	0.000211062	**3175**	7.15693E-05
7.00638E-05	7.40948E-05	1.90449E-05	6.17969E-05	0.000209226	6.9142E-05	7.30463E-05	1.92736E-05	6.17969E-05	0.000215106	**3176**	6.93287E-05
7.0467E-05	7.45015E-05	1.94036E-05	6.2058E-05	0.000212338	6.94493E-05	7.33528E-05	1.95908E-05	6.2058E-05	0.000218502	**3177**	6.97846E-05
7.13421E-05	7.54081E-05	1.98794E-05	6.24549E-05	0.000213139	7.00913E-05	7.40146E-05	1.99808E-05	6.24549E-05	0.000219356	**3178**	7.0679E-05
7.19555E-05	7.6052E-05	2.01072E-05	6.19966E-05	0.000213367	7.02118E-05	7.41401E-05	2.00364E-05	6.19966E-05	0.000219583	**3179**	7.1211E-05
7.15747E-05	7.56601E-05	1.98677E-05	6.19688E-05	0.000206732	7.0007E-05	7.3933E-05	1.9862E-05	6.19688E-05	0.000214248	**3180**	7.08265E-05
7.27976E-05	7.69558E-05	2.01677E-05	6.34778E-05	0.000204116	7.14237E-05	7.54309E-05	2.02418E-05	6.34778E-05	0.000211339	**3181**	7.20672E-05
7.48255E-05	7.91273E-05	2.03796E-05	6.58946E-05	0.00019546	7.37852E-05	7.7949E-05	2.06024E-05	6.58946E-05	0.000201741	**3182**	7.40418E-05
8.05739E-05	8.52363E-05	2.15637E-05	7.14908E-05	0.000190968	7.97769E-05	8.43056E-05	2.19345E-05	7.14908E-05	0.000194724	**3183**	7.96781E-05

8.50174E-05	8.99418E-05	2.269E-05	7.53295E-05	0.000179793	8.41388E-05	8.892E-05	2.30706E-05	7.53295E-05	0.000182367	**3184**	8.40462E-05
8.74184E-05	9.2474E-05	2.34313E-05	7.71877E-05	0.000171728	8.63689E-05	9.12702E-05	2.37666E-05	7.71877E-05	0.00017348	**3185**	8.64218E-05
9.31248E-05	9.84319E-05	2.59554E-05	8.0806E-05	0.000167335	9.11506E-05	9.6254E-05	2.59667E-05	8.0806E-05	0.000168669	**3186**	9.21955E-05
0.000100589	0.000106184	2.97711E-05	8.45082E-05	0.000150392	9.68219E-05	0.000102122	2.91299E-05	8.45082E-05	0.000154015	**3187**	9.9789E-05
0.000102038	0.000107636	3.11905E-05	8.41734E-05	0.000134276	9.72988E-05	0.000102554	3.01723E-05	8.41734E-05	0.000140072	**3188**	0.000101346
0.000100654	0.0001062	3.0457E-05	8.08209E-05	0.000121358	9.49823E-05	0.000100119	2.93778E-05	8.08209E-05	0.000127812	**3189**	0.000100063
9.36673E-05	9.88921E-05	2.75395E-05	7.36925E-05	0.000109808	8.78115E-05	9.26002E-05	2.6648E-05	7.36925E-05	0.000116877	**3190**	9.31686E-05
8.15605E-05	8.6153E-05	2.34349E-05	6.46391E-05	0.000105617	7.67839E-05	8.10054E-05	2.28646E-05	6.46391E-05	0.000112249	**3191**	8.11227E-05
7.05928E-05	7.46592E-05	1.91256E-05	5.67753E-05	0.000103361	6.70627E-05	7.08283E-05	1.89669E-05	5.67753E-05	0.000109769	**3192**	7.00853E-05
6.09211E-05	6.45268E-05	1.52845E-05	5.03279E-05	0.000105617	5.87287E-05	6.21074E-05	1.5575E-05	5.03279E-05	0.000112288	**3193**	6.03858E-05
5.77332E-05	6.12074E-05	1.37617E-05	4.83721E-05	0.000107933	5.61093E-05	5.93861E-05	1.42564E-05	4.83721E-05	0.000114887	**3194**	5.71366E-05
5.83792E-05	6.19115E-05	1.36725E-05	4.98751E-05	0.000115776	5.72379E-05	6.05953E-05	1.43545E-05	4.98751E-05	0.000123613	**3195**	5.77911E-05
6.15229E-05	6.52426E-05	1.44447E-05	5.38402E-05	0.000126984	6.09205E-05	6.44886E-05	1.53459E-05	5.38402E-05	0.000136046	**3196**	6.09887E-05
6.65286E-05	7.05243E-05	1.5957E-05	5.88115E-05	0.000139329	6.6096E-05	6.99437E-05	1.69514E-05	5.88115E-05	0.000149711	**3197**	6.60325E-05
7.14748E-05	7.57365E-05	1.75363E-05	6.24304E-05	0.000149815	7.05814E-05	7.46671E-05	1.83967E-05	6.24304E-05	0.000161477	**3198**	7.09209E-05
7.22511E-05	7.6475E-05	1.87909E-05	6.29003E-05	0.000205688	7.10594E-05	7.51163E-05	1.92425E-05	6.29003E-05	0.000211062	**3199**	7.15693E-05
7.00638E-05	7.40948E-05	1.90449E-05	6.17969E-05	0.000209226	6.9142E-05	7.30463E-05	1.92736E-05	6.17969E-05	0.000215106	**3200**	6.93287E-05
7.0467E-05	7.45015E-05	1.94036E-05	6.2058E-05	0.000212338	6.94493E-05	7.33528E-05	1.95908E-05	6.2058E-05	0.000218502	**3201**	6.97846E-05
7.13421E-05	7.54081E-05	1.98794E-05	6.24549E-05	0.000213139	7.00913E-05	7.40146E-05	1.99808E-05	6.24549E-05	0.000219356	**3202**	7.0679E-05
7.19555E-05	7.6052E-05	2.01072E-05	6.19966E-05	0.000213367	7.02118E-05	7.41401E-05	2.00364E-05	6.19966E-05	0.000219583	**3203**	7.1211E-05
7.15747E-05	7.56601E-05	1.98677E-05	6.19688E-05	0.000206732	7.0007E-05	7.3933E-05	1.9862E-05	6.19688E-05	0.000214248	**3204**	7.08265E-05
7.27976E-05	7.69558E-05	2.01677E-05	6.34778E-05	0.000204116	7.14237E-05	7.54309E-05	2.02418E-05	6.34778E-05	0.000211339	**3205**	7.20672E-05
7.48255E-05	7.91273E-05	2.03796E-05	6.58946E-05	0.00019546	7.37852E-05	7.7949E-05	2.06024E-05	6.58946E-05	0.000201741	**3206**	7.40418E-05
8.05739E-05	8.52363E-05	2.15637E-05	7.14908E-05	0.000190968	7.97769E-05	8.43056E-05	2.19345E-05	7.14908E-05	0.000194724	**3207**	7.96781E-05
8.50174E-05	8.99418E-05	2.269E-05	7.53295E-05	0.000179793	8.41388E-05	8.892E-05	2.30706E-05	7.53295E-05	0.000182367	**3208**	8.40462E-05
8.74184E-05	9.2474E-05	2.34313E-05	7.71877E-05	0.000171728	8.63689E-05	9.12702E-05	2.37666E-05	7.71877E-05	0.00017348	**3209**	8.64218E-05
9.31248E-05	9.84319E-05	2.59554E-05	8.0806E-05	0.000167335	9.11506E-05	9.6254E-05	2.59667E-05	8.0806E-05	0.000168669	**3210**	9.21955E-05
0.000100589	0.000106184	2.97711E-05	8.45082E-05	0.000150392	9.68219E-05	0.000102122	2.91299E-05	8.45082E-05	0.000154015	**3211**	9.9789E-05
0.000102038	0.000107636	3.11905E-05	8.41734E-05	0.000134276	9.72988E-05	0.000102554	3.01723E-05	8.41734E-05	0.000140072	**3212**	0.000101346
0.000100654	0.0001062	3.0457E-05	8.08209E-05	0.000121358	9.49823E-05	0.000100119	2.93778E-05	8.08209E-05	0.000127812	**3213**	0.000100063
9.36673E-05	9.88921E-05	2.75395E-05	7.36925E-05	0.000109808	8.78115E-05	9.26002E-05	2.6648E-05	7.36925E-05	0.000116877	**3214**	9.31686E-05
8.15605E-05	8.6153E-05	2.34349E-05	6.46391E-05	0.000105617	7.67839E-05	8.10054E-05	2.28646E-05	6.46391E-05	0.000112249	**3215**	8.11227E-05
7.05928E-05	7.46592E-05	1.91256E-05	5.67753E-05	0.000103361	6.70627E-05	7.08283E-05	1.89669E-05	5.67753E-05	0.000109769	**3216**	7.00853E-05
6.13257E-05	6.49561E-05	1.53776E-05	5.07324E-05	0.000104705	5.91537E-05	6.25575E-05	1.56792E-05	5.07324E-05	0.000111261	**3217**	6.07861E-05
5.74826E-05	6.09407E-05	1.37153E-05	4.81799E-05	0.000108586	5.58716E-05	5.91333E-05	1.42116E-05	4.81799E-05	0.000115615	**3218**	5.68969E-05
5.84566E-05	6.19932E-05	1.36946E-05	4.99751E-05	0.000116555	5.7329E-05	6.06915E-05	1.43821E-05	4.99751E-05	0.000124481	**3219**	5.78708E-05
6.18313E-05	6.55696E-05	1.45175E-05	5.4158E-05	0.00012791	6.12485E-05	6.48359E-05	1.54286E-05	5.4158E-05	0.000137076	**3220**	6.12952E-05
6.67194E-05	7.07257E-05	1.60131E-05	5.90653E-05	0.000140678	6.6324E-05	7.0184E-05	1.7022E-05	5.90653E-05	0.000151208	**3221**	6.62302E-05
7.17794E-05	7.60587E-05	1.76175E-05	6.27921E-05	0.000151668	7.09264E-05	7.50314E-05	1.84946E-05	6.27921E-05	0.000163529	**3222**	7.12303E-05
7.39847E-05	7.83355E-05	1.89193E-05	6.33323E-05	0.000208132	7.23101E-05	7.64544E-05	1.93765E-05	6.33323E-05	0.000213767	**3223**	7.33044E-05
7.0312E-05	7.43587E-05	1.90939E-05	6.20029E-05	0.000211926	6.93842E-05	7.33036E-05	1.93233E-05	6.20029E-05	0.000218095	**3224**	6.95682E-05
7.06413E-05	7.46874E-05	1.9431E-05	6.21665E-05	0.000215036	6.96035E-05	7.35173E-05	1.96134E-05	6.21665E-05	0.000221487	**3225**	6.99477E-05
7.13956E-05	7.54647E-05	1.98951E-05	6.25256E-05	0.000215805	7.0155E-05	7.40818E-05	2.00005E-05	6.25256E-05	0.000222303	**3226**	7.07344E-05
7.19108E-05	7.60047E-05	2.00952E-05	6.19431E-05	0.000215958	7.01609E-05	7.40864E-05	2.00219E-05	6.19431E-05	0.000222443	**3227**	7.11655E-05
7.13263E-05	7.53964E-05	1.98125E-05	6.17306E-05	0.000209221	6.97505E-05	7.36612E-05	1.98014E-05	6.17306E-05	0.000216993	**3228**	7.05821E-05
7.23331E-05	7.64626E-05	2.00671E-05	6.30459E-05	0.000206326	7.09501E-05	7.49287E-05	2.01331E-05	6.30459E-05	0.000213776	**3229**	7.16123E-05
7.46014E-05	7.88884E-05	2.03423E-05	6.57441E-05	0.000197346	7.35821E-05	7.77326E-05	2.05697E-05	6.57441E-05	0.000203814	**3230**	7.38305E-05
8.08912E-05	8.55724E-05	2.16436E-05	7.18435E-05	0.000192666	8.01258E-05	8.46744E-05	2.20283E-05	7.18435E-05	0.000196588	**3231**	7.99971E-05
8.62445E-05	9.12452E-05	2.2953E-05	7.64554E-05	0.000181557	8.53834E-05	9.024E-05	2.33525E-05	7.64554E-05	0.000184307	**3232**	8.52458E-05
8.86909E-05	9.38251E-05	2.37092E-05	7.83821E-05	0.000173354	8.76713E-05	9.2651E-05	2.40681E-05	7.83821E-05	0.000175267	**3233**	8.76695E-05
9.43562E-05	9.97394E-05	2.6222E-05	8.19499E-05	0.000168819	9.24057E-05	9.75849E-05	2.62544E-05	8.19499E-05	0.000170304	**3234**	9.34013E-05
0.000101722	0.000107387	3.00132E-05	8.55439E-05	0.000152079	9.79693E-05	0.000103339	2.93889E-05	8.55439E-05	0.000155878	**3235**	0.000100896
0.000103119	0.000108784	3.14239E-05	8.51742E-05	0.000135868	9.83994E-05	0.000103721	3.04237E-05	8.51742E-05	0.000141828	**3236**	0.000102405
0.000100144	0.000105638	3.06022E-05	8.15708E-05	0.000122918	9.49987E-05	0.000100123	2.95451E-05	8.15708E-05	0.000129529	**3237**	9.95326E-05
9.44122E-05	9.96831E-05	2.77007E-05	7.43841E-05	0.000111276	8.85706E-05	9.3405E-05	2.68219E-05	7.43841E-05	0.00011849	**3238**	9.3898E-05
8.20206E-05	8.66413E-05	2.35372E-05	6.50806E-05	0.000106955	7.7259E-05	8.15089E-05	2.29768E-05	6.50806E-05	0.000113718	**3239**	8.15752E-05
7.09765E-05	7.50665E-05	1.92106E-05	5.71419E-05	0.00010455	6.74583E-05	7.12476E-05	1.906E-05	5.71419E-05	0.000111072	**3240**	7.04625E-05
6.13257E-05	6.49561E-05	1.53776E-05	5.07324E-05	0.000104705	5.91537E-05	6.25575E-05	1.56792E-05	5.07324E-05	0.000111261	**3241**	6.07861E-05
5.74826E-05	6.09407E-05	1.37153E-05	4.81799E-05	0.000108586	5.58716E-05	5.91333E-05	1.42116E-05	4.81799E-05	0.000115615	**3242**	5.68969E-05
5.84566E-05	6.19932E-05	1.36946E-05	4.99751E-05	0.000116555	5.7329E-05	6.06915E-05	1.43821E-05	4.99751E-05	0.000124481	**3243**	5.78708E-05
6.18313E-05	6.55696E-05	1.45175E-05	5.4158E-05	0.00012791	6.12485E-05	6.48359E-05	1.54286E-05	5.4158E-05	0.000137076	**3244**	6.12952E-05
6.67194E-05	7.07257E-05	1.60131E-05	5.90653E-05	0.000140678	6.6324E-05	7.0184E-05	1.7022E-05	5.90653E-05	0.000151208	**3245**	6.62302E-05
7.17794E-05	7.60587E-05	1.76175E-05	6.27921E-05	0.000151668	7.09264E-05	7.50314E-05	1.84946E-05	6.27921E-05	0.000163529	**3246**	7.12303E-05
7.39847E-05	7.83355E-05	1.89193E-05	6.33323E-05	0.000208132	7.23101E-05	7.64544E-05	1.93765E-05	6.33323E-05	0.000213767	**3247**	7.33044E-05
7.0312E-05	7.43587E-05	1.90939E-05	6.20029E-05	0.000211926	6.93842E-05	7.33036E-05	1.93233E-05	6.20029E-05	0.000218095	**3248**	6.95682E-05
7.06413E-05	7.46874E-05	1.9431E-05	6.21665E-05	0.000215036	6.96035E-05	7.35173E-05	1.96134E-05	6.21665E-05	0.000221487	**3249**	6.99477E-05
7.13956E-05	7.54647E-05	1.98951E-05	6.25256E-05	0.000215805	7.0155E-05	7.40818E-05	2.00005E-05	6.25256E-05	0.000222303	**3250**	7.07344E-05
7.19108E-05	7.60047E-05	2.00952E-05	6.19431E-05	0.000215958	7.01609E-05	7.40864E-05	2.00219E-05	6.19431E-05	0.000222443	**3251**	7.11655E-05
7.13263E-05	7.53964E-05	1.98125E-05	6.17306E-05	0.000209221	6.97505E-05	7.36612E-05	1.98014E-05	6.17306E-05	0.000216993	**3252**	7.05821E-05
7.23331E-05	7.64626E-05	2.00671E-05	6.30459E-05	0.000206326	7.09501E-05	7.49287E-05	2.01331E-05	6.30459E-05	0.000213776	**3253**	7.16123E-05
7.46014E-05	7.88884E-05	2.03423E-05	6.57441E-05	0.000197346	7.35821E-05	7.77326E-05	2.05697E-05	6.57441E-05	0.000203814	**3254**	7.38305E-05
8.08912E-05	8.55724E-05	2.16436E-05	7.18435E-05	0.000192666	8.01258E-05	8.46744E-05	2.20283E-05	7.18435E-05	0.000196588	**3255**	7.99971E-05
8.62445E-05	9.12452E-05	2.2953E-05	7.64554E-05	0.000181557	8.53834E-05	9.024E-05	2.33525E-05	7.64554E-05	0.000184307	**3256**	8.52458E-05
8.86909E-05	9.38251E-05	2.37092E-05	7.83821E-05	0.000173354	8.76713E-05	9.2651E-05	2.40681E-05	7.83821E-05	0.000175267	**3257**	8.76695E-05
9.43562E-05	9.97394E-05	2.6222E-05	8.19499E-05	0.000168819	9.24057E-05	9.75849E-05	2.62544E-05	8.19499E-05	0.000170304	**3258**	9.34013E-05
0.000101722	0.000107387	3.00132E-05	8.55439E-05	0.000152079	9.79693E-05	0.000103339	2.93889E-05	8.55439E-05	0.000155878	**3259**	0.000100896

0.000103119	0.000108784	3.14239E-05	8.51742E-05	0.000135868	9.83994E-05	0.000103721	3.04237E-05	8.51742E-05	0.000141828	**3260**	0.000102405
0.000100144	0.000105638	3.06022E-05	8.15708E-05	0.000122918	9.49987E-05	0.000100123	2.95451E-05	8.15708E-05	0.000129529	**3261**	9.95326E-05
9.44122E-05	9.96831E-05	2.77007E-05	7.43841E-05	0.000111276	8.85706E-05	9.3405E-05	2.68219E-05	7.43841E-05	0.00011849	**3262**	9.3898E-05
8.20206E-05	8.66413E-05	2.35372E-05	6.50806E-05	0.000106955	7.7259E-05	8.15089E-05	2.29768E-05	6.50806E-05	0.000113718	**3263**	8.15752E-05
7.09765E-05	7.50665E-05	1.92106E-05	5.71419E-05	0.00010455	6.74583E-05	7.12476E-05	1.906E-05	5.71419E-05	0.000111072	**3264**	7.04625E-05
6.09211E-05	6.45268E-05	1.52845E-05	5.03279E-05	0.000105617	5.87287E-05	6.21074E-05	1.5575E-05	5.03279E-05	0.000112288	**3265**	6.03858E-05
5.77332E-05	6.12074E-05	1.37617E-05	4.83721E-05	0.000107933	5.61093E-05	5.93861E-05	1.42564E-05	4.83721E-05	0.000114887	**3266**	5.71366E-05
5.83792E-05	6.19115E-05	1.36725E-05	4.98751E-05	0.000115776	5.72379E-05	6.05953E-05	1.43545E-05	4.98751E-05	0.000123613	**3267**	5.77911E-05
6.15229E-05	6.52426E-05	1.44447E-05	5.38402E-05	0.000126984	6.09205E-05	6.44886E-05	1.53459E-05	5.38402E-05	0.000136046	**3268**	6.09887E-05
6.65286E-05	7.05243E-05	1.5957E-05	5.88115E-05	0.000139329	6.6096E-05	6.99437E-05	1.69514E-05	5.88115E-05	0.000149711	**3269**	6.60325E-05
7.14748E-05	7.57365E-05	1.75363E-05	6.24304E-05	0.000149815	7.05814E-05	7.46671E-05	1.83967E-05	6.24304E-05	0.000161477	**3270**	7.09209E-05
7.22511E-05	7.6475E-05	1.87909E-05	6.29003E-05	0.000205688	7.10594E-05	7.51163E-05	1.92425E-05	6.29003E-05	0.000211062	**3271**	7.15693E-05
7.00638E-05	7.40948E-05	1.90449E-05	6.17969E-05	0.000209226	6.9142E-05	7.30463E-05	1.92736E-05	6.17969E-05	0.000215106	**3272**	6.93287E-05
7.0467E-05	7.45015E-05	1.94036E-05	6.2058E-05	0.000212338	6.94493E-05	7.33528E-05	1.95908E-05	6.2058E-05	0.000218502	**3273**	6.97846E-05
7.13421E-05	7.54081E-05	1.98794E-05	6.24549E-05	0.000213139	7.00913E-05	7.40146E-05	1.99808E-05	6.24549E-05	0.000219356	**3274**	7.0679E-05
7.19555E-05	7.6052E-05	2.01072E-05	6.19966E-05	0.000213367	7.02118E-05	7.41401E-05	2.00364E-05	6.19966E-05	0.000219583	**3275**	7.1211E-05
7.15747E-05	7.56601E-05	1.98677E-05	6.19688E-05	0.000206732	7.0007E-05	7.3933E-05	1.9862E-05	6.19688E-05	0.000214248	**3276**	7.08265E-05
7.27976E-05	7.69558E-05	2.01677E-05	6.34778E-05	0.000204116	7.14237E-05	7.54309E-05	2.02418E-05	6.34778E-05	0.000211339	**3277**	7.20672E-05
7.48255E-05	7.91273E-05	2.03796E-05	6.58946E-05	0.00019546	7.37852E-05	7.7949E-05	2.06024E-05	6.58946E-05	0.000201741	**3278**	7.40418E-05
8.05739E-05	8.52363E-05	2.15637E-05	7.14908E-05	0.000190968	7.97769E-05	8.43056E-05	2.19345E-05	7.14908E-05	0.000194724	**3279**	7.96781E-05
8.50174E-05	8.99418E-05	2.269E-05	7.53295E-05	0.000179793	8.41388E-05	8.892E-05	2.30706E-05	7.53295E-05	0.000182367	**3280**	8.40462E-05
8.74184E-05	9.2474E-05	2.34313E-05	7.71877E-05	0.000171728	8.63689E-05	9.12702E-05	2.37666E-05	7.71877E-05	0.00017348	**3281**	8.64218E-05
9.31248E-05	9.84319E-05	2.59554E-05	8.0806E-05	0.000167335	9.11506E-05	9.6254E-05	2.59667E-05	8.0806E-05	0.000168669	**3282**	9.21955E-05
0.000100589	0.000106184	2.97711E-05	8.45082E-05	0.000150392	9.68219E-05	0.000102122	2.91299E-05	8.45082E-05	0.000154015	**3283**	9.9789E-05
0.000102038	0.000107636	3.11905E-05	8.41734E-05	0.000134276	9.72988E-05	0.000102554	3.01723E-05	8.41734E-05	0.000140072	**3284**	0.000101346
0.000100654	0.0001062	3.0457E-05	8.08209E-05	0.000121358	9.49823E-05	0.000100119	2.93778E-05	8.08209E-05	0.000127812	**3285**	0.000100063
9.36673E-05	9.88921E-05	2.75395E-05	7.36925E-05	0.000109808	8.78115E-05	9.26002E-05	2.6648E-05	7.36925E-05	0.000116877	**3286**	9.31686E-05
8.15605E-05	8.6153E-05	2.34349E-05	6.46391E-05	0.000105617	7.67839E-05	8.10054E-05	2.28646E-05	6.46391E-05	0.000112249	**3287**	8.11227E-05
7.05928E-05	7.46592E-05	1.91256E-05	5.67753E-05	0.000103361	6.70627E-05	7.08283E-05	1.89669E-05	5.67753E-05	0.000109769	**3288**	7.00853E-05
6.09211E-05	6.45268E-05	1.52845E-05	5.03279E-05	0.000105617	5.87287E-05	6.21074E-05	1.5575E-05	5.03279E-05	0.000112288	**3289**	6.03858E-05
5.77332E-05	6.12074E-05	1.37617E-05	4.83721E-05	0.000107933	5.61093E-05	5.93861E-05	1.42564E-05	4.83721E-05	0.000114887	**3290**	5.71366E-05
5.83792E-05	6.19115E-05	1.36725E-05	4.98751E-05	0.000115776	5.72379E-05	6.05953E-05	1.43545E-05	4.98751E-05	0.000123613	**3291**	5.77911E-05
6.15229E-05	6.52426E-05	1.44447E-05	5.38402E-05	0.000126984	6.09205E-05	6.44886E-05	1.53459E-05	5.38402E-05	0.000136046	**3292**	6.09887E-05
6.65286E-05	7.05243E-05	1.5957E-05	5.88115E-05	0.000139329	6.6096E-05	6.99437E-05	1.69514E-05	5.88115E-05	0.000149711	**3293**	6.60325E-05
7.14748E-05	7.57365E-05	1.75363E-05	6.24304E-05	0.000149815	7.05814E-05	7.46671E-05	1.83967E-05	6.24304E-05	0.000161477	**3294**	7.09209E-05
7.22511E-05	7.6475E-05	1.87909E-05	6.29003E-05	0.000205688	7.10594E-05	7.51163E-05	1.92425E-05	6.29003E-05	0.000211062	**3295**	7.15693E-05
7.00638E-05	7.40948E-05	1.90449E-05	6.17969E-05	0.000209226	6.9142E-05	7.30463E-05	1.92736E-05	6.17969E-05	0.000215106	**3296**	6.93287E-05
7.0467E-05	7.45015E-05	1.94036E-05	6.2058E-05	0.000212338	6.94493E-05	7.33528E-05	1.95908E-05	6.2058E-05	0.000218502	**3297**	6.97846E-05
7.13421E-05	7.54081E-05	1.98794E-05	6.24549E-05	0.000213139	7.00913E-05	7.40146E-05	1.99808E-05	6.24549E-05	0.000219356	**3298**	7.0679E-05
7.19555E-05	7.6052E-05	2.01072E-05	6.19966E-05	0.000213367	7.02118E-05	7.41401E-05	2.00364E-05	6.19966E-05	0.000219583	**3299**	7.1211E-05
7.15747E-05	7.56601E-05	1.98677E-05	6.19688E-05	0.000206732	7.0007E-05	7.3933E-05	1.9862E-05	6.19688E-05	0.000214248	**3300**	7.08265E-05
7.27976E-05	7.69558E-05	2.01677E-05	6.34778E-05	0.000204116	7.14237E-05	7.54309E-05	2.02418E-05	6.34778E-05	0.000211339	**3301**	7.20672E-05
7.48255E-05	7.91273E-05	2.03796E-05	6.58946E-05	0.00019546	7.37852E-05	7.7949E-05	2.06024E-05	6.58946E-05	0.000201741	**3302**	7.40418E-05
8.05739E-05	8.52363E-05	2.15637E-05	7.14908E-05	0.000190968	7.97769E-05	8.43056E-05	2.19345E-05	7.14908E-05	0.000194724	**3303**	7.96781E-05
8.50174E-05	8.99418E-05	2.269E-05	7.53295E-05	0.000179793	8.41388E-05	8.892E-05	2.30706E-05	7.53295E-05	0.000182367	**3304**	8.40462E-05
8.74184E-05	9.2474E-05	2.34313E-05	7.71877E-05	0.000171728	8.63689E-05	9.12702E-05	2.37666E-05	7.71877E-05	0.00017348	**3305**	8.64218E-05
9.31248E-05	9.84319E-05	2.59554E-05	8.0806E-05	0.000167335	9.11506E-05	9.6254E-05	2.59667E-05	8.0806E-05	0.000168669	**3306**	9.21955E-05
0.000100589	0.000106184	2.97711E-05	8.45082E-05	0.000150392	9.68219E-05	0.000102122	2.91299E-05	8.45082E-05	0.000154015	**3307**	9.9789E-05
0.000102038	0.000107636	3.11905E-05	8.41734E-05	0.000134276	9.72988E-05	0.000102554	3.01723E-05	8.41734E-05	0.000140072	**3308**	0.000101346
0.000100654	0.0001062	3.0457E-05	8.08209E-05	0.000121358	9.49823E-05	0.000100119	2.93778E-05	8.08209E-05	0.000127812	**3309**	0.000100063
9.36673E-05	9.88921E-05	2.75395E-05	7.36925E-05	0.000109808	8.78115E-05	9.26002E-05	2.6648E-05	7.36925E-05	0.000116877	**3310**	9.31686E-05
8.15605E-05	8.6153E-05	2.34349E-05	6.46391E-05	0.000105617	7.67839E-05	8.10054E-05	2.28646E-05	6.46391E-05	0.000112249	**3311**	8.11227E-05
7.05928E-05	7.46592E-05	1.91256E-05	5.67753E-05	0.000103361	6.70627E-05	7.08283E-05	1.89669E-05	5.67753E-05	0.000109769	**3312**	7.00853E-05
6.09211E-05	6.45268E-05	1.52845E-05	5.03279E-05	0.000105617	5.87287E-05	6.21074E-05	1.5575E-05	5.03279E-05	0.000112288	**3313**	6.03858E-05
5.77332E-05	6.12074E-05	1.37617E-05	4.83721E-05	0.000107933	5.61093E-05	5.93861E-05	1.42564E-05	4.83721E-05	0.000114887	**3314**	5.71366E-05
5.83792E-05	6.19115E-05	1.36725E-05	4.98751E-05	0.000115776	5.72379E-05	6.05953E-05	1.43545E-05	4.98751E-05	0.000123613	**3315**	5.77911E-05
6.15229E-05	6.52426E-05	1.44447E-05	5.38402E-05	0.000126984	6.09205E-05	6.44886E-05	1.53459E-05	5.38402E-05	0.000136046	**3316**	6.09887E-05
6.65286E-05	7.05243E-05	1.5957E-05	5.88115E-05	0.000139329	6.6096E-05	6.99437E-05	1.69514E-05	5.88115E-05	0.000149711	**3317**	6.60325E-05
7.14748E-05	7.57365E-05	1.75363E-05	6.24304E-05	0.000149815	7.05814E-05	7.46671E-05	1.83967E-05	6.24304E-05	0.000161477	**3318**	7.09209E-05
7.22511E-05	7.6475E-05	1.87909E-05	6.29003E-05	0.000205688	7.10594E-05	7.51163E-05	1.92425E-05	6.29003E-05	0.000211062	**3319**	7.15693E-05
7.00638E-05	7.40948E-05	1.90449E-05	6.17969E-05	0.000209226	6.9142E-05	7.30463E-05	1.92736E-05	6.17969E-05	0.000215106	**3320**	6.93287E-05
7.0467E-05	7.45015E-05	1.94036E-05	6.2058E-05	0.000212338	6.94493E-05	7.33528E-05	1.95908E-05	6.2058E-05	0.000218502	**3321**	6.97846E-05
7.13421E-05	7.54081E-05	1.98794E-05	6.24549E-05	0.000213139	7.00913E-05	7.40146E-05	1.99808E-05	6.24549E-05	0.000219356	**3322**	7.0679E-05
7.19555E-05	7.6052E-05	2.01072E-05	6.19966E-05	0.000213367	7.02118E-05	7.41401E-05	2.00364E-05	6.19966E-05	0.000219583	**3323**	7.1211E-05
7.15747E-05	7.56601E-05	1.98677E-05	6.19688E-05	0.000206732	7.0007E-05	7.3933E-05	1.9862E-05	6.19688E-05	0.000214248	**3324**	7.08265E-05
7.27976E-05	7.69558E-05	2.01677E-05	6.34778E-05	0.000204116	7.14237E-05	7.54309E-05	2.02418E-05	6.34778E-05	0.000211339	**3325**	7.20672E-05
7.48255E-05	7.91273E-05	2.03796E-05	6.58946E-05	0.00019546	7.37852E-05	7.7949E-05	2.06024E-05	6.58946E-05	0.000201741	**3326**	7.40418E-05
8.05739E-05	8.52363E-05	2.15637E-05	7.14908E-05	0.000190968	7.97769E-05	8.43056E-05	2.19345E-05	7.14908E-05	0.000194724	**3327**	7.96781E-05
8.50174E-05	8.99418E-05	2.269E-05	7.53295E-05	0.000179793	8.41388E-05	8.892E-05	2.30706E-05	7.53295E-05	0.000182367	**3328**	8.40462E-05
8.74184E-05	9.2474E-05	2.34313E-05	7.71877E-05	0.000171728	8.63689E-05	9.12702E-05	2.37666E-05	7.71877E-05	0.00017348	**3329**	8.64218E-05
9.31248E-05	9.84319E-05	2.59554E-05	8.0806E-05	0.000167335	9.11506E-05	9.6254E-05	2.59667E-05	8.0806E-05	0.000168669	**3330**	9.21955E-05
0.000100589	0.000106184	2.97711E-05	8.45082E-05	0.000150392	9.68219E-05	0.000102122	2.91299E-05	8.45082E-05	0.000154015	**3331**	9.9789E-05
0.000102038	0.000107636	3.11905E-05	8.41734E-05	0.000134276	9.72988E-05	0.000102554	3.01723E-05	8.41734E-05	0.000140072	**3332**	0.000101346
0.000100654	0.0001062	3.0457E-05	8.08209E-05	0.000121358	9.49823E-05	0.000100119	2.93778E-05	8.08209E-05	0.000127812	**3333**	0.000100063
9.36673E-05	9.88921E-05	2.75395E-05	7.36925E-05	0.000109808	8.78115E-05	9.26002E-05	2.6648E-05	7.36925E-05	0.000116877	**3334**	9.31686E-05
8.15605E-05	8.6153E-05	2.34349E-05	6.46391E-05	0.000105617	7.67839E-05	8.10054E-05	2.28646E-05	6.46391E-05	0.000112249	**3335**	8.11227E-05

7.05928E-05	7.46592E-05	1.91256E-05	5.67753E-05	0.000103361	6.70627E-05	7.08283E-05	1.89669E-05	5.67753E-05	0.000109769	**3336**	7.00853E-05
6.09211E-05	6.45268E-05	1.52845E-05	5.03279E-05	0.000105617	5.87287E-05	6.21074E-05	1.5575E-05	5.03279E-05	0.000112288	**3337**	6.03858E-05
5.77332E-05	6.12074E-05	1.37617E-05	4.83721E-05	0.000107933	5.61093E-05	5.93861E-05	1.42564E-05	4.83721E-05	0.000114887	**3338**	5.71366E-05
5.83792E-05	6.19115E-05	1.36725E-05	4.98751E-05	0.000115776	5.72379E-05	6.05953E-05	1.43545E-05	4.98751E-05	0.000123613	**3339**	5.77911E-05
6.15229E-05	6.52426E-05	1.44447E-05	5.38402E-05	0.000126984	6.09205E-05	6.44886E-05	1.53459E-05	5.38402E-05	0.000136046	**3340**	6.09887E-05
6.65286E-05	7.05243E-05	1.5957E-05	5.88115E-05	0.000139329	6.6096E-05	6.99437E-05	1.69514E-05	5.88115E-05	0.000149711	**3341**	6.60325E-05
7.14748E-05	7.57365E-05	1.75363E-05	6.24304E-05	0.000149815	7.05814E-05	7.46671E-05	1.83967E-05	6.24304E-05	0.000161477	**3342**	7.09209E-05
7.22511E-05	7.6475E-05	1.87909E-05	6.29003E-05	0.000205688	7.10594E-05	7.51163E-05	1.92425E-05	6.29003E-05	0.000211062	**3343**	7.15693E-05
7.00638E-05	7.40948E-05	1.90449E-05	6.17969E-05	0.000209226	6.9142E-05	7.30463E-05	1.92736E-05	6.17969E-05	0.000215106	**3344**	6.93287E-05
7.0467E-05	7.45015E-05	1.94036E-05	6.2058E-05	0.000212338	6.94493E-05	7.33528E-05	1.95908E-05	6.2058E-05	0.000218502	**3345**	6.97846E-05
7.13421E-05	7.54081E-05	1.98794E-05	6.24549E-05	0.000213139	7.00913E-05	7.40146E-05	1.99808E-05	6.24549E-05	0.000219356	**3346**	7.0679E-05
7.19555E-05	7.6052E-05	2.01072E-05	6.19966E-05	0.000213367	7.02118E-05	7.41401E-05	2.00364E-05	6.19966E-05	0.000219583	**3347**	7.1211E-05
7.15747E-05	7.56601E-05	1.98677E-05	6.19688E-05	0.000206732	7.0007E-05	7.3933E-05	1.9862E-05	6.19688E-05	0.000214248	**3348**	7.08265E-05
7.27976E-05	7.69558E-05	2.01677E-05	6.34778E-05	0.000204116	7.14237E-05	7.54309E-05	2.02418E-05	6.34778E-05	0.000211339	**3349**	7.20672E-05
7.48255E-05	7.91273E-05	2.03796E-05	6.58946E-05	0.00019546	7.37852E-05	7.7949E-05	2.06024E-05	6.58946E-05	0.000201741	**3350**	7.40418E-05
8.05739E-05	8.52363E-05	2.15637E-05	7.14908E-05	0.000190968	7.97769E-05	8.43056E-05	2.19345E-05	7.14908E-05	0.000194724	**3351**	7.96781E-05
8.50174E-05	8.99418E-05	2.269E-05	7.53295E-05	0.000179793	8.41388E-05	8.892E-05	2.30706E-05	7.53295E-05	0.000182367	**3352**	8.40462E-05
8.74184E-05	9.2474E-05	2.34313E-05	7.71877E-05	0.000171728	8.63689E-05	9.12702E-05	2.37666E-05	7.71877E-05	0.00017348	**3353**	8.64218E-05
9.31248E-05	9.84319E-05	2.59554E-05	8.0806E-05	0.000167335	9.11506E-05	9.6254E-05	2.59667E-05	8.0806E-05	0.000168669	**3354**	9.21955E-05
0.000100589	0.000106184	2.97711E-05	8.45082E-05	0.000150392	9.68219E-05	0.000102122	2.91299E-05	8.45082E-05	0.000154015	**3355**	9.9789E-05
0.000102038	0.000107636	3.11905E-05	8.41734E-05	0.000134276	9.72988E-05	0.000102554	3.01723E-05	8.41734E-05	0.000140072	**3356**	0.000101346
0.000100654	0.0001062	3.0457E-05	8.08209E-05	0.000121358	9.49823E-05	0.000100119	2.93778E-05	8.08209E-05	0.000127812	**3357**	0.000100063
9.36673E-05	9.88921E-05	2.75395E-05	7.36925E-05	0.000109808	8.78115E-05	9.26002E-05	2.6648E-05	7.36925E-05	0.000116877	**3358**	9.31686E-05
8.15605E-05	8.6153E-05	2.34349E-05	6.46391E-05	0.000105617	7.67839E-05	8.10054E-05	2.28646E-05	6.46391E-05	0.000112249	**3359**	8.11227E-05
7.05928E-05	7.46592E-05	1.91256E-05	5.67753E-05	0.000103361	6.70627E-05	7.08283E-05	1.89669E-05	5.67753E-05	0.000109769	**3360**	7.00853E-05
6.09211E-05	6.45268E-05	1.52845E-05	5.03279E-05	0.000105617	5.87287E-05	6.21074E-05	1.5575E-05	5.03279E-05	0.000112288	**3361**	6.03858E-05
5.77332E-05	6.12074E-05	1.37617E-05	4.83721E-05	0.000107933	5.61093E-05	5.93861E-05	1.42564E-05	4.83721E-05	0.000114887	**3362**	5.71366E-05
5.83792E-05	6.19115E-05	1.36725E-05	4.98751E-05	0.000115776	5.72379E-05	6.05953E-05	1.43545E-05	4.98751E-05	0.000123613	**3363**	5.77911E-05
6.15229E-05	6.52426E-05	1.44447E-05	5.38402E-05	0.000126984	6.09205E-05	6.44886E-05	1.53459E-05	5.38402E-05	0.000136046	**3364**	6.09887E-05
6.65286E-05	7.05243E-05	1.5957E-05	5.88115E-05	0.000139329	6.6096E-05	6.99437E-05	1.69514E-05	5.88115E-05	0.000149711	**3365**	6.60325E-05
7.14748E-05	7.57365E-05	1.75363E-05	6.24304E-05	0.000149815	7.05814E-05	7.46671E-05	1.83967E-05	6.24304E-05	0.000161477	**3366**	7.09209E-05
7.22511E-05	7.6475E-05	1.87909E-05	6.29003E-05	0.000205688	7.10594E-05	7.51163E-05	1.92425E-05	6.29003E-05	0.000211062	**3367**	7.15693E-05
7.00638E-05	7.40948E-05	1.90449E-05	6.17969E-05	0.000209226	6.9142E-05	7.30463E-05	1.92736E-05	6.17969E-05	0.000215106	**3368**	6.93287E-05
7.0467E-05	7.45015E-05	1.94036E-05	6.2058E-05	0.000212338	6.94493E-05	7.33528E-05	1.95908E-05	6.2058E-05	0.000218502	**3369**	6.97846E-05
7.13421E-05	7.54081E-05	1.98794E-05	6.24549E-05	0.000213139	7.00913E-05	7.40146E-05	1.99808E-05	6.24549E-05	0.000219356	**3370**	7.0679E-05
7.19555E-05	7.6052E-05	2.01072E-05	6.19966E-05	0.000213367	7.02118E-05	7.41401E-05	2.00364E-05	6.19966E-05	0.000219583	**3371**	7.1211E-05
7.15747E-05	7.56601E-05	1.98677E-05	6.19688E-05	0.000206732	7.0007E-05	7.3933E-05	1.9862E-05	6.19688E-05	0.000214248	**3372**	7.08265E-05
7.27976E-05	7.69558E-05	2.01677E-05	6.34778E-05	0.000204116	7.14237E-05	7.54309E-05	2.02418E-05	6.34778E-05	0.000211339	**3373**	7.20672E-05
7.48255E-05	7.91273E-05	2.03796E-05	6.58946E-05	0.00019546	7.37852E-05	7.7949E-05	2.06024E-05	6.58946E-05	0.000201741	**3374**	7.40418E-05
8.05739E-05	8.52363E-05	2.15637E-05	7.14908E-05	0.000190968	7.97769E-05	8.43056E-05	2.19345E-05	7.14908E-05	0.000194724	**3375**	7.96781E-05
8.50174E-05	8.99418E-05	2.269E-05	7.53295E-05	0.000179793	8.41388E-05	8.892E-05	2.30706E-05	7.53295E-05	0.000182367	**3376**	8.40462E-05
8.74184E-05	9.2474E-05	2.34313E-05	7.71877E-05	0.000171728	8.63689E-05	9.12702E-05	2.37666E-05	7.71877E-05	0.00017348	**3377**	8.64218E-05
9.31248E-05	9.84319E-05	2.59554E-05	8.0806E-05	0.000167335	9.11506E-05	9.6254E-05	2.59667E-05	8.0806E-05	0.000168669	**3378**	9.21955E-05
0.000100589	0.000106184	2.97711E-05	8.45082E-05	0.000150392	9.68219E-05	0.000102122	2.91299E-05	8.45082E-05	0.000154015	**3379**	9.9789E-05
0.000102038	0.000107636	3.11905E-05	8.41734E-05	0.000134276	9.72988E-05	0.000102554	3.01723E-05	8.41734E-05	0.000140072	**3380**	0.000101346
0.000100654	0.0001062	3.0457E-05	8.08209E-05	0.000121358	9.49823E-05	0.000100119	2.93778E-05	8.08209E-05	0.000127812	**3381**	0.000100063
9.36673E-05	9.88921E-05	2.75395E-05	7.36925E-05	0.000109808	8.78115E-05	9.26002E-05	2.6648E-05	7.36925E-05	0.000116877	**3382**	9.31686E-05
8.15605E-05	8.6153E-05	2.34349E-05	6.46391E-05	0.000105617	7.67839E-05	8.10054E-05	2.28646E-05	6.46391E-05	0.000112249	**3383**	8.11227E-05
7.05928E-05	7.46592E-05	1.91256E-05	5.67753E-05	0.000103361	6.70627E-05	7.08283E-05	1.89669E-05	5.67753E-05	0.000109769	**3384**	7.00853E-05
6.13257E-05	6.49561E-05	1.53776E-05	5.07324E-05	0.000104705	5.91537E-05	6.25575E-05	1.56792E-05	5.07324E-05	0.000111261	**3385**	6.07861E-05
5.74826E-05	6.09407E-05	1.37153E-05	4.81799E-05	0.000108586	5.58716E-05	5.91333E-05	1.42116E-05	4.81799E-05	0.000115615	**3386**	5.68969E-05
5.84566E-05	6.19932E-05	1.36946E-05	4.99751E-05	0.000116555	5.7329E-05	6.06915E-05	1.43821E-05	4.99751E-05	0.000124481	**3387**	5.78708E-05
6.18313E-05	6.55696E-05	1.45175E-05	5.4158E-05	0.00012791	6.12485E-05	6.48359E-05	1.54286E-05	5.4158E-05	0.000137076	**3388**	6.12952E-05
6.67194E-05	7.07257E-05	1.60131E-05	5.90653E-05	0.000140678	6.6324E-05	7.0184E-05	1.7022E-05	5.90653E-05	0.000151208	**3389**	6.62302E-05
7.17794E-05	7.60587E-05	1.76175E-05	6.27921E-05	0.000151668	7.09264E-05	7.50314E-05	1.84946E-05	6.27921E-05	0.000163529	**3390**	7.12303E-05
7.39847E-05	7.83355E-05	1.89193E-05	6.33323E-05	0.000208132	7.23101E-05	7.64544E-05	1.93765E-05	6.33323E-05	0.000213767	**3391**	7.33044E-05
7.0312E-05	7.43587E-05	1.90939E-05	6.20029E-05	0.000211926	6.93842E-05	7.33036E-05	1.93233E-05	6.20029E-05	0.000218095	**3392**	6.95682E-05
7.06413E-05	7.46874E-05	1.9431E-05	6.21665E-05	0.000215036	6.96035E-05	7.35173E-05	1.96134E-05	6.21665E-05	0.000221487	**3393**	6.99477E-05
7.13956E-05	7.54647E-05	1.98951E-05	6.25256E-05	0.000215805	7.0155E-05	7.40818E-05	2.00005E-05	6.25256E-05	0.000222303	**3394**	7.07344E-05
7.19108E-05	7.60047E-05	2.00952E-05	6.19431E-05	0.000215958	7.01609E-05	7.40864E-05	2.00219E-05	6.19431E-05	0.000222443	**3395**	7.11655E-05
7.13263E-05	7.53964E-05	1.98125E-05	6.17306E-05	0.000209221	6.97505E-05	7.36612E-05	1.98014E-05	6.17306E-05	0.000216993	**3396**	7.05821E-05
7.23331E-05	7.64626E-05	2.00671E-05	6.30459E-05	0.000206326	7.09501E-05	7.49287E-05	2.01331E-05	6.30459E-05	0.000213776	**3397**	7.16123E-05
7.46014E-05	7.88884E-05	2.03423E-05	6.57441E-05	0.000197346	7.35821E-05	7.77326E-05	2.05697E-05	6.57441E-05	0.000203814	**3398**	7.38305E-05
8.08912E-05	8.55724E-05	2.16436E-05	7.18435E-05	0.000192666	8.01258E-05	8.46744E-05	2.20283E-05	7.18435E-05	0.000196588	**3399**	7.99971E-05
8.62445E-05	9.12452E-05	2.2953E-05	7.64554E-05	0.000181557	8.53834E-05	9.024E-05	2.33525E-05	7.64554E-05	0.000184307	**3400**	8.52458E-05
8.86909E-05	9.38251E-05	2.37092E-05	7.83821E-05	0.000173354	8.76713E-05	9.2651E-05	2.40681E-05	7.83821E-05	0.000175267	**3401**	8.76695E-05
9.43562E-05	9.97394E-05	2.6222E-05	8.19499E-05	0.000168819	9.24057E-05	9.75849E-05	2.62544E-05	8.19499E-05	0.000170304	**3402**	9.34013E-05
0.000101722	0.000107387	3.00132E-05	8.55439E-05	0.000152079	9.79693E-05	0.000103339	2.93889E-05	8.55439E-05	0.000155878	**3403**	0.000100896
0.000103119	0.000108784	3.14239E-05	8.51742E-05	0.000135868	9.83994E-05	0.000103721	3.04237E-05	8.51742E-05	0.000141828	**3404**	0.000102405
0.000100144	0.000105638	3.06022E-05	8.15708E-05	0.000122918	9.49987E-05	0.000100123	2.95451E-05	8.15708E-05	0.000129529	**3405**	9.95326E-05
9.44122E-05	9.96831E-05	2.77007E-05	7.43841E-05	0.000111276	8.85706E-05	9.3405E-05	2.68219E-05	7.43841E-05	0.00011849	**3406**	9.3898E-05
8.20206E-05	8.66413E-05	2.35372E-05	6.50806E-05	0.000106955	7.7259E-05	8.15089E-05	2.29768E-05	6.50806E-05	0.000113718	**3407**	8.15752E-05
7.09765E-05	7.50665E-05	1.92106E-05	5.71419E-05	0.00010455	6.74583E-05	7.12476E-05	1.906E-05	5.71419E-05	0.000111072	**3408**	7.04625E-05
6.13257E-05	6.49561E-05	1.53776E-05	5.07324E-05	0.000104705	5.91537E-05	6.25575E-05	1.56792E-05	5.07324E-05	0.000111261	**3409**	6.07861E-05
5.74826E-05	6.09407E-05	1.37153E-05	4.81799E-05	0.000108586	5.58716E-05	5.91333E-05	1.42116E-05	4.81799E-05	0.000115615	**3410**	5.68969E-05
5.84566E-05	6.19932E-05	1.36946E-05	4.99751E-05	0.000116555	5.7329E-05	6.06915E-05	1.43821E-05	4.99751E-05	0.000124481	**3411**	5.78708E-05

6.18313E-05	6.55696E-05	1.45175E-05	5.4158E-05	0.00012791	6.12485E-05	6.48359E-05	1.54286E-05	5.4158E-05	0.000137076	**3412**	6.12952E-05
6.67194E-05	7.07257E-05	1.60131E-05	5.90653E-05	0.000140678	6.6324E-05	7.0184E-05	1.7022E-05	5.90653E-05	0.000151208	**3413**	6.62302E-05
7.17794E-05	7.60587E-05	1.76175E-05	6.27921E-05	0.000151668	7.09264E-05	7.50314E-05	1.84946E-05	6.27921E-05	0.000163529	**3414**	7.12303E-05
7.39847E-05	7.83355E-05	1.89193E-05	6.33323E-05	0.000208132	7.23101E-05	7.64544E-05	1.93765E-05	6.33323E-05	0.000213767	**3415**	7.33044E-05
7.0312E-05	7.43587E-05	1.90939E-05	6.20029E-05	0.000211926	6.93842E-05	7.33036E-05	1.93233E-05	6.20029E-05	0.000218095	**3416**	6.95682E-05
7.06413E-05	7.46874E-05	1.9431E-05	6.21665E-05	0.000215036	6.96035E-05	7.35173E-05	1.96134E-05	6.21665E-05	0.000221487	**3417**	6.99477E-05
7.13956E-05	7.54647E-05	1.98951E-05	6.25256E-05	0.000215805	7.0155E-05	7.40818E-05	2.00005E-05	6.25256E-05	0.000222303	**3418**	7.07344E-05
7.19108E-05	7.60047E-05	2.00952E-05	6.19431E-05	0.000215958	7.01609E-05	7.40864E-05	2.00219E-05	6.19431E-05	0.000222443	**3419**	7.11655E-05
7.13263E-05	7.53964E-05	1.98125E-05	6.17306E-05	0.000209221	6.97505E-05	7.36612E-05	1.98014E-05	6.17306E-05	0.000216993	**3420**	7.05821E-05
7.23331E-05	7.64626E-05	2.00671E-05	6.30459E-05	0.000206326	7.09501E-05	7.49287E-05	2.01331E-05	6.30459E-05	0.000213776	**3421**	7.16123E-05
7.46014E-05	7.88884E-05	2.03423E-05	6.57441E-05	0.000197346	7.35821E-05	7.77326E-05	2.05697E-05	6.57441E-05	0.000203814	**3422**	7.38305E-05
8.08912E-05	8.55724E-05	2.16436E-05	7.18435E-05	0.000192666	8.01258E-05	8.46744E-05	2.20283E-05	7.18435E-05	0.000196588	**3423**	7.99971E-05
8.62445E-05	9.12452E-05	2.2953E-05	7.64554E-05	0.000181557	8.53834E-05	9.024E-05	2.33525E-05	7.64554E-05	0.000184307	**3424**	8.52458E-05
8.86909E-05	9.38251E-05	2.37092E-05	7.83821E-05	0.000173354	8.76713E-05	9.2651E-05	2.40681E-05	7.83821E-05	0.000175267	**3425**	8.76695E-05
9.43562E-05	9.97394E-05	2.6222E-05	8.19499E-05	0.000168819	9.24057E-05	9.75849E-05	2.62544E-05	8.19499E-05	0.000170304	**3426**	9.34013E-05
0.000101722	0.000107387	3.00132E-05	8.55439E-05	0.000152079	9.79693E-05	0.000103339	2.93889E-05	8.55439E-05	0.000155878	**3427**	0.000100896
0.000103119	0.000108784	3.14239E-05	8.51742E-05	0.000135868	9.83994E-05	0.000103721	3.04237E-05	8.51742E-05	0.000141828	**3428**	0.000102405
0.000100144	0.000105638	3.06022E-05	8.15708E-05	0.000122918	9.49987E-05	0.000100123	2.95451E-05	8.15708E-05	0.000129529	**3429**	9.95326E-05
9.44122E-05	9.96831E-05	2.77007E-05	7.43841E-05	0.000111276	8.85706E-05	9.3405E-05	2.68219E-05	7.43841E-05	0.00011849	**3430**	9.3898E-05
8.20206E-05	8.66413E-05	2.35372E-05	6.50806E-05	0.000106955	7.7259E-05	8.15089E-05	2.29768E-05	6.50806E-05	0.000113718	**3431**	8.15752E-05
7.09765E-05	7.50665E-05	1.92106E-05	5.71419E-05	0.00010455	6.74583E-05	7.12476E-05	1.906E-05	5.71419E-05	0.000111072	**3432**	7.04625E-05
6.09211E-05	6.45268E-05	1.52845E-05	5.03279E-05	0.000105617	5.87287E-05	6.21074E-05	1.5575E-05	5.03279E-05	0.000112288	**3433**	6.03858E-05
5.77332E-05	6.12074E-05	1.37617E-05	4.83721E-05	0.000107933	5.61093E-05	5.93861E-05	1.42564E-05	4.83721E-05	0.000114887	**3434**	5.71366E-05
5.83792E-05	6.19115E-05	1.36725E-05	4.98751E-05	0.000115776	5.72379E-05	6.05953E-05	1.43545E-05	4.98751E-05	0.000123613	**3435**	5.77911E-05
6.15229E-05	6.52426E-05	1.44447E-05	5.38402E-05	0.000126984	6.09205E-05	6.44886E-05	1.53459E-05	5.38402E-05	0.000136046	**3436**	6.09887E-05
6.65286E-05	7.05243E-05	1.5957E-05	5.88115E-05	0.000139329	6.6096E-05	6.99437E-05	1.69514E-05	5.88115E-05	0.000149711	**3437**	6.60325E-05
7.14748E-05	7.57365E-05	1.75363E-05	6.24304E-05	0.000149815	7.05814E-05	7.46671E-05	1.83967E-05	6.24304E-05	0.000161477	**3438**	7.09209E-05
7.22511E-05	7.6475E-05	1.87909E-05	6.29003E-05	0.000205688	7.10594E-05	7.51163E-05	1.92425E-05	6.29003E-05	0.000211062	**3439**	7.15693E-05
7.00638E-05	7.40948E-05	1.90449E-05	6.17969E-05	0.000209226	6.9142E-05	7.30463E-05	1.92736E-05	6.17969E-05	0.000215106	**3440**	6.93287E-05
7.0467E-05	7.45015E-05	1.94036E-05	6.2058E-05	0.000212338	6.94493E-05	7.33528E-05	1.95908E-05	6.2058E-05	0.000218502	**3441**	6.97846E-05
7.13421E-05	7.54081E-05	1.98794E-05	6.24549E-05	0.000213139	7.00913E-05	7.40146E-05	1.99808E-05	6.24549E-05	0.000219356	**3442**	7.0679E-05
7.19555E-05	7.6052E-05	2.01072E-05	6.19966E-05	0.000213367	7.02118E-05	7.41401E-05	2.00364E-05	6.19966E-05	0.000219583	**3443**	7.1211E-05
7.15747E-05	7.56601E-05	1.98677E-05	6.19688E-05	0.000206732	7.0007E-05	7.3933E-05	1.9862E-05	6.19688E-05	0.000214248	**3444**	7.08265E-05
7.27976E-05	7.69558E-05	2.01677E-05	6.34778E-05	0.000204116	7.14237E-05	7.54309E-05	2.02418E-05	6.34778E-05	0.000211339	**3445**	7.20672E-05
7.48255E-05	7.91273E-05	2.03796E-05	6.58946E-05	0.00019546	7.37852E-05	7.7949E-05	2.06024E-05	6.58946E-05	0.000201741	**3446**	7.40418E-05
8.05739E-05	8.52363E-05	2.15637E-05	7.14908E-05	0.000190968	7.97769E-05	8.43056E-05	2.19345E-05	7.14908E-05	0.000194724	**3447**	7.96781E-05
8.50174E-05	8.99418E-05	2.269E-05	7.53295E-05	0.000179793	8.41388E-05	8.892E-05	2.30706E-05	7.53295E-05	0.000182367	**3448**	8.40462E-05
8.74184E-05	9.2474E-05	2.34313E-05	7.71877E-05	0.000171728	8.63689E-05	9.12702E-05	2.37666E-05	7.71877E-05	0.00017348	**3449**	8.64218E-05
9.31248E-05	9.84319E-05	2.59554E-05	8.0806E-05	0.000167335	9.11506E-05	9.6254E-05	2.59667E-05	8.0806E-05	0.000168669	**3450**	9.21955E-05
0.000100589	0.000106184	2.97711E-05	8.45082E-05	0.000150392	9.68219E-05	0.000102122	2.91299E-05	8.45082E-05	0.000154015	**3451**	9.9789E-05
0.000102038	0.000107636	3.11905E-05	8.41734E-05	0.000134276	9.72988E-05	0.000102554	3.01723E-05	8.41734E-05	0.000140072	**3452**	0.000101346
0.000100654	0.0001062	3.0457E-05	8.08209E-05	0.000121358	9.49823E-05	0.000100119	2.93778E-05	8.08209E-05	0.000127812	**3453**	0.000100063
9.36673E-05	9.88921E-05	2.75395E-05	7.36925E-05	0.000109808	8.78115E-05	9.26002E-05	2.6648E-05	7.36925E-05	0.000116877	**3454**	9.31686E-05
8.15605E-05	8.6153E-05	2.34349E-05	6.46391E-05	0.000105617	7.67839E-05	8.10054E-05	2.28646E-05	6.46391E-05	0.000112249	**3455**	8.11227E-05
7.05928E-05	7.46592E-05	1.91256E-05	5.67753E-05	0.000103361	6.70627E-05	7.08283E-05	1.89669E-05	5.67753E-05	0.000109769	**3456**	7.00853E-05
6.09211E-05	6.45268E-05	1.52845E-05	5.03279E-05	0.000105617	5.87287E-05	6.21074E-05	1.5575E-05	5.03279E-05	0.000112288	**3457**	6.03858E-05
5.77332E-05	6.12074E-05	1.37617E-05	4.83721E-05	0.000107933	5.61093E-05	5.93861E-05	1.42564E-05	4.83721E-05	0.000114887	**3458**	5.71366E-05
5.83792E-05	6.19115E-05	1.36725E-05	4.98751E-05	0.000115776	5.72379E-05	6.05953E-05	1.43545E-05	4.98751E-05	0.000123613	**3459**	5.77911E-05
6.15229E-05	6.52426E-05	1.44447E-05	5.38402E-05	0.000126984	6.09205E-05	6.44886E-05	1.53459E-05	5.38402E-05	0.000136046	**3460**	6.09887E-05
6.65286E-05	7.05243E-05	1.5957E-05	5.88115E-05	0.000139329	6.6096E-05	6.99437E-05	1.69514E-05	5.88115E-05	0.000149711	**3461**	6.60325E-05
7.14748E-05	7.57365E-05	1.75363E-05	6.24304E-05	0.000149815	7.05814E-05	7.46671E-05	1.83967E-05	6.24304E-05	0.000161477	**3462**	7.09209E-05
7.22511E-05	7.6475E-05	1.87909E-05	6.29003E-05	0.000205688	7.10594E-05	7.51163E-05	1.92425E-05	6.29003E-05	0.000211062	**3463**	7.15693E-05
7.00638E-05	7.40948E-05	1.90449E-05	6.17969E-05	0.000209226	6.9142E-05	7.30463E-05	1.92736E-05	6.17969E-05	0.000215106	**3464**	6.93287E-05
7.0467E-05	7.45015E-05	1.94036E-05	6.2058E-05	0.000212338	6.94493E-05	7.33528E-05	1.95908E-05	6.2058E-05	0.000218502	**3465**	6.97846E-05
7.13421E-05	7.54081E-05	1.98794E-05	6.24549E-05	0.000213139	7.00913E-05	7.40146E-05	1.99808E-05	6.24549E-05	0.000219356	**3466**	7.0679E-05
7.19555E-05	7.6052E-05	2.01072E-05	6.19966E-05	0.000213367	7.02118E-05	7.41401E-05	2.00364E-05	6.19966E-05	0.000219583	**3467**	7.1211E-05
7.15747E-05	7.56601E-05	1.98677E-05	6.19688E-05	0.000206732	7.0007E-05	7.3933E-05	1.9862E-05	6.19688E-05	0.000214248	**3468**	7.08265E-05
7.27976E-05	7.69558E-05	2.01677E-05	6.34778E-05	0.000204116	7.14237E-05	7.54309E-05	2.02418E-05	6.34778E-05	0.000211339	**3469**	7.20672E-05
7.48255E-05	7.91273E-05	2.03796E-05	6.58946E-05	0.00019546	7.37852E-05	7.7949E-05	2.06024E-05	6.58946E-05	0.000201741	**3470**	7.40418E-05
8.05739E-05	8.52363E-05	2.15637E-05	7.14908E-05	0.000190968	7.97769E-05	8.43056E-05	2.19345E-05	7.14908E-05	0.000194724	**3471**	7.96781E-05
8.50174E-05	8.99418E-05	2.269E-05	7.53295E-05	0.000179793	8.41388E-05	8.892E-05	2.30706E-05	7.53295E-05	0.000182367	**3472**	8.40462E-05
8.74184E-05	9.2474E-05	2.34313E-05	7.71877E-05	0.000171728	8.63689E-05	9.12702E-05	2.37666E-05	7.71877E-05	0.00017348	**3473**	8.64218E-05
9.31248E-05	9.84319E-05	2.59554E-05	8.0806E-05	0.000167335	9.11506E-05	9.6254E-05	2.59667E-05	8.0806E-05	0.000168669	**3474**	9.21955E-05
0.000100589	0.000106184	2.97711E-05	8.45082E-05	0.000150392	9.68219E-05	0.000102122	2.91299E-05	8.45082E-05	0.000154015	**3475**	9.9789E-05
0.000102038	0.000107636	3.11905E-05	8.41734E-05	0.000134276	9.72988E-05	0.000102554	3.01723E-05	8.41734E-05	0.000140072	**3476**	0.000101346
0.000100654	0.0001062	3.0457E-05	8.08209E-05	0.000121358	9.49823E-05	0.000100119	2.93778E-05	8.08209E-05	0.000127812	**3477**	0.000100063
9.36673E-05	9.88921E-05	2.75395E-05	7.36925E-05	0.000109808	8.78115E-05	9.26002E-05	2.6648E-05	7.36925E-05	0.000116877	**3478**	9.31686E-05
8.15605E-05	8.6153E-05	2.34349E-05	6.46391E-05	0.000105617	7.67839E-05	8.10054E-05	2.28646E-05	6.46391E-05	0.000112249	**3479**	8.11227E-05
7.05928E-05	7.46592E-05	1.91256E-05	5.67753E-05	0.000103361	6.70627E-05	7.08283E-05	1.89669E-05	5.67753E-05	0.000109769	**3480**	7.00853E-05
6.09211E-05	6.45268E-05	1.52845E-05	5.03279E-05	0.000105617	5.87287E-05	6.21074E-05	1.5575E-05	5.03279E-05	0.000112288	**3481**	6.03858E-05
5.77332E-05	6.12074E-05	1.37617E-05	4.83721E-05	0.000107933	5.61093E-05	5.93861E-05	1.42564E-05	4.83721E-05	0.000114887	**3482**	5.71366E-05
5.83792E-05	6.19115E-05	1.36725E-05	4.98751E-05	0.000115776	5.72379E-05	6.05953E-05	1.43545E-05	4.98751E-05	0.000123613	**3483**	5.77911E-05
6.15229E-05	6.52426E-05	1.44447E-05	5.38402E-05	0.000126984	6.09205E-05	6.44886E-05	1.53459E-05	5.38402E-05	0.000136046	**3484**	6.09887E-05
6.65286E-05	7.05243E-05	1.5957E-05	5.88115E-05	0.000139329	6.6096E-05	6.99437E-05	1.69514E-05	5.88115E-05	0.000149711	**3485**	6.60325E-05
7.14748E-05	7.57365E-05	1.75363E-05	6.24304E-05	0.000149815	7.05814E-05	7.46671E-05	1.83967E-05	6.24304E-05	0.000161477	**3486**	7.09209E-05
7.22511E-05	7.6475E-05	1.87909E-05	6.29003E-05	0.000205688	7.10594E-05	7.51163E-05	1.92425E-05	6.29003E-05	0.000211062	**3487**	7.15693E-05

7.00638E-05	7.40948E-05	1.90449E-05	6.17969E-05	0.000209226	6.9142E-05	7.30463E-05	1.92736E-05	6.17969E-05	0.000215106	**3488**	6.93287E-05
7.0467E-05	7.45015E-05	1.94036E-05	6.2058E-05	0.000212338	6.94493E-05	7.33528E-05	1.95908E-05	6.2058E-05	0.000218502	**3489**	6.97846E-05
7.13421E-05	7.54081E-05	1.98794E-05	6.24549E-05	0.000213139	7.00913E-05	7.40146E-05	1.99808E-05	6.24549E-05	0.000219356	**3490**	7.0679E-05
7.19555E-05	7.6052E-05	2.01072E-05	6.19966E-05	0.000213367	7.02118E-05	7.41401E-05	2.00364E-05	6.19966E-05	0.000219583	**3491**	7.1211E-05
7.15747E-05	7.56601E-05	1.98677E-05	6.19688E-05	0.000206732	7.0007E-05	7.3933E-05	1.9862E-05	6.19688E-05	0.000214248	**3492**	7.08265E-05
7.27976E-05	7.69558E-05	2.01677E-05	6.34778E-05	0.000204116	7.14237E-05	7.54309E-05	2.02418E-05	6.34778E-05	0.000211339	**3493**	7.20672E-05
7.48255E-05	7.91273E-05	2.03796E-05	6.58946E-05	0.00019546	7.37852E-05	7.7949E-05	2.06024E-05	6.58946E-05	0.000201741	**3494**	7.40418E-05
8.05739E-05	8.52363E-05	2.15637E-05	7.14908E-05	0.000190968	7.97769E-05	8.43056E-05	2.19345E-05	7.14908E-05	0.000194724	**3495**	7.96781E-05
8.50174E-05	8.99418E-05	2.269E-05	7.53295E-05	0.000179793	8.41388E-05	8.892E-05	2.30706E-05	7.53295E-05	0.000182367	**3496**	8.40462E-05
8.74184E-05	9.2474E-05	2.34313E-05	7.71877E-05	0.000171728	8.63689E-05	9.12702E-05	2.37666E-05	7.71877E-05	0.00017348	**3497**	8.64218E-05
9.31248E-05	9.84319E-05	2.59554E-05	8.0806E-05	0.000167335	9.11506E-05	9.6254E-05	2.59667E-05	8.0806E-05	0.000168669	**3498**	9.21955E-05
0.000100589	0.000106184	2.97711E-05	8.45082E-05	0.000150392	9.68219E-05	0.000102122	2.91299E-05	8.45082E-05	0.000154015	**3499**	9.9789E-05
0.000102038	0.000107636	3.11905E-05	8.41734E-05	0.000134276	9.72988E-05	0.000102554	3.01723E-05	8.41734E-05	0.000140072	**3500**	0.000101346
0.000100654	0.0001062	3.0457E-05	8.08209E-05	0.000121358	9.49823E-05	0.000100119	2.93778E-05	8.08209E-05	0.000127812	**3501**	0.000100063
9.36673E-05	9.88921E-05	2.75395E-05	7.36925E-05	0.000109808	8.78115E-05	9.26002E-05	2.6648E-05	7.36925E-05	0.000116877	**3502**	9.31686E-05
8.15605E-05	8.6153E-05	2.34349E-05	6.46391E-05	0.000105617	7.67839E-05	8.10054E-05	2.28646E-05	6.46391E-05	0.000112249	**3503**	8.11227E-05
7.05928E-05	7.46592E-05	1.91256E-05	5.67753E-05	0.000103361	6.70627E-05	7.08283E-05	1.89669E-05	5.67753E-05	0.000109769	**3504**	7.00853E-05
6.09211E-05	6.45268E-05	1.52845E-05	5.03279E-05	0.000105617	5.87287E-05	6.21074E-05	1.5575E-05	5.03279E-05	0.000112288	**3505**	6.03858E-05
5.77332E-05	6.12074E-05	1.37617E-05	4.83721E-05	0.000107933	5.61093E-05	5.93861E-05	1.42564E-05	4.83721E-05	0.000114887	**3506**	5.71366E-05
5.83792E-05	6.19115E-05	1.36725E-05	4.98751E-05	0.000115776	5.72379E-05	6.05953E-05	1.43545E-05	4.98751E-05	0.000123613	**3507**	5.77911E-05
6.15229E-05	6.52426E-05	1.44447E-05	5.38402E-05	0.000126984	6.09205E-05	6.44886E-05	1.53459E-05	5.38402E-05	0.000136046	**3508**	6.09887E-05
6.65286E-05	7.05243E-05	1.5957E-05	5.88115E-05	0.000139329	6.6096E-05	6.99437E-05	1.69514E-05	5.88115E-05	0.000149711	**3509**	6.60325E-05
7.14748E-05	7.57365E-05	1.75363E-05	6.24304E-05	0.000149815	7.05814E-05	7.46671E-05	1.83967E-05	6.24304E-05	0.000161477	**3510**	7.09209E-05
7.22511E-05	7.6475E-05	1.87909E-05	6.29003E-05	0.000205688	7.10594E-05	7.51163E-05	1.92425E-05	6.29003E-05	0.000211062	**3511**	7.15693E-05
7.00638E-05	7.40948E-05	1.90449E-05	6.17969E-05	0.000209226	6.9142E-05	7.30463E-05	1.92736E-05	6.17969E-05	0.000215106	**3512**	6.93287E-05
7.0467E-05	7.45015E-05	1.94036E-05	6.2058E-05	0.000212338	6.94493E-05	7.33528E-05	1.95908E-05	6.2058E-05	0.000218502	**3513**	6.97846E-05
7.13421E-05	7.54081E-05	1.98794E-05	6.24549E-05	0.000213139	7.00913E-05	7.40146E-05	1.99808E-05	6.24549E-05	0.000219356	**3514**	7.0679E-05
7.19555E-05	7.6052E-05	2.01072E-05	6.19966E-05	0.000213367	7.02118E-05	7.41401E-05	2.00364E-05	6.19966E-05	0.000219583	**3515**	7.1211E-05
7.15747E-05	7.56601E-05	1.98677E-05	6.19688E-05	0.000206732	7.0007E-05	7.3933E-05	1.9862E-05	6.19688E-05	0.000214248	**3516**	7.08265E-05
7.27976E-05	7.69558E-05	2.01677E-05	6.34778E-05	0.000204116	7.14237E-05	7.54309E-05	2.02418E-05	6.34778E-05	0.000211339	**3517**	7.20672E-05
7.48255E-05	7.91273E-05	2.03796E-05	6.58946E-05	0.00019546	7.37852E-05	7.7949E-05	2.06024E-05	6.58946E-05	0.000201741	**3518**	7.40418E-05
8.05739E-05	8.52363E-05	2.15637E-05	7.14908E-05	0.000190968	7.97769E-05	8.43056E-05	2.19345E-05	7.14908E-05	0.000194724	**3519**	7.96781E-05
8.50174E-05	8.99418E-05	2.269E-05	7.53295E-05	0.000179793	8.41388E-05	8.892E-05	2.30706E-05	7.53295E-05	0.000182367	**3520**	8.40462E-05
8.74184E-05	9.2474E-05	2.34313E-05	7.71877E-05	0.000171728	8.63689E-05	9.12702E-05	2.37666E-05	7.71877E-05	0.00017348	**3521**	8.64218E-05
9.31248E-05	9.84319E-05	2.59554E-05	8.0806E-05	0.000167335	9.11506E-05	9.6254E-05	2.59667E-05	8.0806E-05	0.000168669	**3522**	9.21955E-05
0.000100589	0.000106184	2.97711E-05	8.45082E-05	0.000150392	9.68219E-05	0.000102122	2.91299E-05	8.45082E-05	0.000154015	**3523**	9.9789E-05
0.000102038	0.000107636	3.11905E-05	8.41734E-05	0.000134276	9.72988E-05	0.000102554	3.01723E-05	8.41734E-05	0.000140072	**3524**	0.000101346
0.000100654	0.0001062	3.0457E-05	8.08209E-05	0.000121358	9.49823E-05	0.000100119	2.93778E-05	8.08209E-05	0.000127812	**3525**	0.000100063
9.36673E-05	9.88921E-05	2.75395E-05	7.36925E-05	0.000109808	8.78115E-05	9.26002E-05	2.6648E-05	7.36925E-05	0.000116877	**3526**	9.31686E-05
8.15605E-05	8.6153E-05	2.34349E-05	6.46391E-05	0.000105617	7.67839E-05	8.10054E-05	2.28646E-05	6.46391E-05	0.000112249	**3527**	8.11227E-05
7.05928E-05	7.46592E-05	1.91256E-05	5.67753E-05	0.000103361	6.70627E-05	7.08283E-05	1.89669E-05	5.67753E-05	0.000109769	**3528**	7.00853E-05
6.09211E-05	6.45268E-05	1.52845E-05	5.03279E-05	0.000105617	5.87287E-05	6.21074E-05	1.5575E-05	5.03279E-05	0.000112288	**3529**	6.03858E-05
5.77332E-05	6.12074E-05	1.37617E-05	4.83721E-05	0.000107933	5.61093E-05	5.93861E-05	1.42564E-05	4.83721E-05	0.000114887	**3530**	5.71366E-05
5.83792E-05	6.19115E-05	1.36725E-05	4.98751E-05	0.000115776	5.72379E-05	6.05953E-05	1.43545E-05	4.98751E-05	0.000123613	**3531**	5.77911E-05
6.15229E-05	6.52426E-05	1.44447E-05	5.38402E-05	0.000126984	6.09205E-05	6.44886E-05	1.53459E-05	5.38402E-05	0.000136046	**3532**	6.09887E-05
6.65286E-05	7.05243E-05	1.5957E-05	5.88115E-05	0.000139329	6.6096E-05	6.99437E-05	1.69514E-05	5.88115E-05	0.000149711	**3533**	6.60325E-05
7.14748E-05	7.57365E-05	1.75363E-05	6.24304E-05	0.000149815	7.05814E-05	7.46671E-05	1.83967E-05	6.24304E-05	0.000161477	**3534**	7.09209E-05
7.22511E-05	7.6475E-05	1.87909E-05	6.29003E-05	0.000205688	7.10594E-05	7.51163E-05	1.92425E-05	6.29003E-05	0.000211062	**3535**	7.15693E-05
7.00638E-05	7.40948E-05	1.90449E-05	6.17969E-05	0.000209226	6.9142E-05	7.30463E-05	1.92736E-05	6.17969E-05	0.000215106	**3536**	6.93287E-05
7.0467E-05	7.45015E-05	1.94036E-05	6.2058E-05	0.000212338	6.94493E-05	7.33528E-05	1.95908E-05	6.2058E-05	0.000218502	**3537**	6.97846E-05
7.13421E-05	7.54081E-05	1.98794E-05	6.24549E-05	0.000213139	7.00913E-05	7.40146E-05	1.99808E-05	6.24549E-05	0.000219356	**3538**	7.0679E-05
7.19555E-05	7.6052E-05	2.01072E-05	6.19966E-05	0.000213367	7.02118E-05	7.41401E-05	2.00364E-05	6.19966E-05	0.000219583	**3539**	7.1211E-05
7.15747E-05	7.56601E-05	1.98677E-05	6.19688E-05	0.000206732	7.0007E-05	7.3933E-05	1.9862E-05	6.19688E-05	0.000214248	**3540**	7.08265E-05
7.27976E-05	7.69558E-05	2.01677E-05	6.34778E-05	0.000204116	7.14237E-05	7.54309E-05	2.02418E-05	6.34778E-05	0.000211339	**3541**	7.20672E-05
7.48255E-05	7.91273E-05	2.03796E-05	6.58946E-05	0.00019546	7.37852E-05	7.7949E-05	2.06024E-05	6.58946E-05	0.000201741	**3542**	7.40418E-05
8.05739E-05	8.52363E-05	2.15637E-05	7.14908E-05	0.000190968	7.97769E-05	8.43056E-05	2.19345E-05	7.14908E-05	0.000194724	**3543**	7.96781E-05
8.50174E-05	8.99418E-05	2.269E-05	7.53295E-05	0.000179793	8.41388E-05	8.892E-05	2.30706E-05	7.53295E-05	0.000182367	**3544**	8.40462E-05
8.74184E-05	9.2474E-05	2.34313E-05	7.71877E-05	0.000171728	8.63689E-05	9.12702E-05	2.37666E-05	7.71877E-05	0.00017348	**3545**	8.64218E-05
9.31248E-05	9.84319E-05	2.59554E-05	8.0806E-05	0.000167335	9.11506E-05	9.6254E-05	2.59667E-05	8.0806E-05	0.000168669	**3546**	9.21955E-05
0.000100589	0.000106184	2.97711E-05	8.45082E-05	0.000150392	9.68219E-05	0.000102122	2.91299E-05	8.45082E-05	0.000154015	**3547**	9.9789E-05
0.000102038	0.000107636	3.11905E-05	8.41734E-05	0.000134276	9.72988E-05	0.000102554	3.01723E-05	8.41734E-05	0.000140072	**3548**	0.000101346
0.000100654	0.0001062	3.0457E-05	8.08209E-05	0.000121358	9.49823E-05	0.000100119	2.93778E-05	8.08209E-05	0.000127812	**3549**	0.000100063
9.36673E-05	9.88921E-05	2.75395E-05	7.36925E-05	0.000109808	8.78115E-05	9.26002E-05	2.6648E-05	7.36925E-05	0.000116877	**3550**	9.31686E-05
8.15605E-05	8.6153E-05	2.34349E-05	6.46391E-05	0.000105617	7.67839E-05	8.10054E-05	2.28646E-05	6.46391E-05	0.000112249	**3551**	8.11227E-05
7.05928E-05	7.46592E-05	1.91256E-05	5.67753E-05	0.000103361	6.70627E-05	7.08283E-05	1.89669E-05	5.67753E-05	0.000109769	**3552**	7.00853E-05
6.13257E-05	6.49561E-05	1.53776E-05	5.07324E-05	0.000104705	5.91537E-05	6.25575E-05	1.56792E-05	5.07324E-05	0.000111261	**3553**	6.07861E-05
5.74826E-05	6.09407E-05	1.37153E-05	4.81799E-05	0.000108586	5.58716E-05	5.91333E-05	1.42116E-05	4.81799E-05	0.000115615	**3554**	5.68969E-05
5.84566E-05	6.19932E-05	1.36946E-05	4.99751E-05	0.000116555	5.7329E-05	6.06915E-05	1.43821E-05	4.99751E-05	0.000124481	**3555**	5.78708E-05
6.18313E-05	6.55696E-05	1.45175E-05	5.4158E-05	0.00012791	6.12485E-05	6.48359E-05	1.54286E-05	5.4158E-05	0.000137076	**3556**	6.12952E-05
6.67194E-05	7.07257E-05	1.60131E-05	5.90653E-05	0.000140678	6.6324E-05	7.0184E-05	1.7022E-05	5.90653E-05	0.000151208	**3557**	6.62302E-05
7.17794E-05	7.60587E-05	1.76175E-05	6.27921E-05	0.000151668	7.09264E-05	7.50314E-05	1.84946E-05	6.27921E-05	0.000163529	**3558**	7.12303E-05
7.39847E-05	7.83355E-05	1.89193E-05	6.33323E-05	0.000208132	7.23101E-05	7.64544E-05	1.93765E-05	6.33323E-05	0.000213767	**3559**	7.33044E-05
7.0312E-05	7.43587E-05	1.90939E-05	6.20029E-05	0.000211926	6.93842E-05	7.33036E-05	1.93233E-05	6.20029E-05	0.000218095	**3560**	6.95682E-05
7.06413E-05	7.46874E-05	1.9431E-05	6.21665E-05	0.000215036	6.96035E-05	7.35173E-05	1.96134E-05	6.21665E-05	0.000221487	**3561**	6.99477E-05
7.13956E-05	7.54647E-05	1.98951E-05	6.25256E-05	0.000215805	7.0155E-05	7.40818E-05	2.00005E-05	6.25256E-05	0.000222303	**3562**	7.07344E-05
7.19108E-05	7.60047E-05	2.00952E-05	6.19431E-05	0.000215958	7.01609E-05	7.40864E-05	2.00219E-05	6.19431E-05	0.000222443	**3563**	7.11655E-05

7.13263E-05	7.53964E-05	1.98125E-05	6.17306E-05	0.000209221	6.97505E-05	7.36612E-05	1.98014E-05	6.17306E-05	0.000216993	**3564**	7.05821E-05
7.23331E-05	7.64626E-05	2.00671E-05	6.30459E-05	0.000206326	7.09501E-05	7.49287E-05	2.01331E-05	6.30459E-05	0.000213776	**3565**	7.16123E-05
7.46014E-05	7.88884E-05	2.03423E-05	6.57441E-05	0.000197346	7.35821E-05	7.77326E-05	2.05697E-05	6.57441E-05	0.000203814	**3566**	7.38305E-05
8.08912E-05	8.55724E-05	2.16436E-05	7.18435E-05	0.000192666	8.01258E-05	8.46744E-05	2.20283E-05	7.18435E-05	0.000196588	**3567**	7.99971E-05
8.62445E-05	9.12452E-05	2.2953E-05	7.64554E-05	0.000181557	8.53834E-05	9.024E-05	2.33525E-05	7.64554E-05	0.000184307	**3568**	8.52458E-05
8.86909E-05	9.38251E-05	2.37092E-05	7.83821E-05	0.000173354	8.76713E-05	9.2651E-05	2.40681E-05	7.83821E-05	0.000175267	**3569**	8.76695E-05
9.43562E-05	9.97394E-05	2.6222E-05	8.19499E-05	0.000168819	9.24057E-05	9.75849E-05	2.62544E-05	8.19499E-05	0.000170304	**3570**	9.34013E-05
0.000101722	0.000107387	3.00132E-05	8.55439E-05	0.000152079	9.79693E-05	0.000103339	2.93889E-05	8.55439E-05	0.000155878	**3571**	0.000100896
0.000103119	0.000108784	3.14239E-05	8.51742E-05	0.000135868	9.83994E-05	0.000103721	3.04237E-05	8.51742E-05	0.000141828	**3572**	0.000102405
0.000100144	0.000105638	3.06022E-05	8.15708E-05	0.000122918	9.49987E-05	0.000100123	2.95451E-05	8.15708E-05	0.000129529	**3573**	9.95326E-05
9.44122E-05	9.96831E-05	2.77007E-05	7.43841E-05	0.000111276	8.85706E-05	9.3405E-05	2.68219E-05	7.43841E-05	0.00011849	**3574**	9.3898E-05
8.20206E-05	8.66413E-05	2.35372E-05	6.50806E-05	0.000106955	7.7259E-05	8.15089E-05	2.29768E-05	6.50806E-05	0.000113718	**3575**	8.15752E-05
7.09765E-05	7.50665E-05	1.92106E-05	5.71419E-05	0.00010455	6.74583E-05	7.12476E-05	1.906E-05	5.71419E-05	0.000111072	**3576**	7.04625E-05
6.13257E-05	6.49561E-05	1.53776E-05	5.07324E-05	0.000104705	5.91537E-05	6.25575E-05	1.56792E-05	5.07324E-05	0.000111261	**3577**	6.07861E-05
5.74826E-05	6.09407E-05	1.37153E-05	4.81799E-05	0.000108586	5.58716E-05	5.91333E-05	1.42116E-05	4.81799E-05	0.000115615	**3578**	5.68969E-05
5.84566E-05	6.19932E-05	1.36946E-05	4.99751E-05	0.000116555	5.7329E-05	6.06915E-05	1.43821E-05	4.99751E-05	0.000124481	**3579**	5.78708E-05
6.18313E-05	6.55696E-05	1.45175E-05	5.4158E-05	0.00012791	6.12485E-05	6.48359E-05	1.54286E-05	5.4158E-05	0.000137076	**3580**	6.12952E-05
6.67194E-05	7.07257E-05	1.60131E-05	5.90653E-05	0.000140678	6.6324E-05	7.0184E-05	1.7022E-05	5.90653E-05	0.000151208	**3581**	6.62302E-05
7.17794E-05	7.60587E-05	1.76175E-05	6.27921E-05	0.000151668	7.09264E-05	7.50314E-05	1.84946E-05	6.27921E-05	0.000163529	**3582**	7.12303E-05
7.39847E-05	7.83355E-05	1.89193E-05	6.33323E-05	0.000208132	7.23101E-05	7.64544E-05	1.93765E-05	6.33323E-05	0.000213767	**3583**	7.33044E-05
7.0312E-05	7.43587E-05	1.90939E-05	6.20029E-05	0.000211926	6.93842E-05	7.33036E-05	1.93233E-05	6.20029E-05	0.000218095	**3584**	6.95682E-05
7.06413E-05	7.46874E-05	1.9431E-05	6.21665E-05	0.000215036	6.96035E-05	7.35173E-05	1.96134E-05	6.21665E-05	0.000221487	**3585**	6.99477E-05
7.13956E-05	7.54647E-05	1.98951E-05	6.25256E-05	0.000215805	7.0155E-05	7.40818E-05	2.00005E-05	6.25256E-05	0.000222303	**3586**	7.07344E-05
7.19108E-05	7.60047E-05	2.00952E-05	6.19431E-05	0.000215958	7.01609E-05	7.40864E-05	2.00219E-05	6.19431E-05	0.000222443	**3587**	7.11655E-05
7.13263E-05	7.53964E-05	1.98125E-05	6.17306E-05	0.000209221	6.97505E-05	7.36612E-05	1.98014E-05	6.17306E-05	0.000216993	**3588**	7.05821E-05
7.23331E-05	7.64626E-05	2.00671E-05	6.30459E-05	0.000206326	7.09501E-05	7.49287E-05	2.01331E-05	6.30459E-05	0.000213776	**3589**	7.16123E-05
7.46014E-05	7.88884E-05	2.03423E-05	6.57441E-05	0.000197346	7.35821E-05	7.77326E-05	2.05697E-05	6.57441E-05	0.000203814	**3590**	7.38305E-05
8.08912E-05	8.55724E-05	2.16436E-05	7.18435E-05	0.000192666	8.01258E-05	8.46744E-05	2.20283E-05	7.18435E-05	0.000196588	**3591**	7.99971E-05
8.62445E-05	9.12452E-05	2.2953E-05	7.64554E-05	0.000181557	8.53834E-05	9.024E-05	2.33525E-05	7.64554E-05	0.000184307	**3592**	8.52458E-05
8.86909E-05	9.38251E-05	2.37092E-05	7.83821E-05	0.000173354	8.76713E-05	9.2651E-05	2.40681E-05	7.83821E-05	0.000175267	**3593**	8.76695E-05
9.43562E-05	9.97394E-05	2.6222E-05	8.19499E-05	0.000168819	9.24057E-05	9.75849E-05	2.62544E-05	8.19499E-05	0.000170304	**3594**	9.34013E-05
0.000101722	0.000107387	3.00132E-05	8.55439E-05	0.000152079	9.79693E-05	0.000103339	2.93889E-05	8.55439E-05	0.000155878	**3595**	0.000100896
0.000103119	0.000108784	3.14239E-05	8.51742E-05	0.000135868	9.83994E-05	0.000103721	3.04237E-05	8.51742E-05	0.000141828	**3596**	0.000102405
0.000100144	0.000105638	3.06022E-05	8.15708E-05	0.000122918	9.49987E-05	0.000100123	2.95451E-05	8.15708E-05	0.000129529	**3597**	9.95326E-05
9.44122E-05	9.96831E-05	2.77007E-05	7.43841E-05	0.000111276	8.85706E-05	9.3405E-05	2.68219E-05	7.43841E-05	0.00011849	**3598**	9.3898E-05
8.20206E-05	8.66413E-05	2.35372E-05	6.50806E-05	0.000106955	7.7259E-05	8.15089E-05	2.29768E-05	6.50806E-05	0.000113718	**3599**	8.15752E-05
7.09765E-05	7.50665E-05	1.92106E-05	5.71419E-05	0.00010455	6.74583E-05	7.12476E-05	1.906E-05	5.71419E-05	0.000111072	**3600**	7.04625E-05
6.13257E-05	6.49561E-05	1.53776E-05	5.07324E-05	0.000104705	5.91537E-05	6.25575E-05	1.56792E-05	5.07324E-05	0.000111261	**3601**	6.07861E-05
5.74826E-05	6.09407E-05	1.37153E-05	4.81799E-05	0.000108586	5.58716E-05	5.91333E-05	1.42116E-05	4.81799E-05	0.000115615	**3602**	5.68969E-05
5.84566E-05	6.19932E-05	1.36946E-05	4.99751E-05	0.000116555	5.7329E-05	6.06915E-05	1.43821E-05	4.99751E-05	0.000124481	**3603**	5.78708E-05
6.18313E-05	6.55696E-05	1.45175E-05	5.4158E-05	0.00012791	6.12485E-05	6.48359E-05	1.54286E-05	5.4158E-05	0.000137076	**3604**	6.12952E-05
6.67194E-05	7.07257E-05	1.60131E-05	5.90653E-05	0.000140678	6.6324E-05	7.0184E-05	1.7022E-05	5.90653E-05	0.000151208	**3605**	6.62302E-05
7.17794E-05	7.60587E-05	1.76175E-05	6.27921E-05	0.000151668	7.09264E-05	7.50314E-05	1.84946E-05	6.27921E-05	0.000163529	**3606**	7.12303E-05
7.39847E-05	7.83355E-05	1.89193E-05	6.33323E-05	0.000208132	7.23101E-05	7.64544E-05	1.93765E-05	6.33323E-05	0.000213767	**3607**	7.33044E-05
7.0312E-05	7.43587E-05	1.90939E-05	6.20029E-05	0.000211926	6.93842E-05	7.33036E-05	1.93233E-05	6.20029E-05	0.000218095	**3608**	6.95682E-05
7.06413E-05	7.46874E-05	1.9431E-05	6.21665E-05	0.000215036	6.96035E-05	7.35173E-05	1.96134E-05	6.21665E-05	0.000221487	**3609**	6.99477E-05
7.13956E-05	7.54647E-05	1.98951E-05	6.25256E-05	0.000215805	7.0155E-05	7.40818E-05	2.00005E-05	6.25256E-05	0.000222303	**3610**	7.07344E-05
7.19108E-05	7.60047E-05	2.00952E-05	6.19431E-05	0.000215958	7.01609E-05	7.40864E-05	2.00219E-05	6.19431E-05	0.000222443	**3611**	7.11655E-05
7.13263E-05	7.53964E-05	1.98125E-05	6.17306E-05	0.000209221	6.97505E-05	7.36612E-05	1.98014E-05	6.17306E-05	0.000216993	**3612**	7.05821E-05
7.23331E-05	7.64626E-05	2.00671E-05	6.30459E-05	0.000206326	7.09501E-05	7.49287E-05	2.01331E-05	6.30459E-05	0.000213776	**3613**	7.16123E-05
7.46014E-05	7.88884E-05	2.03423E-05	6.57441E-05	0.000197346	7.35821E-05	7.77326E-05	2.05697E-05	6.57441E-05	0.000203814	**3614**	7.38305E-05
8.08912E-05	8.55724E-05	2.16436E-05	7.18435E-05	0.000192666	8.01258E-05	8.46744E-05	2.20283E-05	7.18435E-05	0.000196588	**3615**	7.99971E-05
8.62445E-05	9.12452E-05	2.2953E-05	7.64554E-05	0.000181557	8.53834E-05	9.024E-05	2.33525E-05	7.64554E-05	0.000184307	**3616**	8.52458E-05
8.86909E-05	9.38251E-05	2.37092E-05	7.83821E-05	0.000173354	8.76713E-05	9.2651E-05	2.40681E-05	7.83821E-05	0.000175267	**3617**	8.76695E-05
9.43562E-05	9.97394E-05	2.6222E-05	8.19499E-05	0.000168819	9.24057E-05	9.75849E-05	2.62544E-05	8.19499E-05	0.000170304	**3618**	9.34013E-05
0.000101722	0.000107387	3.00132E-05	8.55439E-05	0.000152079	9.79693E-05	0.000103339	2.93889E-05	8.55439E-05	0.000155878	**3619**	0.000100896
0.000103119	0.000108784	3.14239E-05	8.51742E-05	0.000135868	9.83994E-05	0.000103721	3.04237E-05	8.51742E-05	0.000141828	**3620**	0.000102405
0.000100144	0.000105638	3.06022E-05	8.15708E-05	0.000122918	9.49987E-05	0.000100123	2.95451E-05	8.15708E-05	0.000129529	**3621**	9.95326E-05
9.44122E-05	9.96831E-05	2.77007E-05	7.43841E-05	0.000111276	8.85706E-05	9.3405E-05	2.68219E-05	7.43841E-05	0.00011849	**3622**	9.3898E-05
8.20206E-05	8.66413E-05	2.35372E-05	6.50806E-05	0.000106955	7.7259E-05	8.15089E-05	2.29768E-05	6.50806E-05	0.000113718	**3623**	8.15752E-05
7.09765E-05	7.50665E-05	1.92106E-05	5.71419E-05	0.00010455	6.74583E-05	7.12476E-05	1.906E-05	5.71419E-05	0.000111072	**3624**	7.04625E-05
6.09211E-05	6.45268E-05	1.52845E-05	5.03279E-05	0.000105617	5.87287E-05	6.21074E-05	1.5575E-05	5.03279E-05	0.000112288	**3625**	6.03858E-05
5.77332E-05	6.12074E-05	1.37617E-05	4.83721E-05	0.000107933	5.61093E-05	5.93861E-05	1.42564E-05	4.83721E-05	0.000114887	**3626**	5.71366E-05
5.83792E-05	6.19115E-05	1.36725E-05	4.98751E-05	0.000115776	5.72379E-05	6.05953E-05	1.43545E-05	4.98751E-05	0.000123613	**3627**	5.77911E-05
6.15229E-05	6.52426E-05	1.44447E-05	5.38402E-05	0.000126984	6.09205E-05	6.44886E-05	1.53459E-05	5.38402E-05	0.000136046	**3628**	6.09887E-05
6.65286E-05	7.05243E-05	1.5957E-05	5.88115E-05	0.000139329	6.6096E-05	6.99437E-05	1.69514E-05	5.88115E-05	0.000149711	**3629**	6.60325E-05
7.14748E-05	7.57365E-05	1.75363E-05	6.24304E-05	0.000149815	7.05814E-05	7.46671E-05	1.83967E-05	6.24304E-05	0.000161477	**3630**	7.09209E-05
7.22511E-05	7.6475E-05	1.87909E-05	6.29003E-05	0.000205688	7.10594E-05	7.51163E-05	1.92425E-05	6.29003E-05	0.000211062	**3631**	7.15693E-05
7.00638E-05	7.40948E-05	1.90449E-05	6.17969E-05	0.000209226	6.9142E-05	7.30463E-05	1.92736E-05	6.17969E-05	0.000215106	**3632**	6.93287E-05
7.0467E-05	7.45015E-05	1.94036E-05	6.2058E-05	0.000212338	6.94493E-05	7.33528E-05	1.95908E-05	6.2058E-05	0.000218502	**3633**	6.97846E-05
7.13421E-05	7.54081E-05	1.98794E-05	6.24549E-05	0.000213139	7.00913E-05	7.40146E-05	1.99808E-05	6.24549E-05	0.000219356	**3634**	7.0679E-05
7.19555E-05	7.6052E-05	2.01072E-05	6.19966E-05	0.000213367	7.02118E-05	7.41401E-05	2.00364E-05	6.19966E-05	0.000219583	**3635**	7.1211E-05
7.15747E-05	7.56601E-05	1.98677E-05	6.19688E-05	0.000206732	7.0007E-05	7.3933E-05	1.9862E-05	6.19688E-05	0.000214248	**3636**	7.08265E-05
7.27976E-05	7.69558E-05	2.01677E-05	6.34778E-05	0.000204116	7.14237E-05	7.54309E-05	2.02418E-05	6.34778E-05	0.000211339	**3637**	7.20672E-05
7.48255E-05	7.91273E-05	2.03796E-05	6.58946E-05	0.00019546	7.37852E-05	7.7949E-05	2.06024E-05	6.58946E-05	0.000201741	**3638**	7.40418E-05
8.05739E-05	8.52363E-05	2.15637E-05	7.14908E-05	0.000190968	7.97769E-05	8.43056E-05	2.19345E-05	7.14908E-05	0.000194724	**3639**	7.96781E-05

8.50174E-05	8.99418E-05	2.269E-05	7.53295E-05	0.000179793	8.41388E-05	8.892E-05	2.30706E-05	7.53295E-05	0.000182367	**3640**	8.40462E-05
8.74184E-05	9.2474E-05	2.34313E-05	7.71877E-05	0.000171728	8.63689E-05	9.12702E-05	2.37666E-05	7.71877E-05	0.00017348	**3641**	8.64218E-05
9.31248E-05	9.84319E-05	2.59554E-05	8.0806E-05	0.000167335	9.11506E-05	9.6254E-05	2.59667E-05	8.0806E-05	0.000168669	**3642**	9.21955E-05
0.000100589	0.000106184	2.97711E-05	8.45082E-05	0.000150392	9.68219E-05	0.000102122	2.91299E-05	8.45082E-05	0.000154015	**3643**	9.9789E-05
0.000102038	0.000107636	3.11905E-05	8.41734E-05	0.000134276	9.72988E-05	0.000102554	3.01723E-05	8.41734E-05	0.000140072	**3644**	0.000101346
0.000100654	0.0001062	3.0457E-05	8.08209E-05	0.000121358	9.49823E-05	0.000100119	2.93778E-05	8.08209E-05	0.000127812	**3645**	0.000100063
9.36673E-05	9.88921E-05	2.75395E-05	7.36925E-05	0.000109808	8.78115E-05	9.26002E-05	2.6648E-05	7.36925E-05	0.000116877	**3646**	9.31686E-05
8.15605E-05	8.6153E-05	2.34349E-05	6.46391E-05	0.000105617	7.67839E-05	8.10054E-05	2.28646E-05	6.46391E-05	0.000112249	**3647**	8.11227E-05
7.05928E-05	7.46592E-05	1.91256E-05	5.67753E-05	0.000103361	6.70627E-05	7.08283E-05	1.89669E-05	5.67753E-05	0.000109769	**3648**	7.00853E-05
0.000117651	0.000107945	0.000240495	0.000125754	0.000115988	0.00011452	0.000104846	0.000238087	0.000125754	0.000123489	**3649**	0.000117807
0.000110773	0.000101519	0.000227896	0.000119336	0.000119077	0.000108246	9.90424E-05	0.000225804	0.000119336	0.000126933	**3650**	0.000110878
0.00010575	9.69518E-05	0.000217107	0.000114058	0.000127227	0.00010343	9.46807E-05	0.000215174	0.000114058	0.000135993	**3651**	0.000105851
0.000105346	9.66295E-05	0.000215666	0.000113676	0.000139144	0.000103075	9.44088E-05	0.000213761	0.000113676	0.000149234	**3652**	0.000105458
0.000113856	0.000104384	0.000233741	0.000123001	0.000151709	0.000111416	0.000102004	0.000231632	0.000123001	0.000163177	**3653**	0.000113981
0.000125902	0.000115382	0.000259048	0.000135948	0.000159474	0.000123113	0.000112661	0.000256612	0.000135948	0.000171892	**3654**	0.00012605
0.000137403	0.000125539	0.000287561	0.000150378	0.000212285	0.000134912	0.000123185	0.000284691	0.000150378	0.000218087	**3655**	0.00013759
0.000139005	0.000126726	0.000294414	0.000154104	0.000215722	0.000137088	0.000125008	0.000291378	0.000154104	0.000221999	**3656**	0.00013923
0.00014164	0.000129218	0.000298856	0.000156652	0.000218928	0.000139541	0.000127313	0.000295718	0.000156652	0.000225496	**3657**	0.000141891
0.000151487	0.000138117	0.000320703	0.000167605	0.000220941	0.000149246	0.000136085	0.000317342	0.000167605	0.000227695	**3658**	0.000151735
0.00016629	0.000151418	0.000354518	0.000184491	0.000224448	0.000164007	0.000149376	0.000350874	0.000184491	0.000231553	**3659**	0.000166512
0.000184974	0.000168091	0.000398659	0.000206692	0.000218425	0.000183011	0.000166431	0.000394781	0.000206692	0.000226901	**3660**	0.000185134
0.000192528	0.000174869	0.000416033	0.000215556	0.000217687	0.000190654	0.00017332	0.000412049	0.000215556	0.000226097	**3661**	0.000192673
0.000194349	0.000176464	0.000420708	0.000218146	0.000210424	0.000192693	0.00017515	0.000416765	0.000218146	0.000218026	**3662**	0.00019448
0.00019311	0.000175447	0.000416661	0.000216724	0.00020579	0.000191481	0.000174157	0.000412758	0.000216724	0.000210891	**3663**	0.000193268
0.000209399	0.0001901	0.000453667	0.000235416	0.000193962	0.000207779	0.000188856	0.000449475	0.000235416	0.000197804	**3664**	0.000209533
0.000218959	0.000198742	0.000474846	0.000246125	0.000186407	0.000217237	0.000197412	0.000470449	0.000246125	0.00018947 3	**3665**	0.00021909
0.000213978	0.000194792	0.000456806	0.000237631	0.000182471	0.000211132	0.000192262	0.000452146	0.000237631	0.000185164	**3666**	0.000214251
0.000206484	0.000188871	0.000429402	0.000224325	0.00016526	0.000201712	0.000184288	0.000424265	0.000224325	0.000170227	**3667**	0.000206977
0.000196085	0.000179953	0.000400254	0.00020987	0.000147879	0.000190276	0.00017425	0.000394975	0.00020987	0.000154878	**3668**	0.000196704
0.000188086	0.000173124	0.000377454	0.000197909	0.000134155	0.000181322	0.000166367	0.00037233	0.000197909	0.000141711	**3669**	0.000188706
0.000170385	0.000157291	0.000336109	0.000176564	0.000121682	0.000163383	0.000150217	0.000331545	0.000176564	0.00012974	**3670**	0.000170949
0.000150104	0.000138448	0.000297639	0.000156095	0.000116762	0.000144204	0.000132494	0.000293778	0.000156095	0.000124294	**3671**	0.000150546
0.000135977	0.000125094	0.000273725	0.000143452	0.000112205	0.00013152	0.000120633	0.000270573	0.000143452	0.000119274	**3672**	0.000136276
0.000117651	0.000107945	0.000240495	0.000125754	0.000115988	0.00011452	0.000104846	0.000238087	0.000125754	0.000123489	**3673**	0.000117807
0.000110773	0.000101519	0.000227896	0.000119336	0.000119077	0.000108246	9.90424E-05	0.000225804	0.000119336	0.000126933	**3674**	0.000110878
0.00010575	9.69518E-05	0.000217107	0.000114058	0.000127227	0.00010343	9.46807E-05	0.000215174	0.000114058	0.000135993	**3675**	0.000105851
0.000105346	9.66295E-05	0.000215666	0.000113676	0.000139144	0.000103075	9.44088E-05	0.000213761	0.000113676	0.000149234	**3676**	0.000105458
0.000113856	0.000104384	0.000233741	0.000123001	0.000151709	0.000111416	0.000102004	0.000231632	0.000123001	0.000163177	**3677**	0.000113981
0.000125902	0.000115382	0.000259048	0.000135948	0.000159474	0.000123113	0.000112661	0.000256612	0.000135948	0.000171892	**3678**	0.00012605
0.000137403	0.000125539	0.000287561	0.000150378	0.000212285	0.000134912	0.000123185	0.000284691	0.000150378	0.000218087	**3679**	0.00013759
0.000139005	0.000126726	0.000294414	0.000154104	0.000215722	0.000137088	0.000125008	0.000291378	0.000154104	0.000221999	**3680**	0.00013923
0.00014164	0.000129218	0.000298856	0.000156652	0.000218928	0.000139541	0.000127313	0.000295718	0.000156652	0.000225496	**3681**	0.000141891
0.000151487	0.000138117	0.000320703	0.000167605	0.000220941	0.000149246	0.000136085	0.000317342	0.000167605	0.000227695	**3682**	0.000151735
0.00016629	0.000151418	0.000354518	0.000184491	0.000224448	0.000164007	0.000149376	0.000350874	0.000184491	0.000231553	**3683**	0.000166512
0.000184974	0.000168091	0.000398659	0.000206692	0.000218425	0.000183011	0.000166431	0.000394781	0.000206692	0.000226901	**3684**	0.000185134
0.000192528	0.000174869	0.000416033	0.000215556	0.000217687	0.000190654	0.00017332	0.000412049	0.000215556	0.000226097	**3685**	0.000192673
0.000194349	0.000176464	0.000420708	0.000218146	0.000210424	0.000192693	0.00017515	0.000416765	0.000218146	0.000218026	**3686**	0.00019448
0.00019311	0.000175447	0.000416661	0.000216724	0.00020579	0.000191481	0.000174157	0.000412758	0.000216724	0.000210891	**3687**	0.000193268
0.000209399	0.0001901	0.000453667	0.000235416	0.000193962	0.000207779	0.000188856	0.000449475	0.000235416	0.000197804	**3688**	0.000209533
0.000218959	0.000198742	0.000474846	0.000246125	0.000186407	0.000217237	0.000197412	0.000470449	0.000246125	0.000189473	**3689**	0.00021909
0.000213978	0.000194792	0.000456806	0.000237631	0.000182471	0.000211132	0.000192262	0.000452146	0.000237631	0.000185164	**3690**	0.000214251
0.000206484	0.000188871	0.000429402	0.000224325	0.00016526	0.000201712	0.000184288	0.000424265	0.000224325	0.000170227	**3691**	0.000206977
0.000196085	0.000179953	0.000400254	0.00020987	0.000147879	0.000190276	0.00017425	0.000394975	0.00020987	0.000154878	**3692**	0.000196704
0.000188086	0.000173124	0.000377454	0.000197909	0.000134155	0.000181322	0.000166367	0.00037233	0.000197909	0.000141711	**3693**	0.000188706
0.000170385	0.000157291	0.000336109	0.000176564	0.000121682	0.000163383	0.000150217	0.000331545	0.000176564	0.00012974	**3694**	0.000170949
0.000150104	0.000138448	0.000297639	0.000156095	0.000116762	0.000144204	0.000132494	0.000293778	0.000156095	0.000124294	**3695**	0.000150546
0.000135977	0.000125094	0.000273725	0.000143452	0.000112205	0.00013152	0.000120633	0.000270573	0.000143452	0.000119274	**3696**	0.000136276
0.000117651	0.000107945	0.000240495	0.000125754	0.000115988	0.00011452	0.000104846	0.000238087	0.000125754	0.000123489	**3697**	0.000117807
0.000110773	0.000101519	0.000227896	0.000119336	0.000119077	0.000108246	9.90424E-05	0.000225804	0.000119336	0.000126933	**3698**	0.000110878
0.00010575	9.69518E-05	0.000217107	0.000114058	0.000127227	0.00010343	9.46807E-05	0.000215174	0.000114058	0.000135993	**3699**	0.000105851
0.000105346	9.66295E-05	0.000215666	0.000113676	0.000139144	0.000103075	9.44088E-05	0.000213761	0.000113676	0.000149234	**3700**	0.000105458
0.000113856	0.000104384	0.000233741	0.000123001	0.000151709	0.000111416	0.000102004	0.000231632	0.000123001	0.000163177	**3701**	0.000113981
0.000125902	0.000115382	0.000259048	0.000135948	0.000159474	0.000123113	0.000112661	0.000256612	0.000135948	0.000171892	**3702**	0.00012605
0.000137403	0.000125539	0.000287561	0.000150378	0.000212285	0.000134912	0.000123185	0.000284691	0.000150378	0.000218087	**3703**	0.00013759
0.000139005	0.000126726	0.000294414	0.000154104	0.000215722	0.000137088	0.000125008	0.000291378	0.000154104	0.000221999	**3704**	0.00013923
0.00014164	0.000129218	0.000298856	0.000156652	0.000218928	0.000139541	0.000127313	0.000295718	0.000156652	0.000225496	**3705**	0.000141891
0.000151487	0.000138117	0.000320703	0.000167605	0.000220941	0.000149246	0.000136085	0.000317342	0.000167605	0.000227695	**3706**	0.000151735
0.00016629	0.000151418	0.000354518	0.000184491	0.000224448	0.000164007	0.000149376	0.000350874	0.000184491	0.000231553	**3707**	0.000166512
0.000184974	0.000168091	0.000398659	0.000206692	0.000218425	0.000183011	0.000166431	0.000394781	0.000206692	0.000226901	**3708**	0.000185134
0.000192528	0.000174869	0.000416033	0.000215556	0.000217687	0.000190654	0.00017332	0.000412049	0.000215556	0.000226097	**3709**	0.000192673
0.000194349	0.000176464	0.000420708	0.000218146	0.000210424	0.000192693	0.00017515	0.000416765	0.000218146	0.000218026	**3710**	0.00019448
0.00019311	0.000175447	0.000416661	0.000216724	0.00020579	0.000191481	0.000174157	0.000412758	0.000216724	0.000210891	**3711**	0.000193268
0.000209399	0.0001901	0.000453667	0.000235416	0.000193962	0.000207779	0.000188856	0.000449475	0.000235416	0.000197804	**3712**	0.000209533
0.000218959	0.000198742	0.000474846	0.000246125	0.000186407	0.000217237	0.000197412	0.000470449	0.000246125	0.000189473	**3713**	0.00021909
0.000213978	0.000194792	0.000456806	0.000237631	0.000182471	0.000211132	0.000192262	0.000452146	0.000237631	0.000185164	**3714**	0.000214251
0.000206484	0.000188871	0.000429402	0.000224325	0.00016526	0.000201712	0.000184288	0.000424265	0.000224325	0.000170227	**3715**	0.000206977

0.000196085	0.000179953	0.000400254	0.00020987	0.000147879	0.000190276	0.00017425	0.000394975	0.00020987	0.000154878	**3716**	0.000196704
0.000188086	0.000173124	0.000377454	0.000197909	0.000134155	0.000181322	0.000166367	0.00037233	0.000197909	0.000141711	**3717**	0.000188706
0.000170385	0.000157291	0.000336109	0.000176564	0.000121682	0.000163383	0.000150217	0.000331545	0.000176564	0.00012974	**3718**	0.000170949
0.000150104	0.000138448	0.000297639	0.000156095	0.000116762	0.000144204	0.000132494	0.000293778	0.000156095	0.000124294	**3719**	0.000150546
0.000135977	0.000125094	0.000273725	0.000143452	0.000112205	0.00013152	0.000120633	0.000270573	0.000143452	0.000119274	**3720**	0.000136276
0.000117872	0.000108137	0.000241078	0.000126019	0.000115963	0.000114745	0.000105043	0.000238666	0.000126019	0.00012346	**3721**	0.000118026
0.00011087	0.000101602	0.000228172	0.000119455	0.000118994	0.000108346	9.91279E-05	0.000226079	0.000119455	0.000126839	**3722**	0.000110974
0.000105821	9.70133E-05	0.000217301	0.000114144	0.000127071	0.000103502	9.47438E-05	0.000215367	0.000114144	0.000135816	**3723**	0.000105921
0.000105307	9.65917E-05	0.000215609	0.000113634	0.000139032	0.000103036	9.43713E-05	0.000213705	0.000113634	0.000149109	**3724**	0.000105418
0.000113714	0.000104254	0.000233446	0.000122838	0.00015151	0.000111273	0.000101873	0.000231339	0.000122838	0.000162952	**3725**	0.000113838
0.000125468	0.000114996	0.000258001	0.000135437	0.000159235	0.000122674	0.00011227	0.000255572	0.000135437	0.000171618	**3726**	0.000125618
0.000138743	0.000127	0.000287374	0.000150396	0.00021213	0.000135752	0.000124106	0.000284502	0.000150396	0.000217903	**3727**	0.000138935
0.000138889	0.000126623	0.000294131	0.000153967	0.000215577	0.00013697	0.000124903	0.000291097	0.000153967	0.000221823	**3728**	0.000139114
0.000141717	0.000129284	0.000299079	0.000156746	0.000218846	0.00013962	0.000127381	0.00029594	0.000156746	0.000225391	**3729**	0.000141967
0.000152532	0.000139049	0.000323183	0.000168832	0.000220956	0.000150302	0.000137031	0.000319806	0.000168832	0.000227696	**3730**	0.000152776
0.000168001	0.000152949	0.000358507	0.000186493	0.000224689	0.000165734	0.000150929	0.000354838	0.000186493	0.000231806	**3731**	0.000168218
0.000186882	0.000169806	0.000403002	0.000208915	0.000218672	0.000184935	0.000168168	0.000399096	0.000208915	0.000227159	**3732**	0.000187039
0.000194302	0.000176467	0.000420036	0.000217619	0.000217856	0.000192442	0.000174937	0.000416026	0.000217619	0.000226269	**3733**	0.000194445
0.000197507	0.000179302	0.000427921	0.000221828	0.000210513	0.000195878	0.000178023	0.000423931	0.000221828	0.000218109	**3734**	0.000197633
0.000196244	0.000178265	0.000423789	0.000220374	0.000205798	0.000194642	0.00017701	0.000419839	0.000220374	0.000210883	**3735**	0.000196397
0.000212835	0.000193192	0.000461457	0.000239415	0.000194253	0.000211243	0.000191986	0.000457213	0.000239415	0.000198112	**3736**	0.000212964
0.000223163	0.000202516	0.000484484	0.000251029	0.000186709	0.000221478	0.000201236	0.000480024	0.000251029	0.000189792	**3737**	0.000223286
0.000217955	0.000198362	0.000465933	0.000242271	0.000182877	0.000215144	0.000195879	0.000461214	0.000242271	0.000185602	**3738**	0.00021822
0.000209956	0.000191986	0.000437404	0.00022838	0.000165614	0.000205216	0.000187444	0.000432215	0.00022838	0.000170609	**3739**	0.000210442
0.000199032	0.000182597	0.000407041	0.000213311	0.000148204	0.00019325	0.000176928	0.000401717	0.000213311	0.000155227	**3740**	0.000199645
0.000189213	0.000173877	0.000383307	0.00020077	0.000134345	0.00018297	0.000167689	0.000378147	0.00020077	0.000141914	**3741**	0.000189823
0.000172286	0.000158993	0.000340522	0.000178787	0.000121883	0.000165302	0.000151943	0.000335929	0.000178787	0.000129953	**3742**	0.000172845
0.000151914	0.000140065	0.000301894	0.000158217	0.000116895	0.000146033	0.000134134	0.000298006	0.000158217	0.000124431	**3743**	0.00015235
0.000137427	0.000126401	0.000276972	0.000145135	0.000112419	0.00013298	0.000121955	0.000273799	0.000145135	0.000119502	**3744**	0.000137723
0.000117872	0.000108137	0.000241078	0.000126019	0.000115963	0.000114745	0.000105043	0.000238666	0.000126019	0.00012346	**3745**	0.000118026
0.00011087	0.000101602	0.000228172	0.000119455	0.000118994	0.000108346	9.91279E-05	0.000226079	0.000119455	0.000126839	**3746**	0.000110974
0.000105821	9.70133E-05	0.000217301	0.000114144	0.000127071	0.000103502	9.47438E-05	0.000215367	0.000114144	0.000135816	**3747**	0.000105921
0.000105307	9.65917E-05	0.000215609	0.000113634	0.000139032	0.000103036	9.43713E-05	0.000213705	0.000113634	0.000149109	**3748**	0.000105418
0.000113714	0.000104254	0.000233446	0.000122838	0.00015151	0.000111273	0.000101873	0.000231339	0.000122838	0.000162952	**3749**	0.000113838
0.000125468	0.000114996	0.000258001	0.000135437	0.000159235	0.000122674	0.00011227	0.000255572	0.000135437	0.000171618	**3750**	0.000125618
0.000138743	0.000127	0.000287374	0.000150396	0.00021213	0.000135752	0.000124106	0.000284502	0.000150396	0.000217903	**3751**	0.000138935
0.000138889	0.000126623	0.000294131	0.000153967	0.000215577	0.00013697	0.000124903	0.000291097	0.000153967	0.000221823	**3752**	0.000139114
0.000141717	0.000129284	0.000299079	0.000156746	0.000218846	0.00013962	0.000127381	0.00029594	0.000156746	0.000225391	**3753**	0.000141967
0.000152532	0.000139049	0.000323183	0.000168832	0.000220956	0.000150302	0.000137031	0.000319806	0.000168832	0.000227696	**3754**	0.000152776
0.000168001	0.000152949	0.000358507	0.000186493	0.000224689	0.000165734	0.000150929	0.000354838	0.000186493	0.000231806	**3755**	0.000168218
0.000186882	0.000169806	0.000403002	0.000208915	0.000218672	0.000184935	0.000168168	0.000399096	0.000208915	0.000227159	**3756**	0.000187039
0.000194302	0.000176467	0.000420036	0.000217619	0.000217856	0.000192442	0.000174937	0.000416026	0.000217619	0.000226269	**3757**	0.000194445
0.000197507	0.000179302	0.000427921	0.000221828	0.000210513	0.000195878	0.000178023	0.000423931	0.000221828	0.000218109	**3758**	0.000197633
0.000196244	0.000178265	0.000423789	0.000220374	0.000205798	0.000194642	0.00017701	0.000419839	0.000220374	0.000210883	**3759**	0.000196397
0.000212835	0.000193192	0.000461457	0.000239415	0.000194253	0.000211243	0.000191986	0.000457213	0.000239415	0.000198112	**3760**	0.000212964
0.000223163	0.000202516	0.000484484	0.000251029	0.000186709	0.000221478	0.000201236	0.000480024	0.000251029	0.000189792	**3761**	0.000223286
0.000217955	0.000198362	0.000465933	0.000242271	0.000182877	0.000215144	0.000195879	0.000461214	0.000242271	0.000185602	**3762**	0.00021822
0.000209956	0.000191986	0.000437404	0.00022838	0.000165614	0.000205216	0.000187444	0.000432215	0.00022838	0.000170609	**3763**	0.000210442
0.000199032	0.000182597	0.000407041	0.000213311	0.000148204	0.00019325	0.000176928	0.000401717	0.000213311	0.000155227	**3764**	0.000199645
0.000189213	0.000173877	0.000383307	0.00020077	0.000134345	0.00018297	0.000167689	0.000378147	0.00020077	0.000141914	**3765**	0.000189823
0.000172286	0.000158993	0.000340522	0.000178787	0.000121883	0.000165302	0.000151943	0.000335929	0.000178787	0.000129953	**3766**	0.000172845
0.000151914	0.000140065	0.000301894	0.000158217	0.000116895	0.000146033	0.000134134	0.000298006	0.000158217	0.000124431	**3767**	0.00015235
0.000137427	0.000126401	0.000276972	0.000145135	0.000112419	0.00013298	0.000121955	0.000273799	0.000145135	0.000119502	**3768**	0.000137723
0.000117651	0.000107945	0.000240495	0.000125754	0.000115988	0.00011452	0.000104846	0.000238087	0.000125754	0.000123489	**3769**	0.000117807
0.000110773	0.000101519	0.000227896	0.000119336	0.000119077	0.000108246	9.90424E-05	0.000225804	0.000119336	0.000126933	**3770**	0.000110878
0.00010575	9.69518E-05	0.000217107	0.000114058	0.000127227	0.00010343	9.46807E-05	0.000215174	0.000114058	0.000135993	**3771**	0.000105851
0.000105346	9.66295E-05	0.000215666	0.000113676	0.000139144	0.000103075	9.44088E-05	0.000213761	0.000113676	0.000149234	**3772**	0.000105458
0.000113856	0.000104384	0.000233741	0.000123001	0.000151709	0.000111416	0.000102004	0.000231632	0.000123001	0.000163177	**3773**	0.000113981
0.000125902	0.000115382	0.000259048	0.000135948	0.000159474	0.000123113	0.000112661	0.000256612	0.000135948	0.000171892	**3774**	0.00012605
0.000137403	0.000125539	0.000287561	0.000150378	0.000212285	0.000134912	0.000123185	0.000284691	0.000150378	0.000218087	**3775**	0.00013759
0.000139005	0.000126726	0.000294414	0.000154104	0.000215722	0.000137088	0.000125008	0.000291378	0.000154104	0.000221999	**3776**	0.00013923
0.00014164	0.000129218	0.000298856	0.000156652	0.000218928	0.000139541	0.000127313	0.000295718	0.000156652	0.000225496	**3777**	0.000141891
0.000151487	0.000138117	0.000320703	0.000167605	0.000220941	0.000149246	0.000136085	0.000317342	0.000167605	0.000227695	**3778**	0.000151735
0.00016629	0.000151418	0.000354518	0.000184491	0.000224448	0.000164007	0.000149376	0.000350874	0.000184491	0.000231553	**3779**	0.000166512
0.000184974	0.000168091	0.000398659	0.000206692	0.000218425	0.000183011	0.000166431	0.000394781	0.000206692	0.000226901	**3780**	0.000185134
0.000192528	0.000174869	0.000416033	0.000215556	0.000217687	0.000190654	0.00017332	0.000412049	0.000215556	0.000226097	**3781**	0.000192673
0.000194349	0.000176464	0.000420708	0.000218146	0.000210424	0.000192693	0.00017515	0.000416765	0.000218146	0.000218026	**3782**	0.00019448
0.00019311	0.000175447	0.000416661	0.000216724	0.00020579	0.000191481	0.000174157	0.000412758	0.000216724	0.000210891	**3783**	0.000193268
0.000209399	0.0001901	0.000453667	0.000235416	0.000193962	0.000207779	0.000188856	0.000449475	0.000235416	0.000197804	**3784**	0.000209533
0.000218959	0.000198742	0.000474846	0.000246125	0.000186407	0.000217237	0.000197412	0.000470449	0.000246125	0.000189473	**3785**	0.00021909
0.000213978	0.000194792	0.000456806	0.000237631	0.000182471	0.000211132	0.000192262	0.000452146	0.000237631	0.000185164	**3786**	0.000214251
0.000206484	0.000188871	0.000429402	0.000224325	0.00016526	0.000201712	0.000184288	0.000424265	0.000224325	0.000170227	**3787**	0.000206977
0.000196085	0.000179953	0.000400254	0.00020987	0.000147879	0.000190276	0.00017425	0.000394975	0.00020987	0.000154878	**3788**	0.000196704
0.000188086	0.000173124	0.000377454	0.000197909	0.000134155	0.000181322	0.000166367	0.00037233	0.000197909	0.000141711	**3789**	0.000188706
0.000170385	0.000157291	0.000336109	0.000176564	0.000121682	0.000163383	0.000150217	0.000331545	0.000176564	0.00012974	**3790**	0.000170949
0.000150104	0.000138448	0.000297639	0.000156095	0.000116762	0.000144204	0.000132494	0.000293778	0.000156095	0.000124294	**3791**	0.000150546

0.000135977	0.000125094	0.000273725	0.000143452	0.000112205	0.00013152	0.000120633	0.000270573	0.000143452	0.000119274	**3792**	0.000136276
0.000117651	0.000107945	0.000240495	0.000125754	0.000115988	0.00011452	0.000104846	0.000238087	0.000125754	0.000123489	**3793**	0.000117807
0.000110773	0.000101519	0.000227896	0.000119336	0.000119077	0.000108246	9.90424E-05	0.000225804	0.000119336	0.000126933	**3794**	0.000110878
0.00010575	9.69518E-05	0.000217107	0.000114058	0.000127227	0.00010343	9.46807E-05	0.000215174	0.000114058	0.000135993	**3795**	0.000105851
0.000105346	9.66295E-05	0.000215666	0.000113676	0.000139144	0.000103075	9.44088E-05	0.000213761	0.000113676	0.000149234	**3796**	0.000105458
0.000113856	0.000104384	0.000233741	0.000123001	0.000151709	0.000111416	0.000102004	0.000231632	0.000123001	0.000163177	**3797**	0.000113981
0.000125902	0.000115382	0.000259048	0.000135948	0.000159474	0.000123113	0.000112661	0.000256612	0.000135948	0.000171892	**3798**	0.00012605
0.000137403	0.000125539	0.000287561	0.000150378	0.000212285	0.000134912	0.000123185	0.000284691	0.000150378	0.000218087	**3799**	0.00013759
0.000139005	0.000126726	0.000294414	0.000154104	0.000215722	0.000137088	0.000125008	0.000291378	0.000154104	0.000221999	**3800**	0.00013923
0.00014164	0.000129218	0.000298856	0.000156652	0.000218928	0.000139541	0.000127313	0.000295718	0.000156652	0.000225496	**3801**	0.000141891
0.000151487	0.000138117	0.000320703	0.000167605	0.000220941	0.000149246	0.000136085	0.000317342	0.000167605	0.000227695	**3802**	0.000151735
0.00016629	0.000151418	0.000354518	0.000184491	0.000224448	0.000164007	0.000149376	0.000350874	0.000184491	0.000231553	**3803**	0.000166512
0.000184974	0.000168091	0.000398659	0.000206692	0.000218425	0.000183011	0.000166431	0.000394781	0.000206692	0.000226901	**3804**	0.000185134
0.000192528	0.000174869	0.000416033	0.000215556	0.000217687	0.000190654	0.00017332	0.000412049	0.000215556	0.000226097	**3805**	0.000192673
0.000194349	0.000176464	0.000420708	0.000218146	0.000210424	0.000192693	0.00017515	0.000416765	0.000218146	0.000218026	**3806**	0.00019448
0.00019311	0.000175447	0.000416661	0.000216724	0.00020579	0.000191481	0.000174157	0.000412758	0.000216724	0.000210891	**3807**	0.000193268
0.000209399	0.0001901	0.000453667	0.000235416	0.000193962	0.000207779	0.000188856	0.000449475	0.000235416	0.000197804	**3808**	0.000209533
0.000218959	0.000198742	0.000474846	0.000246125	0.000186407	0.000217237	0.000197412	0.000470449	0.000246125	0.000189473	**3809**	0.00021909
0.000213978	0.000194792	0.000456806	0.000237631	0.000182471	0.000211132	0.000192262	0.000452146	0.000237631	0.000185164	**3810**	0.000214251
0.000206484	0.000188871	0.000429402	0.000224325	0.00016526	0.000201712	0.000184288	0.000424265	0.000224325	0.000170227	**3811**	0.000206977
0.000196085	0.000179953	0.000400254	0.00020987	0.000147879	0.000190276	0.00017425	0.000394975	0.00020987	0.000154878	**3812**	0.000196704
0.000188086	0.000173124	0.000377454	0.000197909	0.000134155	0.000181322	0.000166367	0.00037233	0.000197909	0.000141711	**3813**	0.000188706
0.000170385	0.000157291	0.000336109	0.000176564	0.000121682	0.000163383	0.000150217	0.000331545	0.000176564	0.00012974	**3814**	0.000170949
0.000150104	0.000138448	0.000297639	0.000156095	0.000116762	0.000144204	0.000132494	0.000293778	0.000156095	0.000124294	**3815**	0.000150546
0.000135977	0.000125094	0.000273725	0.000143452	0.000112205	0.00013152	0.000120633	0.000270573	0.000143452	0.000119274	**3816**	0.000136276
0.000117651	0.000107945	0.000240495	0.000125754	0.000115988	0.00011452	0.000104846	0.000238087	0.000125754	0.000123489	**3817**	0.000117807
0.000110773	0.000101519	0.000227896	0.000119336	0.000119077	0.000108246	9.90424E-05	0.000225804	0.000119336	0.000126933	**3818**	0.000110878
0.00010575	9.69518E-05	0.000217107	0.000114058	0.000127227	0.00010343	9.46807E-05	0.000215174	0.000114058	0.000135993	**3819**	0.000105851
0.000105346	9.66295E-05	0.000215666	0.000113676	0.000139144	0.000103075	9.44088E-05	0.000213761	0.000113676	0.000149234	**3820**	0.000105458
0.000113856	0.000104384	0.000233741	0.000123001	0.000151709	0.000111416	0.000102004	0.000231632	0.000123001	0.000163177	**3821**	0.000113981
0.000125902	0.000115382	0.000259048	0.000135948	0.000159474	0.000123113	0.000112661	0.000256612	0.000135948	0.000171892	**3822**	0.00012605
0.000137403	0.000125539	0.000287561	0.000150378	0.000212285	0.000134912	0.000123185	0.000284691	0.000150378	0.000218087	**3823**	0.00013759
0.000139005	0.000126726	0.000294414	0.000154104	0.000215722	0.000137088	0.000125008	0.000291378	0.000154104	0.000221999	**3824**	0.00013923
0.00014164	0.000129218	0.000298856	0.000156652	0.000218928	0.000139541	0.000127313	0.000295718	0.000156652	0.000225496	**3825**	0.000141891
0.000151487	0.000138117	0.000320703	0.000167605	0.000220941	0.000149246	0.000136085	0.000317342	0.000167605	0.000227695	**3826**	0.000151735
0.00016629	0.000151418	0.000354518	0.000184491	0.000224448	0.000164007	0.000149376	0.000350874	0.000184491	0.000231553	**3827**	0.000166512
0.000184974	0.000168091	0.000398659	0.000206692	0.000218425	0.000183011	0.000166431	0.000394781	0.000206692	0.000226901	**3828**	0.000185134
0.000192528	0.000174869	0.000416033	0.000215556	0.000217687	0.000190654	0.00017332	0.000412049	0.000215556	0.000226097	**3829**	0.000192673
0.000194349	0.000176464	0.000420708	0.000218146	0.000210424	0.000192693	0.00017515	0.000416765	0.000218146	0.000218026	**3830**	0.00019448
0.00019311	0.000175447	0.000416661	0.000216724	0.00020579	0.000191481	0.000174157	0.000412758	0.000216724	0.000210891	**3831**	0.000193268
0.000209399	0.0001901	0.000453667	0.000235416	0.000193962	0.000207779	0.000188856	0.000449475	0.000235416	0.000197804	**3832**	0.000209533
0.000218959	0.000198742	0.000474846	0.000246125	0.000186407	0.000217237	0.000197412	0.000470449	0.000246125	0.000189473	**3833**	0.00021909
0.000213978	0.000194792	0.000456806	0.000237631	0.000182471	0.000211132	0.000192262	0.000452146	0.000237631	0.000185164	**3834**	0.000214251
0.000206484	0.000188871	0.000429402	0.000224325	0.00016526	0.000201712	0.000184288	0.000424265	0.000224325	0.000170227	**3835**	0.000206977
0.000196085	0.000179953	0.000400254	0.00020987	0.000147879	0.000190276	0.00017425	0.000394975	0.00020987	0.000154878	**3836**	0.000196704
0.000188086	0.000173124	0.000377454	0.000197909	0.000134155	0.000181322	0.000166367	0.00037233	0.000197909	0.000141711	**3837**	0.000188706
0.000170385	0.000157291	0.000336109	0.000176564	0.000121682	0.000163383	0.000150217	0.000331545	0.000176564	0.00012974	**3838**	0.000170949
0.000150104	0.000138448	0.000297639	0.000156095	0.000116762	0.000144204	0.000132494	0.000293778	0.000156095	0.000124294	**3839**	0.000150546
0.000135977	0.000125094	0.000273725	0.000143452	0.000112205	0.00013152	0.000120633	0.000270573	0.000143452	0.000119274	**3840**	0.000136276
0.000117651	0.000107945	0.000240495	0.000125754	0.000115988	0.00011452	0.000104846	0.000238087	0.000125754	0.000123489	**3841**	0.000117807
0.000110773	0.000101519	0.000227896	0.000119336	0.000119077	0.000108246	9.90424E-05	0.000225804	0.000119336	0.000126933	**3842**	0.000110878
0.00010575	9.69518E-05	0.000217107	0.000114058	0.000127227	0.00010343	9.46807E-05	0.000215174	0.000114058	0.000135993	**3843**	0.000105851
0.000105346	9.66295E-05	0.000215666	0.000113676	0.000139144	0.000103075	9.44088E-05	0.000213761	0.000113676	0.000149234	**3844**	0.000105458
0.000113856	0.000104384	0.000233741	0.000123001	0.000151709	0.000111416	0.000102004	0.000231632	0.000123001	0.000163177	**3845**	0.000113981
0.000125902	0.000115382	0.000259048	0.000135948	0.000159474	0.000123113	0.000112661	0.000256612	0.000135948	0.000171892	**3846**	0.00012605
0.000137403	0.000125539	0.000287561	0.000150378	0.000212285	0.000134912	0.000123185	0.000284691	0.000150378	0.000218087	**3847**	0.00013759
0.000139005	0.000126726	0.000294414	0.000154104	0.000215722	0.000137088	0.000125008	0.000291378	0.000154104	0.000221999	**3848**	0.00013923
0.00014164	0.000129218	0.000298856	0.000156652	0.000218928	0.000139541	0.000127313	0.000295718	0.000156652	0.000225496	**3849**	0.000141891
0.000151487	0.000138117	0.000320703	0.000167605	0.000220941	0.000149246	0.000136085	0.000317342	0.000167605	0.000227695	**3850**	0.000151735
0.00016629	0.000151418	0.000354518	0.000184491	0.000224448	0.000164007	0.000149376	0.000350874	0.000184491	0.000231553	**3851**	0.000166512
0.000184974	0.000168091	0.000398659	0.000206692	0.000218425	0.000183011	0.000166431	0.000394781	0.000206692	0.000226901	**3852**	0.000185134
0.000192528	0.000174869	0.000416033	0.000215556	0.000217687	0.000190654	0.00017332	0.000412049	0.000215556	0.000226097	**3853**	0.000192673
0.000194349	0.000176464	0.000420708	0.000218146	0.000210424	0.000192693	0.00017515	0.000416765	0.000218146	0.000218026	**3854**	0.00019448
0.00019311	0.000175447	0.000416661	0.000216724	0.00020579	0.000191481	0.000174157	0.000412758	0.000216724	0.000210891	**3855**	0.000193268
0.000209399	0.0001901	0.000453667	0.000235416	0.000193962	0.000207779	0.000188856	0.000449475	0.000235416	0.000197804	**3856**	0.000209533
0.000218959	0.000198742	0.000474846	0.000246125	0.000186407	0.000217237	0.000197412	0.000470449	0.000246125	0.000189473	**3857**	0.00021909
0.000213978	0.000194792	0.000456806	0.000237631	0.000182471	0.000211132	0.000192262	0.000452146	0.000237631	0.000185164	**3858**	0.000214251
0.000206484	0.000188871	0.000429402	0.000224325	0.00016526	0.000201712	0.000184288	0.000424265	0.000224325	0.000170227	**3859**	0.000206977
0.000196085	0.000179953	0.000400254	0.00020987	0.000147879	0.000190276	0.00017425	0.000394975	0.00020987	0.000154878	**3860**	0.000196704
0.000188086	0.000173124	0.000377454	0.000197909	0.000134155	0.000181322	0.000166367	0.00037233	0.000197909	0.000141711	**3861**	0.000188706
0.000170385	0.000157291	0.000336109	0.000176564	0.000121682	0.000163383	0.000150217	0.000331545	0.000176564	0.00012974	**3862**	0.000170949
0.000150104	0.000138448	0.000297639	0.000156095	0.000116762	0.000144204	0.000132494	0.000293778	0.000156095	0.000124294	**3863**	0.000150546
0.000135977	0.000125094	0.000273725	0.000143452	0.000112205	0.00013152	0.000120633	0.000270573	0.000143452	0.000119274	**3864**	0.000136276
0.000117651	0.000107945	0.000240495	0.000125754	0.000115988	0.00011452	0.000104846	0.000238087	0.000125754	0.000123489	**3865**	0.000117807
0.000110773	0.000101519	0.000227896	0.000119336	0.000119077	0.000108246	9.90424E-05	0.000225804	0.000119336	0.000126933	**3866**	0.000110878
0.00010575	9.69518E-05	0.000217107	0.000114058	0.000127227	0.00010343	9.46807E-05	0.000215174	0.000114058	0.000135993	**3867**	0.000105851

0.000105346	9.66295E-05	0.000215666	0.000113676	0.000139144	0.000103075	9.44088E-05	0.000213761	0.000113676	0.000149234	**3868**	0.000105458
0.000113856	0.000104384	0.000233741	0.000123001	0.000151709	0.000111416	0.000102004	0.000231632	0.000123001	0.000163177	**3869**	0.000113981
0.000125902	0.000115382	0.000259048	0.000135948	0.000159474	0.000123113	0.000112661	0.000256612	0.000135948	0.000171892	**3870**	0.00012605
0.000137403	0.000125539	0.000287561	0.000150378	0.000212285	0.000134912	0.000123185	0.000284691	0.000150378	0.000218087	**3871**	0.00013759
0.000139005	0.000126726	0.000294414	0.000154104	0.000215722	0.000137088	0.000125008	0.000291378	0.000154104	0.000221999	**3872**	0.00013923
0.00014164	0.000129218	0.000298856	0.000156652	0.000218928	0.000139541	0.000127313	0.000295718	0.000156652	0.000225496	**3873**	0.000141891
0.000151487	0.000138117	0.000320703	0.000167605	0.000220941	0.000149246	0.000136085	0.000317342	0.000167605	0.000227695	**3874**	0.000151735
0.00016629	0.000151418	0.000354518	0.000184491	0.000224448	0.000164007	0.000149376	0.000350874	0.000184491	0.000231553	**3875**	0.000166512
0.000184974	0.000168091	0.000398659	0.000206692	0.000218425	0.000183011	0.000166431	0.000394781	0.000206692	0.000226901	**3876**	0.000185134
0.000192528	0.000174869	0.000416033	0.000215556	0.000217687	0.000190654	0.00017332	0.000412049	0.000215556	0.000226097	**3877**	0.000192673
0.000194349	0.000176464	0.000420708	0.000218146	0.000210424	0.000192693	0.00017515	0.000416765	0.000218146	0.000218026	**3878**	0.00019448
0.00019311	0.000175447	0.000416661	0.000216724	0.00020579	0.000191481	0.000174157	0.000412758	0.000216724	0.000210891	**3879**	0.000193268
0.000209399	0.0001901	0.000453667	0.000235416	0.000193962	0.000207779	0.000188856	0.000449475	0.000235416	0.000197804	**3880**	0.000209533
0.000218959	0.000198742	0.000474846	0.000246125	0.000186407	0.000217237	0.000197412	0.000470449	0.000246125	0.000189473	**3881**	0.00021909
0.000213978	0.000194792	0.000456806	0.000237631	0.000182471	0.000211132	0.000192262	0.000452146	0.000237631	0.000185164	**3882**	0.000214251
0.000206484	0.000188871	0.000429402	0.000224325	0.00016526	0.000201712	0.000184288	0.000424265	0.000224325	0.000170227	**3883**	0.000206977
0.000196085	0.000179953	0.000400254	0.00020987	0.000147879	0.000190276	0.00017425	0.000394975	0.00020987	0.000154878	**3884**	0.000196704
0.000188086	0.000173124	0.000377454	0.000197909	0.000134155	0.000181322	0.000166367	0.00037233	0.000197909	0.000141711	**3885**	0.000188706
0.000170385	0.000157291	0.000336109	0.000176564	0.000121682	0.000163383	0.000150217	0.000331545	0.000176564	0.00012974	**3886**	0.000170949
0.000150104	0.000138448	0.000297639	0.000156095	0.000116762	0.000144204	0.000132494	0.000293778	0.000156095	0.000124294	**3887**	0.000150546
0.000135977	0.000125094	0.000273725	0.000143452	0.000112205	0.00013152	0.000120633	0.000270573	0.000143452	0.000119274	**3888**	0.000136276
0.000117872	0.000108137	0.000241078	0.000126019	0.000115963	0.000114745	0.000105043	0.000238666	0.000126019	0.00012346	**3889**	0.000118026
0.00011087	0.000101602	0.000228172	0.000119455	0.000118994	0.000108346	9.91279E-05	0.000226079	0.000119455	0.000126839	**3890**	0.000110974
0.000105821	9.70133E-05	0.000217301	0.000114144	0.000127071	0.000103502	9.47438E-05	0.000215367	0.000114144	0.000135816	**3891**	0.000105921
0.000105307	9.65917E-05	0.000215609	0.000113634	0.000139032	0.000103036	9.43713E-05	0.000213705	0.000113634	0.000149109	**3892**	0.000105418
0.000113714	0.000104254	0.000233446	0.000122838	0.00015151	0.000111273	0.000101873	0.000231339	0.000122838	0.000162952	**3893**	0.000113838
0.000125468	0.000114996	0.000258001	0.000135437	0.000159235	0.000122674	0.00011227	0.000255572	0.000135437	0.000171618	**3894**	0.000125618
0.000138743	0.000127	0.000287374	0.000150396	0.00021213	0.000135752	0.000124106	0.000284502	0.000150396	0.000217903	**3895**	0.000138935
0.000138889	0.000126623	0.000294131	0.000153967	0.000215577	0.00013697	0.000124903	0.000291097	0.000153967	0.000221823	**3896**	0.000139114
0.000141717	0.000129284	0.000299079	0.000156746	0.000218846	0.00013962	0.000127381	0.00029594	0.000156746	0.000225391	**3897**	0.000141967
0.000152532	0.000139049	0.000323183	0.000168832	0.000220956	0.000150302	0.000137031	0.000319806	0.000168832	0.000227696	**3898**	0.000152776
0.000168001	0.000152949	0.000358507	0.000186493	0.000224689	0.000165734	0.000150929	0.000354838	0.000186493	0.000231806	**3899**	0.000168218
0.000186882	0.000169806	0.000403002	0.000208915	0.000218672	0.000184935	0.000168168	0.000399096	0.000208915	0.000227159	**3900**	0.000187039
0.000194302	0.000176467	0.000420036	0.000217619	0.000217856	0.000192442	0.000174937	0.000416026	0.000217619	0.000226269	**3901**	0.000194445
0.000197507	0.000179302	0.000427921	0.000221828	0.000210513	0.000195878	0.000178023	0.000423931	0.000221828	0.000218109	**3902**	0.000197633
0.000196244	0.000178265	0.000423789	0.000220374	0.000205798	0.000194642	0.00017701	0.000419839	0.000220374	0.000210883	**3903**	0.000196397
0.000212835	0.000193192	0.000461457	0.000239415	0.000194253	0.000211243	0.000191986	0.000457213	0.000239415	0.000198112	**3904**	0.000212964
0.000223163	0.000202516	0.000484484	0.000251029	0.000186709	0.000221478	0.000201236	0.000480024	0.000251029	0.000189792	**3905**	0.000223286
0.000217955	0.000198362	0.000465933	0.000242271	0.000182877	0.000215144	0.000195879	0.000461214	0.000242271	0.000185602	**3906**	0.00021822
0.000209956	0.000191986	0.000437404	0.00022838	0.000165614	0.000205216	0.000187444	0.000432215	0.00022838	0.000170609	**3907**	0.000210442
0.000199032	0.000182597	0.000407041	0.000213311	0.000148204	0.00019325	0.000176928	0.000401717	0.000213311	0.000155227	**3908**	0.000199645
0.000189213	0.000173877	0.000383307	0.00020077	0.000134345	0.00018297	0.000167689	0.000378147	0.00020077	0.000141914	**3909**	0.000189823
0.000172286	0.000158993	0.000340522	0.000178787	0.000121883	0.000165302	0.000151943	0.000335929	0.000178787	0.000129953	**3910**	0.000172845
0.000151914	0.000140065	0.000301894	0.000158217	0.000116895	0.000146033	0.000134134	0.000298006	0.000158217	0.000124431	**3911**	0.00015235
0.000137427	0.000126401	0.000276972	0.000145135	0.000112419	0.00013298	0.000121955	0.000273799	0.000145135	0.000119502	**3912**	0.000137723
0.000117872	0.000108137	0.000241078	0.000126019	0.000115963	0.000114745	0.000105043	0.000238666	0.000126019	0.00012346	**3913**	0.000118026
0.00011087	0.000101602	0.000228172	0.000119455	0.000118994	0.000108346	9.91279E-05	0.000226079	0.000119455	0.000126839	**3914**	0.000110974
0.000105821	9.70133E-05	0.000217301	0.000114144	0.000127071	0.000103502	9.47438E-05	0.000215367	0.000114144	0.000135816	**3915**	0.000105921
0.000105307	9.65917E-05	0.000215609	0.000113634	0.000139032	0.000103036	9.43713E-05	0.000213705	0.000113634	0.000149109	**3916**	0.000105418
0.000113714	0.000104254	0.000233446	0.000122838	0.00015151	0.000111273	0.000101873	0.000231339	0.000122838	0.000162952	**3917**	0.000113838
0.000125468	0.000114996	0.000258001	0.000135437	0.000159235	0.000122674	0.00011227	0.000255572	0.000135437	0.000171618	**3918**	0.000125618
0.000138743	0.000127	0.000287374	0.000150396	0.00021213	0.000135752	0.000124106	0.000284502	0.000150396	0.000217903	**3919**	0.000138935
0.000138889	0.000126623	0.000294131	0.000153967	0.000215577	0.00013697	0.000124903	0.000291097	0.000153967	0.000221823	**3920**	0.000139114
0.000141717	0.000129284	0.000299079	0.000156746	0.000218846	0.00013962	0.000127381	0.00029594	0.000156746	0.000225391	**3921**	0.000141967
0.000152532	0.000139049	0.000323183	0.000168832	0.000220956	0.000150302	0.000137031	0.000319806	0.000168832	0.000227696	**3922**	0.000152776
0.000168001	0.000152949	0.000358507	0.000186493	0.000224689	0.000165734	0.000150929	0.000354838	0.000186493	0.000231806	**3923**	0.000168218
0.000186882	0.000169806	0.000403002	0.000208915	0.000218672	0.000184935	0.000168168	0.000399096	0.000208915	0.000227159	**3924**	0.000187039
0.000194302	0.000176467	0.000420036	0.000217619	0.000217856	0.000192442	0.000174937	0.000416026	0.000217619	0.000226269	**3925**	0.000194445
0.000197507	0.000179302	0.000427921	0.000221828	0.000210513	0.000195878	0.000178023	0.000423931	0.000221828	0.000218109	**3926**	0.000197633
0.000196244	0.000178265	0.000423789	0.000220374	0.000205798	0.000194642	0.00017701	0.000419839	0.000220374	0.000210883	**3927**	0.000196397
0.000212835	0.000193192	0.000461457	0.000239415	0.000194253	0.000211243	0.000191986	0.000457213	0.000239415	0.000198112	**3928**	0.000212964
0.000223163	0.000202516	0.000484484	0.000251029	0.000186709	0.000221478	0.000201236	0.000480024	0.000251029	0.000189792	**3929**	0.000223286
0.000217955	0.000198362	0.000465933	0.000242271	0.000182877	0.000215144	0.000195879	0.000461214	0.000242271	0.000185602	**3930**	0.00021822
0.000209956	0.000191986	0.000437404	0.00022838	0.000165614	0.000205216	0.000187444	0.000432215	0.00022838	0.000170609	**3931**	0.000210442
0.000199032	0.000182597	0.000407041	0.000213311	0.000148204	0.00019325	0.000176928	0.000401717	0.000213311	0.000155227	**3932**	0.000199645
0.000189213	0.000173877	0.000383307	0.00020077	0.000134345	0.00018297	0.000167689	0.000378147	0.00020077	0.000141914	**3933**	0.000189823
0.000172286	0.000158993	0.000340522	0.000178787	0.000121883	0.000165302	0.000151943	0.000335929	0.000178787	0.000129953	**3934**	0.000172845
0.000151914	0.000140065	0.000301894	0.000158217	0.000116895	0.000146033	0.000134134	0.000298006	0.000158217	0.000124431	**3935**	0.00015235
0.000137427	0.000126401	0.000276972	0.000145135	0.000112419	0.00013298	0.000121955	0.000273799	0.000145135	0.000119502	**3936**	0.000137723
0.000117651	0.000107945	0.000240495	0.000125754	0.000115988	0.00011452	0.000104846	0.000238087	0.000125754	0.000123489	**3937**	0.000117807
0.000110773	0.000101519	0.000227896	0.000119336	0.000119077	0.000108246	9.90424E-05	0.000225804	0.000119336	0.000126933	**3938**	0.000110878
0.00010575	9.69518E-05	0.000217107	0.000114058	0.000127227	0.00010343	9.46807E-05	0.000215174	0.000114058	0.000135993	**3939**	0.000105851
0.000105346	9.66295E-05	0.000215666	0.000113676	0.000139144	0.000103075	9.44088E-05	0.000213761	0.000113676	0.000149234	**3940**	0.000105458
0.000113856	0.000104384	0.000233741	0.000123001	0.000151709	0.000111416	0.000102004	0.000231632	0.000123001	0.000163177	**3941**	0.000113981
0.000125902	0.000115382	0.000259048	0.000135948	0.000159474	0.000123113	0.000112661	0.000256612	0.000135948	0.000171892	**3942**	0.00012605
0.000137403	0.000125539	0.000287561	0.000150378	0.000212285	0.000134912	0.000123185	0.000284691	0.000150378	0.000218087	**3943**	0.00013759

0.000139005	0.000126726	0.000294414	0.000154104	0.000215722	0.000137088	0.000125008	0.000291378	0.000154104	0.000221999	**3944**	0.00013923
0.00014164	0.000129218	0.000298856	0.000156652	0.000218928	0.000139541	0.000127313	0.000295718	0.000156652	0.000225496	**3945**	0.000141891
0.000151487	0.000138117	0.000320703	0.000167605	0.000220941	0.000149246	0.000136085	0.000317342	0.000167605	0.000227695	**3946**	0.000151735
0.00016629	0.000151418	0.000354518	0.000184491	0.000224448	0.000164007	0.000149376	0.000350874	0.000184491	0.000231553	**3947**	0.000166512
0.000184974	0.000168091	0.000398659	0.000206692	0.000218425	0.000183011	0.000166431	0.000394781	0.000206692	0.000226901	**3948**	0.000185134
0.000192528	0.000174869	0.000416033	0.000215556	0.000217687	0.000190654	0.00017332	0.000412049	0.000215556	0.000226097	**3949**	0.000192673
0.000194349	0.000176464	0.000420708	0.000218146	0.000210424	0.000192693	0.00017515	0.000416765	0.000218146	0.000218026	**3950**	0.00019448
0.00019311	0.000175447	0.000416661	0.000216724	0.00020579	0.000191481	0.000174157	0.000412758	0.000216724	0.000210891	**3951**	0.000193268
0.000209399	0.0001901	0.000453667	0.000235416	0.000193962	0.000207779	0.000188856	0.000449475	0.000235416	0.000197804	**3952**	0.000209533
0.000218959	0.000198742	0.000474846	0.000246125	0.000186407	0.000217237	0.000197412	0.000470449	0.000246125	0.000189473	**3953**	0.00021909
0.000213978	0.000194792	0.000456806	0.000237631	0.000182471	0.000211132	0.000192262	0.000452146	0.000237631	0.000185164	**3954**	0.000214251
0.000206484	0.000188871	0.000429402	0.000224325	0.00016526	0.000201712	0.000184288	0.000424265	0.000224325	0.000170227	**3955**	0.000206977
0.000196085	0.000179953	0.000400254	0.00020987	0.000147879	0.000190276	0.00017425	0.000394975	0.00020987	0.000154878	**3956**	0.000196704
0.000188086	0.000173124	0.000377454	0.000197909	0.000134155	0.000181322	0.000166367	0.00037233	0.000197909	0.000141711	**3957**	0.000188706
0.000170385	0.000157291	0.000336109	0.000176564	0.000121682	0.000163383	0.000150217	0.000331545	0.000176564	0.00012974	**3958**	0.000170949
0.000150104	0.000138448	0.000297639	0.000156095	0.000116762	0.000144204	0.000132494	0.000293778	0.000156095	0.000124294	**3959**	0.000150546
0.000135977	0.000125094	0.000273725	0.000143452	0.000112205	0.00013152	0.000120633	0.000270573	0.000143452	0.000119274	**3960**	0.000136276
0.000117651	0.000107945	0.000240495	0.000125754	0.000115988	0.00011452	0.000104846	0.000238087	0.000125754	0.000123489	**3961**	0.000117807
0.000110773	0.000101519	0.000227896	0.000119336	0.000119077	0.000108246	9.90424E-05	0.000225804	0.000119336	0.000126933	**3962**	0.000110878
0.00010575	9.69518E-05	0.000217107	0.000114058	0.000127227	0.00010343	9.46807E-05	0.000215174	0.000114058	0.000135993	**3963**	0.000105851
0.000105346	9.66295E-05	0.000215666	0.000113676	0.000139144	0.000103075	9.44088E-05	0.000213761	0.000113676	0.000149234	**3964**	0.000105458
0.000113856	0.000104384	0.000233741	0.000123001	0.000151709	0.000111416	0.000102004	0.000231632	0.000123001	0.000163177	**3965**	0.000113981
0.000125902	0.000115382	0.000259048	0.000135948	0.000159474	0.000123113	0.000112661	0.000256612	0.000135948	0.000171892	**3966**	0.00012605
0.000137403	0.000125539	0.000287561	0.000150378	0.000212285	0.000134912	0.000123185	0.000284691	0.000150378	0.000218087	**3967**	0.00013759
0.000139005	0.000126726	0.000294414	0.000154104	0.000215722	0.000137088	0.000125008	0.000291378	0.000154104	0.000221999	**3968**	0.00013923
0.00014164	0.000129218	0.000298856	0.000156652	0.000218928	0.000139541	0.000127313	0.000295718	0.000156652	0.000225496	**3969**	0.000141891
0.000151487	0.000138117	0.000320703	0.000167605	0.000220941	0.000149246	0.000136085	0.000317342	0.000167605	0.000227695	**3970**	0.000151735
0.00016629	0.000151418	0.000354518	0.000184491	0.000224448	0.000164007	0.000149376	0.000350874	0.000184491	0.000231553	**3971**	0.000166512
0.000184974	0.000168091	0.000398659	0.000206692	0.000218425	0.000183011	0.000166431	0.000394781	0.000206692	0.000226901	**3972**	0.000185134
0.000192528	0.000174869	0.000416033	0.000215556	0.000217687	0.000190654	0.00017332	0.000412049	0.000215556	0.000226097	**3973**	0.000192673
0.000194349	0.000176464	0.000420708	0.000218146	0.000210424	0.000192693	0.00017515	0.000416765	0.000218146	0.000218026	**3974**	0.00019448
0.00019311	0.000175447	0.000416661	0.000216724	0.00020579	0.000191481	0.000174157	0.000412758	0.000216724	0.000210891	**3975**	0.000193268
0.000209399	0.0001901	0.000453667	0.000235416	0.000193962	0.000207779	0.000188856	0.000449475	0.000235416	0.000197804	**3976**	0.000209533
0.000218959	0.000198742	0.000474846	0.000246125	0.000186407	0.000217237	0.000197412	0.000470449	0.000246125	0.000189473	**3977**	0.00021909
0.000213978	0.000194792	0.000456806	0.000237631	0.000182471	0.000211132	0.000192262	0.000452146	0.000237631	0.000185164	**3978**	0.000214251
0.000206484	0.000188871	0.000429402	0.000224325	0.00016526	0.000201712	0.000184288	0.000424265	0.000224325	0.000170227	**3979**	0.000206977
0.000196085	0.000179953	0.000400254	0.00020987	0.000147879	0.000190276	0.00017425	0.000394975	0.00020987	0.000154878	**3980**	0.000196704
0.000188086	0.000173124	0.000377454	0.000197909	0.000134155	0.000181322	0.000166367	0.00037233	0.000197909	0.000141711	**3981**	0.000188706
0.000170385	0.000157291	0.000336109	0.000176564	0.000121682	0.000163383	0.000150217	0.000331545	0.000176564	0.00012974	**3982**	0.000170949
0.000150104	0.000138448	0.000297639	0.000156095	0.000116762	0.000144204	0.000132494	0.000293778	0.000156095	0.000124294	**3983**	0.000150546
0.000135977	0.000125094	0.000273725	0.000143452	0.000112205	0.00013152	0.000120633	0.000270573	0.000143452	0.000119274	**3984**	0.000136276
0.000117651	0.000107945	0.000240495	0.000125754	0.000115988	0.00011452	0.000104846	0.000238087	0.000125754	0.000123489	**3985**	0.000117807
0.000110773	0.000101519	0.000227896	0.000119336	0.000119077	0.000108246	9.90424E-05	0.000225804	0.000119336	0.000126933	**3986**	0.000110878
0.00010575	9.69518E-05	0.000217107	0.000114058	0.000127227	0.00010343	9.46807E-05	0.000215174	0.000114058	0.000135993	**3987**	0.000105851
0.000105346	9.66295E-05	0.000215666	0.000113676	0.000139144	0.000103075	9.44088E-05	0.000213761	0.000113676	0.000149234	**3988**	0.000105458
0.000113856	0.000104384	0.000233741	0.000123001	0.000151709	0.000111416	0.000102004	0.000231632	0.000123001	0.000163177	**3989**	0.000113981
0.000125902	0.000115382	0.000259048	0.000135948	0.000159474	0.000123113	0.000112661	0.000256612	0.000135948	0.000171892	**3990**	0.00012605
0.000137403	0.000125539	0.000287561	0.000150378	0.000212285	0.000134912	0.000123185	0.000284691	0.000150378	0.000218087	**3991**	0.00013759
0.000139005	0.000126726	0.000294414	0.000154104	0.000215722	0.000137088	0.000125008	0.000291378	0.000154104	0.000221999	**3992**	0.00013923
0.00014164	0.000129218	0.000298856	0.000156652	0.000218928	0.000139541	0.000127313	0.000295718	0.000156652	0.000225496	**3993**	0.000141891
0.000151487	0.000138117	0.000320703	0.000167605	0.000220941	0.000149246	0.000136085	0.000317342	0.000167605	0.000227695	**3994**	0.000151735
0.00016629	0.000151418	0.000354518	0.000184491	0.000224448	0.000164007	0.000149376	0.000350874	0.000184491	0.000231553	**3995**	0.000166512
0.000184974	0.000168091	0.000398659	0.000206692	0.000218425	0.000183011	0.000166431	0.000394781	0.000206692	0.000226901	**3996**	0.000185134
0.000192528	0.000174869	0.000416033	0.000215556	0.000217687	0.000190654	0.00017332	0.000412049	0.000215556	0.000226097	**3997**	0.000192673
0.000194349	0.000176464	0.000420708	0.000218146	0.000210424	0.000192693	0.00017515	0.000416765	0.000218146	0.000218026	**3998**	0.00019448
0.00019311	0.000175447	0.000416661	0.000216724	0.00020579	0.000191481	0.000174157	0.000412758	0.000216724	0.000210891	**3999**	0.000193268
0.000209399	0.0001901	0.000453667	0.000235416	0.000193962	0.000207779	0.000188856	0.000449475	0.000235416	0.000197804	**4000**	0.000209533
0.000218959	0.000198742	0.000474846	0.000246125	0.000186407	0.000217237	0.000197412	0.000470449	0.000246125	0.000189473	**4001**	0.00021909
0.000213978	0.000194792	0.000456806	0.000237631	0.000182471	0.000211132	0.000192262	0.000452146	0.000237631	0.000185164	**4002**	0.000214251
0.000206484	0.000188871	0.000429402	0.000224325	0.00016526	0.000201712	0.000184288	0.000424265	0.000224325	0.000170227	**4003**	0.000206977
0.000196085	0.000179953	0.000400254	0.00020987	0.000147879	0.000190276	0.00017425	0.000394975	0.00020987	0.000154878	**4004**	0.000196704
0.000188086	0.000173124	0.000377454	0.000197909	0.000134155	0.000181322	0.000166367	0.00037233	0.000197909	0.000141711	**4005**	0.000188706
0.000170385	0.000157291	0.000336109	0.000176564	0.000121682	0.000163383	0.000150217	0.000331545	0.000176564	0.00012974	**4006**	0.000170949
0.000150104	0.000138448	0.000297639	0.000156095	0.000116762	0.000144204	0.000132494	0.000293778	0.000156095	0.000124294	**4007**	0.000150546
0.000135977	0.000125094	0.000273725	0.000143452	0.000112205	0.00013152	0.000120633	0.000270573	0.000143452	0.000119274	**4008**	0.000136276
0.000117651	0.000107945	0.000240495	0.000125754	0.000115988	0.00011452	0.000104846	0.000238087	0.000125754	0.000123489	**4009**	0.000117807
0.000110773	0.000101519	0.000227896	0.000119336	0.000119077	0.000108246	9.90424E-05	0.000225804	0.000119336	0.000126933	**4010**	0.000110878
0.00010575	9.69518E-05	0.000217107	0.000114058	0.000127227	0.00010343	9.46807E-05	0.000215174	0.000114058	0.000135993	**4011**	0.000105851
0.000105346	9.66295E-05	0.000215666	0.000113676	0.000139144	0.000103075	9.44088E-05	0.000213761	0.000113676	0.000149234	**4012**	0.000105458
0.000113856	0.000104384	0.000233741	0.000123001	0.000151709	0.000111416	0.000102004	0.000231632	0.000123001	0.000163177	**4013**	0.000113981
0.000125902	0.000115382	0.000259048	0.000135948	0.000159474	0.000123113	0.000112661	0.000256612	0.000135948	0.000171892	**4014**	0.00012605
0.000137403	0.000125539	0.000287561	0.000150378	0.000212285	0.000134912	0.000123185	0.000284691	0.000150378	0.000218087	**4015**	0.00013759
0.000139005	0.000126726	0.000294414	0.000154104	0.000215722	0.000137088	0.000125008	0.000291378	0.000154104	0.000221999	**4016**	0.00013923
0.00014164	0.000129218	0.000298856	0.000156652	0.000218928	0.000139541	0.000127313	0.000295718	0.000156652	0.000225496	**4017**	0.000141891
0.000151487	0.000138117	0.000320703	0.000167605	0.000220941	0.000149246	0.000136085	0.000317342	0.000167605	0.000227695	**4018**	0.000151735
0.00016629	0.000151418	0.000354518	0.000184491	0.000224448	0.000164007	0.000149376	0.000350874	0.000184491	0.000231553	**4019**	0.000166512

0.000184974	0.000168091	0.000398659	0.000206692	0.000218425	0.000183011	0.000166431	0.000394781	0.000206692	0.000226901	**4020**	0.000185134
0.000192528	0.000174869	0.000416033	0.000215556	0.000217687	0.000190654	0.00017332	0.000412049	0.000215556	0.000226097	**4021**	0.000192673
0.000194349	0.000176464	0.000420708	0.000218146	0.000210424	0.000192693	0.00017515	0.000416765	0.000218146	0.000218026	**4022**	0.00019448
0.00019311	0.000175447	0.000416661	0.000216724	0.00020579	0.000191481	0.000174157	0.000412758	0.000216724	0.000210891	**4023**	0.000193268
0.000209399	0.0001901	0.000453667	0.000235416	0.000193962	0.000207779	0.000188856	0.000449475	0.000235416	0.000197804	**4024**	0.000209533
0.000218959	0.000198742	0.000474846	0.000246125	0.000186407	0.000217237	0.000197412	0.000470449	0.000246125	0.000189473	**4025**	0.00021909
0.000213978	0.000194792	0.000456806	0.000237631	0.000182471	0.000211132	0.000192262	0.000452146	0.000237631	0.000185164	**4026**	0.000214251
0.000206484	0.000188871	0.000429402	0.000224325	0.00016526	0.000201712	0.000184288	0.000424265	0.000224325	0.000170227	**4027**	0.000206977
0.000196085	0.000179953	0.000400254	0.00020987	0.000147879	0.000190276	0.00017425	0.000394975	0.00020987	0.000154878	**4028**	0.000196704
0.000188086	0.000173124	0.000377454	0.000197909	0.000134155	0.000181322	0.000166367	0.00037233	0.000197909	0.000141711	**4029**	0.000188706
0.000170385	0.000157291	0.000336109	0.000176564	0.000121682	0.000163383	0.000150217	0.000331545	0.000176564	0.00012974	**4030**	0.000170949
0.000150104	0.000138448	0.000297639	0.000156095	0.000116762	0.000144204	0.000132494	0.000293778	0.000156095	0.000124294	**4031**	0.000150546
0.000135977	0.000125094	0.000273725	0.000143452	0.000112205	0.00013152	0.000120633	0.000270573	0.000143452	0.000119274	**4032**	0.000136276
0.000117651	0.000107945	0.000240495	0.000125754	0.000115988	0.00011452	0.000104846	0.000238087	0.000125754	0.000123489	**4033**	0.000117807
0.000110773	0.000101519	0.000227896	0.000119336	0.000119077	0.000108246	9.90424E-05	0.000225804	0.000119336	0.000126933	**4034**	0.000110878
0.00010575	9.69518E-05	0.000217107	0.000114058	0.000127227	0.00010343	9.46807E-05	0.000215174	0.000114058	0.000135993	**4035**	0.000105851
0.000105346	9.66295E-05	0.000215666	0.000113676	0.000139144	0.000103075	9.44088E-05	0.000213761	0.000113676	0.000149234	**4036**	0.000105458
0.000113856	0.000104384	0.000233741	0.000123001	0.000151709	0.000111416	0.000102004	0.000231632	0.000123001	0.000163177	**4037**	0.000113981
0.000125902	0.000115382	0.000259048	0.000135948	0.000159474	0.000123113	0.000112661	0.000256612	0.000135948	0.000171892	**4038**	0.00012605
0.000137403	0.000125539	0.000287561	0.000150378	0.000212285	0.000134912	0.000123185	0.000284691	0.000150378	0.000218087	**4039**	0.00013759
0.000139005	0.000126726	0.000294414	0.000154104	0.000215722	0.000137088	0.000125008	0.000291378	0.000154104	0.000221999	**4040**	0.00013923
0.00014164	0.000129218	0.000298856	0.000156652	0.000218928	0.000139541	0.000127313	0.000295718	0.000156652	0.000225496	**4041**	0.000141891
0.000151487	0.000138117	0.000320703	0.000167605	0.000220941	0.000149246	0.000136085	0.000317342	0.000167605	0.000227695	**4042**	0.000151735
0.00016629	0.000151418	0.000354518	0.000184491	0.000224448	0.000164007	0.000149376	0.000350874	0.000184491	0.000231553	**4043**	0.000166512
0.000184974	0.000168091	0.000398659	0.000206692	0.000218425	0.000183011	0.000166431	0.000394781	0.000206692	0.000226901	**4044**	0.000185134
0.000192528	0.000174869	0.000416033	0.000215556	0.000217687	0.000190654	0.00017332	0.000412049	0.000215556	0.000226097	**4045**	0.000192673
0.000194349	0.000176464	0.000420708	0.000218146	0.000210424	0.000192693	0.00017515	0.000416765	0.000218146	0.000218026	**4046**	0.00019448
0.00019311	0.000175447	0.000416661	0.000216724	0.00020579	0.000191481	0.000174157	0.000412758	0.000216724	0.000210891	**4047**	0.000193268
0.000209399	0.0001901	0.000453667	0.000235416	0.000193962	0.000207779	0.000188856	0.000449475	0.000235416	0.000197804	**4048**	0.000209533
0.000218959	0.000198742	0.000474846	0.000246125	0.000186407	0.000217237	0.000197412	0.000470449	0.000246125	0.000189473	**4049**	0.00021909
0.000213978	0.000194792	0.000456806	0.000237631	0.000182471	0.000211132	0.000192262	0.000452146	0.000237631	0.000185164	**4050**	0.000214251
0.000206484	0.000188871	0.000429402	0.000224325	0.00016526	0.000201712	0.000184288	0.000424265	0.000224325	0.000170227	**4051**	0.000206977
0.000196085	0.000179953	0.000400254	0.00020987	0.000147879	0.000190276	0.00017425	0.000394975	0.00020987	0.000154878	**4052**	0.000196704
0.000188086	0.000173124	0.000377454	0.000197909	0.000134155	0.000181322	0.000166367	0.00037233	0.000197909	0.000141711	**4053**	0.000188706
0.000170385	0.000157291	0.000336109	0.000176564	0.000121682	0.000163383	0.000150217	0.000331545	0.000176564	0.00012974	**4054**	0.000170949
0.000150104	0.000138448	0.000297639	0.000156095	0.000116762	0.000144204	0.000132494	0.000293778	0.000156095	0.000124294	**4055**	0.000150546
0.000135977	0.000125094	0.000273725	0.000143452	0.000112205	0.00013152	0.000120633	0.000270573	0.000143452	0.000119274	**4056**	0.000136276
0.000117872	0.000108137	0.000241078	0.000126019	0.000115963	0.000114745	0.000105043	0.000238666	0.000126019	0.00012346	**4057**	0.000118026
0.00011087	0.000101602	0.000228172	0.000119455	0.000118994	0.000108346	9.91279E-05	0.000226079	0.000119455	0.000126839	**4058**	0.000110974
0.000105821	9.70133E-05	0.000217301	0.000114144	0.000127071	0.000103502	9.47438E-05	0.000215367	0.000114144	0.000135816	**4059**	0.000105921
0.000105307	9.65917E-05	0.000215609	0.000113634	0.000139032	0.000103036	9.43713E-05	0.000213705	0.000113634	0.000149109	**4060**	0.000105418
0.000113714	0.000104254	0.000233446	0.000122838	0.00015151	0.000111273	0.000101873	0.000231339	0.000122838	0.000162952	**4061**	0.000113838
0.000125468	0.000114996	0.000258001	0.000135437	0.000159235	0.000122674	0.00011227	0.000255572	0.000135437	0.000171618	**4062**	0.000125618
0.000138743	0.000127	0.000287374	0.000150396	0.00021213	0.000135752	0.000124106	0.000284502	0.000150396	0.000217903	**4063**	0.000138935
0.000138889	0.000126623	0.000294131	0.000153967	0.000215577	0.00013697	0.000124903	0.000291097	0.000153967	0.000221823	**4064**	0.000139114
0.000141717	0.000129284	0.000299079	0.000156746	0.000218846	0.00013962	0.000127381	0.00029594	0.000156746	0.000225391	**4065**	0.000141967
0.000152532	0.000139049	0.000323183	0.000168832	0.000220956	0.000150302	0.000137031	0.000319806	0.000168832	0.000227696	**4066**	0.000152776
0.000168001	0.000152949	0.000358507	0.000186493	0.000224689	0.000165734	0.000150929	0.000354838	0.000186493	0.000231806	**4067**	0.000168218
0.000186882	0.000169806	0.000403002	0.000208915	0.000218672	0.000184935	0.000168168	0.000399096	0.000208915	0.000227159	**4068**	0.000187039
0.000194302	0.000176467	0.000420036	0.000217619	0.000217856	0.000192442	0.000174937	0.000416026	0.000217619	0.000226269	**4069**	0.000194445
0.000197507	0.000179302	0.000427921	0.000221828	0.000210513	0.000195878	0.000178023	0.000423931	0.000221828	0.000218109	**4070**	0.000197633
0.000196244	0.000178265	0.000423789	0.000220374	0.000205798	0.000194642	0.00017701	0.000419839	0.000220374	0.000210883	**4071**	0.000196397
0.000212835	0.000193192	0.000461457	0.000239415	0.000194253	0.000211243	0.000191986	0.000457213	0.000239415	0.000198112	**4072**	0.000212964
0.000223163	0.000202516	0.000484484	0.000251029	0.000186709	0.000221478	0.000201236	0.000480024	0.000251029	0.000189792	**4073**	0.000223286
0.000217955	0.000198362	0.000465933	0.000242271	0.000182877	0.000215144	0.000195879	0.000461214	0.000242271	0.000185602	**4074**	0.00021822
0.000209956	0.000191986	0.000437404	0.00022838	0.000165614	0.000205216	0.000187444	0.000432215	0.00022838	0.000170609	**4075**	0.000210442
0.000199032	0.000182597	0.000407041	0.000213311	0.000148204	0.00019325	0.000176928	0.000401717	0.000213311	0.000155227	**4076**	0.000199645
0.000189213	0.000173877	0.000383307	0.00020077	0.000134345	0.00018297	0.000167689	0.000378147	0.00020077	0.000141914	**4077**	0.000189823
0.000172286	0.000158993	0.000340522	0.000178787	0.000121883	0.000165302	0.000151943	0.000335929	0.000178787	0.000129953	**4078**	0.000172845
0.000151914	0.000140065	0.000301894	0.000158217	0.000116895	0.000146033	0.000134134	0.000298006	0.000158217	0.000124431	**4079**	0.00015235
0.000137427	0.000126401	0.000276972	0.000145135	0.000112419	0.00013298	0.000121955	0.000273799	0.000145135	0.000119502	**4080**	0.000137723
0.000117872	0.000108137	0.000241078	0.000126019	0.000115963	0.000114745	0.000105043	0.000238666	0.000126019	0.00012346	**4081**	0.000118026
0.00011087	0.000101602	0.000228172	0.000119455	0.000118994	0.000108346	9.91279E-05	0.000226079	0.000119455	0.000126839	**4082**	0.000110974
0.000105821	9.70133E-05	0.000217301	0.000114144	0.000127071	0.000103502	9.47438E-05	0.000215367	0.000114144	0.000135816	**4083**	0.000105921
0.000105307	9.65917E-05	0.000215609	0.000113634	0.000139032	0.000103036	9.43713E-05	0.000213705	0.000113634	0.000149109	**4084**	0.000105418
0.000113714	0.000104254	0.000233446	0.000122838	0.00015151	0.000111273	0.000101873	0.000231339	0.000122838	0.000162952	**4085**	0.000113838
0.000125468	0.000114996	0.000258001	0.000135437	0.000159235	0.000122674	0.00011227	0.000255572	0.000135437	0.000171618	**4086**	0.000125618
0.000138743	0.000127	0.000287374	0.000150396	0.00021213	0.000135752	0.000124106	0.000284502	0.000150396	0.000217903	**4087**	0.000138935
0.000138889	0.000126623	0.000294131	0.000153967	0.000215577	0.00013697	0.000124903	0.000291097	0.000153967	0.000221823	**4088**	0.000139114
0.000141717	0.000129284	0.000299079	0.000156746	0.000218846	0.00013962	0.000127381	0.00029594	0.000156746	0.000225391	**4089**	0.000141967
0.000152532	0.000139049	0.000323183	0.000168832	0.000220956	0.000150302	0.000137031	0.000319806	0.000168832	0.000227696	**4090**	0.000152776
0.000168001	0.000152949	0.000358507	0.000186493	0.000224689	0.000165734	0.000150929	0.000354838	0.000186493	0.000231806	**4091**	0.000168218
0.000186882	0.000169806	0.000403002	0.000208915	0.000218672	0.000184935	0.000168168	0.000399096	0.000208915	0.000227159	**4092**	0.000187039
0.000194302	0.000176467	0.000420036	0.000217619	0.000217856	0.000192442	0.000174937	0.000416026	0.000217619	0.000226269	**4093**	0.000194445
0.000197507	0.000179302	0.000427921	0.000221828	0.000210513	0.000195878	0.000178023	0.000423931	0.000221828	0.000218109	**4094**	0.000197633
0.000196244	0.000178265	0.000423789	0.000220374	0.000205798	0.000194642	0.00017701	0.000419839	0.000220374	0.000210883	**4095**	0.000196397

0.000212835	0.000193192	0.000461457	0.000239415	0.000194253	0.000211243	0.000191986	0.000457213	0.000239415	0.000198112	**4096**	0.000212964
0.000223163	0.000202516	0.000484484	0.000251029	0.000186709	0.000221478	0.000201236	0.000480024	0.000251029	0.000189792	**4097**	0.000223286
0.000217955	0.000198362	0.000465933	0.000242271	0.000182877	0.000215144	0.000195879	0.000461214	0.000242271	0.000185602	**4098**	0.00021822
0.000209956	0.000191986	0.000437404	0.00022838	0.000165614	0.000205216	0.000187444	0.000432215	0.00022838	0.000170609	**4099**	0.000210442
0.000199032	0.000182597	0.000407041	0.000213311	0.000148204	0.00019325	0.000176928	0.000401717	0.000213311	0.000155227	**4100**	0.000199645
0.000189213	0.000173877	0.000383307	0.00020077	0.000134345	0.00018297	0.000167689	0.000378147	0.00020077	0.000141914	**4101**	0.000189823
0.000172286	0.000158993	0.000340522	0.000178787	0.000121883	0.000165302	0.000151943	0.000335929	0.000178787	0.000129953	**4102**	0.000172845
0.000151914	0.000140065	0.000301894	0.000158217	0.000116895	0.000146033	0.000134134	0.000298006	0.000158217	0.000124431	**4103**	0.00015235
0.000137427	0.000126401	0.000276972	0.000145135	0.000112419	0.00013298	0.000121955	0.000273799	0.000145135	0.000119502	**4104**	0.000137723
0.000117651	0.000107945	0.000240495	0.000125754	0.000115988	0.00011452	0.000104846	0.000238087	0.000125754	0.000123489	**4105**	0.000117807
0.000110773	0.000101519	0.000227896	0.000119336	0.000119077	0.000108246	9.90424E-05	0.000225804	0.000119336	0.000126933	**4106**	0.000110878
0.00010575	9.69518E-05	0.000217107	0.000114058	0.000127227	0.00010343	9.46807E-05	0.000215174	0.000114058	0.000135993	**4107**	0.000105851
0.000105346	9.66295E-05	0.000215666	0.000113676	0.000139144	0.000103075	9.44088E-05	0.000213761	0.000113676	0.000149234	**4108**	0.000105458
0.000113856	0.000104384	0.000233741	0.000123001	0.000151709	0.000111416	0.000102004	0.000231632	0.000123001	0.000163177	**4109**	0.000113981
0.000125902	0.000115382	0.000259048	0.000135948	0.000159474	0.000123113	0.000112661	0.000256612	0.000135948	0.000171892	**4110**	0.00012605
0.000137403	0.000125539	0.000287561	0.000150378	0.000212285	0.000134912	0.000123185	0.000284691	0.000150378	0.000218087	**4111**	0.00013759
0.000139005	0.000126726	0.000294414	0.000154104	0.000215722	0.000137088	0.000125008	0.000291378	0.000154104	0.000221999	**4112**	0.00013923
0.00014164	0.000129218	0.000298856	0.000156652	0.000218928	0.000139541	0.000127313	0.000295718	0.000156652	0.000225496	**4113**	0.000141891
0.000151487	0.000138117	0.000320703	0.000167605	0.000220941	0.000149246	0.000136085	0.000317342	0.000167605	0.000227695	**4114**	0.000151735
0.00016629	0.000151418	0.000354518	0.000184491	0.000224448	0.000164007	0.000149376	0.000350874	0.000184491	0.000231553	**4115**	0.000166512
0.000184974	0.000168091	0.000398659	0.000206692	0.000218425	0.000183011	0.000166431	0.000394781	0.000206692	0.000226901	**4116**	0.000185134
0.000192528	0.000174869	0.000416033	0.000215556	0.000217687	0.000190654	0.00017332	0.000412049	0.000215556	0.000226097	**4117**	0.000192673
0.000194349	0.000176464	0.000420708	0.000218146	0.000210424	0.000192693	0.00017515	0.000416765	0.000218146	0.000218026	**4118**	0.00019448
0.00019311	0.000175447	0.000416661	0.000216724	0.00020579	0.000191481	0.000174157	0.000412758	0.000216724	0.000210891	**4119**	0.000193268
0.000209399	0.0001901	0.000453667	0.000235416	0.000193962	0.000207779	0.000188856	0.000449475	0.000235416	0.000197804	**4120**	0.000209533
0.000218959	0.000198742	0.000474846	0.000246125	0.000186407	0.000217237	0.000197412	0.000470449	0.000246125	0.000189473	**4121**	0.00021909
0.000213978	0.000194792	0.000456806	0.000237631	0.000182471	0.000211132	0.000192262	0.000452146	0.000237631	0.000185164	**4122**	0.000214251
0.000206484	0.000188871	0.000429402	0.000224325	0.00016526	0.000201712	0.000184288	0.000424265	0.000224325	0.000170227	**4123**	0.000206977
0.000196085	0.000179953	0.000400254	0.00020987	0.000147879	0.000190276	0.00017425	0.000394975	0.00020987	0.000154878	**4124**	0.000196704
0.000188086	0.000173124	0.000377454	0.000197909	0.000134155	0.000181322	0.000166367	0.00037233	0.000197909	0.000141711	**4125**	0.000188706
0.000170385	0.000157291	0.000336109	0.000176564	0.000121682	0.000163383	0.000150217	0.000331545	0.000176564	0.00012974	**4126**	0.000170949
0.000150104	0.000138448	0.000297639	0.000156095	0.000116762	0.000144204	0.000132494	0.000293778	0.000156095	0.000124294	**4127**	0.000150546
0.000135977	0.000125094	0.000273725	0.000143452	0.000112205	0.00013152	0.000120633	0.000270573	0.000143452	0.000119274	**4128**	0.000136276
0.000117651	0.000107945	0.000240495	0.000125754	0.000115988	0.00011452	0.000104846	0.000238087	0.000125754	0.000123489	**4129**	0.000117807
0.000110773	0.000101519	0.000227896	0.000119336	0.000119077	0.000108246	9.90424E-05	0.000225804	0.000119336	0.000126933	**4130**	0.000110878
0.00010575	9.69518E-05	0.000217107	0.000114058	0.000127227	0.00010343	9.46807E-05	0.000215174	0.000114058	0.000135993	**4131**	0.000105851
0.000105346	9.66295E-05	0.000215666	0.000113676	0.000139144	0.000103075	9.44088E-05	0.000213761	0.000113676	0.000149234	**4132**	0.000105458
0.000113856	0.000104384	0.000233741	0.000123001	0.000151709	0.000111416	0.000102004	0.000231632	0.000123001	0.000163177	**4133**	0.000113981
0.000125902	0.000115382	0.000259048	0.000135948	0.000159474	0.000123113	0.000112661	0.000256612	0.000135948	0.000171892	**4134**	0.00012605
0.000137403	0.000125539	0.000287561	0.000150378	0.000212285	0.000134912	0.000123185	0.000284691	0.000150378	0.000218087	**4135**	0.00013759
0.000139005	0.000126726	0.000294414	0.000154104	0.000215722	0.000137088	0.000125008	0.000291378	0.000154104	0.000221999	**4136**	0.00013923
0.00014164	0.000129218	0.000298856	0.000156652	0.000218928	0.000139541	0.000127313	0.000295718	0.000156652	0.000225496	**4137**	0.000141891
0.000151487	0.000138117	0.000320703	0.000167605	0.000220941	0.000149246	0.000136085	0.000317342	0.000167605	0.000227695	**4138**	0.000151735
0.00016629	0.000151418	0.000354518	0.000184491	0.000224448	0.000164007	0.000149376	0.000350874	0.000184491	0.000231553	**4139**	0.000166512
0.000184974	0.000168091	0.000398659	0.000206692	0.000218425	0.000183011	0.000166431	0.000394781	0.000206692	0.000226901	**4140**	0.000185134
0.000192528	0.000174869	0.000416033	0.000215556	0.000217687	0.000190654	0.00017332	0.000412049	0.000215556	0.000226097	**4141**	0.000192673
0.000194349	0.000176464	0.000420708	0.000218146	0.000210424	0.000192693	0.00017515	0.000416765	0.000218146	0.000218026	**4142**	0.00019448
0.00019311	0.000175447	0.000416661	0.000216724	0.00020579	0.000191481	0.000174157	0.000412758	0.000216724	0.000210891	**4143**	0.000193268
0.000209399	0.0001901	0.000453667	0.000235416	0.000193962	0.000207779	0.000188856	0.000449475	0.000235416	0.000197804	**4144**	0.000209533
0.000218959	0.000198742	0.000474846	0.000246125	0.000186407	0.000217237	0.000197412	0.000470449	0.000246125	0.000189473	**4145**	0.00021909
0.000213978	0.000194792	0.000456806	0.000237631	0.000182471	0.000211132	0.000192262	0.000452146	0.000237631	0.000185164	**4146**	0.000214251
0.000206484	0.000188871	0.000429402	0.000224325	0.00016526	0.000201712	0.000184288	0.000424265	0.000224325	0.000170227	**4147**	0.000206977
0.000196085	0.000179953	0.000400254	0.00020987	0.000147879	0.000190276	0.00017425	0.000394975	0.00020987	0.000154878	**4148**	0.000196704
0.000188086	0.000173124	0.000377454	0.000197909	0.000134155	0.000181322	0.000166367	0.00037233	0.000197909	0.000141711	**4149**	0.000188706
0.000170385	0.000157291	0.000336109	0.000176564	0.000121682	0.000163383	0.000150217	0.000331545	0.000176564	0.00012974	**4150**	0.000170949
0.000150104	0.000138448	0.000297639	0.000156095	0.000116762	0.000144204	0.000132494	0.000293778	0.000156095	0.000124294	**4151**	0.000150546
0.000135977	0.000125094	0.000273725	0.000143452	0.000112205	0.00013152	0.000120633	0.000270573	0.000143452	0.000119274	**4152**	0.000136276
0.000117651	0.000107945	0.000240495	0.000125754	0.000115988	0.00011452	0.000104846	0.000238087	0.000125754	0.000123489	**4153**	0.000117807
0.000110773	0.000101519	0.000227896	0.000119336	0.000119077	0.000108246	9.90424E-05	0.000225804	0.000119336	0.000126933	**4154**	0.000110878
0.00010575	9.69518E-05	0.000217107	0.000114058	0.000127227	0.00010343	9.46807E-05	0.000215174	0.000114058	0.000135993	**4155**	0.000105851
0.000105346	9.66295E-05	0.000215666	0.000113676	0.000139144	0.000103075	9.44088E-05	0.000213761	0.000113676	0.000149234	**4156**	0.000105458
0.000113856	0.000104384	0.000233741	0.000123001	0.000151709	0.000111416	0.000102004	0.000231632	0.000123001	0.000163177	**4157**	0.000113981
0.000125902	0.000115382	0.000259048	0.000135948	0.000159474	0.000123113	0.000112661	0.000256612	0.000135948	0.000171892	**4158**	0.00012605
0.000137403	0.000125539	0.000287561	0.000150378	0.000212285	0.000134912	0.000123185	0.000284691	0.000150378	0.000218087	**4159**	0.00013759
0.000139005	0.000126726	0.000294414	0.000154104	0.000215722	0.000137088	0.000125008	0.000291378	0.000154104	0.000221999	**4160**	0.00013923
0.00014164	0.000129218	0.000298856	0.000156652	0.000218928	0.000139541	0.000127313	0.000295718	0.000156652	0.000225496	**4161**	0.000141891
0.000151487	0.000138117	0.000320703	0.000167605	0.000220941	0.000149246	0.000136085	0.000317342	0.000167605	0.000227695	**4162**	0.000151735
0.00016629	0.000151418	0.000354518	0.000184491	0.000224448	0.000164007	0.000149376	0.000350874	0.000184491	0.000231553	**4163**	0.000166512
0.000184974	0.000168091	0.000398659	0.000206692	0.000218425	0.000183011	0.000166431	0.000394781	0.000206692	0.000226901	**4164**	0.000185134
0.000192528	0.000174869	0.000416033	0.000215556	0.000217687	0.000190654	0.00017332	0.000412049	0.000215556	0.000226097	**4165**	0.000192673
0.000194349	0.000176464	0.000420708	0.000218146	0.000210424	0.000192693	0.00017515	0.000416765	0.000218146	0.000218026	**4166**	0.00019448
0.00019311	0.000175447	0.000416661	0.000216724	0.00020579	0.000191481	0.000174157	0.000412758	0.000216724	0.000210891	**4167**	0.000193268
0.000209399	0.0001901	0.000453667	0.000235416	0.000193962	0.000207779	0.000188856	0.000449475	0.000235416	0.000197804	**4168**	0.000209533
0.000218959	0.000198742	0.000474846	0.000246125	0.000186407	0.000217237	0.000197412	0.000470449	0.000246125	0.000189473	**4169**	0.00021909
0.000213978	0.000194792	0.000456806	0.000237631	0.000182471	0.000211132	0.000192262	0.000452146	0.000237631	0.000185164	**4170**	0.000214251
0.000206484	0.000188871	0.000429402	0.000224325	0.00016526	0.000201712	0.000184288	0.000424265	0.000224325	0.000170227	**4171**	0.000206977

0.000196085	0.000179953	0.000400254	0.00020987	0.000147879	0.000190276	0.00017425	0.000394975	0.00020987	0.000154878	**4172**	0.000196704
0.000188086	0.000173124	0.000377454	0.000197909	0.000134155	0.000181322	0.000166367	0.00037233	0.000197909	0.000141711	**4173**	0.000188706
0.000170385	0.000157291	0.000336109	0.000176564	0.000121682	0.000163383	0.000150217	0.000331545	0.000176564	0.00012974	**4174**	0.000170949
0.000150104	0.000138448	0.000297639	0.000156095	0.000116762	0.000144204	0.000132494	0.000293778	0.000156095	0.000124294	**4175**	0.000150546
0.000135977	0.000125094	0.000273725	0.000143452	0.000112205	0.00013152	0.000120633	0.000270573	0.000143452	0.000119274	**4176**	0.000136276
0.000117651	0.000107945	0.000240495	0.000125754	0.000115988	0.00011452	0.000104846	0.000238087	0.000125754	0.000123489	**4177**	0.000117807
0.000110773	0.000101519	0.000227896	0.000119336	0.000119077	0.000108246	9.90424E-05	0.000225804	0.000119336	0.000126933	**4178**	0.000110878
0.00010575	9.69518E-05	0.000217107	0.000114058	0.000127227	0.00010343	9.46807E-05	0.000215174	0.000114058	0.000135993	**4179**	0.000105851
0.000105346	9.66295E-05	0.000215666	0.000113676	0.000139144	0.000103075	9.44088E-05	0.000213761	0.000113676	0.000149234	**4180**	0.000105458
0.000113856	0.000104384	0.000233741	0.000123001	0.000151709	0.000111416	0.000102004	0.000231632	0.000123001	0.000163177	**4181**	0.000113981
0.000125902	0.000115382	0.000259048	0.000135948	0.000159474	0.000123113	0.000112661	0.000256612	0.000135948	0.000171892	**4182**	0.00012605
0.000137403	0.000125539	0.000287561	0.000150378	0.000212285	0.000134912	0.000123185	0.000284691	0.000150378	0.000218087	**4183**	0.00013759
0.000139005	0.000126726	0.000294414	0.000154104	0.000215722	0.000137088	0.000125008	0.000291378	0.000154104	0.000221999	**4184**	0.00013923
0.00014164	0.000129218	0.000298856	0.000156652	0.000218928	0.000139541	0.000127313	0.000295718	0.000156652	0.000225496	**4185**	0.000141891
0.000151487	0.000138117	0.000320703	0.000167605	0.000220941	0.000149246	0.000136085	0.000317342	0.000167605	0.000227695	**4186**	0.000151735
0.00016629	0.000151418	0.000354518	0.000184491	0.000224448	0.000164007	0.000149376	0.000350874	0.000184491	0.000231553	**4187**	0.000166512
0.000184974	0.000168091	0.000398659	0.000206692	0.000218425	0.000183011	0.000166431	0.000394781	0.000206692	0.000226901	**4188**	0.000185134
0.000192528	0.000174869	0.000416033	0.000215556	0.000217687	0.000190654	0.00017332	0.000412049	0.000215556	0.000226097	**4189**	0.000192673
0.000194349	0.000176464	0.000420708	0.000218146	0.000210424	0.000192693	0.00017515	0.000416765	0.000218146	0.000218026	**4190**	0.00019448
0.00019311	0.000175447	0.000416661	0.000216724	0.00020579	0.000191481	0.000174157	0.000412758	0.000216724	0.000210891	**4191**	0.000193268
0.000209399	0.0001901	0.000453667	0.000235416	0.000193962	0.000207779	0.000188856	0.000449475	0.000235416	0.000197804	**4192**	0.000209533
0.000218959	0.000198742	0.000474846	0.000246125	0.000186407	0.000217237	0.000197412	0.000470449	0.000246125	0.000189473	**4193**	0.00021909
0.000213978	0.000194792	0.000456806	0.000237631	0.000182471	0.000211132	0.000192262	0.000452146	0.000237631	0.000185164	**4194**	0.000214251
0.000206484	0.000188871	0.000429402	0.000224325	0.00016526	0.000201712	0.000184288	0.000424265	0.000224325	0.000170227	**4195**	0.000206977
0.000196085	0.000179953	0.000400254	0.00020987	0.000147879	0.000190276	0.00017425	0.000394975	0.00020987	0.000154878	**4196**	0.000196704
0.000188086	0.000173124	0.000377454	0.000197909	0.000134155	0.000181322	0.000166367	0.00037233	0.000197909	0.000141711	**4197**	0.000188706
0.000170385	0.000157291	0.000336109	0.000176564	0.000121682	0.000163383	0.000150217	0.000331545	0.000176564	0.00012974	**4198**	0.000170949
0.000150104	0.000138448	0.000297639	0.000156095	0.000116762	0.000144204	0.000132494	0.000293778	0.000156095	0.000124294	**4199**	0.000150546
0.000135977	0.000125094	0.000273725	0.000143452	0.000112205	0.00013152	0.000120633	0.000270573	0.000143452	0.000119274	**4200**	0.000136276
0.000117651	0.000107945	0.000240495	0.000125754	0.000115988	0.00011452	0.000104846	0.000238087	0.000125754	0.000123489	**4201**	0.000117807
0.000110773	0.000101519	0.000227896	0.000119336	0.000119077	0.000108246	9.90424E-05	0.000225804	0.000119336	0.000126933	**4202**	0.000110878
0.00010575	9.69518E-05	0.000217107	0.000114058	0.000127227	0.00010343	9.46807E-05	0.000215174	0.000114058	0.000135993	**4203**	0.000105851
0.000105346	9.66295E-05	0.000215666	0.000113676	0.000139144	0.000103075	9.44088E-05	0.000213761	0.000113676	0.000149234	**4204**	0.000105458
0.000113856	0.000104384	0.000233741	0.000123001	0.000151709	0.000111416	0.000102004	0.000231632	0.000123001	0.000163177	**4205**	0.000113981
0.000125902	0.000115382	0.000259048	0.000135948	0.000159474	0.000123113	0.000112661	0.000256612	0.000135948	0.000171892	**4206**	0.00012605
0.000137403	0.000125539	0.000287561	0.000150378	0.000212285	0.000134912	0.000123185	0.000284691	0.000150378	0.000218087	**4207**	0.00013759
0.000139005	0.000126726	0.000294414	0.000154104	0.000215722	0.000137088	0.000125008	0.000291378	0.000154104	0.000221999	**4208**	0.00013923
0.00014164	0.000129218	0.000298856	0.000156652	0.000218928	0.000139541	0.000127313	0.000295718	0.000156652	0.000225496	**4209**	0.000141891
0.000151487	0.000138117	0.000320703	0.000167605	0.000220941	0.000149246	0.000136085	0.000317342	0.000167605	0.000227695	**4210**	0.000151735
0.00016629	0.000151418	0.000354518	0.000184491	0.000224448	0.000164007	0.000149376	0.000350874	0.000184491	0.000231553	**4211**	0.000166512
0.000184974	0.000168091	0.000398659	0.000206692	0.000218425	0.000183011	0.000166431	0.000394781	0.000206692	0.000226901	**4212**	0.000185134
0.000192528	0.000174869	0.000416033	0.000215556	0.000217687	0.000190654	0.00017332	0.000412049	0.000215556	0.000226097	**4213**	0.000192673
0.000194349	0.000176464	0.000420708	0.000218146	0.000210424	0.000192693	0.00017515	0.000416765	0.000218146	0.000218026	**4214**	0.00019448
0.00019311	0.000175447	0.000416661	0.000216724	0.00020579	0.000191481	0.000174157	0.000412758	0.000216724	0.000210891	**4215**	0.000193268
0.000209399	0.0001901	0.000453667	0.000235416	0.000193962	0.000207779	0.000188856	0.000449475	0.000235416	0.000197804	**4216**	0.000209533
0.000218959	0.000198742	0.000474846	0.000246125	0.000186407	0.000217237	0.000197412	0.000470449	0.000246125	0.000189473	**4217**	0.00021909
0.000213978	0.000194792	0.000456806	0.000237631	0.000182471	0.000211132	0.000192262	0.000452146	0.000237631	0.000185164	**4218**	0.000214251
0.000206484	0.000188871	0.000429402	0.000224325	0.00016526	0.000201712	0.000184288	0.000424265	0.000224325	0.000170227	**4219**	0.000206977
0.000196085	0.000179953	0.000400254	0.00020987	0.000147879	0.000190276	0.00017425	0.000394975	0.00020987	0.000154878	**4220**	0.000196704
0.000188086	0.000173124	0.000377454	0.000197909	0.000134155	0.000181322	0.000166367	0.00037233	0.000197909	0.000141711	**4221**	0.000188706
0.000170385	0.000157291	0.000336109	0.000176564	0.000121682	0.000163383	0.000150217	0.000331545	0.000176564	0.00012974	**4222**	0.000170949
0.000150104	0.000138448	0.000297639	0.000156095	0.000116762	0.000144204	0.000132494	0.000293778	0.000156095	0.000124294	**4223**	0.000150546
0.000135977	0.000125094	0.000273725	0.000143452	0.000112205	0.00013152	0.000120633	0.000270573	0.000143452	0.000119274	**4224**	0.000136276
0.000117872	0.000108137	0.000241078	0.000126019	0.000115963	0.000114745	0.000105043	0.000238666	0.000126019	0.00012346	**4225**	0.000118026
0.00011087	0.000101602	0.000228172	0.000119455	0.000118994	0.000108346	9.91279E-05	0.000226079	0.000119455	0.000126839	**4226**	0.000110974
0.000105821	9.70133E-05	0.000217301	0.000114144	0.000127071	0.000103502	9.47438E-05	0.000215367	0.000114144	0.000135816	**4227**	0.000105921
0.000105307	9.65917E-05	0.000215609	0.000113634	0.000139032	0.000103036	9.43713E-05	0.000213705	0.000113634	0.000149109	**4228**	0.000105418
0.000113714	0.000104254	0.000233446	0.000122838	0.00015151	0.000111273	0.000101873	0.000231339	0.000122838	0.000162952	**4229**	0.000113838
0.000125468	0.000114996	0.000258001	0.000135437	0.000159235	0.000122674	0.00011227	0.000255572	0.000135437	0.000171618	**4230**	0.000125618
0.000138743	0.000127	0.000287374	0.000150396	0.00021213	0.000135752	0.000124106	0.000284502	0.000150396	0.000217903	**4231**	0.000138935
0.000138889	0.000126623	0.000294131	0.000153967	0.000215577	0.00013697	0.000124903	0.000291097	0.000153967	0.000221823	**4232**	0.000139114
0.000141717	0.000129284	0.000299079	0.000156746	0.000218846	0.00013962	0.000127381	0.00029594	0.000156746	0.000225391	**4233**	0.000141967
0.000152532	0.000139049	0.000323183	0.000168832	0.000220956	0.000150302	0.000137031	0.000319806	0.000168832	0.000227696	**4234**	0.000152776
0.000168001	0.000152949	0.000358507	0.000186493	0.000224689	0.000165734	0.000150929	0.000354838	0.000186493	0.000231806	**4235**	0.000168218
0.000186882	0.000169806	0.000403002	0.000208915	0.000218672	0.000184935	0.000168168	0.000399096	0.000208915	0.000227159	**4236**	0.000187039
0.000194302	0.000176467	0.000420036	0.000217619	0.000217856	0.000192442	0.000174937	0.000416026	0.000217619	0.000226269	**4237**	0.000194445
0.000197507	0.000179302	0.000427921	0.000221828	0.000210513	0.000195878	0.000178023	0.000423931	0.000221828	0.000218109	**4238**	0.000197633
0.000196244	0.000178265	0.000423789	0.000220374	0.000205798	0.000194642	0.00017701	0.000419839	0.000220374	0.000210883	**4239**	0.000196397
0.000212835	0.000193192	0.000461457	0.000239415	0.000194253	0.000211243	0.000191986	0.000457213	0.000239415	0.000198112	**4240**	0.000212964
0.000223163	0.000202516	0.000484484	0.000251029	0.000186709	0.000221478	0.000201236	0.000480024	0.000251029	0.000189792	**4241**	0.000223286
0.000217955	0.000198362	0.000465933	0.000242271	0.000182877	0.000215144	0.000195879	0.000461214	0.000242271	0.000185602	**4242**	0.00021822
0.000209956	0.000191986	0.000437404	0.00022838	0.000165614	0.000205216	0.000187444	0.000432215	0.00022838	0.000170609	**4243**	0.000210442
0.000199032	0.000182597	0.000407041	0.000213311	0.000148204	0.00019325	0.000176928	0.000401717	0.000213311	0.000155227	**4244**	0.000199645
0.000189213	0.000173877	0.000383307	0.00020077	0.000134345	0.00018297	0.000167689	0.000378147	0.00020077	0.000141914	**4245**	0.000189823
0.000172286	0.000158993	0.000340522	0.000178787	0.000121883	0.000165302	0.000151943	0.000335929	0.000178787	0.000129953	**4246**	0.000172845
0.000151914	0.000140065	0.000301894	0.000158217	0.000116895	0.000146033	0.000134134	0.000298006	0.000158217	0.000124431	**4247**	0.00015235

0.000137427	0.000126401	0.000276972	0.000145135	0.000112419	0.00013298	0.000121955	0.000273799	0.000145135	0.000119502	**4248**	0.000137723
0.000117872	0.000108137	0.000241078	0.000126019	0.000115963	0.000114745	0.000105043	0.000238666	0.000126019	0.00012346	**4249**	0.000118026
0.00011087	0.000101602	0.000228172	0.000119455	0.000118994	0.000108346	9.91279E-05	0.000226079	0.000119455	0.000126839	**4250**	0.000110974
0.000105821	9.70133E-05	0.000217301	0.000114144	0.000127071	0.000103502	9.47438E-05	0.000215367	0.000114144	0.000135816	**4251**	0.000105921
0.000105307	9.65917E-05	0.000215609	0.000113634	0.000139032	0.000103036	9.43713E-05	0.000213705	0.000113634	0.000149109	**4252**	0.000105418
0.000113714	0.000104254	0.000233446	0.000122838	0.00015151	0.000111273	0.000101873	0.000231339	0.000122838	0.000162952	**4253**	0.000113838
0.000125468	0.000114996	0.000258001	0.000135437	0.000159235	0.000122674	0.00011227	0.000255572	0.000135437	0.000171618	**4254**	0.000125618
0.000138743	0.000127	0.000287374	0.000150396	0.00021213	0.000135752	0.000124106	0.000284502	0.000150396	0.000217903	**4255**	0.000138935
0.000138889	0.000126623	0.000294131	0.000153967	0.000215577	0.00013697	0.000124903	0.000291097	0.000153967	0.000221823	**4256**	0.000139114
0.000141717	0.000129284	0.000299079	0.000156746	0.000218846	0.00013962	0.000127381	0.00029594	0.000156746	0.000225391	**4257**	0.000141967
0.000152532	0.000139049	0.000323183	0.000168832	0.000220956	0.000150302	0.000137031	0.000319806	0.000168832	0.000227696	**4258**	0.000152776
0.000168001	0.000152949	0.000358507	0.000186493	0.000224689	0.000165734	0.000150929	0.000354838	0.000186493	0.000231806	**4259**	0.000168218
0.000186882	0.000169806	0.000403002	0.000208915	0.000218672	0.000184935	0.000168168	0.000399096	0.000208915	0.000227159	**4260**	0.000187039
0.000194302	0.000176467	0.000420036	0.000217619	0.000217856	0.000192442	0.000174937	0.000416026	0.000217619	0.000226269	**4261**	0.000194445
0.000197507	0.000179302	0.000427921	0.000221828	0.000210513	0.000195878	0.000178023	0.000423931	0.000221828	0.000218109	**4262**	0.000197633
0.000196244	0.000178265	0.000423789	0.000220374	0.000205798	0.000194642	0.00017701	0.000419839	0.000220374	0.000210883	**4263**	0.000196397
0.000212835	0.000193192	0.000461457	0.000239415	0.000194253	0.000211243	0.000191986	0.000457213	0.000239415	0.000198112	**4264**	0.000212964
0.000223163	0.000202516	0.000484484	0.000251029	0.000186709	0.000221478	0.000201236	0.000480024	0.000251029	0.000189792	**4265**	0.000223286
0.000217955	0.000198362	0.000465933	0.000242271	0.000182877	0.000215144	0.000195879	0.000461214	0.000242271	0.000185602	**4266**	0.00021822
0.000209956	0.000191986	0.000437404	0.00022838	0.000165614	0.000205216	0.000187444	0.000432215	0.00022838	0.000170609	**4267**	0.000210442
0.000199032	0.000182597	0.000407041	0.000213311	0.000148204	0.00019325	0.000176928	0.000401717	0.000213311	0.000155227	**4268**	0.000199645
0.000189213	0.000173877	0.000383307	0.00020077	0.000134345	0.00018297	0.000167689	0.000378147	0.00020077	0.000141914	**4269**	0.000189823
0.000172286	0.000158993	0.000340522	0.000178787	0.000121883	0.000165302	0.000151943	0.000335929	0.000178787	0.000129953	**4270**	0.000172845
0.000151914	0.000140065	0.000301894	0.000158217	0.000116895	0.000146033	0.000134134	0.000298006	0.000158217	0.000124431	**4271**	0.00015235
0.000137427	0.000126401	0.000276972	0.000145135	0.000112419	0.00013298	0.000121955	0.000273799	0.000145135	0.000119502	**4272**	0.000137723
0.000117651	0.000107945	0.000240495	0.000125754	0.000115988	0.00011452	0.000104846	0.000238087	0.000125754	0.000123489	**4273**	0.000117807
0.000110773	0.000101519	0.000227896	0.000119336	0.000119077	0.000108246	9.90424E-05	0.000225804	0.000119336	0.000126933	**4274**	0.000110878
0.00010575	9.69518E-05	0.000217107	0.000114058	0.000127227	0.00010343	9.46807E-05	0.000215174	0.000114058	0.000135993	**4275**	0.000105851
0.000105346	9.66295E-05	0.000215666	0.000113676	0.000139144	0.000103075	9.44088E-05	0.000213761	0.000113676	0.000149234	**4276**	0.000105458
0.000113856	0.000104384	0.000233741	0.000123001	0.000151709	0.000111416	0.000102004	0.000231632	0.000123001	0.000163177	**4277**	0.000113981
0.000125902	0.000115382	0.000259048	0.000135948	0.000159474	0.000123113	0.000112661	0.000256612	0.000135948	0.000171892	**4278**	0.00012605
0.000137403	0.000125539	0.000287561	0.000150378	0.000212285	0.000134912	0.000123185	0.000284691	0.000150378	0.000218087	**4279**	0.00013759
0.000139005	0.000126726	0.000294414	0.000154104	0.000215722	0.000137088	0.000125008	0.000291378	0.000154104	0.000221999	**4280**	0.00013923
0.00014164	0.000129218	0.000298856	0.000156652	0.000218928	0.000139541	0.000127313	0.000295718	0.000156652	0.000225496	**4281**	0.000141891
0.000151487	0.000138117	0.000320703	0.000167605	0.000220941	0.000149246	0.000136085	0.000317342	0.000167605	0.000227695	**4282**	0.000151735
0.00016629	0.000151418	0.000354518	0.000184491	0.000224448	0.000164007	0.000149376	0.000350874	0.000184491	0.000231553	**4283**	0.000166512
0.000184974	0.000168091	0.000398659	0.000206692	0.000218425	0.000183011	0.000166431	0.000394781	0.000206692	0.000226901	**4284**	0.000185134
0.000192528	0.000174869	0.000416033	0.000215556	0.000217687	0.000190654	0.00017332	0.000412049	0.000215556	0.000226097	**4285**	0.000192673
0.000194349	0.000176464	0.000420708	0.000218146	0.000210424	0.000192693	0.00017515	0.000416765	0.000218146	0.000218026	**4286**	0.00019448
0.00019311	0.000175447	0.000416661	0.000216724	0.00020579	0.000191481	0.000174157	0.000412758	0.000216724	0.000210891	**4287**	0.000193268
0.000209399	0.0001901	0.000453667	0.000235416	0.000193962	0.000207779	0.000188856	0.000449475	0.000235416	0.000197804	**4288**	0.000209533
0.000218959	0.000198742	0.000474846	0.000246125	0.000186407	0.000217237	0.000197412	0.000470449	0.000246125	0.000189473	**4289**	0.00021909
0.000213978	0.000194792	0.000456806	0.000237631	0.000182471	0.000211132	0.000192262	0.000452146	0.000237631	0.000185164	**4290**	0.000214251
0.000206484	0.000188871	0.000429402	0.000224325	0.00016526	0.000201712	0.000184288	0.000424265	0.000224325	0.000170227	**4291**	0.000206977
0.000196085	0.000179953	0.000400254	0.00020987	0.000147879	0.000190276	0.00017425	0.000394975	0.00020987	0.000154878	**4292**	0.000196704
0.000188086	0.000173124	0.000377454	0.000197909	0.000134155	0.000181322	0.000166367	0.00037233	0.000197909	0.000141711	**4293**	0.000188706
0.000170385	0.000157291	0.000336109	0.000176564	0.000121682	0.000163383	0.000150217	0.000331545	0.000176564	0.00012974	**4294**	0.000170949
0.000150104	0.000138448	0.000297639	0.000156095	0.000116762	0.000144204	0.000132494	0.000293778	0.000156095	0.000124294	**4295**	0.000150546
0.000135977	0.000125094	0.000273725	0.000143452	0.000112205	0.00013152	0.000120633	0.000270573	0.000143452	0.000119274	**4296**	0.000136276
0.000117651	0.000107945	0.000240495	0.000125754	0.000115988	0.00011452	0.000104846	0.000238087	0.000125754	0.000123489	**4297**	0.000117807
0.000110773	0.000101519	0.000227896	0.000119336	0.000119077	0.000108246	9.90424E-05	0.000225804	0.000119336	0.000126933	**4298**	0.000110878
0.00010575	9.69518E-05	0.000217107	0.000114058	0.000127227	0.00010343	9.46807E-05	0.000215174	0.000114058	0.000135993	**4299**	0.000105851
0.000105346	9.66295E-05	0.000215666	0.000113676	0.000139144	0.000103075	9.44088E-05	0.000213761	0.000113676	0.000149234	**4300**	0.000105458
0.000113856	0.000104384	0.000233741	0.000123001	0.000151709	0.000111416	0.000102004	0.000231632	0.000123001	0.000163177	**4301**	0.000113981
0.000125902	0.000115382	0.000259048	0.000135948	0.000159474	0.000123113	0.000112661	0.000256612	0.000135948	0.000171892	**4302**	0.00012605
0.000137403	0.000125539	0.000287561	0.000150378	0.000212285	0.000134912	0.000123185	0.000284691	0.000150378	0.000218087	**4303**	0.00013759
0.000139005	0.000126726	0.000294414	0.000154104	0.000215722	0.000137088	0.000125008	0.000291378	0.000154104	0.000221999	**4304**	0.00013923
0.00014164	0.000129218	0.000298856	0.000156652	0.000218928	0.000139541	0.000127313	0.000295718	0.000156652	0.000225496	**4305**	0.000141891
0.000151487	0.000138117	0.000320703	0.000167605	0.000220941	0.000149246	0.000136085	0.000317342	0.000167605	0.000227695	**4306**	0.000151735
0.00016629	0.000151418	0.000354518	0.000184491	0.000224448	0.000164007	0.000149376	0.000350874	0.000184491	0.000231553	**4307**	0.000166512
0.000184974	0.000168091	0.000398659	0.000206692	0.000218425	0.000183011	0.000166431	0.000394781	0.000206692	0.000226901	**4308**	0.000185134
0.000192528	0.000174869	0.000416033	0.000215556	0.000217687	0.000190654	0.00017332	0.000412049	0.000215556	0.000226097	**4309**	0.000192673
0.000194349	0.000176464	0.000420708	0.000218146	0.000210424	0.000192693	0.00017515	0.000416765	0.000218146	0.000218026	**4310**	0.00019448
0.00019311	0.000175447	0.000416661	0.000216724	0.00020579	0.000191481	0.000174157	0.000412758	0.000216724	0.000210891	**4311**	0.000193268
0.000209399	0.0001901	0.000453667	0.000235416	0.000193962	0.000207779	0.000188856	0.000449475	0.000235416	0.000197804	**4312**	0.000209533
0.000218959	0.000198742	0.000474846	0.000246125	0.000186407	0.000217237	0.000197412	0.000470449	0.000246125	0.000189473	**4313**	0.00021909
0.000213978	0.000194792	0.000456806	0.000237631	0.000182471	0.000211132	0.000192262	0.000452146	0.000237631	0.000185164	**4314**	0.000214251
0.000206484	0.000188871	0.000429402	0.000224325	0.00016526	0.000201712	0.000184288	0.000424265	0.000224325	0.000170227	**4315**	0.000206977
0.000196085	0.000179953	0.000400254	0.00020987	0.000147879	0.000190276	0.00017425	0.000394975	0.00020987	0.000154878	**4316**	0.000196704
0.000188086	0.000173124	0.000377454	0.000197909	0.000134155	0.000181322	0.000166367	0.00037233	0.000197909	0.000141711	**4317**	0.000188706
0.000170385	0.000157291	0.000336109	0.000176564	0.000121682	0.000163383	0.000150217	0.000331545	0.000176564	0.00012974	**4318**	0.000170949
0.000150104	0.000138448	0.000297639	0.000156095	0.000116762	0.000144204	0.000132494	0.000293778	0.000156095	0.000124294	**4319**	0.000150546
0.000135977	0.000125094	0.000273725	0.000143452	0.000112205	0.00013152	0.000120633	0.000270573	0.000143452	0.000119274	**4320**	0.000136276
0.000117651	0.000107945	0.000240495	0.000125754	0.000115988	0.00011452	0.000104846	0.000238087	0.000125754	0.000123489	**4321**	0.000117807
0.000110773	0.000101519	0.000227896	0.000119336	0.000119077	0.000108246	9.90424E-05	0.000225804	0.000119336	0.000126933	**4322**	0.000110878
0.00010575	9.69518E-05	0.000217107	0.000114058	0.000127227	0.00010343	9.46807E-05	0.000215174	0.000114058	0.000135993	**4323**	0.000105851

0.000105346	9.66295E-05	0.000215666	0.000113676	0.000139144	0.000103075	9.44088E-05	0.000213761	0.000113676	0.000149234	**4324**	0.000105458
0.000113856	0.000104384	0.000233741	0.000123001	0.000151709	0.000111416	0.000102004	0.000231632	0.000123001	0.000163177	**4325**	0.000113981
0.000125902	0.000115382	0.000259048	0.000135948	0.000159474	0.000123113	0.000112661	0.000256612	0.000135948	0.000171892	**4326**	0.00012605
0.000137403	0.000125539	0.000287561	0.000150378	0.000212285	0.000134912	0.000123185	0.000284691	0.000150378	0.000218087	**4327**	0.00013759
0.000139005	0.000126726	0.000294414	0.000154104	0.000215722	0.000137088	0.000125008	0.000291378	0.000154104	0.000221999	**4328**	0.00013923
0.00014164	0.000129218	0.000298856	0.000156652	0.000218928	0.000139541	0.000127313	0.000295718	0.000156652	0.000225496	**4329**	0.000141891
0.000151487	0.000138117	0.000320703	0.000167605	0.000220941	0.000149246	0.000136085	0.000317342	0.000167605	0.000227695	**4330**	0.000151735
0.00016629	0.000151418	0.000354518	0.000184491	0.000224448	0.000164007	0.000149376	0.000350874	0.000184491	0.000231553	**4331**	0.000166512
0.000184974	0.000168091	0.000398659	0.000206692	0.000218425	0.000183011	0.000166431	0.000394781	0.000206692	0.000226901	**4332**	0.000185134
0.000192528	0.000174869	0.000416033	0.000215556	0.000217687	0.000190654	0.00017332	0.000412049	0.000215556	0.000226097	**4333**	0.000192673
0.000194349	0.000176464	0.000420708	0.000218146	0.000210424	0.000192693	0.00017515	0.000416765	0.000218146	0.000218026	**4334**	0.00019448
0.00019311	0.000175447	0.000416661	0.000216724	0.00020579	0.000191481	0.000174157	0.000412758	0.000216724	0.000210891	**4335**	0.000193268
0.000209399	0.0001901	0.000453667	0.000235416	0.000193962	0.000207779	0.000188856	0.000449475	0.000235416	0.000197804	**4336**	0.000209533
0.000218959	0.000198742	0.000474846	0.000246125	0.000186407	0.000217237	0.000197412	0.000470449	0.000246125	0.000189473	**4337**	0.00021909
0.000213978	0.000194792	0.000456806	0.000237631	0.000182471	0.000211132	0.000192262	0.000452146	0.000237631	0.000185164	**4338**	0.000214251
0.000206484	0.000188871	0.000429402	0.000224325	0.00016526	0.000201712	0.000184288	0.000424265	0.000224325	0.000170227	**4339**	0.000206977
0.000196085	0.000179953	0.000400254	0.00020987	0.000147879	0.000190276	0.00017425	0.000394975	0.00020987	0.000154878	**4340**	0.000196704
0.000188086	0.000173124	0.000377454	0.000197909	0.000134155	0.000181322	0.000166367	0.00037233	0.000197909	0.000141711	**4341**	0.000188706
0.000170385	0.000157291	0.000336109	0.000176564	0.000121682	0.000163383	0.000150217	0.000331545	0.000176564	0.00012974	**4342**	0.000170949
0.000150104	0.000138448	0.000297639	0.000156095	0.000116762	0.000144204	0.000132494	0.000293778	0.000156095	0.000124294	**4343**	0.000150546
0.000135977	0.000125094	0.000273725	0.000143452	0.000112205	0.00013152	0.000120633	0.000270573	0.000143452	0.000119274	**4344**	0.000136276
0.000117651	0.000107945	0.000240495	0.000125754	0.000115988	0.00011452	0.000104846	0.000238087	0.000125754	0.000123489	**4345**	0.000117807
0.000110773	0.000101519	0.000227896	0.000119336	0.000119077	0.000108246	9.90424E-05	0.000225804	0.000119336	0.000126933	**4346**	0.000110878
0.00010575	9.69518E-05	0.000217107	0.000114058	0.000127227	0.00010343	9.46807E-05	0.000215174	0.000114058	0.000135993	**4347**	0.000105851
0.000105346	9.66295E-05	0.000215666	0.000113676	0.000139144	0.000103075	9.44088E-05	0.000213761	0.000113676	0.000149234	**4348**	0.000105458
0.000113856	0.000104384	0.000233741	0.000123001	0.000151709	0.000111416	0.000102004	0.000231632	0.000123001	0.000163177	**4349**	0.000113981
0.000125902	0.000115382	0.000259048	0.000135948	0.000159474	0.000123113	0.000112661	0.000256612	0.000135948	0.000171892	**4350**	0.00012605
0.000137403	0.000125539	0.000287561	0.000150378	0.000212285	0.000134912	0.000123185	0.000284691	0.000150378	0.000218087	**4351**	0.00013759
0.000139005	0.000126726	0.000294414	0.000154104	0.000215722	0.000137088	0.000125008	0.000291378	0.000154104	0.000221999	**4352**	0.00013923
0.00014164	0.000129218	0.000298856	0.000156652	0.000218928	0.000139541	0.000127313	0.000295718	0.000156652	0.000225496	**4353**	0.000141891
0.000151487	0.000138117	0.000320703	0.000167605	0.000220941	0.000149246	0.000136085	0.000317342	0.000167605	0.000227695	**4354**	0.000151735
0.00016629	0.000151418	0.000354518	0.000184491	0.000224448	0.000164007	0.000149376	0.000350874	0.000184491	0.000231553	**4355**	0.000166512
0.000184974	0.000168091	0.000398659	0.000206692	0.000218425	0.000183011	0.000166431	0.000394781	0.000206692	0.000226901	**4356**	0.000185134
0.000192528	0.000174869	0.000416033	0.000215556	0.000217687	0.000190654	0.00017332	0.000412049	0.000215556	0.000226097	**4357**	0.000192673
0.000194349	0.000176464	0.000420708	0.000218146	0.000210424	0.000192693	0.00017515	0.000416765	0.000218146	0.000218026	**4358**	0.00019448
0.00019311	0.000175447	0.000416661	0.000216724	0.00020579	0.000191481	0.000174157	0.000412758	0.000216724	0.000210891	**4359**	0.000193268
0.000209399	0.0001901	0.000453667	0.000235416	0.000193962	0.000207779	0.000188856	0.000449475	0.000235416	0.000197804	**4360**	0.000209533
0.000218959	0.000198742	0.000474846	0.000246125	0.000186407	0.000217237	0.000197412	0.000470449	0.000246125	0.000189473	**4361**	0.00021909
0.000213978	0.000194792	0.000456806	0.000237631	0.000182471	0.000211132	0.000192262	0.000452146	0.000237631	0.000185164	**4362**	0.000214251
0.000206484	0.000188871	0.000429402	0.000224325	0.00016526	0.000201712	0.000184288	0.000424265	0.000224325	0.000170227	**4363**	0.000206977
0.000196085	0.000179953	0.000400254	0.00020987	0.000147879	0.000190276	0.00017425	0.000394975	0.00020987	0.000154878	**4364**	0.000196704
0.000188086	0.000173124	0.000377454	0.000197909	0.000134155	0.000181322	0.000166367	0.00037233	0.000197909	0.000141711	**4365**	0.000188706
0.000170385	0.000157291	0.000336109	0.000176564	0.000121682	0.000163383	0.000150217	0.000331545	0.000176564	0.00012974	**4366**	0.000170949
0.000150104	0.000138448	0.000297639	0.000156095	0.000116762	0.000144204	0.000132494	0.000293778	0.000156095	0.000124294	**4367**	0.000150546
0.000135977	0.000125094	0.000273725	0.000143452	0.000112205	0.00013152	0.000120633	0.000270573	0.000143452	0.000119274	**4368**	0.000136276
0.000138909	0.000127256	0.000286402	0.00015028	0.000122175	0.000135906	0.000124337	0.000283671	0.00015028	0.000130266	**4369**	0.000139082
0.000127374	0.000116654	0.000263053	0.000138422	0.000125329	0.000124931	0.000114301	0.000260709	0.000138422	0.000133785	**4370**	0.000127506
0.000121267	0.000111048	0.000250611	0.00013196	0.000133294	0.000119039	0.000108908	0.000248443	0.00013196	0.000142631	**4371**	0.00012138
0.000122313	0.000111953	0.000253428	0.00013336	0.000144344	0.000120167	0.000109902	0.000251267	0.00013336	0.000154877	**4372**	0.000122415
0.000126354	0.000115693	0.000261293	0.000137475	0.000156626	0.000124001	0.000113432	0.000258995	0.000137475	0.000168504	**4373**	0.000126477
0.000133234	0.000122199	0.000272898	0.000144215	0.000164337	0.000130447	0.000119493	0.000270349	0.000144215	0.000177196	**4374**	0.000133428
0.000147271	0.000134725	0.000306061	0.000161492	0.000217947	0.000144779	0.000132388	0.000303038	0.000161492	0.000224271	**4375**	0.000147523
0.000161751	0.00014744	0.000342872	0.000180282	0.000220867	0.000159955	0.000145899	0.00033949	0.000180282	0.000227613	**4376**	0.000162007
0.000176634	0.000160913	0.000375608	0.000197139	0.000223507	0.000174769	0.000159332	0.000371941	0.000197139	0.0002305	**4377**	0.000176889
0.000192072	0.000174891	0.00040952	0.000214542	0.000225129	0.000190098	0.00017323	0.000405545	0.000214542	0.000232274	**4378**	0.000192328
0.000206326	0.000187735	0.000441632	0.000230745	0.000225519	0.000204295	0.000186046	0.000437383	0.000230745	0.000232682	**4379**	0.000206567
0.000220012	0.00019995	0.000473934	0.000247078	0.000217994	0.000218249	0.000198576	0.000469525	0.000247078	0.000226352	**4380**	0.000220208
0.000233756	0.000212308	0.000505212	0.000263135	0.000216952	0.00023213	0.000211111	0.000500604	0.000263135	0.000225207	**4381**	0.00023393
0.000246342	0.000223586	0.000534359	0.000278265	0.000211929	0.000245026	0.000222744	0.00052963	0.000278265	0.000219683	**4382**	0.000246487
0.000260726	0.000236406	0.000568538	0.0002953	0.000211042	0.000259626	0.000235826	0.000563617	0.0002953	0.000216678	**4383**	0.000260819
0.000272015	0.000246573	0.000594023	0.000308153	0.000202111	0.000270878	0.00024598	0.000588887	0.000308153	0.000206805	**4384**	0.000272095
0.000280717	0.000254477	0.000612828	0.000317823	0.000196213	0.000279462	0.000253779	0.0006075	0.000317823	0.000200323	**4385**	0.000280803
0.000275147	0.000249908	0.000594589	0.000308753	0.000193206	0.000272788	0.00024803	0.000589008	0.000308753	0.000197061	**4386**	0.000275354
0.000263099	0.000239772	0.00055835	0.00029029	0.000176177	0.000258808	0.000235825	0.000552363	0.00029029	0.000182322	**4387**	0.000263502
0.000246025	0.000224781	0.000514909	0.000268146	0.000159849	0.00024066	0.00021966	0.000508881	0.000268146	0.000168141	**4388**	0.000246547
0.000228901	0.000209899	0.000469393	0.000245365	0.000146124	0.000222461	0.000203577	0.000463654	0.000245365	0.000154972	**4389**	0.000229476
0.000206542	0.000189907	0.000417095	0.000218561	0.000135606	0.000199818	0.000183207	0.000411986	0.000218561	0.000145182	**4390**	0.000207077
0.000178134	0.000163746	0.000360241	0.000188634	0.00012952	0.000172446	0.000158078	0.000355958	0.000188634	0.000138449	**4391**	0.000178556
0.000154901	0.000142196	0.000315703	0.000165393	0.000125623	0.00015058	0.000137922	0.000312266	0.000165393	0.000134136	**4392**	0.000155192
0.000139516	0.000127798	0.000287832	0.000150992	0.00012158	0.000136519	0.000124886	0.000285092	0.000150992	0.000129608	**4393**	0.000139687
0.000127512	0.000116777	0.000263374	0.000138584	0.000125251	0.000125071	0.000114426	0.000261028	0.000138584	0.000133698	**4394**	0.000127644
0.000121316	0.000111095	0.000250677	0.000132013	0.000133217	0.000119087	0.000108955	0.000248508	0.000132013	0.000142544	**4395**	0.00012143
0.000122814	0.000112406	0.000254539	0.00013394	0.00014419	0.000120671	0.00011036	0.00025237	0.00013394	0.000154704	**4396**	0.000122916
0.000126841	0.000116137	0.000262312	0.000138033	0.000156632	0.000124489	0.000113879	0.000260006	0.000138033	0.00016851	**4397**	0.000126965
0.000133964	0.000122861	0.000274484	0.000145058	0.000164436	0.000131181	0.000120162	0.000271924	0.000145058	0.000177305	**4398**	0.000134158
0.000149464	0.00013695	0.00030785	0.000162506	0.000217964	0.00014648	0.000134084	0.000304812	0.000162506	0.000224287	**4399**	0.000149719

0.000161612	0.000147321	0.000342495	0.000180115	0.000220873	0.000159814	0.000145776	0.000339115	0.000180115	0.000227617	**4400**	0.000161869
0.00017579	0.000160162	0.000373586	0.000196146	0.000223529	0.000173915	0.000158569	0.000369932	0.000196146	0.000230522	**4401**	0.000176048
0.00019161	0.000174479	0.000408435	0.000214	0.000225058	0.000189631	0.000172811	0.000404466	0.000214	0.000232191	**4402**	0.000191867
0.000207119	0.000188452	0.000443389	0.000231664	0.000225395	0.000205094	0.000186771	0.000439127	0.000231664	0.000232541	**4403**	0.000207359
0.000220976	0.000200809	0.000476215	0.000248209	0.000217749	0.000219223	0.000199449	0.000471791	0.000248209	0.000226077	**4404**	0.000221168
0.000234963	0.000213389	0.000508026	0.000264549	0.00021661	0.00023335	0.000212207	0.0005034	0.000264549	0.000224823	**4405**	0.000235135
0.000248519	0.000225533	0.000539452	0.000280814	0.000211656	0.000247224	0.000224717	0.000534691	0.000280814	0.000219372	**4406**	0.000248658
0.000263211	0.000238633	0.000574283	0.000298203	0.000211084	0.000262134	0.000238083	0.000569324	0.000298203	0.000216714	**4407**	0.000263298
0.000274815	0.000249081	0.000600511	0.000311426	0.000202427	0.000273704	0.000248523	0.000595333	0.000311426	0.000207144	**4408**	0.000274888
0.00028503	0.000258345	0.000622764	0.000322858	0.000196507	0.000283813	0.000257698	0.000617371	0.000322858	0.000200636	**4409**	0.000285107
0.000279602	0.000253913	0.000604737	0.000313944	0.000193351	0.00027728	0.000252085	0.000599089	0.000313944	0.000197205	**4410**	0.000279801
0.000267942	0.000244126	0.000569366	0.000295931	0.000176249	0.000263691	0.000240233	0.000563306	0.000295931	0.000182386	**4411**	0.000268337
0.000250475	0.000228781	0.000525048	0.00027333	0.000159899	0.000245147	0.000223711	0.000518952	0.00027333	0.000168179	**4412**	0.000250989
0.000231381	0.000211869	0.000478336	0.000249804	0.000146073	0.000225475	0.000206131	0.000472542	0.000249804	0.000154901	**4413**	0.000231944
0.000210091	0.000193097	0.000425173	0.000222695	0.000135712	0.000203397	0.000186438	0.000420011	0.000222695	0.000145286	**4414**	0.00021062
0.000180739	0.000166094	0.000366101	0.000191662	0.000129757	0.000175071	0.000160453	0.000361779	0.000191662	0.000138699	**4415**	0.000181158
0.000157454	0.000144494	0.000321486	0.000168364	0.000125984	0.000153154	0.000140247	0.000318011	0.000168364	0.000134524	**4416**	0.000157741
0.000139516	0.000127798	0.000287832	0.000150992	0.00012158	0.000136519	0.000124886	0.000285092	0.000150992	0.000129608	**4417**	0.000139687
0.000127512	0.000116777	0.000263374	0.000138584	0.000125251	0.000125071	0.000114426	0.000261028	0.000138584	0.000133698	**4418**	0.000127644
0.000121316	0.000111095	0.000250677	0.000132013	0.000133217	0.000119087	0.000108955	0.000248508	0.000132013	0.000142544	**4419**	0.00012143
0.000122814	0.000112406	0.000254539	0.00013394	0.00014419	0.000120671	0.00011036	0.00025237	0.00013394	0.000154704	**4420**	0.000122916
0.000126841	0.000116137	0.000262312	0.000138033	0.000156632	0.000124489	0.000113879	0.000260006	0.000138033	0.00016851	**4421**	0.000126965
0.000133964	0.000122861	0.000274484	0.000145058	0.000164436	0.000131181	0.000120162	0.000271924	0.000145058	0.000177305	**4422**	0.000134158
0.000149464	0.00013695	0.00030785	0.000162506	0.000217964	0.00014648	0.000134084	0.000304812	0.000162506	0.000224287	**4423**	0.000149719
0.000161612	0.000147321	0.000342495	0.000180115	0.000220873	0.000159814	0.000145776	0.000339115	0.000180115	0.000227617	**4424**	0.000161869
0.00017579	0.000160162	0.000373586	0.000196146	0.000223529	0.000173915	0.000158569	0.000369932	0.000196146	0.000230522	**4425**	0.000176048
0.00019161	0.000174479	0.000408435	0.000214	0.000225058	0.000189631	0.000172811	0.000404466	0.000214	0.000232191	**4426**	0.000191867
0.000207119	0.000188452	0.000443389	0.000231664	0.000225395	0.000205094	0.000186771	0.000439127	0.000231664	0.000232541	**4427**	0.000207359
0.000220976	0.000200809	0.000476215	0.000248209	0.000217749	0.000219223	0.000199449	0.000471791	0.000248209	0.000226077	**4428**	0.000221168
0.000234963	0.000213389	0.000508026	0.000264549	0.00021661	0.00023335	0.000212207	0.0005034	0.000264549	0.000224823	**4429**	0.000235135
0.000248519	0.000225533	0.000539452	0.000280814	0.000211656	0.000247224	0.000224717	0.000534691	0.000280814	0.000219372	**4430**	0.000248658
0.000263211	0.000238633	0.000574283	0.000298203	0.000211084	0.000262134	0.000238083	0.000569324	0.000298203	0.000216714	**4431**	0.000263298
0.000274815	0.000249081	0.000600511	0.000311426	0.000202427	0.000273704	0.000248523	0.000595333	0.000311426	0.000207144	**4432**	0.000274888
0.00028503	0.000258345	0.000622764	0.000322858	0.000196507	0.000283813	0.000257698	0.000617371	0.000322858	0.000200636	**4433**	0.000285107
0.000279602	0.000253913	0.000604737	0.000313944	0.000193351	0.00027728	0.000252085	0.000599089	0.000313944	0.000197205	**4434**	0.000279801
0.000267942	0.000244126	0.000569366	0.000295931	0.000176249	0.000263691	0.000240233	0.000563306	0.000295931	0.000182386	**4435**	0.000268337
0.000250475	0.000228781	0.000525048	0.00027333	0.000159899	0.000245147	0.000223711	0.000518952	0.00027333	0.000168179	**4436**	0.000250989
0.000231381	0.000211869	0.000478336	0.000249804	0.000146073	0.000225475	0.000206131	0.000472542	0.000249804	0.000154901	**4437**	0.000231944
0.000210091	0.000193097	0.000425173	0.000222695	0.000135712	0.000203397	0.000186438	0.000420011	0.000222695	0.000145286	**4438**	0.00021062
0.000180739	0.000166094	0.000366101	0.000191662	0.000129757	0.000175071	0.000160453	0.000361779	0.000191662	0.000138699	**4439**	0.000181158
0.000157454	0.000144494	0.000321486	0.000168364	0.000125984	0.000153154	0.000140247	0.000318011	0.000168364	0.000134524	**4440**	0.000157741
0.000139516	0.000127798	0.000287832	0.000150992	0.00012158	0.000136519	0.000124886	0.000285092	0.000150992	0.000129608	**4441**	0.000139687
0.000127512	0.000116777	0.000263374	0.000138584	0.000125251	0.000125071	0.000114426	0.000261028	0.000138584	0.000133698	**4442**	0.000127644
0.000121316	0.000111095	0.000250677	0.000132013	0.000133217	0.000119087	0.000108955	0.000248508	0.000132013	0.000142544	**4443**	0.00012143
0.000122814	0.000112406	0.000254539	0.00013394	0.00014419	0.000120671	0.00011036	0.00025237	0.00013394	0.000154704	**4444**	0.000122916
0.000126841	0.000116137	0.000262312	0.000138033	0.000156632	0.000124489	0.000113879	0.000260006	0.000138033	0.00016851	**4445**	0.000126965
0.000133964	0.000122861	0.000274484	0.000145058	0.000164436	0.000131181	0.000120162	0.000271924	0.000145058	0.000177305	**4446**	0.000134158
0.000149464	0.00013695	0.00030785	0.000162506	0.000217964	0.00014648	0.000134084	0.000304812	0.000162506	0.000224287	**4447**	0.000149719
0.000161612	0.000147321	0.000342495	0.000180115	0.000220873	0.000159814	0.000145776	0.000339115	0.000180115	0.000227617	**4448**	0.000161869
0.00017579	0.000160162	0.000373586	0.000196146	0.000223529	0.000173915	0.000158569	0.000369932	0.000196146	0.000230522	**4449**	0.000176048
0.00019161	0.000174479	0.000408435	0.000214	0.000225058	0.000189631	0.000172811	0.000404466	0.000214	0.000232191	**4450**	0.000191867
0.000207119	0.000188452	0.000443389	0.000231664	0.000225395	0.000205094	0.000186771	0.000439127	0.000231664	0.000232541	**4451**	0.000207359
0.000220976	0.000200809	0.000476215	0.000248209	0.000217749	0.000219223	0.000199449	0.000471791	0.000248209	0.000226077	**4452**	0.000221168
0.000234963	0.000213389	0.000508026	0.000264549	0.00021661	0.00023335	0.000212207	0.0005034	0.000264549	0.000224823	**4453**	0.000235135
0.000248519	0.000225533	0.000539452	0.000280814	0.000211656	0.000247224	0.000224717	0.000534691	0.000280814	0.000219372	**4454**	0.000248658
0.000263211	0.000238633	0.000574283	0.000298203	0.000211084	0.000262134	0.000238083	0.000569324	0.000298203	0.000216714	**4455**	0.000263298
0.000274815	0.000249081	0.000600511	0.000311426	0.000202427	0.000273704	0.000248523	0.000595333	0.000311426	0.000207144	**4456**	0.000274888
0.00028503	0.000258345	0.000622764	0.000322858	0.000196507	0.000283813	0.000257698	0.000617371	0.000322858	0.000200636	**4457**	0.000285107
0.000279602	0.000253913	0.000604737	0.000313944	0.000193351	0.00027728	0.000252085	0.000599089	0.000313944	0.000197205	**4458**	0.000279801
0.000267942	0.000244126	0.000569366	0.000295931	0.000176249	0.000263691	0.000240233	0.000563306	0.000295931	0.000182386	**4459**	0.000268337
0.000250475	0.000228781	0.000525048	0.00027333	0.000159899	0.000245147	0.000223711	0.000518952	0.00027333	0.000168179	**4460**	0.000250989
0.000231381	0.000211869	0.000478336	0.000249804	0.000146073	0.000225475	0.000206131	0.000472542	0.000249804	0.000154901	**4461**	0.000231944
0.000210091	0.000193097	0.000425173	0.000222695	0.000135712	0.000203397	0.000186438	0.000420011	0.000222695	0.000145286	**4462**	0.00021062
0.000180739	0.000166094	0.000366101	0.000191662	0.000129757	0.000175071	0.000160453	0.000361779	0.000191662	0.000138699	**4463**	0.000181158
0.000157454	0.000144494	0.000321486	0.000168364	0.000125984	0.000153154	0.000140247	0.000318011	0.000168364	0.000134524	**4464**	0.000157741
0.000138909	0.000127256	0.000286402	0.00015028	0.000122175	0.000135906	0.000124337	0.000283671	0.00015028	0.000130266	**4465**	0.000139082
0.000127374	0.000116654	0.000263053	0.000138422	0.000125329	0.000124931	0.000114301	0.000260709	0.000138422	0.000133785	**4466**	0.000127506
0.000121267	0.000111048	0.000250611	0.00013196	0.000133294	0.000119039	0.000108908	0.000248443	0.00013196	0.000142631	**4467**	0.00012138
0.000122313	0.000111953	0.000253428	0.00013336	0.000144344	0.000120167	0.000109902	0.000251267	0.00013336	0.000154877	**4468**	0.000122415
0.000126354	0.000115693	0.000261293	0.000137475	0.000156626	0.000124001	0.000113432	0.000258995	0.000137475	0.000168504	**4469**	0.000126477
0.000133234	0.000122199	0.000272898	0.000144215	0.000164337	0.000130447	0.000119493	0.000270349	0.000144215	0.000177196	**4470**	0.000133428
0.000147271	0.000134725	0.000306061	0.000161492	0.000217947	0.000144779	0.000132388	0.000303038	0.000161492	0.000224271	**4471**	0.000147523
0.000161751	0.00014744	0.000342872	0.000180282	0.000220867	0.000159955	0.000145899	0.00033949	0.000180282	0.000227613	**4472**	0.000162007
0.000176634	0.000160913	0.000375608	0.000197139	0.000223507	0.000174769	0.000159332	0.000371941	0.000197139	0.0002305	**4473**	0.000176889
0.000192072	0.000174891	0.00040952	0.000214542	0.000225129	0.000190098	0.00017323	0.000405545	0.000214542	0.000232274	**4474**	0.000192328
0.000206326	0.000187735	0.000441632	0.000230745	0.000225519	0.000204295	0.000186046	0.000437383	0.000230745	0.000232682	**4475**	0.000206567

0.000220012	0.00019995	0.000473934	0.000247078	0.000217994	0.000218249	0.000198576	0.000469525	0.000247078	0.000226352	**4476**	0.000220208
0.000233756	0.000212308	0.000505212	0.000263135	0.000216952	0.00023213	0.000211111	0.000500604	0.000263135	0.000225207	**4477**	0.00023393
0.000246342	0.000223586	0.000534359	0.000278265	0.000211929	0.000245026	0.000222744	0.00052963	0.000278265	0.000219683	**4478**	0.000246487
0.000260726	0.000236406	0.000568538	0.0002953	0.000211042	0.000259626	0.000235826	0.000563617	0.0002953	0.000216678	**4479**	0.000260819
0.000272015	0.000246573	0.000594023	0.000308153	0.000202111	0.000270878	0.00024598	0.000588887	0.000308153	0.000206805	**4480**	0.000272095
0.000280717	0.000254477	0.000612828	0.000317823	0.000196213	0.000279462	0.000253779	0.0006075	0.000317823	0.000200323	**4481**	0.000280803
0.000275147	0.000249908	0.000594589	0.000308753	0.000193206	0.000272788	0.00024803	0.000589008	0.000308753	0.000197061	**4482**	0.000275354
0.000263099	0.000239772	0.00055835	0.00029029	0.000176177	0.000258808	0.000235825	0.000552363	0.00029029	0.000182322	**4483**	0.000263502
0.000246025	0.000224781	0.000514909	0.000268146	0.000159849	0.00024066	0.00021966	0.000508881	0.000268146	0.000168141	**4484**	0.000246547
0.000228901	0.000209899	0.000469393	0.000245365	0.000146124	0.000222461	0.000203577	0.000463654	0.000245365	0.000154972	**4485**	0.000229476
0.000206542	0.000189907	0.000417095	0.000218561	0.000135606	0.000199818	0.000183207	0.000411986	0.000218561	0.000145182	**4486**	0.000207077
0.000178134	0.000163746	0.000360241	0.000188634	0.00012952	0.000172446	0.000158078	0.000355958	0.000188634	0.000138449	**4487**	0.000178556
0.000154901	0.000142196	0.000315703	0.000165393	0.000125623	0.00015058	0.000137922	0.000312266	0.000165393	0.000134136	**4488**	0.000155192
0.000138909	0.000127256	0.000286402	0.00015028	0.000122175	0.000135906	0.000124337	0.000283671	0.00015028	0.000130266	**4489**	0.000139082
0.000127374	0.000116654	0.000263053	0.000138422	0.000125329	0.000124931	0.000114301	0.000260709	0.000138422	0.000133785	**4490**	0.000127506
0.000121267	0.000111048	0.000250611	0.00013196	0.000133294	0.000119039	0.000108908	0.000248443	0.00013196	0.000142631	**4491**	0.00012138
0.000122313	0.000111953	0.000253428	0.00013336	0.000144344	0.000120167	0.000109902	0.000251267	0.00013336	0.000154877	**4492**	0.000122415
0.000126354	0.000115693	0.000261293	0.000137475	0.000156626	0.000124001	0.000113432	0.000258995	0.000137475	0.000168504	**4493**	0.000126477
0.000133234	0.000122199	0.000272898	0.000144215	0.000164337	0.000130447	0.000119493	0.000270349	0.000144215	0.000177196	**4494**	0.000133428
0.000147271	0.000134725	0.000306061	0.000161492	0.000217947	0.000144779	0.000132388	0.000303038	0.000161492	0.000224271	**4495**	0.000147523
0.000161751	0.00014744	0.000342872	0.000180282	0.000220867	0.000159955	0.000145899	0.00033949	0.000180282	0.000227613	**4496**	0.000162007
0.000176634	0.000160913	0.000375608	0.000197139	0.000223507	0.000174769	0.000159332	0.000371941	0.000197139	0.0002305	**4497**	0.000176889
0.000192072	0.000174891	0.00040952	0.000214542	0.000225129	0.000190098	0.00017323	0.000405545	0.000214542	0.000232274	**4498**	0.000192328
0.000206326	0.000187735	0.000441632	0.000230745	0.000225519	0.000204295	0.000186046	0.000437383	0.000230745	0.000232682	**4499**	0.000206567
0.000220012	0.00019995	0.000473934	0.000247078	0.000217994	0.000218249	0.000198576	0.000469525	0.000247078	0.000226352	**4500**	0.000220208
0.000233756	0.000212308	0.000505212	0.000263135	0.000216952	0.00023213	0.000211111	0.000500604	0.000263135	0.000225207	**4501**	0.00023393
0.000246342	0.000223586	0.000534359	0.000278265	0.000211929	0.000245026	0.000222744	0.00052963	0.000278265	0.000219683	**4502**	0.000246487
0.000260726	0.000236406	0.000568538	0.0002953	0.000211042	0.000259626	0.000235826	0.000563617	0.0002953	0.000216678	**4503**	0.000260819
0.000272015	0.000246573	0.000594023	0.000308153	0.000202111	0.000270878	0.00024598	0.000588887	0.000308153	0.000206805	**4504**	0.000272095
0.000280717	0.000254477	0.000612828	0.000317823	0.000196213	0.000279462	0.000253779	0.0006075	0.000317823	0.000200323	**4505**	0.000280803
0.000275147	0.000249908	0.000594589	0.000308753	0.000193206	0.000272788	0.00024803	0.000589008	0.000308753	0.000197061	**4506**	0.000275354
0.000263099	0.000239772	0.00055835	0.00029029	0.000176177	0.000258808	0.000235825	0.000552363	0.00029029	0.000182322	**4507**	0.000263502
0.000246025	0.000224781	0.000514909	0.000268146	0.000159849	0.00024066	0.00021966	0.000508881	0.000268146	0.000168141	**4508**	0.000246547
0.000228901	0.000209899	0.000469393	0.000245365	0.000146124	0.000222461	0.000203577	0.000463654	0.000245365	0.000154972	**4509**	0.000229476
0.000206542	0.000189907	0.000417095	0.000218561	0.000135606	0.000199818	0.000183207	0.000411986	0.000218561	0.000145182	**4510**	0.000207077
0.000178134	0.000163746	0.000360241	0.000188634	0.00012952	0.000172446	0.000158078	0.000355958	0.000188634	0.000138449	**4511**	0.000178556
0.000154901	0.000142196	0.000315703	0.000165393	0.000125623	0.00015058	0.000137922	0.000312266	0.000165393	0.000134136	**4512**	0.000155192
0.000138909	0.000127256	0.000286402	0.00015028	0.000122175	0.000135906	0.000124337	0.000283671	0.00015028	0.000130266	**4513**	0.000139082
0.000127374	0.000116654	0.000263053	0.000138422	0.000125329	0.000124931	0.000114301	0.000260709	0.000138422	0.000133785	**4514**	0.000127506
0.000121267	0.000111048	0.000250611	0.00013196	0.000133294	0.000119039	0.000108908	0.000248443	0.00013196	0.000142631	**4515**	0.00012138
0.000122313	0.000111953	0.000253428	0.00013336	0.000144344	0.000120167	0.000109902	0.000251267	0.00013336	0.000154877	**4516**	0.000122415
0.000126354	0.000115693	0.000261293	0.000137475	0.000156626	0.000124001	0.000113432	0.000258995	0.000137475	0.000168504	**4517**	0.000126477
0.000133234	0.000122199	0.000272898	0.000144215	0.000164337	0.000130447	0.000119493	0.000270349	0.000144215	0.000177196	**4518**	0.000133428
0.000147271	0.000134725	0.000306061	0.000161492	0.000217947	0.000144779	0.000132388	0.000303038	0.000161492	0.000224271	**4519**	0.000147523
0.000161751	0.00014744	0.000342872	0.000180282	0.000220867	0.000159955	0.000145899	0.00033949	0.000180282	0.000227613	**4520**	0.000162007
0.000176634	0.000160913	0.000375608	0.000197139	0.000223507	0.000174769	0.000159332	0.000371941	0.000197139	0.0002305	**4521**	0.000176889
0.000192072	0.000174891	0.00040952	0.000214542	0.000225129	0.000190098	0.00017323	0.000405545	0.000214542	0.000232274	**4522**	0.000192328
0.000206326	0.000187735	0.000441632	0.000230745	0.000225519	0.000204295	0.000186046	0.000437383	0.000230745	0.000232682	**4523**	0.000206567
0.000220012	0.00019995	0.000473934	0.000247078	0.000217994	0.000218249	0.000198576	0.000469525	0.000247078	0.000226352	**4524**	0.000220208
0.000233756	0.000212308	0.000505212	0.000263135	0.000216952	0.00023213	0.000211111	0.000500604	0.000263135	0.000225207	**4525**	0.00023393
0.000246342	0.000223586	0.000534359	0.000278265	0.000211929	0.000245026	0.000222744	0.00052963	0.000278265	0.000219683	**4526**	0.000246487
0.000260726	0.000236406	0.000568538	0.0002953	0.000211042	0.000259626	0.000235826	0.000563617	0.0002953	0.000216678	**4527**	0.000260819
0.000272015	0.000246573	0.000594023	0.000308153	0.000202111	0.000270878	0.00024598	0.000588887	0.000308153	0.000206805	**4528**	0.000272095
0.000280717	0.000254477	0.000612828	0.000317823	0.000196213	0.000279462	0.000253779	0.0006075	0.000317823	0.000200323	**4529**	0.000280803
0.000275147	0.000249908	0.000594589	0.000308753	0.000193206	0.000272788	0.00024803	0.000589008	0.000308753	0.000197061	**4530**	0.000275354
0.000263099	0.000239772	0.00055835	0.00029029	0.000176177	0.000258808	0.000235825	0.000552363	0.00029029	0.000182322	**4531**	0.000263502
0.000246025	0.000224781	0.000514909	0.000268146	0.000159849	0.00024066	0.00021966	0.000508881	0.000268146	0.000168141	**4532**	0.000246547
0.000228901	0.000209899	0.000469393	0.000245365	0.000146124	0.000222461	0.000203577	0.000463654	0.000245365	0.000154972	**4533**	0.000229476
0.000206542	0.000189907	0.000417095	0.000218561	0.000135606	0.000199818	0.000183207	0.000411986	0.000218561	0.000145182	**4534**	0.000207077
0.000178134	0.000163746	0.000360241	0.000188634	0.00012952	0.000172446	0.000158078	0.000355958	0.000188634	0.000138449	**4535**	0.000178556
0.000154901	0.000142196	0.000315703	0.000165393	0.000125623	0.00015058	0.000137922	0.000312266	0.000165393	0.000134136	**4536**	0.000155192
0.000138909	0.000127256	0.000286402	0.00015028	0.000122175	0.000135906	0.000124337	0.000283671	0.00015028	0.000130266	**4537**	0.000139082
0.000127374	0.000116654	0.000263053	0.000138422	0.000125329	0.000124931	0.000114301	0.000260709	0.000138422	0.000133785	**4538**	0.000127506
0.000121267	0.000111048	0.000250611	0.00013196	0.000133294	0.000119039	0.000108908	0.000248443	0.00013196	0.000142631	**4539**	0.00012138
0.000122313	0.000111953	0.000253428	0.00013336	0.000144344	0.000120167	0.000109902	0.000251267	0.00013336	0.000154877	**4540**	0.000122415
0.000126354	0.000115693	0.000261293	0.000137475	0.000156626	0.000124001	0.000113432	0.000258995	0.000137475	0.000168504	**4541**	0.000126477
0.000133234	0.000122199	0.000272898	0.000144215	0.000164337	0.000130447	0.000119493	0.000270349	0.000144215	0.000177196	**4542**	0.000133428
0.000147271	0.000134725	0.000306061	0.000161492	0.000217947	0.000144779	0.000132388	0.000303038	0.000161492	0.000224271	**4543**	0.000147523
0.000161751	0.00014744	0.000342872	0.000180282	0.000220867	0.000159955	0.000145899	0.00033949	0.000180282	0.000227613	**4544**	0.000162007
0.000176634	0.000160913	0.000375608	0.000197139	0.000223507	0.000174769	0.000159332	0.000371941	0.000197139	0.0002305	**4545**	0.000176889
0.000192072	0.000174891	0.00040952	0.000214542	0.000225129	0.000190098	0.00017323	0.000405545	0.000214542	0.000232274	**4546**	0.000192328
0.000206326	0.000187735	0.000441632	0.000230745	0.000225519	0.000204295	0.000186046	0.000437383	0.000230745	0.000232682	**4547**	0.000206567
0.000220012	0.00019995	0.000473934	0.000247078	0.000217994	0.000218249	0.000198576	0.000469525	0.000247078	0.000226352	**4548**	0.000220208
0.000233756	0.000212308	0.000505212	0.000263135	0.000216952	0.00023213	0.000211111	0.000500604	0.000263135	0.000225207	**4549**	0.00023393
0.000246342	0.000223586	0.000534359	0.000278265	0.000211929	0.000245026	0.000222744	0.00052963	0.000278265	0.000219683	**4550**	0.000246487
0.000260726	0.000236406	0.000568538	0.0002953	0.000211042	0.000259626	0.000235826	0.000563617	0.0002953	0.000216678	**4551**	0.000260819

0.000272015	0.000246573	0.000594023	0.000308153	0.000202111	0.000270878	0.00024598	0.000588887	0.000308153	0.000206805	**4552**	0.000272095
0.000280717	0.000254477	0.000612828	0.000317823	0.000196213	0.000279462	0.000253779	0.0006075	0.000317823	0.000200323	**4553**	0.000280803
0.000275147	0.000249908	0.000594589	0.000308753	0.000193206	0.000272788	0.00024803	0.000589008	0.000308753	0.000197061	**4554**	0.000275354
0.000263099	0.000239772	0.00055835	0.00029029	0.000176177	0.000258808	0.000235825	0.000552363	0.00029029	0.000182322	**4555**	0.000263502
0.000246025	0.000224781	0.000514909	0.000268146	0.000159849	0.00024066	0.00021966	0.000508881	0.000268146	0.000168141	**4556**	0.000246547
0.000228901	0.000209899	0.000469393	0.000245365	0.000146124	0.000222461	0.000203577	0.000463654	0.000245365	0.000154972	**4557**	0.000229476
0.000206542	0.000189907	0.000417095	0.000218561	0.000135606	0.000199818	0.000183207	0.000411986	0.000218561	0.000145182	**4558**	0.000207077
0.000178134	0.000163746	0.000360241	0.000188634	0.00012952	0.000172446	0.000158078	0.000355958	0.000188634	0.000138449	**4559**	0.000178556
0.000154901	0.000142196	0.000315703	0.000165393	0.000125623	0.00015058	0.000137922	0.000312266	0.000165393	0.000134136	**4560**	0.000155192
0.000139516	0.000127798	0.000287832	0.000150992	0.00012158	0.000136519	0.000124886	0.000285092	0.000150992	0.000129608	**4561**	0.000139687
0.000127512	0.000116777	0.000263374	0.000138584	0.000125251	0.000125071	0.000114426	0.000261028	0.000138584	0.000133698	**4562**	0.000127644
0.000121316	0.000111095	0.000250677	0.000132013	0.000133217	0.000119087	0.000108955	0.000248508	0.000132013	0.000142544	**4563**	0.00012143
0.000122814	0.000112406	0.000254539	0.00013394	0.00014419	0.000120671	0.00011036	0.00025237	0.00013394	0.000154704	**4564**	0.000122916
0.000126841	0.000116137	0.000262312	0.000138033	0.000156632	0.000124489	0.000113879	0.000260006	0.000138033	0.00016851	**4565**	0.000126965
0.000133964	0.000122861	0.000274484	0.000145058	0.000164436	0.000131181	0.000120162	0.000271924	0.000145058	0.000177305	**4566**	0.000134158
0.000149464	0.00013695	0.00030785	0.000162506	0.000217964	0.00014648	0.000134084	0.000304812	0.000162506	0.000224287	**4567**	0.000149719
0.000161612	0.000147321	0.000342495	0.000180115	0.000220873	0.000159814	0.000145776	0.000339115	0.000180115	0.000227617	**4568**	0.000161869
0.00017579	0.000160162	0.000373586	0.000196146	0.000223529	0.000173915	0.000158569	0.000369932	0.000196146	0.000230522	**4569**	0.000176048
0.00019161	0.000174479	0.000408435	0.000214	0.000225058	0.000189631	0.000172811	0.000404466	0.000214	0.000232191	**4570**	0.000191867
0.000207119	0.000188452	0.000443389	0.000231664	0.000225395	0.000205094	0.000186771	0.000439127	0.000231664	0.000232541	**4571**	0.000207359
0.000220976	0.000200809	0.000476215	0.000248209	0.000217749	0.000219223	0.000199449	0.000471791	0.000248209	0.000226077	**4572**	0.000221168
0.000234963	0.000213389	0.000508026	0.000264549	0.00021661	0.00023335	0.000212207	0.0005034	0.000264549	0.000224823	**4573**	0.000235135
0.000248519	0.000225533	0.000539452	0.000280814	0.000211656	0.000247224	0.000224717	0.000534691	0.000280814	0.000219372	**4574**	0.000248658
0.000263211	0.000238633	0.000574283	0.000298203	0.000211084	0.000262134	0.000238083	0.000569324	0.000298203	0.000216714	**4575**	0.000263298
0.000274815	0.000249081	0.000600511	0.000311426	0.000202427	0.000273704	0.000248523	0.000595333	0.000311426	0.000207144	**4576**	0.000274888
0.00028503	0.000258345	0.000622764	0.000322858	0.000196507	0.000283813	0.000257698	0.000617371	0.000322858	0.000200636	**4577**	0.000285107
0.000279602	0.000253913	0.000604737	0.000313944	0.000193351	0.00027728	0.000252085	0.000599089	0.000313944	0.000197205	**4578**	0.000279801
0.000267942	0.000244126	0.000569366	0.000295931	0.000176249	0.000263691	0.000240233	0.000563306	0.000295931	0.000182386	**4579**	0.000268337
0.000250475	0.000228781	0.000525048	0.00027333	0.000159899	0.000245147	0.000223711	0.000518952	0.00027333	0.000168179	**4580**	0.000250989
0.000231381	0.000211869	0.000478336	0.000249804	0.000146073	0.000225475	0.000206131	0.000472542	0.000249804	0.000154901	**4581**	0.000231944
0.000210091	0.000193097	0.000425173	0.000222695	0.000135712	0.000203397	0.000186438	0.000420011	0.000222695	0.000145286	**4582**	0.00021062
0.000180739	0.000166094	0.000366101	0.000191662	0.000129757	0.000175071	0.000160453	0.000361779	0.000191662	0.000138699	**4583**	0.000181158
0.000157454	0.000144494	0.000321486	0.000168364	0.000125984	0.000153154	0.000140247	0.000318011	0.000168364	0.000134524	**4584**	0.000157741
0.000139516	0.000127798	0.000287832	0.000150992	0.00012158	0.000136519	0.000124886	0.000285092	0.000150992	0.000129608	**4585**	0.000139687
0.000127512	0.000116777	0.000263374	0.000138584	0.000125251	0.000125071	0.000114426	0.000261028	0.000138584	0.000133698	**4586**	0.000127644
0.000121316	0.000111095	0.000250677	0.000132013	0.000133217	0.000119087	0.000108955	0.000248508	0.000132013	0.000142544	**4587**	0.00012143
0.000122814	0.000112406	0.000254539	0.00013394	0.00014419	0.000120671	0.00011036	0.00025237	0.00013394	0.000154704	**4588**	0.000122916
0.000126841	0.000116137	0.000262312	0.000138033	0.000156632	0.000124489	0.000113879	0.000260006	0.000138033	0.00016851	**4589**	0.000126965
0.000133964	0.000122861	0.000274484	0.000145058	0.000164436	0.000131181	0.000120162	0.000271924	0.000145058	0.000177305	**4590**	0.000134158
0.000149464	0.00013695	0.00030785	0.000162506	0.000217964	0.00014648	0.000134084	0.000304812	0.000162506	0.000224287	**4591**	0.000149719
0.000161612	0.000147321	0.000342495	0.000180115	0.000220873	0.000159814	0.000145776	0.000339115	0.000180115	0.000227617	**4592**	0.000161869
0.00017579	0.000160162	0.000373586	0.000196146	0.000223529	0.000173915	0.000158569	0.000369932	0.000196146	0.000230522	**4593**	0.000176048
0.00019161	0.000174479	0.000408435	0.000214	0.000225058	0.000189631	0.000172811	0.000404466	0.000214	0.000232191	**4594**	0.000191867
0.000207119	0.000188452	0.000443389	0.000231664	0.000225395	0.000205094	0.000186771	0.000439127	0.000231664	0.000232541	**4595**	0.000207359
0.000220976	0.000200809	0.000476215	0.000248209	0.000217749	0.000219223	0.000199449	0.000471791	0.000248209	0.000226077	**4596**	0.000221168
0.000234963	0.000213389	0.000508026	0.000264549	0.00021661	0.00023335	0.000212207	0.0005034	0.000264549	0.000224823	**4597**	0.000235135
0.000248519	0.000225533	0.000539452	0.000280814	0.000211656	0.000247224	0.000224717	0.000534691	0.000280814	0.000219372	**4598**	0.000248658
0.000263211	0.000238633	0.000574283	0.000298203	0.000211084	0.000262134	0.000238083	0.000569324	0.000298203	0.000216714	**4599**	0.000263298
0.000274815	0.000249081	0.000600511	0.000311426	0.000202427	0.000273704	0.000248523	0.000595333	0.000311426	0.000207144	**4600**	0.000274888
0.00028503	0.000258345	0.000622764	0.000322858	0.000196507	0.000283813	0.000257698	0.000617371	0.000322858	0.000200636	**4601**	0.000285107
0.000279602	0.000253913	0.000604737	0.000313944	0.000193351	0.00027728	0.000252085	0.000599089	0.000313944	0.000197205	**4602**	0.000279801
0.000267942	0.000244126	0.000569366	0.000295931	0.000176249	0.000263691	0.000240233	0.000563306	0.000295931	0.000182386	**4603**	0.000268337
0.000250475	0.000228781	0.000525048	0.00027333	0.000159899	0.000245147	0.000223711	0.000518952	0.00027333	0.000168179	**4604**	0.000250989
0.000231381	0.000211869	0.000478336	0.000249804	0.000146073	0.000225475	0.000206131	0.000472542	0.000249804	0.000154901	**4605**	0.000231944
0.000210091	0.000193097	0.000425173	0.000222695	0.000135712	0.000203397	0.000186438	0.000420011	0.000222695	0.000145286	**4606**	0.00021062
0.000180739	0.000166094	0.000366101	0.000191662	0.000129757	0.000175071	0.000160453	0.000361779	0.000191662	0.000138699	**4607**	0.000181158
0.000157454	0.000144494	0.000321486	0.000168364	0.000125984	0.000153154	0.000140247	0.000318011	0.000168364	0.000134524	**4608**	0.000157741
0.000138909	0.000127256	0.000286402	0.00015028	0.000122175	0.000135906	0.000124337	0.000283671	0.00015028	0.000130266	**4609**	0.000139082
0.000127374	0.000116654	0.000263053	0.000138422	0.000125329	0.000124931	0.000114301	0.000260709	0.000138422	0.000133785	**4610**	0.000127506
0.000121267	0.000111048	0.000250611	0.00013196	0.000133294	0.000119039	0.000108908	0.000248443	0.00013196	0.000142631	**4611**	0.00012138
0.000122313	0.000111953	0.000253428	0.00013336	0.000144344	0.000120167	0.000109902	0.000251267	0.00013336	0.000154877	**4612**	0.000122415
0.000126354	0.000115693	0.000261293	0.000137475	0.000156626	0.000124001	0.000113432	0.000258995	0.000137475	0.000168504	**4613**	0.000126477
0.000133234	0.000122199	0.000272898	0.000144215	0.000164337	0.000130447	0.000119493	0.000270349	0.000144215	0.000177196	**4614**	0.000133428
0.000147271	0.000134725	0.000306061	0.000161492	0.000217947	0.000144779	0.000132388	0.000303038	0.000161492	0.000224271	**4615**	0.000147523
0.000161751	0.00014744	0.000342872	0.000180282	0.000220867	0.000159955	0.000145899	0.00033949	0.000180282	0.000227613	**4616**	0.000162007
0.000176634	0.000160913	0.000375608	0.000197139	0.000223507	0.000174769	0.000159332	0.000371941	0.000197139	0.0002305	**4617**	0.000176889
0.000192072	0.000174891	0.00040952	0.000214542	0.000225129	0.000190098	0.00017323	0.000405545	0.000214542	0.000232274	**4618**	0.000192328
0.000206326	0.000187735	0.000441632	0.000230745	0.000225519	0.000204295	0.000186046	0.000437383	0.000230745	0.000232682	**4619**	0.000206567
0.000220012	0.00019995	0.000473934	0.000247078	0.000217994	0.000218249	0.000198576	0.000469525	0.000247078	0.000226352	**4620**	0.000220208
0.000233756	0.000212308	0.000505212	0.000263135	0.000216952	0.00023213	0.000211111	0.000500604	0.000263135	0.000225207	**4621**	0.00023393
0.000246342	0.000223586	0.000534359	0.000278265	0.000211929	0.000245026	0.000222744	0.00052963	0.000278265	0.000219683	**4622**	0.000246487
0.000260726	0.000236406	0.000568538	0.00029953	0.000211042	0.000259626	0.000235826	0.000563617	0.00029953	0.000216678	**4623**	0.000260819
0.000272015	0.000246573	0.000594023	0.000308153	0.000202111	0.000270878	0.00024598	0.000588887	0.000308153	0.000206805	**4624**	0.000272095
0.000280717	0.000254477	0.000612828	0.000317823	0.000196213	0.000279462	0.000253779	0.0006075	0.000317823	0.000200323	**4625**	0.000280803
0.000275147	0.000249908	0.000594589	0.000308753	0.000193206	0.000272788	0.00024803	0.000589008	0.000308753	0.000197061	**4626**	0.000275354
0.000263099	0.000239772	0.00055835	0.00029029	0.000176177	0.000258808	0.000235825	0.000552363	0.00029029	0.000182322	**4627**	0.000263502

0.000246025	0.000224781	0.000514909	0.000268146	0.000159849	0.00024066	0.00021966	0.000508881	0.000268146	0.000168141	**4628**	0.000246547
0.000228901	0.000209899	0.000469393	0.000245365	0.000146124	0.000222461	0.000203577	0.000463654	0.000245365	0.000154972	**4629**	0.000229476
0.000206542	0.000189907	0.000417095	0.000218561	0.000135606	0.000199818	0.000183207	0.000411986	0.000218561	0.000145182	**4630**	0.000207077
0.000178134	0.000163746	0.000360241	0.000188634	0.00012952	0.000172446	0.000158078	0.000355958	0.000188634	0.000138449	**4631**	0.000178556
0.000154901	0.000142196	0.000315703	0.000165393	0.000125623	0.00015058	0.000137922	0.000312266	0.000165393	0.000134136	**4632**	0.000155192
0.000138909	0.000127256	0.000286402	0.00015028	0.000122175	0.000135906	0.000124337	0.000283671	0.00015028	0.000130266	**4633**	0.000139082
0.000127374	0.000116654	0.000263053	0.000138422	0.000125329	0.000124931	0.000114301	0.000260709	0.000138422	0.000133785	**4634**	0.000127506
0.000121267	0.000111048	0.000250611	0.00013196	0.000133294	0.000119039	0.000108908	0.000248443	0.00013196	0.000142631	**4635**	0.00012138
0.000122313	0.000111953	0.000253428	0.00013336	0.000144344	0.000120167	0.000109902	0.000251267	0.00013336	0.000154877	**4636**	0.000122415
0.000126354	0.000115693	0.000261293	0.000137475	0.000156626	0.000124001	0.000113432	0.000258995	0.000137475	0.000168504	**4637**	0.000126477
0.000133234	0.000122199	0.000272898	0.000144215	0.000164337	0.000130447	0.000119493	0.000270349	0.000144215	0.000177196	**4638**	0.000133428
0.000147271	0.000134725	0.000306061	0.000161492	0.000217947	0.000144779	0.000132388	0.000303038	0.000161492	0.000224271	**4639**	0.000147523
0.000161751	0.00014744	0.000342872	0.000180282	0.000220867	0.000159955	0.000145899	0.00033949	0.000180282	0.000227613	**4640**	0.000162007
0.000176634	0.000160913	0.000375608	0.000197139	0.000223507	0.000174769	0.000159332	0.000371941	0.000197139	0.0002305	**4641**	0.000176889
0.000192072	0.000174891	0.00040952	0.000214542	0.000225129	0.000190098	0.00017323	0.000405545	0.000214542	0.000232274	**4642**	0.000192328
0.000206326	0.000187735	0.000441632	0.000230745	0.000225519	0.000204295	0.000186046	0.000437383	0.000230745	0.000232682	**4643**	0.000206567
0.000220012	0.00019995	0.000473934	0.000247078	0.000217994	0.000218249	0.000198576	0.000469525	0.000247078	0.000226352	**4644**	0.000220208
0.000233756	0.000212308	0.000505212	0.000263135	0.000216952	0.00023213	0.000211111	0.000500604	0.000263135	0.000225207	**4645**	0.00023393
0.000246342	0.000223586	0.000534359	0.000278265	0.000211929	0.000245026	0.000222744	0.00052963	0.000278265	0.000219683	**4646**	0.000246487
0.000260726	0.000236406	0.000568538	0.0002953	0.000211042	0.000259626	0.000235826	0.000563617	0.0002953	0.000216678	**4647**	0.000260819
0.000272015	0.000246573	0.000594023	0.000308153	0.000202111	0.000270878	0.00024598	0.000588887	0.000308153	0.000206805	**4648**	0.000272095
0.000280717	0.000254477	0.000612828	0.000317823	0.000196213	0.000279462	0.000253779	0.0006075	0.000317823	0.000200323	**4649**	0.000280803
0.000275147	0.000249908	0.000594589	0.000308753	0.000193206	0.000272788	0.00024803	0.000589008	0.000308753	0.000197061	**4650**	0.000275354
0.000263099	0.000239772	0.00055835	0.00029029	0.000176177	0.000258808	0.000235825	0.000552363	0.00029029	0.000182322	**4651**	0.000263502
0.000246025	0.000224781	0.000514909	0.000268146	0.000159849	0.00024066	0.00021966	0.000508881	0.000268146	0.000168141	**4652**	0.000246547
0.000228901	0.000209899	0.000469393	0.000245365	0.000146124	0.000222461	0.000203577	0.000463654	0.000245365	0.000154972	**4653**	0.000229476
0.000206542	0.000189907	0.000417095	0.000218561	0.000135606	0.000199818	0.000183207	0.000411986	0.000218561	0.000145182	**4654**	0.000207077
0.000178134	0.000163746	0.000360241	0.000188634	0.00012952	0.000172446	0.000158078	0.000355958	0.000188634	0.000138449	**4655**	0.000178556
0.000154901	0.000142196	0.000315703	0.000165393	0.000125623	0.00015058	0.000137922	0.000312266	0.000165393	0.000134136	**4656**	0.000155192
0.000138909	0.000127256	0.000286402	0.00015028	0.000122175	0.000135906	0.000124337	0.000283671	0.00015028	0.000130266	**4657**	0.000139082
0.000127374	0.000116654	0.000263053	0.000138422	0.000125329	0.000124931	0.000114301	0.000260709	0.000138422	0.000133785	**4658**	0.000127506
0.000121267	0.000111048	0.000250611	0.00013196	0.000133294	0.000119039	0.000108908	0.000248443	0.00013196	0.000142631	**4659**	0.00012138
0.000122313	0.000111953	0.000253428	0.00013336	0.000144344	0.000120167	0.000109902	0.000251267	0.00013336	0.000154877	**4660**	0.000122415
0.000126354	0.000115693	0.000261293	0.000137475	0.000156626	0.000124001	0.000113432	0.000258995	0.000137475	0.000168504	**4661**	0.000126477
0.000133234	0.000122199	0.000272898	0.000144215	0.000164337	0.000130447	0.000119493	0.000270349	0.000144215	0.000177196	**4662**	0.000133428
0.000147271	0.000134725	0.000306061	0.000161492	0.000217947	0.000144779	0.000132388	0.000303038	0.000161492	0.000224271	**4663**	0.000147523
0.000161751	0.00014744	0.000342872	0.000180282	0.000220867	0.000159955	0.000145899	0.00033949	0.000180282	0.000227613	**4664**	0.000162007
0.000176634	0.000160913	0.000375608	0.000197139	0.000223507	0.000174769	0.000159332	0.000371941	0.000197139	0.0002305	**4665**	0.000176889
0.000192072	0.000174891	0.00040952	0.000214542	0.000225129	0.000190098	0.00017323	0.000405545	0.000214542	0.000232274	**4666**	0.000192328
0.000206326	0.000187735	0.000441632	0.000230745	0.000225519	0.000204295	0.000186046	0.000437383	0.000230745	0.000232682	**4667**	0.000206567
0.000220012	0.00019995	0.000473934	0.000247078	0.000217994	0.000218249	0.000198576	0.000469525	0.000247078	0.000226352	**4668**	0.000220208
0.000233756	0.000212308	0.000505212	0.000263135	0.000216952	0.00023213	0.000211111	0.000500604	0.000263135	0.000225207	**4669**	0.00023393
0.000246342	0.000223586	0.000534359	0.000278265	0.000211929	0.000245026	0.000222744	0.00052963	0.000278265	0.000219683	**4670**	0.000246487
0.000260726	0.000236406	0.000568538	0.0002953	0.000211042	0.000259626	0.000235826	0.000563617	0.0002953	0.000216678	**4671**	0.000260819
0.000272015	0.000246573	0.000594023	0.000308153	0.000202111	0.000270878	0.00024598	0.000588887	0.000308153	0.000206805	**4672**	0.000272095
0.000280717	0.000254477	0.000612828	0.000317823	0.000196213	0.000279462	0.000253779	0.0006075	0.000317823	0.000200323	**4673**	0.000280803
0.000275147	0.000249908	0.000594589	0.000308753	0.000193206	0.000272788	0.00024803	0.000589008	0.000308753	0.000197061	**4674**	0.000275354
0.000263099	0.000239772	0.00055835	0.00029029	0.000176177	0.000258808	0.000235825	0.000552363	0.00029029	0.000182322	**4675**	0.000263502
0.000246025	0.000224781	0.000514909	0.000268146	0.000159849	0.00024066	0.00021966	0.000508881	0.000268146	0.000168141	**4676**	0.000246547
0.000228901	0.000209899	0.000469393	0.000245365	0.000146124	0.000222461	0.000203577	0.000463654	0.000245365	0.000154972	**4677**	0.000229476
0.000206542	0.000189907	0.000417095	0.000218561	0.000135606	0.000199818	0.000183207	0.000411986	0.000218561	0.000145182	**4678**	0.000207077
0.000178134	0.000163746	0.000360241	0.000188634	0.00012952	0.000172446	0.000158078	0.000355958	0.000188634	0.000138449	**4679**	0.000178556
0.000154901	0.000142196	0.000315703	0.000165393	0.000125623	0.00015058	0.000137922	0.000312266	0.000165393	0.000134136	**4680**	0.000155192
0.000138909	0.000127256	0.000286402	0.00015028	0.000122175	0.000135906	0.000124337	0.000283671	0.00015028	0.000130266	**4681**	0.000139082
0.000127374	0.000116654	0.000263053	0.000138422	0.000125329	0.000124931	0.000114301	0.000260709	0.000138422	0.000133785	**4682**	0.000127506
0.000121267	0.000111048	0.000250611	0.00013196	0.000133294	0.000119039	0.000108908	0.000248443	0.00013196	0.000142631	**4683**	0.00012138
0.000122313	0.000111953	0.000253428	0.00013336	0.000144344	0.000120167	0.000109902	0.000251267	0.00013336	0.000154877	**4684**	0.000122415
0.000126354	0.000115693	0.000261293	0.000137475	0.000156626	0.000124001	0.000113432	0.000258995	0.000137475	0.000168504	**4685**	0.000126477
0.000133234	0.000122199	0.000272898	0.000144215	0.000164337	0.000130447	0.000119493	0.000270349	0.000144215	0.000177196	**4686**	0.000133428
0.000147271	0.000134725	0.000306061	0.000161492	0.000217947	0.000144779	0.000132388	0.000303038	0.000161492	0.000224271	**4687**	0.000147523
0.000161751	0.00014744	0.000342872	0.000180282	0.000220867	0.000159955	0.000145899	0.00033949	0.000180282	0.000227613	**4688**	0.000162007
0.000176634	0.000160913	0.000375608	0.000197139	0.000223507	0.000174769	0.000159332	0.000371941	0.000197139	0.0002305	**4689**	0.000176889
0.000192072	0.000174891	0.00040952	0.000214542	0.000225129	0.000190098	0.00017323	0.000405545	0.000214542	0.000232274	**4690**	0.000192328
0.000206326	0.000187735	0.000441632	0.000230745	0.000225519	0.000204295	0.000186046	0.000437383	0.000230745	0.000232682	**4691**	0.000206567
0.000220012	0.00019995	0.000473934	0.000247078	0.000217994	0.000218249	0.000198576	0.000469525	0.000247078	0.000226352	**4692**	0.000220208
0.000233756	0.000212308	0.000505212	0.000263135	0.000216952	0.00023213	0.000211111	0.000500604	0.000263135	0.000225207	**4693**	0.00023393
0.000246342	0.000223586	0.000534359	0.000278265	0.000211929	0.000245026	0.000222744	0.00052963	0.000278265	0.000219683	**4694**	0.000246487
0.000260726	0.000236406	0.000568538	0.0002953	0.000211042	0.000259626	0.000235826	0.000563617	0.0002953	0.000216678	**4695**	0.000260819
0.000272015	0.000246573	0.000594023	0.000308153	0.000202111	0.000270878	0.00024598	0.000588887	0.000308153	0.000206805	**4696**	0.000272095
0.000280717	0.000254477	0.000612828	0.000317823	0.000196213	0.000279462	0.000253779	0.0006075	0.000317823	0.000200323	**4697**	0.000280803
0.000275147	0.000249908	0.000594589	0.000308753	0.000193206	0.000272788	0.00024803	0.000589008	0.000308753	0.000197061	**4698**	0.000275354
0.000263099	0.000239772	0.00055835	0.00029029	0.000176177	0.000258808	0.000235825	0.000552363	0.00029029	0.000182322	**4699**	0.000263502
0.000246025	0.000224781	0.000514909	0.000268146	0.000159849	0.00024066	0.00021966	0.000508881	0.000268146	0.000168141	**4700**	0.000246547
0.000228901	0.000209899	0.000469393	0.000245365	0.000146124	0.000222461	0.000203577	0.000463654	0.000245365	0.000154972	**4701**	0.000229476
0.000206542	0.000189907	0.000417095	0.000218561	0.000135606	0.000199818	0.000183207	0.000411986	0.000218561	0.000145182	**4702**	0.000207077
0.000178134	0.000163746	0.000360241	0.000188634	0.00012952	0.000172446	0.000158078	0.000355958	0.000188634	0.000138449	**4703**	0.000178556

0.000154901	0.000142196	0.000315703	0.000165393	0.000125623	0.00015058	0.000137922	0.000312266	0.000165393	0.000134136	**4704**	0.000155192
0.000138909	0.000127256	0.000286402	0.00015028	0.000122175	0.000135906	0.000124337	0.000283671	0.00015028	0.000130266	**4705**	0.000139082
0.000127374	0.000116654	0.000263053	0.000138422	0.000125329	0.000124931	0.000114301	0.000260709	0.000138422	0.000133785	**4706**	0.000127506
0.000121267	0.000111048	0.000250611	0.00013196	0.000133294	0.000119039	0.000108908	0.000248443	0.00013196	0.000142631	**4707**	0.00012138
0.000122313	0.000111953	0.000253428	0.00013336	0.000144344	0.000120167	0.000109902	0.000251267	0.00013336	0.000154877	**4708**	0.000122415
0.000126354	0.000115693	0.000261293	0.000137475	0.000156626	0.000124001	0.000113432	0.000258995	0.000137475	0.000168504	**4709**	0.000126477
0.000133234	0.000122199	0.000272898	0.000144215	0.000164337	0.000130447	0.000119493	0.000270349	0.000144215	0.000177196	**4710**	0.000133428
0.000147271	0.000134725	0.000306061	0.000161492	0.000217947	0.000144779	0.000132388	0.000303038	0.000161492	0.000224271	**4711**	0.000147523
0.000161751	0.00014744	0.000342872	0.000180282	0.000220867	0.000159955	0.000145899	0.00033949	0.000180282	0.000227613	**4712**	0.000162007
0.000176634	0.000160913	0.000375608	0.000197139	0.000223507	0.000174769	0.000159332	0.000371941	0.000197139	0.0002305	**4713**	0.000176889
0.000192072	0.000174891	0.00040952	0.000214542	0.000225129	0.000190098	0.00017323	0.000405545	0.000214542	0.000232274	**4714**	0.000192328
0.000206326	0.000187735	0.000441632	0.000230745	0.000225519	0.000204295	0.000186046	0.000437383	0.000230745	0.000232682	**4715**	0.000206567
0.000220012	0.00019995	0.000473934	0.000247078	0.000217994	0.000218249	0.000198576	0.000469525	0.000247078	0.000226352	**4716**	0.000220208
0.000233756	0.000212308	0.000505212	0.000263135	0.000216952	0.00023213	0.000211111	0.000500604	0.000263135	0.000225207	**4717**	0.00023393
0.000246342	0.000223586	0.000534359	0.000278265	0.000211929	0.000245026	0.000222744	0.00052963	0.000278265	0.000219683	**4718**	0.000246487
0.000260726	0.000236406	0.000568538	0.0002953	0.000211042	0.000259626	0.000235826	0.000563617	0.0002953	0.000216678	**4719**	0.000260819
0.000272015	0.000246573	0.000594023	0.000308153	0.000202111	0.000270878	0.00024598	0.000588887	0.000308153	0.000206805	**4720**	0.000272095
0.000280717	0.000254477	0.000612828	0.000317823	0.000196213	0.000279462	0.000253779	0.0006075	0.000317823	0.000200323	**4721**	0.000280803
0.000275147	0.000249908	0.000594589	0.000308753	0.000193206	0.000272788	0.00024803	0.000589008	0.000308753	0.000197061	**4722**	0.000275354
0.000263099	0.000239772	0.00055835	0.00029029	0.000176177	0.000258808	0.000235825	0.000552363	0.00029029	0.000182322	**4723**	0.000263502
0.000246025	0.000224781	0.000514909	0.000268146	0.000159849	0.00024066	0.00021966	0.000508881	0.000268146	0.000168141	**4724**	0.000246547
0.000228901	0.000209899	0.000469393	0.000245365	0.000146124	0.000222461	0.000203577	0.000463654	0.000245365	0.000154972	**4725**	0.000229476
0.000206542	0.000189907	0.000417095	0.000218561	0.000135606	0.000199818	0.000183207	0.000411986	0.000218561	0.000145182	**4726**	0.000207077
0.000178134	0.000163746	0.000360241	0.000188634	0.00012952	0.000172446	0.000158078	0.000355958	0.000188634	0.000138449	**4727**	0.000178556
0.000154901	0.000142196	0.000315703	0.000165393	0.000125623	0.00015058	0.000137922	0.000312266	0.000165393	0.000134136	**4728**	0.000155192
0.000139516	0.000127798	0.000287832	0.000150992	0.00012158	0.000136519	0.000124886	0.000285092	0.000150992	0.000129608	**4729**	0.000139687
0.000127512	0.000116777	0.000263374	0.000138584	0.000125251	0.000125071	0.000114426	0.000261028	0.000138584	0.000133698	**4730**	0.000127644
0.000121316	0.000111095	0.000250677	0.000132013	0.000133217	0.000119087	0.000108955	0.000248508	0.000132013	0.000142544	**4731**	0.00012143
0.000122814	0.000112406	0.000254539	0.00013394	0.00014419	0.000120671	0.00011036	0.00025237	0.00013394	0.000154704	**4732**	0.000122916
0.000126841	0.000116137	0.000262312	0.000138033	0.000156632	0.000124489	0.000113879	0.000260006	0.000138033	0.00016851	**4733**	0.000126965
0.000133964	0.000122861	0.000274484	0.000145058	0.000164436	0.000131181	0.000120162	0.000271924	0.000145058	0.000177305	**4734**	0.000134158
0.000149464	0.00013695	0.00030785	0.000162506	0.000217964	0.00014648	0.000134084	0.000304812	0.000162506	0.000224287	**4735**	0.000149719
0.000161612	0.000147321	0.000342495	0.000180115	0.000220873	0.000159814	0.000145776	0.000339115	0.000180115	0.000227617	**4736**	0.000161869
0.00017579	0.000160162	0.000373586	0.000196146	0.000223529	0.000173915	0.000158569	0.000369932	0.000196146	0.000230522	**4737**	0.000176048
0.00019161	0.000174479	0.000408435	0.000214	0.000225058	0.000189631	0.000172811	0.000404466	0.000214	0.000232191	**4738**	0.000191867
0.000207119	0.000188452	0.000443389	0.000231664	0.000225395	0.000205094	0.000186771	0.000439127	0.000231664	0.000232541	**4739**	0.000207359
0.000220976	0.000200809	0.000476215	0.000248209	0.000217749	0.000219223	0.000199449	0.000471791	0.000248209	0.000226077	**4740**	0.000221168
0.000234963	0.000213389	0.000508026	0.000264549	0.00021661	0.00023335	0.000212207	0.0005034	0.000264549	0.000224823	**4741**	0.000235135
0.000248519	0.000225533	0.000539452	0.000280814	0.000211656	0.000247224	0.000224717	0.000534691	0.000280814	0.000219372	**4742**	0.000248658
0.000263211	0.000238633	0.000574283	0.000298203	0.000211084	0.000262134	0.000238083	0.000569324	0.000298203	0.000216714	**4743**	0.000263298
0.000274815	0.000249081	0.000600511	0.000311426	0.000202427	0.000273704	0.000248523	0.000595333	0.000311426	0.000207144	**4744**	0.000274888
0.00028503	0.000258345	0.000622764	0.000322858	0.000196507	0.000283813	0.000257698	0.000617371	0.000322858	0.000200636	**4745**	0.000285107
0.000279602	0.000253913	0.000604737	0.000313944	0.000193351	0.00027728	0.000252085	0.000599089	0.000313944	0.000197205	**4746**	0.000279801
0.000267942	0.000244126	0.000569366	0.000295931	0.000176249	0.000263691	0.000240233	0.000563306	0.000295931	0.000182386	**4747**	0.000268337
0.000250475	0.000228781	0.000525048	0.00027333	0.000159899	0.000245147	0.000223711	0.000518952	0.00027333	0.000168179	**4748**	0.000250989
0.000231381	0.000211869	0.000478336	0.000249804	0.000146073	0.000225475	0.000206131	0.000472542	0.000249804	0.000154901	**4749**	0.000231944
0.000210091	0.000193097	0.000425173	0.000222695	0.000135712	0.000203397	0.000186438	0.000420011	0.000222695	0.000145286	**4750**	0.00021062
0.000180739	0.000166094	0.000366101	0.000191662	0.000129757	0.000175071	0.000160453	0.000361779	0.000191662	0.000138699	**4751**	0.000181158
0.000157454	0.000144494	0.000321486	0.000168364	0.000125984	0.000153154	0.000140247	0.000318011	0.000168364	0.000134524	**4752**	0.000157741
0.000139516	0.000127798	0.000287832	0.000150992	0.00012158	0.000136519	0.000124886	0.000285092	0.000150992	0.000129608	**4753**	0.000139687
0.000127512	0.000116777	0.000263374	0.000138584	0.000125251	0.000125071	0.000114426	0.000261028	0.000138584	0.000133698	**4754**	0.000127644
0.000121316	0.000111095	0.000250677	0.000132013	0.000133217	0.000119087	0.000108955	0.000248508	0.000132013	0.000142544	**4755**	0.00012143
0.000122814	0.000112406	0.000254539	0.00013394	0.00014419	0.000120671	0.00011036	0.00025237	0.00013394	0.000154704	**4756**	0.000122916
0.000126841	0.000116137	0.000262312	0.000138033	0.000156632	0.000124489	0.000113879	0.000260006	0.000138033	0.00016851	**4757**	0.000126965
0.000133964	0.000122861	0.000274484	0.000145058	0.000164436	0.000131181	0.000120162	0.000271924	0.000145058	0.000177305	**4758**	0.000134158
0.000149464	0.00013695	0.00030785	0.000162506	0.000217964	0.00014648	0.000134084	0.000304812	0.000162506	0.000224287	**4759**	0.000149719
0.000161612	0.000147321	0.000342495	0.000180115	0.000220873	0.000159814	0.000145776	0.000339115	0.000180115	0.000227617	**4760**	0.000161869
0.00017579	0.000160162	0.000373586	0.000196146	0.000223529	0.000173915	0.000158569	0.000369932	0.000196146	0.000230522	**4761**	0.000176048
0.00019161	0.000174479	0.000408435	0.000214	0.000225058	0.000189631	0.000172811	0.000404466	0.000214	0.000232191	**4762**	0.000191867
0.000207119	0.000188452	0.000443389	0.000231664	0.000225395	0.000205094	0.000186771	0.000439127	0.000231664	0.000232541	**4763**	0.000207359
0.000220976	0.000200809	0.000476215	0.000248209	0.000217749	0.000219223	0.000199449	0.000471791	0.000248209	0.000226077	**4764**	0.000221168
0.000234963	0.000213389	0.000508026	0.000264549	0.00021661	0.00023335	0.000212207	0.0005034	0.000264549	0.000224823	**4765**	0.000235135
0.000248519	0.000225533	0.000539452	0.000280814	0.000211656	0.000247224	0.000224717	0.000534691	0.000280814	0.000219372	**4766**	0.000248658
0.000263211	0.000238633	0.000574283	0.000298203	0.000211084	0.000262134	0.000238083	0.000569324	0.000298203	0.000216714	**4767**	0.000263298
0.000274815	0.000249081	0.000600511	0.000311426	0.000202427	0.000273704	0.000248523	0.000595333	0.000311426	0.000207144	**4768**	0.000274888
0.00028503	0.000258345	0.000622764	0.000322858	0.000196507	0.000283813	0.000257698	0.000617371	0.000322858	0.000200636	**4769**	0.000285107
0.000279602	0.000253913	0.000604737	0.000313944	0.000193351	0.00027728	0.000252085	0.000599089	0.000313944	0.000197205	**4770**	0.000279801
0.000267942	0.000244126	0.000569366	0.000295931	0.000176249	0.000263691	0.000240233	0.000563306	0.000295931	0.000182386	**4771**	0.000268337
0.000250475	0.000228781	0.000525048	0.00027333	0.000159899	0.000245147	0.000223711	0.000518952	0.00027333	0.000168179	**4772**	0.000250989
0.000231381	0.000211869	0.000478336	0.000249804	0.000146073	0.000225475	0.000206131	0.000472542	0.000249804	0.000154901	**4773**	0.000231944
0.000210091	0.000193097	0.000425173	0.000222695	0.000135712	0.000203397	0.000186438	0.000420011	0.000222695	0.000145286	**4774**	0.00021062
0.000180739	0.000166094	0.000366101	0.000191662	0.000129757	0.000175071	0.000160453	0.000361779	0.000191662	0.000138699	**4775**	0.000181158
0.000157454	0.000144494	0.000321486	0.000168364	0.000125984	0.000153154	0.000140247	0.000318011	0.000168364	0.000134524	**4776**	0.000157741
0.000138909	0.000127256	0.000286402	0.00015028	0.000122175	0.000135906	0.000124337	0.000283671	0.00015028	0.000130266	**4777**	0.000139082
0.000127374	0.000116654	0.000263053	0.000138422	0.000125329	0.000124931	0.000114301	0.000260709	0.000138422	0.000133785	**4778**	0.000127506
0.000121267	0.000111048	0.000250611	0.00013196	0.000133294	0.000119039	0.000108908	0.000248443	0.00013196	0.000142631	**4779**	0.00012138

0.000122313	0.000111953	0.000253428	0.00013336	0.000144344	0.000120167	0.000109902	0.000251267	0.00013336	0.000154877	**4780**	0.000122415
0.000126354	0.000115693	0.000261293	0.000137475	0.000156626	0.000124001	0.000113432	0.000258995	0.000137475	0.000168504	**4781**	0.000126477
0.000133234	0.000122199	0.000272898	0.000144215	0.000164337	0.000130447	0.000119493	0.000270349	0.000144215	0.000177196	**4782**	0.000133428
0.000147271	0.000134725	0.000306061	0.000161492	0.000217947	0.000144779	0.000132388	0.000303038	0.000161492	0.000224271	**4783**	0.000147523
0.000161751	0.00014744	0.000342872	0.000180282	0.000220867	0.000159955	0.000145899	0.00033949	0.000180282	0.000227613	**4784**	0.000162007
0.000176634	0.000160913	0.000375608	0.000197139	0.000223507	0.000174769	0.000159332	0.000371941	0.000197139	0.0002305	**4785**	0.000176889
0.000192072	0.000174891	0.00040952	0.000214542	0.000225129	0.000190098	0.00017323	0.000405545	0.000214542	0.000232274	**4786**	0.000192328
0.000206326	0.000187735	0.000441632	0.000230745	0.000225519	0.000204295	0.000186046	0.000437383	0.000230745	0.000232682	**4787**	0.000206567
0.000220012	0.00019995	0.000473934	0.000247078	0.000217994	0.000218249	0.000198576	0.000469525	0.000247078	0.000226352	**4788**	0.000220208
0.000233756	0.000212308	0.000505212	0.000263135	0.000216952	0.00023213	0.000211111	0.000500604	0.000263135	0.000225207	**4789**	0.00023393
0.000246342	0.000223586	0.000534359	0.000278265	0.000211929	0.000245026	0.000222744	0.00052963	0.000278265	0.000219683	**4790**	0.000246487
0.000260726	0.000236406	0.000568538	0.0002953	0.000211042	0.000259626	0.000235826	0.000563617	0.0002953	0.000216678	**4791**	0.000260819
0.000272015	0.000246573	0.000594023	0.000308153	0.000202111	0.000270878	0.00024598	0.000588887	0.000308153	0.000206805	**4792**	0.000272095
0.000280717	0.000254477	0.000612828	0.000317823	0.000196213	0.000279462	0.000253779	0.0006075	0.000317823	0.000200323	**4793**	0.000280803
0.000275147	0.000249908	0.000594589	0.000308753	0.000193206	0.000272788	0.00024803	0.000589008	0.000308753	0.000197061	**4794**	0.000275354
0.000263099	0.000239772	0.00055835	0.00029029	0.000176177	0.000258808	0.000235825	0.000552363	0.00029029	0.000182322	**4795**	0.000263502
0.000246025	0.000224781	0.000514909	0.000268146	0.000159849	0.00024066	0.00021966	0.000508881	0.000268146	0.000168141	**4796**	0.000246547
0.000228901	0.000209899	0.000469393	0.000245365	0.000146124	0.000222461	0.000203577	0.000463654	0.000245365	0.000154972	**4797**	0.000229476
0.000206542	0.000189907	0.000417095	0.000218561	0.000135606	0.000199818	0.000183207	0.000411986	0.000218561	0.000145182	**4798**	0.000207077
0.000178134	0.000163746	0.000360241	0.000188634	0.00012952	0.000172446	0.000158078	0.000355958	0.000188634	0.000138449	**4799**	0.000178556
0.000154901	0.000142196	0.000315703	0.000165393	0.000125623	0.00015058	0.000137922	0.000312266	0.000165393	0.000134136	**4800**	0.000155192
0.000138909	0.000127256	0.000286402	0.00015028	0.000122175	0.000135906	0.000124337	0.000283671	0.00015028	0.000130266	**4801**	0.000139082
0.000127374	0.000116654	0.000263053	0.000138422	0.000125329	0.000124931	0.000114301	0.000260709	0.000138422	0.000133785	**4802**	0.000127506
0.000121267	0.000111048	0.000250611	0.00013196	0.000133294	0.000119039	0.000108908	0.000248443	0.00013196	0.000142631	**4803**	0.00012138
0.000122313	0.000111953	0.000253428	0.00013336	0.000144344	0.000120167	0.000109902	0.000251267	0.00013336	0.000154877	**4804**	0.000122415
0.000126354	0.000115693	0.000261293	0.000137475	0.000156626	0.000124001	0.000113432	0.000258995	0.000137475	0.000168504	**4805**	0.000126477
0.000133234	0.000122199	0.000272898	0.000144215	0.000164337	0.000130447	0.000119493	0.000270349	0.000144215	0.000177196	**4806**	0.000133428
0.000147271	0.000134725	0.000306061	0.000161492	0.000217947	0.000144779	0.000132388	0.000303038	0.000161492	0.000224271	**4807**	0.000147523
0.000161751	0.00014744	0.000342872	0.000180282	0.000220867	0.000159955	0.000145899	0.00033949	0.000180282	0.000227613	**4808**	0.000162007
0.000176634	0.000160913	0.000375608	0.000197139	0.000223507	0.000174769	0.000159332	0.000371941	0.000197139	0.0002305	**4809**	0.000176889
0.000192072	0.000174891	0.00040952	0.000214542	0.000225129	0.000190098	0.00017323	0.000405545	0.000214542	0.000232274	**4810**	0.000192328
0.000206326	0.000187735	0.000441632	0.000230745	0.000225519	0.000204295	0.000186046	0.000437383	0.000230745	0.000232682	**4811**	0.000206567
0.000220012	0.00019995	0.000473934	0.000247078	0.000217994	0.000218249	0.000198576	0.000469525	0.000247078	0.000226352	**4812**	0.000220208
0.000233756	0.000212308	0.000505212	0.000263135	0.000216952	0.00023213	0.000211111	0.000500604	0.000263135	0.000225207	**4813**	0.00023393
0.000246342	0.000223586	0.000534359	0.000278265	0.000211929	0.000245026	0.000222744	0.00052963	0.000278265	0.000219683	**4814**	0.000246487
0.000260726	0.000236406	0.000568538	0.0002953	0.000211042	0.000259626	0.000235826	0.000563617	0.0002953	0.000216678	**4815**	0.000260819
0.000272015	0.000246573	0.000594023	0.000308153	0.000202111	0.000270878	0.00024598	0.000588887	0.000308153	0.000206805	**4816**	0.000272095
0.000280717	0.000254477	0.000612828	0.000317823	0.000196213	0.000279462	0.000253779	0.0006075	0.000317823	0.000200323	**4817**	0.000280803
0.000275147	0.000249908	0.000594589	0.000308753	0.000193206	0.000272788	0.00024803	0.000589008	0.000308753	0.000197061	**4818**	0.000275354
0.000263099	0.000239772	0.00055835	0.00029029	0.000176177	0.000258808	0.000235825	0.000552363	0.00029029	0.000182322	**4819**	0.000263502
0.000246025	0.000224781	0.000514909	0.000268146	0.000159849	0.00024066	0.00021966	0.000508881	0.000268146	0.000168141	**4820**	0.000246547
0.000228901	0.000209899	0.000469393	0.000245365	0.000146124	0.000222461	0.000203577	0.000463654	0.000245365	0.000154972	**4821**	0.000229476
0.000206542	0.000189907	0.000417095	0.000218561	0.000135606	0.000199818	0.000183207	0.000411986	0.000218561	0.000145182	**4822**	0.000207077
0.000178134	0.000163746	0.000360241	0.000188634	0.00012952	0.000172446	0.000158078	0.000355958	0.000188634	0.000138449	**4823**	0.000178556
0.000154901	0.000142196	0.000315703	0.000165393	0.000125623	0.00015058	0.000137922	0.000312266	0.000165393	0.000134136	**4824**	0.000155192
0.000138909	0.000127256	0.000286402	0.00015028	0.000122175	0.000135906	0.000124337	0.000283671	0.00015028	0.000130266	**4825**	0.000139082
0.000127374	0.000116654	0.000263053	0.000138422	0.000125329	0.000124931	0.000114301	0.000260709	0.000138422	0.000133785	**4826**	0.000127506
0.000121267	0.000111048	0.000250611	0.00013196	0.000133294	0.000119039	0.000108908	0.000248443	0.00013196	0.000142631	**4827**	0.00012138
0.000122313	0.000111953	0.000253428	0.00013336	0.000144344	0.000120167	0.000109902	0.000251267	0.00013336	0.000154877	**4828**	0.000122415
0.000126354	0.000115693	0.000261293	0.000137475	0.000156626	0.000124001	0.000113432	0.000258995	0.000137475	0.000168504	**4829**	0.000126477
0.000133234	0.000122199	0.000272898	0.000144215	0.000164337	0.000130447	0.000119493	0.000270349	0.000144215	0.000177196	**4830**	0.000133428
0.000147271	0.000134725	0.000306061	0.000161492	0.000217947	0.000144779	0.000132388	0.000303038	0.000161492	0.000224271	**4831**	0.000147523
0.000161751	0.00014744	0.000342872	0.000180282	0.000220867	0.000159955	0.000145899	0.00033949	0.000180282	0.000227613	**4832**	0.000162007
0.000176634	0.000160913	0.000375608	0.000197139	0.000223507	0.000174769	0.000159332	0.000371941	0.000197139	0.0002305	**4833**	0.000176889
0.000192072	0.000174891	0.00040952	0.000214542	0.000225129	0.000190098	0.00017323	0.000405545	0.000214542	0.000232274	**4834**	0.000192328
0.000206326	0.000187735	0.000441632	0.000230745	0.000225519	0.000204295	0.000186046	0.000437383	0.000230745	0.000232682	**4835**	0.000206567
0.000220012	0.00019995	0.000473934	0.000247078	0.000217994	0.000218249	0.000198576	0.000469525	0.000247078	0.000226352	**4836**	0.000220208
0.000233756	0.000212308	0.000505212	0.000263135	0.000216952	0.00023213	0.000211111	0.000500604	0.000263135	0.000225207	**4837**	0.00023393
0.000246342	0.000223586	0.000534359	0.000278265	0.000211929	0.000245026	0.000222744	0.00052963	0.000278265	0.000219683	**4838**	0.000246487
0.000260726	0.000236406	0.000568538	0.0002953	0.000211042	0.000259626	0.000235826	0.000563617	0.0002953	0.000216678	**4839**	0.000260819
0.000272015	0.000246573	0.000594023	0.000308153	0.000202111	0.000270878	0.00024598	0.000588887	0.000308153	0.000206805	**4840**	0.000272095
0.000280717	0.000254477	0.000612828	0.000317823	0.000196213	0.000279462	0.000253779	0.0006075	0.000317823	0.000200323	**4841**	0.000280803
0.000275147	0.000249908	0.000594589	0.000308753	0.000193206	0.000272788	0.00024803	0.000589008	0.000308753	0.000197061	**4842**	0.000275354
0.000263099	0.000239772	0.00055835	0.00029029	0.000176177	0.000258808	0.000235825	0.000552363	0.00029029	0.000182322	**4843**	0.000263502
0.000246025	0.000224781	0.000514909	0.000268146	0.000159849	0.00024066	0.00021966	0.000508881	0.000268146	0.000168141	**4844**	0.000246547
0.000228901	0.000209899	0.000469393	0.000245365	0.000146124	0.000222461	0.000203577	0.000463654	0.000245365	0.000154972	**4845**	0.000229476
0.000206542	0.000189907	0.000417095	0.000218561	0.000135606	0.000199818	0.000183207	0.000411986	0.000218561	0.000145182	**4846**	0.000207077
0.000178134	0.000163746	0.000360241	0.000188634	0.00012952	0.000172446	0.000158078	0.000355958	0.000188634	0.000138449	**4847**	0.000178556
0.000154901	0.000142196	0.000315703	0.000165393	0.000125623	0.00015058	0.000137922	0.000312266	0.000165393	0.000134136	**4848**	0.000155192
0.000138909	0.000127256	0.000286402	0.00015028	0.000122175	0.000135906	0.000124337	0.000283671	0.00015028	0.000130266	**4849**	0.000139082
0.000127374	0.000116654	0.000263053	0.000138422	0.000125329	0.000124931	0.000114301	0.000260709	0.000138422	0.000133785	**4850**	0.000127506
0.000121267	0.000111048	0.000250611	0.00013196	0.000133294	0.000119039	0.000108908	0.000248443	0.00013196	0.000142631	**4851**	0.00012138
0.000122313	0.000111953	0.000253428	0.00013336	0.000144344	0.000120167	0.000109902	0.000251267	0.00013336	0.000154877	**4852**	0.000122415
0.000126354	0.000115693	0.000261293	0.000137475	0.000156626	0.000124001	0.000113432	0.000258995	0.000137475	0.000168504	**4853**	0.000126477
0.000133234	0.000122199	0.000272898	0.000144215	0.000164337	0.000130447	0.000119493	0.000270349	0.000144215	0.000177196	**4854**	0.000133428
0.000147271	0.000134725	0.000306061	0.000161492	0.000217947	0.000144779	0.000132388	0.000303038	0.000161492	0.000224271	**4855**	0.000147523

0.000161751	0.00014744	0.000342872	0.000180282	0.000220867	0.000159955	0.000145899	0.00033949	0.000180282	0.000227613	**4856**	0.000162007
0.000176634	0.000160913	0.000375608	0.000197139	0.000223507	0.000174769	0.000159332	0.000371941	0.000197139	0.0002305	**4857**	0.000176889
0.000192072	0.000174891	0.00040952	0.000214542	0.000225129	0.000190098	0.00017323	0.000405545	0.000214542	0.000232274	**4858**	0.000192328
0.000206326	0.000187735	0.000441632	0.000230745	0.000225519	0.000204295	0.000186046	0.000437383	0.000230745	0.000232682	**4859**	0.000206567
0.000220012	0.00019995	0.000473934	0.000247078	0.000217994	0.000218249	0.000198576	0.000469525	0.000247078	0.000226352	**4860**	0.000220208
0.000233756	0.000212308	0.000505212	0.000263135	0.000216952	0.00023213	0.000211111	0.000500604	0.000263135	0.000225207	**4861**	0.00023393
0.000246342	0.000223586	0.000534359	0.000278265	0.000211929	0.000245026	0.000222744	0.00052963	0.000278265	0.000219683	**4862**	0.000246487
0.000260726	0.000236406	0.000568538	0.0002953	0.000211042	0.000259626	0.000235826	0.000563617	0.0002953	0.000216678	**4863**	0.000260819
0.000272015	0.000246573	0.000594023	0.000308153	0.000202111	0.000270878	0.00024598	0.000588887	0.000308153	0.000206805	**4864**	0.000272095
0.000280717	0.000254477	0.000612828	0.000317823	0.000196213	0.000279462	0.000253779	0.0006075	0.000317823	0.000200323	**4865**	0.000280803
0.000275147	0.000249908	0.000594589	0.000308753	0.000193206	0.000272788	0.00024803	0.000589008	0.000308753	0.000197061	**4866**	0.000275354
0.000263099	0.000239772	0.00055835	0.00029029	0.000176177	0.000258808	0.000235825	0.000552363	0.00029029	0.000182322	**4867**	0.000263502
0.000246025	0.000224781	0.000514909	0.000268146	0.000159849	0.00024066	0.00021966	0.000508881	0.000268146	0.000168141	**4868**	0.000246547
0.000228901	0.000209899	0.000469393	0.000245365	0.000146124	0.000222461	0.000203577	0.000463654	0.000245365	0.000154972	**4869**	0.000229476
0.000206542	0.000189907	0.000417095	0.000218561	0.000135606	0.000199818	0.000183207	0.000411986	0.000218561	0.000145182	**4870**	0.000207077
0.000178134	0.000163746	0.000360241	0.000188634	0.00012952	0.000172446	0.000158078	0.000355958	0.000188634	0.000138449	**4871**	0.000178556
0.000154901	0.000142196	0.000315703	0.000165393	0.000125623	0.00015058	0.000137922	0.000312266	0.000165393	0.000134136	**4872**	0.000155192
0.000138909	0.000127256	0.000286402	0.00015028	0.000122175	0.000135906	0.000124337	0.000283671	0.00015028	0.000130266	**4873**	0.000139082
0.000127374	0.000116654	0.000263053	0.000138422	0.000125329	0.000124931	0.000114301	0.000260709	0.000138422	0.000133785	**4874**	0.000127506
0.000121267	0.000111048	0.000250611	0.00013196	0.000133294	0.000119039	0.000108908	0.000248443	0.00013196	0.000142631	**4875**	0.00012138
0.000122313	0.000111953	0.000253428	0.00013336	0.000144344	0.000120167	0.000109902	0.000251267	0.00013336	0.000154877	**4876**	0.000122415
0.000126354	0.000115693	0.000261293	0.000137475	0.000156626	0.000124001	0.000113432	0.000258995	0.000137475	0.000168504	**4877**	0.000126477
0.000133234	0.000122199	0.000272898	0.000144215	0.000164337	0.000130447	0.000119493	0.000270349	0.000144215	0.000177196	**4878**	0.000133428
0.000147271	0.000134725	0.000306061	0.000161492	0.000217947	0.000144779	0.000132388	0.000303038	0.000161492	0.000224271	**4879**	0.000147523
0.000161751	0.00014744	0.000342872	0.000180282	0.000220867	0.000159955	0.000145899	0.00033949	0.000180282	0.000227613	**4880**	0.000162007
0.000176634	0.000160913	0.000375608	0.000197139	0.000223507	0.000174769	0.000159332	0.000371941	0.000197139	0.0002305	**4881**	0.000176889
0.000192072	0.000174891	0.00040952	0.000214542	0.000225129	0.000190098	0.00017323	0.000405545	0.000214542	0.000232274	**4882**	0.000192328
0.000206326	0.000187735	0.000441632	0.000230745	0.000225519	0.000204295	0.000186046	0.000437383	0.000230745	0.000232682	**4883**	0.000206567
0.000220012	0.00019995	0.000473934	0.000247078	0.000217994	0.000218249	0.000198576	0.000469525	0.000247078	0.000226352	**4884**	0.000220208
0.000233756	0.000212308	0.000505212	0.000263135	0.000216952	0.00023213	0.000211111	0.000500604	0.000263135	0.000225207	**4885**	0.00023393
0.000246342	0.000223586	0.000534359	0.000278265	0.000211929	0.000245026	0.000222744	0.00052963	0.000278265	0.000219683	**4886**	0.000246487
0.000260726	0.000236406	0.000568538	0.0002953	0.000211042	0.000259626	0.000235826	0.000563617	0.0002953	0.000216678	**4887**	0.000260819
0.000272015	0.000246573	0.000594023	0.000308153	0.000202111	0.000270878	0.00024598	0.000588887	0.000308153	0.000206805	**4888**	0.000272095
0.000280717	0.000254477	0.000612828	0.000317823	0.000196213	0.000279462	0.000253779	0.0006075	0.000317823	0.000200323	**4889**	0.000280803
0.000275147	0.000249908	0.000594589	0.000308753	0.000193206	0.000272788	0.00024803	0.000589008	0.000308753	0.000197061	**4890**	0.000275354
0.000263099	0.000239772	0.00055835	0.00029029	0.000176177	0.000258808	0.000235825	0.000552363	0.00029029	0.000182322	**4891**	0.000263502
0.000246025	0.000224781	0.000514909	0.000268146	0.000159849	0.00024066	0.00021966	0.000508881	0.000268146	0.000168141	**4892**	0.000246547
0.000228901	0.000209899	0.000469393	0.000245365	0.000146124	0.000222461	0.000203577	0.000463654	0.000245365	0.000154972	**4893**	0.000229476
0.000206542	0.000189907	0.000417095	0.000218561	0.000135606	0.000199818	0.000183207	0.000411986	0.000218561	0.000145182	**4894**	0.000207077
0.000178134	0.000163746	0.000360241	0.000188634	0.00012952	0.000172446	0.000158078	0.000355958	0.000188634	0.000138449	**4895**	0.000178556
0.000154901	0.000142196	0.000315703	0.000165393	0.000125623	0.00015058	0.000137922	0.000312266	0.000165393	0.000134136	**4896**	0.000155192
0.000139516	0.000127798	0.000287832	0.000150992	0.00012158	0.000136519	0.000124886	0.000285092	0.000150992	0.000129608	**4897**	0.000139687
0.000127512	0.000116777	0.000263374	0.000138584	0.000125251	0.000125071	0.000114426	0.000261028	0.000138584	0.000133698	**4898**	0.000127644
0.000121316	0.000111095	0.000250677	0.000132013	0.000133217	0.000119087	0.000108955	0.000248508	0.000132013	0.000142544	**4899**	0.00012143
0.000122814	0.000112406	0.000254539	0.00013394	0.00014419	0.000120671	0.00011036	0.00025237	0.00013394	0.000154704	**4900**	0.000122916
0.000126841	0.000116137	0.000262312	0.000138033	0.000156632	0.000124489	0.000113879	0.000260006	0.000138033	0.00016851	**4901**	0.000126965
0.000133964	0.000122861	0.000274484	0.000145058	0.000164436	0.000131181	0.000120162	0.000271924	0.000145058	0.000177305	**4902**	0.000134158
0.000149464	0.00013695	0.00030785	0.000162506	0.000217964	0.00014648	0.000134084	0.000304812	0.000162506	0.000224287	**4903**	0.000149719
0.000161612	0.000147321	0.000342495	0.000180115	0.000220873	0.000159814	0.000145776	0.000339115	0.000180115	0.000227617	**4904**	0.000161869
0.00017579	0.000160162	0.000373586	0.000196146	0.000223529	0.000173915	0.000158569	0.000369932	0.000196146	0.000230522	**4905**	0.000176048
0.00019161	0.000174479	0.000408435	0.000214	0.000225058	0.000189631	0.000172811	0.000404466	0.000214	0.000232191	**4906**	0.000191867
0.000207119	0.000188452	0.000443389	0.000231664	0.000225395	0.000205094	0.000186771	0.000439127	0.000231664	0.000232541	**4907**	0.000207359
0.000220976	0.000200809	0.000476215	0.000248209	0.000217749	0.000219223	0.000199449	0.000471791	0.000248209	0.000226077	**4908**	0.000221168
0.000234963	0.000213389	0.000508026	0.000264549	0.00021661	0.00023335	0.000212207	0.0005034	0.000264549	0.000224823	**4909**	0.000235135
0.000248519	0.000225533	0.000539452	0.000280814	0.000211656	0.000247224	0.000224717	0.000534691	0.000280814	0.000219372	**4910**	0.000248658
0.000263211	0.000238633	0.000574283	0.000298203	0.000211084	0.000262134	0.000238083	0.000569324	0.000298203	0.000216714	**4911**	0.000263298
0.000274815	0.000249081	0.000600511	0.000311426	0.000202427	0.000273704	0.000248523	0.000595333	0.000311426	0.000207144	**4912**	0.000274888
0.00028503	0.000258345	0.000622764	0.000322858	0.000196507	0.000283813	0.000257698	0.000617371	0.000322858	0.000200636	**4913**	0.000285107
0.000279602	0.000253913	0.000604737	0.000313944	0.000193351	0.00027728	0.000252085	0.000599089	0.000313944	0.000197205	**4914**	0.000279801
0.000267942	0.000244126	0.000569366	0.000295931	0.000176249	0.000263691	0.000240233	0.000563306	0.000295931	0.000182386	**4915**	0.000268337
0.000250475	0.000228781	0.000525048	0.00027333	0.000159899	0.000245147	0.000223711	0.000518952	0.00027333	0.000168179	**4916**	0.000250989
0.000231381	0.000211869	0.000478336	0.000249804	0.000146073	0.000225475	0.000206131	0.000472542	0.000249804	0.000154901	**4917**	0.000231944
0.000210091	0.000193097	0.000425173	0.000222695	0.000135712	0.000203397	0.000186438	0.000420011	0.000222695	0.000145286	**4918**	0.00021062
0.000180739	0.000166094	0.000366101	0.000191662	0.000129757	0.000175071	0.000160453	0.000361779	0.000191662	0.000138699	**4919**	0.000181158
0.000157454	0.000144494	0.000321486	0.000168364	0.000125984	0.000153154	0.000140247	0.000318011	0.000168364	0.000134524	**4920**	0.000157741
0.000139516	0.000127798	0.000287832	0.000150992	0.00012158	0.000136519	0.000124886	0.000285092	0.000150992	0.000129608	**4921**	0.000139687
0.000127512	0.000116777	0.000263374	0.000138584	0.000125251	0.000125071	0.000114426	0.000261028	0.000138584	0.000133698	**4922**	0.000127644
0.000121316	0.000111095	0.000250677	0.000132013	0.000133217	0.000119087	0.000108955	0.000248508	0.000132013	0.000142544	**4923**	0.00012143
0.000122814	0.000112406	0.000254539	0.00013394	0.00014419	0.000120671	0.00011036	0.00025237	0.00013394	0.000154704	**4924**	0.000122916
0.000126841	0.000116137	0.000262312	0.000138033	0.000156632	0.000124489	0.000113879	0.000260006	0.000138033	0.00016851	**4925**	0.000126965
0.000133964	0.000122861	0.000274484	0.000145058	0.000164436	0.000131181	0.000120162	0.000271924	0.000145058	0.000177305	**4926**	0.000134158
0.000149464	0.00013695	0.00030785	0.000162506	0.000217964	0.00014648	0.000134084	0.000304812	0.000162506	0.000224287	**4927**	0.000149719
0.000161612	0.000147321	0.000342495	0.000180115	0.000220873	0.000159814	0.000145776	0.000339115	0.000180115	0.000227617	**4928**	0.000161869
0.00017579	0.000160162	0.000373586	0.000196146	0.000223529	0.000173915	0.000158569	0.000369932	0.000196146	0.000230522	**4929**	0.000176048
0.00019161	0.000174479	0.000408435	0.000214	0.000225058	0.000189631	0.000172811	0.000404466	0.000214	0.000232191	**4930**	0.000191867
0.000207119	0.000188452	0.000443389	0.000231664	0.000225395	0.000205094	0.000186771	0.000439127	0.000231664	0.000232541	**4931**	0.000207359

0.000220976	0.000200809	0.000476215	0.000248209	0.000217749	0.000219223	0.000199449	0.000471791	0.000248209	0.000226077	**4932**	0.000221168
0.000234963	0.000213389	0.000508026	0.000264549	0.00021661	0.00023335	0.000212207	0.0005034	0.000264549	0.000224823	**4933**	0.000235135
0.000248519	0.000225533	0.000539452	0.000280814	0.000211656	0.000247224	0.000224717	0.000534691	0.000280814	0.000219372	**4934**	0.000248658
0.000263211	0.000238633	0.000574283	0.000298203	0.000211084	0.000262134	0.000238083	0.000569324	0.000298203	0.000216714	**4935**	0.000263298
0.000274815	0.000249081	0.000600511	0.000311426	0.000202427	0.000273704	0.000248523	0.000595333	0.000311426	0.000207144	**4936**	0.000274888
0.00028503	0.000258345	0.000622764	0.000322858	0.000196507	0.000283813	0.000257698	0.000617371	0.000322858	0.000200636	**4937**	0.000285107
0.000279602	0.000253913	0.000604737	0.000313944	0.000193351	0.00027728	0.000252085	0.000599089	0.000313944	0.000197205	**4938**	0.000279801
0.000267942	0.000244126	0.000569366	0.000295931	0.000176249	0.000263691	0.000240233	0.000563306	0.000295931	0.000182386	**4939**	0.000268337
0.000250475	0.000228781	0.000525048	0.00027333	0.000159899	0.000245147	0.000223711	0.000518952	0.00027333	0.000168179	**4940**	0.000250989
0.000231381	0.000211869	0.000478336	0.000249804	0.000146073	0.000225475	0.000206131	0.000472542	0.000249804	0.000154901	**4941**	0.000231944
0.000210091	0.000193097	0.000425173	0.000222695	0.000135712	0.000203397	0.000186438	0.000420011	0.000222695	0.000145286	**4942**	0.00021062
0.000180739	0.000166094	0.000366101	0.000191662	0.000129757	0.000175071	0.000160453	0.000361779	0.000191662	0.000138699	**4943**	0.000181158
0.000157454	0.000144494	0.000321486	0.000168364	0.000125984	0.000153154	0.000140247	0.000318011	0.000168364	0.000134524	**4944**	0.000157741
0.000138909	0.000127256	0.000286402	0.00015028	0.000122175	0.000135906	0.000124337	0.000283671	0.00015028	0.000130266	**4945**	0.000139082
0.000127374	0.000116654	0.000263053	0.000138422	0.000125329	0.000124931	0.000114301	0.000260709	0.000138422	0.000133785	**4946**	0.000127506
0.000121267	0.000111048	0.000250611	0.00013196	0.000133294	0.000119039	0.000108908	0.000248443	0.00013196	0.000142631	**4947**	0.00012138
0.000122313	0.000111953	0.000253428	0.00013336	0.000144344	0.000120167	0.000109902	0.000251267	0.00013336	0.000154877	**4948**	0.000122415
0.000126354	0.000115693	0.000261293	0.000137475	0.000156626	0.000124001	0.000113432	0.000258995	0.000137475	0.000168504	**4949**	0.000126477
0.000133234	0.000122199	0.000272898	0.000144215	0.000164337	0.000130447	0.000119493	0.000270349	0.000144215	0.000177196	**4950**	0.000133428
0.000147271	0.000134725	0.000306061	0.000161492	0.000217947	0.000144779	0.000132388	0.000303038	0.000161492	0.000224271	**4951**	0.000147523
0.000161751	0.00014744	0.000342872	0.000180282	0.000220867	0.000159955	0.000145899	0.00033949	0.000180282	0.000227613	**4952**	0.000162007
0.000176634	0.000160913	0.000375608	0.000197139	0.000223507	0.000174769	0.000159332	0.000371941	0.000197139	0.0002305	**4953**	0.000176889
0.000192072	0.000174891	0.00040952	0.000214542	0.000225129	0.000190098	0.00017323	0.000405545	0.000214542	0.000232274	**4954**	0.000192328
0.000206326	0.000187735	0.000441632	0.000230745	0.000225519	0.000204295	0.000186046	0.000437383	0.000230745	0.000232682	**4955**	0.000206567
0.000220012	0.00019995	0.000473934	0.000247078	0.000217994	0.000218249	0.000198576	0.000469525	0.000247078	0.000226352	**4956**	0.000220208
0.000233756	0.000212308	0.000505212	0.000263135	0.000216952	0.00023213	0.000211111	0.000500604	0.000263135	0.000225207	**4957**	0.00023393
0.000246342	0.000223586	0.000534359	0.000278265	0.000211929	0.000245026	0.000222744	0.00052963	0.000278265	0.000219683	**4958**	0.000246487
0.000260726	0.000236406	0.000568538	0.0002953	0.000211042	0.000259626	0.000235826	0.000563617	0.0002953	0.000216678	**4959**	0.000260819
0.000272015	0.000246573	0.000594023	0.000308153	0.000202111	0.000270878	0.00024598	0.000588887	0.000308153	0.000206805	**4960**	0.000272095
0.000280717	0.000254477	0.000612828	0.000317823	0.000196213	0.000279462	0.000253779	0.0006075	0.000317823	0.000200323	**4961**	0.000280803
0.000275147	0.000249908	0.000594589	0.000308753	0.000193206	0.000272788	0.00024803	0.000589008	0.000308753	0.000197061	**4962**	0.000275354
0.000263099	0.000239772	0.00055835	0.00029029	0.000176177	0.000258808	0.000235825	0.000552363	0.00029029	0.000182322	**4963**	0.000263502
0.000246025	0.000224781	0.000514909	0.000268146	0.000159849	0.00024066	0.00021966	0.000508881	0.000268146	0.000168141	**4964**	0.000246547
0.000228901	0.000209899	0.000469393	0.000245365	0.000146124	0.000222461	0.000203577	0.000463654	0.000245365	0.000154972	**4965**	0.000229476
0.000206542	0.000189907	0.000417095	0.000218561	0.000135606	0.000199818	0.000183207	0.000411986	0.000218561	0.000145182	**4966**	0.000207077
0.000178134	0.000163746	0.000360241	0.000188634	0.00012952	0.000172446	0.000158078	0.000355958	0.000188634	0.000138449	**4967**	0.000178556
0.000154901	0.000142196	0.000315703	0.000165393	0.000125623	0.00015058	0.000137922	0.000312266	0.000165393	0.000134136	**4968**	0.000155192
0.000138909	0.000127256	0.000286402	0.00015028	0.000122175	0.000135906	0.000124337	0.000283671	0.00015028	0.000130266	**4969**	0.000139082
0.000127374	0.000116654	0.000263053	0.000138422	0.000125329	0.000124931	0.000114301	0.000260709	0.000138422	0.000133785	**4970**	0.000127506
0.000121267	0.000111048	0.000250611	0.00013196	0.000133294	0.000119039	0.000108908	0.000248443	0.00013196	0.000142631	**4971**	0.00012138
0.000122313	0.000111953	0.000253428	0.00013336	0.000144344	0.000120167	0.000109902	0.000251267	0.00013336	0.000154877	**4972**	0.000122415
0.000126354	0.000115693	0.000261293	0.000137475	0.000156626	0.000124001	0.000113432	0.000258995	0.000137475	0.000168504	**4973**	0.000126477
0.000133234	0.000122199	0.000272898	0.000144215	0.000164337	0.000130447	0.000119493	0.000270349	0.000144215	0.000177196	**4974**	0.000133428
0.000147271	0.000134725	0.000306061	0.000161492	0.000217947	0.000144779	0.000132388	0.000303038	0.000161492	0.000224271	**4975**	0.000147523
0.000161751	0.00014744	0.000342872	0.000180282	0.000220867	0.000159955	0.000145899	0.00033949	0.000180282	0.000227613	**4976**	0.000162007
0.000176634	0.000160913	0.000375608	0.000197139	0.000223507	0.000174769	0.000159332	0.000371941	0.000197139	0.0002305	**4977**	0.000176889
0.000192072	0.000174891	0.00040952	0.000214542	0.000225129	0.000190098	0.00017323	0.000405545	0.000214542	0.000232274	**4978**	0.000192328
0.000206326	0.000187735	0.000441632	0.000230745	0.000225519	0.000204295	0.000186046	0.000437383	0.000230745	0.000232682	**4979**	0.000206567
0.000220012	0.00019995	0.000473934	0.000247078	0.000217994	0.000218249	0.000198576	0.000469525	0.000247078	0.000226352	**4980**	0.000220208
0.000233756	0.000212308	0.000505212	0.000263135	0.000216952	0.00023213	0.000211111	0.000500604	0.000263135	0.000225207	**4981**	0.00023393
0.000246342	0.000223586	0.000534359	0.000278265	0.000211929	0.000245026	0.000222744	0.00052963	0.000278265	0.000219683	**4982**	0.000246487
0.000260726	0.000236406	0.000568538	0.0002953	0.000211042	0.000259626	0.000235826	0.000563617	0.0002953	0.000216678	**4983**	0.000260819
0.000272015	0.000246573	0.000594023	0.000308153	0.000202111	0.000270878	0.00024598	0.000588887	0.000308153	0.000206805	**4984**	0.000272095
0.000280717	0.000254477	0.000612828	0.000317823	0.000196213	0.000279462	0.000253779	0.0006075	0.000317823	0.000200323	**4985**	0.000280803
0.000275147	0.000249908	0.000594589	0.000308753	0.000193206	0.000272788	0.00024803	0.000589008	0.000308753	0.000197061	**4986**	0.000275354
0.000263099	0.000239772	0.00055835	0.00029029	0.000176177	0.000258808	0.000235825	0.000552363	0.00029029	0.000182322	**4987**	0.000263502
0.000246025	0.000224781	0.000514909	0.000268146	0.000159849	0.00024066	0.00021966	0.000508881	0.000268146	0.000168141	**4988**	0.000246547
0.000228901	0.000209899	0.000469393	0.000245365	0.000146124	0.000222461	0.000203577	0.000463654	0.000245365	0.000154972	**4989**	0.000229476
0.000206542	0.000189907	0.000417095	0.000218561	0.000135606	0.000199818	0.000183207	0.000411986	0.000218561	0.000145182	**4990**	0.000207077
0.000178134	0.000163746	0.000360241	0.000188634	0.00012952	0.000172446	0.000158078	0.000355958	0.000188634	0.000138449	**4991**	0.000178556
0.000154901	0.000142196	0.000315703	0.000165393	0.000125623	0.00015058	0.000137922	0.000312266	0.000165393	0.000134136	**4992**	0.000155192
0.000138909	0.000127256	0.000286402	0.00015028	0.000122175	0.000135906	0.000124337	0.000283671	0.00015028	0.000130266	**4993**	0.000139082
0.000127374	0.000116654	0.000263053	0.000138422	0.000125329	0.000124931	0.000114301	0.000260709	0.000138422	0.000133785	**4994**	0.000127506
0.000121267	0.000111048	0.000250611	0.00013196	0.000133294	0.000119039	0.000108908	0.000248443	0.00013196	0.000142631	**4995**	0.00012138
0.000122313	0.000111953	0.000253428	0.00013336	0.000144344	0.000120167	0.000109902	0.000251267	0.00013336	0.000154877	**4996**	0.000122415
0.000126354	0.000115693	0.000261293	0.000137475	0.000156626	0.000124001	0.000113432	0.000258995	0.000137475	0.000168504	**4997**	0.000126477
0.000133234	0.000122199	0.000272898	0.000144215	0.000164337	0.000130447	0.000119493	0.000270349	0.000144215	0.000177196	**4998**	0.000133428
0.000147271	0.000134725	0.000306061	0.000161492	0.000217947	0.000144779	0.000132388	0.000303038	0.000161492	0.000224271	**4999**	0.000147523
0.000161751	0.00014744	0.000342872	0.000180282	0.000220867	0.000159955	0.000145899	0.00033949	0.000180282	0.000227613	**5000**	0.000162007
0.000176634	0.000160913	0.000375608	0.000197139	0.000223507	0.000174769	0.000159332	0.000371941	0.000197139	0.0002305	**5001**	0.000176889
0.000192072	0.000174891	0.00040952	0.000214542	0.000225129	0.000190098	0.00017323	0.000405545	0.000214542	0.000232274	**5002**	0.000192328
0.000206326	0.000187735	0.000441632	0.000230745	0.000225519	0.000204295	0.000186046	0.000437383	0.000230745	0.000232682	**5003**	0.000206567
0.000220012	0.00019995	0.000473934	0.000247078	0.000217994	0.000218249	0.000198576	0.000469525	0.000247078	0.000226352	**5004**	0.000220208
0.000233756	0.000212308	0.000505212	0.000263135	0.000216952	0.00023213	0.000211111	0.000500604	0.000263135	0.000225207	**5005**	0.00023393
0.000246342	0.000223586	0.000534359	0.000278265	0.000211929	0.000245026	0.000222744	0.00052963	0.000278265	0.000219683	**5006**	0.000246487
0.000260726	0.000236406	0.000568538	0.0002953	0.000211042	0.000259626	0.000235826	0.000563617	0.0002953	0.000216678	**5007**	0.000260819

0.000272015	0.000246573	0.000594023	0.000308153	0.000202111	0.000270878	0.00024598	0.000588887	0.000308153	0.000206805	**5008**	0.000272095
0.000280717	0.000254477	0.000612828	0.000317823	0.000196213	0.000279462	0.000253779	0.0006075	0.000317823	0.000200323	**5009**	0.000280803
0.000275147	0.000249908	0.000594589	0.000308753	0.000193206	0.000272788	0.00024803	0.000589008	0.000308753	0.000197061	**5010**	0.000275354
0.000263099	0.000239772	0.00055835	0.00029029	0.000176177	0.000258808	0.000235825	0.000552363	0.00029029	0.000182322	**5011**	0.000263502
0.000246025	0.000224781	0.000514909	0.000268146	0.000159849	0.00024066	0.00021966	0.000508881	0.000268146	0.000168141	**5012**	0.000246547
0.000228901	0.000209899	0.000469393	0.000245365	0.000146124	0.000222461	0.000203577	0.000463654	0.000245365	0.000154972	**5013**	0.000229476
0.000206542	0.000189907	0.000417095	0.000218561	0.000135606	0.000199818	0.000183207	0.000411986	0.000218561	0.000145182	**5014**	0.000207077
0.000178134	0.000163746	0.000360241	0.000188634	0.00012952	0.000172446	0.000158078	0.000355958	0.000188634	0.000138449	**5015**	0.000178556
0.000154901	0.000142196	0.000315703	0.000165393	0.000125623	0.00015058	0.000137922	0.000312266	0.000165393	0.000134136	**5016**	0.000155192
0.000138909	0.000127256	0.000286402	0.00015028	0.000122175	0.000135906	0.000124337	0.000283671	0.00015028	0.000130266	**5017**	0.000139082
0.000127374	0.000116654	0.000263053	0.000138422	0.000125329	0.000124931	0.000114301	0.000260709	0.000138422	0.000133785	**5018**	0.000127506
0.000121267	0.000111048	0.000250611	0.00013196	0.000133294	0.000119039	0.000108908	0.000248443	0.00013196	0.000142631	**5019**	0.00012138
0.000122313	0.000111953	0.000253428	0.00013336	0.000144344	0.000120167	0.000109902	0.000251267	0.00013336	0.000154877	**5020**	0.000122415
0.000126354	0.000115693	0.000261293	0.000137475	0.000156626	0.000124001	0.000113432	0.000258995	0.000137475	0.000168504	**5021**	0.000126477
0.000133234	0.000122199	0.000272898	0.000144215	0.000164337	0.000130447	0.000119493	0.000270349	0.000144215	0.000177196	**5022**	0.000133428
0.000147271	0.000134725	0.000306061	0.000161492	0.000217947	0.000144779	0.000132388	0.000303038	0.000161492	0.000224271	**5023**	0.000147523
0.000161751	0.00014744	0.000342872	0.000180282	0.000220867	0.000159955	0.000145899	0.00033949	0.000180282	0.000227613	**5024**	0.000162007
0.000176634	0.000160913	0.000375608	0.000197139	0.000223507	0.000174769	0.000159332	0.000371941	0.000197139	0.0002305	**5025**	0.000176889
0.000192072	0.000174891	0.00040952	0.000214542	0.000225129	0.000190098	0.00017323	0.000405545	0.000214542	0.000232274	**5026**	0.000192328
0.000206326	0.000187735	0.000441632	0.000230745	0.000225519	0.000204295	0.000186046	0.000437383	0.000230745	0.000232682	**5027**	0.000206567
0.000220012	0.00019995	0.000473934	0.000247078	0.000217994	0.000218249	0.000198576	0.000469525	0.000247078	0.000226352	**5028**	0.000220208
0.000233756	0.000212308	0.000505212	0.000263135	0.000216952	0.00023213	0.000211111	0.000500604	0.000263135	0.000225207	**5029**	0.00023393
0.000246342	0.000223586	0.000534359	0.000278265	0.000211929	0.000245026	0.000222744	0.00052963	0.000278265	0.000219683	**5030**	0.000246487
0.000260726	0.000236406	0.000568538	0.0002953	0.000211042	0.000259626	0.000235826	0.000563617	0.0002953	0.000216678	**5031**	0.000260819
0.000272015	0.000246573	0.000594023	0.000308153	0.000202111	0.000270878	0.00024598	0.000588887	0.000308153	0.000206805	**5032**	0.000272095
0.000280717	0.000254477	0.000612828	0.000317823	0.000196213	0.000279462	0.000253779	0.0006075	0.000317823	0.000200323	**5033**	0.000280803
0.000275147	0.000249908	0.000594589	0.000308753	0.000193206	0.000272788	0.00024803	0.000589008	0.000308753	0.000197061	**5034**	0.000275354
0.000263099	0.000239772	0.00055835	0.00029029	0.000176177	0.000258808	0.000235825	0.000552363	0.00029029	0.000182322	**5035**	0.000263502
0.000246025	0.000224781	0.000514909	0.000268146	0.000159849	0.00024066	0.00021966	0.000508881	0.000268146	0.000168141	**5036**	0.000246547
0.000228901	0.000209899	0.000469393	0.000245365	0.000146124	0.000222461	0.000203577	0.000463654	0.000245365	0.000154972	**5037**	0.000229476
0.000206542	0.000189907	0.000417095	0.000218561	0.000135606	0.000199818	0.000183207	0.000411986	0.000218561	0.000145182	**5038**	0.000207077
0.000178134	0.000163746	0.000360241	0.000188634	0.00012952	0.000172446	0.000158078	0.000355958	0.000188634	0.000138449	**5039**	0.000178556
0.000154901	0.000142196	0.000315703	0.000165393	0.000125623	0.00015058	0.000137922	0.000312266	0.000165393	0.000134136	**5040**	0.000155192
0.000138909	0.000127256	0.000286402	0.00015028	0.000122175	0.000135906	0.000124337	0.000283671	0.00015028	0.000130266	**5041**	0.000139082
0.000127374	0.000116654	0.000263053	0.000138422	0.000125329	0.000124931	0.000114301	0.000260709	0.000138422	0.000133785	**5042**	0.000127506
0.000121267	0.000111048	0.000250611	0.00013196	0.000133294	0.000119039	0.000108908	0.000248443	0.00013196	0.000142631	**5043**	0.00012138
0.000122313	0.000111953	0.000253428	0.00013336	0.000144344	0.000120167	0.000109902	0.000251267	0.00013336	0.000154877	**5044**	0.000122415
0.000126354	0.000115693	0.000261293	0.000137475	0.000156626	0.000124001	0.000113432	0.000258995	0.000137475	0.000168504	**5045**	0.000126477
0.000133234	0.000122199	0.000272898	0.000144215	0.000164337	0.000130447	0.000119493	0.000270349	0.000144215	0.000177196	**5046**	0.000133428
0.000147271	0.000134725	0.000306061	0.000161492	0.000217947	0.000144779	0.000132388	0.000303038	0.000161492	0.000224271	**5047**	0.000147523
0.000161751	0.00014744	0.000342872	0.000180282	0.000220867	0.000159955	0.000145899	0.00033949	0.000180282	0.000227613	**5048**	0.000162007
0.000176634	0.000160913	0.000375608	0.000197139	0.000223507	0.000174769	0.000159332	0.000371941	0.000197139	0.0002305	**5049**	0.000176889
0.000192072	0.000174891	0.00040952	0.000214542	0.000225129	0.000190098	0.00017323	0.000405545	0.000214542	0.000232274	**5050**	0.000192328
0.000206326	0.000187735	0.000441632	0.000230745	0.000225519	0.000204295	0.000186046	0.000437383	0.000230745	0.000232682	**5051**	0.000206567
0.000220012	0.00019995	0.000473934	0.000247078	0.000217994	0.000218249	0.000198576	0.000469525	0.000247078	0.000226352	**5052**	0.000220208
0.000233756	0.000212308	0.000505212	0.000263135	0.000216952	0.00023213	0.000211111	0.000500604	0.000263135	0.000225207	**5053**	0.00023393
0.000246342	0.000223586	0.000534359	0.000278265	0.000211929	0.000245026	0.000222744	0.00052963	0.000278265	0.000219683	**5054**	0.000246487
0.000260726	0.000236406	0.000568538	0.0002953	0.000211042	0.000259626	0.000235826	0.000563617	0.0002953	0.000216678	**5055**	0.000260819
0.000272015	0.000246573	0.000594023	0.000308153	0.000202111	0.000270878	0.00024598	0.000588887	0.000308153	0.000206805	**5056**	0.000272095
0.000280717	0.000254477	0.000612828	0.000317823	0.000196213	0.000279462	0.000253779	0.0006075	0.000317823	0.000200323	**5057**	0.000280803
0.000275147	0.000249908	0.000594589	0.000308753	0.000193206	0.000272788	0.00024803	0.000589008	0.000308753	0.000197061	**5058**	0.000275354
0.000263099	0.000239772	0.00055835	0.00029029	0.000176177	0.000258808	0.000235825	0.000552363	0.00029029	0.000182322	**5059**	0.000263502
0.000246025	0.000224781	0.000514909	0.000268146	0.000159849	0.00024066	0.00021966	0.000508881	0.000268146	0.000168141	**5060**	0.000246547
0.000228901	0.000209899	0.000469393	0.000245365	0.000146124	0.000222461	0.000203577	0.000463654	0.000245365	0.000154972	**5061**	0.000229476
0.000206542	0.000189907	0.000417095	0.000218561	0.000135606	0.000199818	0.000183207	0.000411986	0.000218561	0.000145182	**5062**	0.000207077
0.000178134	0.000163746	0.000360241	0.000188634	0.00012952	0.000172446	0.000158078	0.000355958	0.000188634	0.000138449	**5063**	0.000178556
0.000154901	0.000142196	0.000315703	0.000165393	0.000125623	0.00015058	0.000137922	0.000312266	0.000165393	0.000134136	**5064**	0.000155192
0.000139516	0.000127798	0.000287832	0.000150992	0.00012158	0.000136519	0.000124886	0.000285092	0.000150992	0.000129608	**5065**	0.000139687
0.000127512	0.000116777	0.000263374	0.000138584	0.000125251	0.000125071	0.000114426	0.000261028	0.000138584	0.000133698	**5066**	0.000127644
0.000121316	0.000111095	0.000250677	0.000132013	0.000133217	0.000119087	0.000108955	0.000248508	0.000132013	0.000142544	**5067**	0.00012143
0.000122814	0.000112406	0.000254539	0.00013394	0.00014419	0.000120671	0.00011036	0.000252237	0.00013394	0.000154704	**5068**	0.000122916
0.000126841	0.000116137	0.000262312	0.000138033	0.000156632	0.000124489	0.000113879	0.000260006	0.000138033	0.00016851	**5069**	0.000126965
0.000133964	0.000122861	0.000274484	0.000145058	0.000164436	0.000131181	0.000120162	0.000271924	0.000145058	0.000177305	**5070**	0.000134158
0.000149464	0.00013695	0.00030785	0.000162506	0.000217964	0.00014648	0.000134084	0.000304812	0.000162506	0.000224287	**5071**	0.000149719
0.000161612	0.000147321	0.000342495	0.000180115	0.000220873	0.000159814	0.000145776	0.000339115	0.000180115	0.000227617	**5072**	0.000161869
0.00017579	0.000160162	0.000373586	0.000196146	0.000223529	0.000173915	0.000158569	0.000369932	0.000196146	0.000230522	**5073**	0.000176048
0.00019161	0.000174479	0.000408435	0.000214	0.000225058	0.000189631	0.000172811	0.000404466	0.000214	0.000232191	**5074**	0.000191867
0.000207119	0.000188452	0.000443389	0.000231664	0.000225395	0.000205094	0.000186771	0.000439127	0.000231664	0.000232541	**5075**	0.000207359
0.000220976	0.000200809	0.000476215	0.000248209	0.000217749	0.000219223	0.000199449	0.000471791	0.000248209	0.000226077	**5076**	0.000221168
0.000234963	0.000213389	0.000508026	0.000264549	0.00021661	0.00023335	0.000212207	0.0005034	0.000264549	0.000224823	**5077**	0.000235135
0.000248519	0.000225533	0.000539452	0.000280814	0.000211656	0.000247224	0.000224717	0.000534691	0.000280814	0.000219372	**5078**	0.000248658
0.000263211	0.000238633	0.000574283	0.000298203	0.000211084	0.000262134	0.000238083	0.000569324	0.000298203	0.000216714	**5079**	0.000263298
0.000274815	0.000249081	0.000600511	0.000311426	0.000202427	0.000273704	0.000248523	0.000595333	0.000311426	0.000207144	**5080**	0.000274888
0.00028503	0.000258345	0.000622764	0.000322858	0.000196507	0.000283813	0.000257698	0.000617371	0.000322858	0.000200636	**5081**	0.000285107
0.000279602	0.000253913	0.000604737	0.000313944	0.000193351	0.00027728	0.000252085	0.000599089	0.000313944	0.000197205	**5082**	0.000279801
0.000267942	0.000244126	0.000569366	0.000295931	0.000176249	0.000263691	0.000240233	0.000563306	0.000295931	0.000182386	**5083**	0.000268337

0.000250475	0.000228781	0.000525048	0.00027333	0.000159899	0.000245147	0.000223711	0.000518952	0.00027333	0.000168179	**5084**	0.000250989
0.000231381	0.000211869	0.000478336	0.000249804	0.000146073	0.000225475	0.000206131	0.000472542	0.000249804	0.000154901	**5085**	0.000231944
0.000210091	0.000193097	0.000425173	0.000222695	0.000135712	0.000203397	0.000186438	0.000420011	0.000222695	0.000145286	**5086**	0.00021062
0.000180739	0.000166094	0.000366101	0.000191662	0.000129757	0.000175071	0.000160453	0.000361779	0.000191662	0.000138699	**5087**	0.000181158
0.000157454	0.000144494	0.000321486	0.000168364	0.000125984	0.000153154	0.000140247	0.000318011	0.000168364	0.000134524	**5088**	0.000157741
0.000139516	0.000127798	0.000287832	0.000150992	0.00012158	0.000136519	0.000124886	0.000285092	0.000150992	0.000129608	**5089**	0.000139687
0.000127512	0.000116777	0.000263374	0.000138584	0.000125251	0.000125071	0.000114426	0.000261028	0.000138584	0.000133698	**5090**	0.000127644
0.000121316	0.000111095	0.000250677	0.000132013	0.000133217	0.000119087	0.000108955	0.000248508	0.000132013	0.000142544	**5091**	0.00012143
0.000122814	0.000112406	0.000254539	0.00013394	0.00014419	0.000120671	0.00011036	0.00025237	0.00013394	0.000154704	**5092**	0.000122916
0.000126841	0.000116137	0.000262312	0.000138033	0.000156632	0.000124489	0.000113879	0.000260006	0.000138033	0.00016851	**5093**	0.000126965
0.000133964	0.000122861	0.000274484	0.000145058	0.000164436	0.000131181	0.000120162	0.000271924	0.000145058	0.000177305	**5094**	0.000134158
0.000149464	0.00013695	0.00030785	0.000162506	0.000217964	0.00014648	0.000134084	0.000304812	0.000162506	0.000224287	**5095**	0.000149719
0.000161612	0.000147321	0.000342495	0.000180115	0.000220873	0.000159814	0.000145776	0.000339115	0.000180115	0.000227617	**5096**	0.000161869
0.00017579	0.000160162	0.000373586	0.000196146	0.000223529	0.000173915	0.000158569	0.000369932	0.000196146	0.000230522	**5097**	0.000176048
0.00019161	0.000174479	0.000408435	0.000214	0.000225058	0.000189631	0.000172811	0.000404466	0.000214	0.000232191	**5098**	0.000191867
0.000207119	0.000188452	0.000443389	0.000231664	0.000225395	0.000205094	0.000186771	0.000439127	0.000231664	0.000232541	**5099**	0.000207359
0.000220976	0.000200809	0.000476215	0.000248209	0.000217749	0.000219223	0.000199449	0.000471791	0.000248209	0.000226077	**5100**	0.000221168
0.000234963	0.000213389	0.000508026	0.000264549	0.00021661	0.00023335	0.000212207	0.0005034	0.000264549	0.000224823	**5101**	0.000235135
0.000248519	0.000225533	0.000539452	0.000280814	0.000211656	0.000247224	0.000224717	0.000534691	0.000280814	0.000219372	**5102**	0.000248658
0.000263211	0.000238633	0.000574283	0.000298203	0.000211084	0.000262134	0.000238083	0.000569324	0.000298203	0.000216714	**5103**	0.000263298
0.000274815	0.000249081	0.000600511	0.000311426	0.000202427	0.000273704	0.000248523	0.000595333	0.000311426	0.000207144	**5104**	0.000274888
0.00028503	0.000258345	0.000622764	0.000322858	0.000196507	0.000283813	0.000257698	0.000617371	0.000322858	0.000200636	**5105**	0.000285107
0.000279602	0.000253913	0.000604737	0.000313944	0.000193351	0.00027728	0.000252085	0.000599089	0.000313944	0.000197205	**5106**	0.000279801
0.000267942	0.000244126	0.000569366	0.000295931	0.000176249	0.000263691	0.000240233	0.000563306	0.000295931	0.000182386	**5107**	0.000268337
0.000250475	0.000228781	0.000525048	0.00027333	0.000159899	0.000245147	0.000223711	0.000518952	0.00027333	0.000168179	**5108**	0.000250989
0.000231381	0.000211869	0.000478336	0.000249804	0.000146073	0.000225475	0.000206131	0.000472542	0.000249804	0.000154901	**5109**	0.000231944
0.000210091	0.000193097	0.000425173	0.000222695	0.000135712	0.000203397	0.000186438	0.000420011	0.000222695	0.000145286	**5110**	0.00021062
0.000180739	0.000166094	0.000366101	0.000191662	0.000129757	0.000175071	0.000160453	0.000361779	0.000191662	0.000138699	**5111**	0.000181158
0.000157454	0.000144494	0.000321486	0.000168364	0.000125984	0.000153154	0.000140247	0.000318011	0.000168364	0.000134524	**5112**	0.000157741
0.000126502	0.000116102	0.000258132	0.000135823	0.000121072	0.000123393	0.000113043	0.000255588	0.000135823	0.000129162	**5113**	0.000126695
0.00011773	0.000107945	0.000241577	0.000127234	0.000122895	0.000115217	0.000105496	0.000239378	0.000127234	0.000131225	**5114**	0.000117869
0.000111621	0.000102382	0.000228562	0.000120714	0.000130933	0.00010931	0.000100132	0.000226538	0.000120714	0.000140161	**5115**	0.000111752
0.000112251	0.000102989	0.000229474	0.000121536	0.000144164	0.000109997	0.0001008	0.000227463	0.000121536	0.00015484	**5116**	0.00011239
0.000119763	0.000109906	0.000244513	0.000129624	0.000158237	0.000117315	0.000107529	0.000242312	0.000129624	0.000170428	**5117**	0.000119932
0.000128843	0.000118283	0.000262499	0.000139061	0.000164256	0.00012601	0.000115518	0.000260016	0.000139061	0.000177273	**5118**	0.000129052
0.000133206	0.000122066	0.000274208	0.000145122	0.000215858	0.000130599	0.000119575	0.000271396	0.000145122	0.000222143	**5119**	0.000133477
0.000143887	0.000131302	0.000303161	0.000159563	0.000218333	0.00014196	0.000129583	0.000300049	0.000159563	0.000224948	**5120**	0.000144151
0.000151574	0.000138328	0.000319231	0.000168009	0.000222792	0.000149512	0.000136481	0.000315941	0.000168009	0.000229833	**5121**	0.000151856
0.000162742	0.00014853	0.000342617	0.000180359	0.000223135	0.000160517	0.000146537	0.000339082	0.000180359	0.000230168	**5122**	0.000163047
0.000177343	0.000161746	0.000374758	0.000196892	0.000222095	0.000175048	0.000159711	0.000370943	0.000196892	0.000228988	**5123**	0.000177647
0.000194575	0.00017712	0.000415501	0.000217393	0.000214526	0.000192586	0.000175449	0.000411474	0.000217393	0.000222625	**5124**	0.000194822
0.000210925	0.000191791	0.000453101	0.000236525	0.000215836	0.000209104	0.000190335	0.000448836	0.000236525	0.000224091	**5125**	0.000211139
0.000228574	0.000207508	0.000495193	0.000257689	0.000212872	0.000227135	0.000206497	0.000490732	0.000257689	0.000220819	**5126**	0.000228721
0.000241757	0.000219341	0.000525464	0.000273212	0.000212733	0.000240499	0.000218551	0.000520828	0.000273212	0.000218636	**5127**	0.000241878
0.000248198	0.000225223	0.000538974	0.000280325	0.000201552	0.000246841	0.000224344	0.000534195	0.000280325	0.000206259	**5128**	0.000248332
0.000252018	0.000228886	0.000544795	0.000284127	0.000192961	0.000250462	0.000227802	0.000539896	0.000284127	0.000196781	**5129**	0.000252204
0.000249931	0.000227366	0.000535536	0.000279217	0.000187832	0.000247323	0.000225166	0.000530333	0.000279217	0.000191137	**5130**	0.000250211
0.000245128	0.000223695	0.000516397	0.000269253	0.000171042	0.000240662	0.000219522	0.000510679	0.000269253	0.000176641	**5131**	0.00024558
0.000232774	0.000213061	0.000482274	0.000252469	0.000153978	0.000227244	0.000207733	0.000476442	0.000252469	0.000161634	**5132**	0.000233365
0.000214839	0.000197278	0.0004371	0.000228955	0.000139305	0.000208274	0.000190792	0.000431573	0.000228955	0.00014743	**5133**	0.000215442
0.000189641	0.000174718	0.000378518	0.000198861	0.000127908	0.000182772	0.000167826	0.000373663	0.000198861	0.000136677	**5134**	0.000190204
0.000164258	0.000151315	0.000328074	0.000172413	0.000123351	0.00015844	0.000145478	0.000323999	0.000172413	0.000131661	**5135**	0.000164714
0.000144037	0.000132499	0.000290071	0.000152648	0.000121316	0.000139605	0.000128081	0.000286796	0.000152648	0.000129419	**5136**	0.000144363
0.000126502	0.000116102	0.000258132	0.000135823	0.000121072	0.000123393	0.000113043	0.000255588	0.000135823	0.000129162	**5137**	0.000126695
0.00011773	0.000107945	0.000241577	0.000127234	0.000122895	0.000115217	0.000105496	0.000239378	0.000127234	0.000131225	**5138**	0.000117869
0.000111621	0.000102382	0.000228562	0.000120714	0.000130933	0.00010931	0.000100132	0.000226538	0.000120714	0.000140161	**5139**	0.000111752
0.000112251	0.000102989	0.000229474	0.000121536	0.000144164	0.000109997	0.0001008	0.000227463	0.000121536	0.00015484	**5140**	0.00011239
0.000119763	0.000109906	0.000244513	0.000129624	0.000158237	0.000117315	0.000107529	0.000242312	0.000129624	0.000170428	**5141**	0.000119932
0.000128843	0.000118283	0.000262499	0.000139061	0.000164256	0.00012601	0.000115518	0.000260016	0.000139061	0.000177273	**5142**	0.000129052
0.000133206	0.000122066	0.000274208	0.000145122	0.000215858	0.000130599	0.000119575	0.000271396	0.000145122	0.000222143	**5143**	0.000133477
0.000143887	0.000131302	0.000303161	0.000159563	0.000218333	0.00014196	0.000129583	0.000300049	0.000159563	0.000224948	**5144**	0.000144151
0.000151574	0.000138328	0.000319231	0.000168009	0.000222792	0.000149512	0.000136481	0.000315941	0.000168009	0.000229833	**5145**	0.000151856
0.000162742	0.00014853	0.000342617	0.000180359	0.000223135	0.000160517	0.000146537	0.000339082	0.000180359	0.000230168	**5146**	0.000163047
0.000177343	0.000161746	0.000374758	0.000196892	0.000222095	0.000175048	0.000159711	0.000370943	0.000196892	0.000228988	**5147**	0.000177647
0.000194575	0.00017712	0.000415501	0.000217393	0.000214526	0.000192586	0.000175449	0.000411474	0.000217393	0.000222625	**5148**	0.000194822
0.000210925	0.000191791	0.000453101	0.000236525	0.000215836	0.000209104	0.000190335	0.000448836	0.000236525	0.000224091	**5149**	0.000211139
0.000228574	0.000207508	0.000495193	0.000257689	0.000212872	0.000227135	0.000206497	0.000490732	0.000257689	0.000220819	**5150**	0.000228721
0.000241757	0.000219341	0.000525464	0.000273212	0.000212733	0.000240499	0.000218551	0.000520828	0.000273212	0.000218636	**5151**	0.000241878
0.000248198	0.000225223	0.000538974	0.000280325	0.000201552	0.000246841	0.000224344	0.000534195	0.000280325	0.000206259	**5152**	0.000248332
0.000252018	0.000228886	0.000544795	0.000284127	0.000192961	0.000250462	0.000227802	0.000539896	0.000284127	0.000196781	**5153**	0.000252204
0.000249931	0.000227366	0.000535536	0.000279217	0.000187832	0.000247323	0.000225166	0.000530333	0.000279217	0.000191137	**5154**	0.000250211
0.000245128	0.000223695	0.000516397	0.000269253	0.000171042	0.000240662	0.000219522	0.000510679	0.000269253	0.000176641	**5155**	0.00024558
0.000232774	0.000213061	0.000482274	0.000252469	0.000153978	0.000227244	0.000207733	0.000476442	0.000252469	0.000161634	**5156**	0.000233365
0.000214839	0.000197278	0.0004371	0.000228955	0.000139305	0.000208274	0.000190792	0.000431573	0.000228955	0.00014743	**5157**	0.000215442
0.000189641	0.000174718	0.000378518	0.000198861	0.000127908	0.000182772	0.000167826	0.000373663	0.000198861	0.000136677	**5158**	0.000190204
0.000164258	0.000151315	0.000328074	0.000172413	0.000123351	0.00015844	0.000145478	0.000323999	0.000172413	0.000131661	**5159**	0.000164714

0.000144037	0.000132499	0.000290071	0.000152648	0.000121316	0.000139605	0.000128081	0.000286796	0.000152648	0.000129419	**5160**	0.000144363
0.000126502	0.000116102	0.000258132	0.000135823	0.000121072	0.000123393	0.000113043	0.000255588	0.000135823	0.000129162	**5161**	0.000126695
0.00011773	0.000107945	0.000241577	0.000127234	0.000122895	0.000115217	0.000105496	0.000239378	0.000127234	0.000131225	**5162**	0.000117869
0.000111621	0.000102382	0.000228562	0.000120714	0.000130933	0.00010931	0.000100132	0.000226538	0.000120714	0.000140161	**5163**	0.000111752
0.000112251	0.000102989	0.000229474	0.000121536	0.000144164	0.000109997	0.0001008	0.000227463	0.000121536	0.00015484	**5164**	0.00011239
0.000119763	0.000109906	0.000244513	0.000129624	0.000158237	0.000117315	0.000107529	0.000242312	0.000129624	0.000170428	**5165**	0.000119932
0.000128843	0.000118283	0.000262499	0.000139061	0.000164256	0.00012601	0.000115518	0.000260016	0.000139061	0.000177273	**5166**	0.000129052
0.000133206	0.000122066	0.000274208	0.000145122	0.000215858	0.000130599	0.000119575	0.000271396	0.000145122	0.000222143	**5167**	0.000133477
0.000143887	0.000131302	0.000303161	0.000159563	0.000218333	0.00014196	0.000129583	0.000300049	0.000159563	0.000224948	**5168**	0.000144151
0.000151574	0.000138328	0.000319231	0.000168009	0.000222792	0.000149512	0.000136481	0.000315941	0.000168009	0.000229833	**5169**	0.000151856
0.000162742	0.00014853	0.000342617	0.000180359	0.000223135	0.000160517	0.000146537	0.000339082	0.000180359	0.000230168	**5170**	0.000163047
0.000177343	0.000161746	0.000374758	0.000196892	0.000222095	0.000175048	0.000159711	0.000370943	0.000196892	0.000228988	**5171**	0.000177647
0.000194575	0.00017712	0.000415501	0.000217393	0.000214526	0.000192586	0.000175449	0.000411474	0.000217393	0.000222625	**5172**	0.000194822
0.000210925	0.000191791	0.000453101	0.000236525	0.000215836	0.000209104	0.000190335	0.000448836	0.000236525	0.000224091	**5173**	0.000211139
0.000228574	0.000207508	0.000495193	0.000257689	0.000212872	0.000227135	0.000206497	0.000490732	0.000257689	0.000220819	**5174**	0.000228721
0.000241757	0.000219341	0.000525464	0.000273212	0.000212733	0.000240499	0.000218551	0.000520828	0.000273212	0.000218636	**5175**	0.000241878
0.000248198	0.000225223	0.000538974	0.000280325	0.000201552	0.000246841	0.000224344	0.000534195	0.000280325	0.000206259	**5176**	0.000248332
0.000252018	0.000228886	0.000544795	0.000284127	0.000192961	0.000250462	0.000227802	0.000539896	0.000284127	0.000196781	**5177**	0.000252204
0.000249931	0.000227366	0.000535536	0.000279217	0.000187832	0.000247323	0.000225166	0.000530333	0.000279217	0.000191137	**5178**	0.000250211
0.000245128	0.000223695	0.000516397	0.000269253	0.000171042	0.000240662	0.000219522	0.000510679	0.000269253	0.000176641	**5179**	0.00024558
0.000232774	0.000213061	0.000482274	0.000252469	0.000153978	0.000227244	0.000207733	0.000476442	0.000252469	0.000161634	**5180**	0.000233365
0.000214839	0.000197278	0.0004371	0.000228955	0.000139305	0.000208274	0.000190792	0.000431573	0.000228955	0.00014743	**5181**	0.000215442
0.000189641	0.000174718	0.000378518	0.000198861	0.000127908	0.000182772	0.000167826	0.000373663	0.000198861	0.000136677	**5182**	0.000190204
0.000164258	0.000151315	0.000328074	0.000172413	0.000123351	0.00015844	0.000145478	0.000323999	0.000172413	0.000131661	**5183**	0.000164714
0.000144037	0.000132499	0.000290071	0.000152648	0.000121316	0.000139605	0.000128081	0.000286796	0.000152648	0.000129419	**5184**	0.000144363
0.000126502	0.000116102	0.000258132	0.000135823	0.000121072	0.000123393	0.000113043	0.000255588	0.000135823	0.000129162	**5185**	0.000126695
0.00011773	0.000107945	0.000241577	0.000127234	0.000122895	0.000115217	0.000105496	0.000239378	0.000127234	0.000131225	**5186**	0.000117869
0.000111621	0.000102382	0.000228562	0.000120714	0.000130933	0.00010931	0.000100132	0.000226538	0.000120714	0.000140161	**5187**	0.000111752
0.000112251	0.000102989	0.000229474	0.000121536	0.000144164	0.000109997	0.0001008	0.000227463	0.000121536	0.00015484	**5188**	0.00011239
0.000119763	0.000109906	0.000244513	0.000129624	0.000158237	0.000117315	0.000107529	0.000242312	0.000129624	0.000170428	**5189**	0.000119932
0.000128843	0.000118283	0.000262499	0.000139061	0.000164256	0.00012601	0.000115518	0.000260016	0.000139061	0.000177273	**5190**	0.000129052
0.000133206	0.000122066	0.000274208	0.000145122	0.000215858	0.000130599	0.000119575	0.000271396	0.000145122	0.000222143	**5191**	0.000133477
0.000143887	0.000131302	0.000303161	0.000159563	0.000218333	0.00014196	0.000129583	0.000300049	0.000159563	0.000224948	**5192**	0.000144151
0.000151574	0.000138328	0.000319231	0.000168009	0.000222792	0.000149512	0.000136481	0.000315941	0.000168009	0.000229833	**5193**	0.000151856
0.000162742	0.00014853	0.000342617	0.000180359	0.000223135	0.000160517	0.000146537	0.000339082	0.000180359	0.000230168	**5194**	0.000163047
0.000177343	0.000161746	0.000374758	0.000196892	0.000222095	0.000175048	0.000159711	0.000370943	0.000196892	0.000228988	**5195**	0.000177647
0.000194575	0.00017712	0.000415501	0.000217393	0.000214526	0.000192586	0.000175449	0.000411474	0.000217393	0.000222625	**5196**	0.000194822
0.000210925	0.000191791	0.000453101	0.000236525	0.000215836	0.000209104	0.000190335	0.000448836	0.000236525	0.000224091	**5197**	0.000211139
0.000228574	0.000207508	0.000495193	0.000257689	0.000212872	0.000227135	0.000206497	0.000490732	0.000257689	0.000220819	**5198**	0.000228721
0.000241757	0.000219341	0.000525464	0.000273212	0.000212733	0.000240499	0.000218551	0.000520828	0.000273212	0.000218636	**5199**	0.000241878
0.000248198	0.000225223	0.000538974	0.000280325	0.000201552	0.000246841	0.000224344	0.000534195	0.000280325	0.000206259	**5200**	0.000248332
0.000252018	0.000228886	0.000544795	0.000284127	0.000192961	0.000250462	0.000227802	0.000539896	0.000284127	0.000196781	**5201**	0.000252204
0.000249931	0.000227366	0.000535536	0.000279217	0.000187832	0.000247323	0.000225166	0.000530333	0.000279217	0.000191137	**5202**	0.000250211
0.000245128	0.000223695	0.000516397	0.000269253	0.000171042	0.000240662	0.000219522	0.000510679	0.000269253	0.000176641	**5203**	0.00024558
0.000232774	0.000213061	0.000482274	0.000252469	0.000153978	0.000227244	0.000207733	0.000476442	0.000252469	0.000161634	**5204**	0.000233365
0.000214839	0.000197278	0.0004371	0.000228955	0.000139305	0.000208274	0.000190792	0.000431573	0.000228955	0.00014743	**5205**	0.000215442
0.000189641	0.000174718	0.000378518	0.000198861	0.000127908	0.000182772	0.000167826	0.000373663	0.000198861	0.000136677	**5206**	0.000190204
0.000164258	0.000151315	0.000328074	0.000172413	0.000123351	0.00015844	0.000145478	0.000323999	0.000172413	0.000131661	**5207**	0.000164714
0.000144037	0.000132499	0.000290071	0.000152648	0.000121316	0.000139605	0.000128081	0.000286796	0.000152648	0.000129419	**5208**	0.000144363
0.000126502	0.000116102	0.000258132	0.000135823	0.000121072	0.000123393	0.000113043	0.000255588	0.000135823	0.000129162	**5209**	0.000126695
0.00011773	0.000107945	0.000241577	0.000127234	0.000122895	0.000115217	0.000105496	0.000239378	0.000127234	0.000131225	**5210**	0.000117869
0.000111621	0.000102382	0.000228562	0.000120714	0.000130933	0.00010931	0.000100132	0.000226538	0.000120714	0.000140161	**5211**	0.000111752
0.000112251	0.000102989	0.000229474	0.000121536	0.000144164	0.000109997	0.0001008	0.000227463	0.000121536	0.00015484	**5212**	0.00011239
0.000119763	0.000109906	0.000244513	0.000129624	0.000158237	0.000117315	0.000107529	0.000242312	0.000129624	0.000170428	**5213**	0.000119932
0.000128843	0.000118283	0.000262499	0.000139061	0.000164256	0.00012601	0.000115518	0.000260016	0.000139061	0.000177273	**5214**	0.000129052
0.000133206	0.000122066	0.000274208	0.000145122	0.000215858	0.000130599	0.000119575	0.000271396	0.000145122	0.000222143	**5215**	0.000133477
0.000143887	0.000131302	0.000303161	0.000159563	0.000218333	0.00014196	0.000129583	0.000300049	0.000159563	0.000224948	**5216**	0.000144151
0.000151574	0.000138328	0.000319231	0.000168009	0.000222792	0.000149512	0.000136481	0.000315941	0.000168009	0.000229833	**5217**	0.000151856
0.000162742	0.00014853	0.000342617	0.000180359	0.000223135	0.000160517	0.000146537	0.000339082	0.000180359	0.000230168	**5218**	0.000163047
0.000177343	0.000161746	0.000374758	0.000196892	0.000222095	0.000175048	0.000159711	0.000370943	0.000196892	0.000228988	**5219**	0.000177647
0.000194575	0.00017712	0.000415501	0.000217393	0.000214526	0.000192586	0.000175449	0.000411474	0.000217393	0.000222625	**5220**	0.000194822
0.000210925	0.000191791	0.000453101	0.000236525	0.000215836	0.000209104	0.000190335	0.000448836	0.000236525	0.000224091	**5221**	0.000211139
0.000228574	0.000207508	0.000495193	0.000257689	0.000212872	0.000227135	0.000206497	0.000490732	0.000257689	0.000220819	**5222**	0.000228721
0.000241757	0.000219341	0.000525464	0.000273212	0.000212733	0.000240499	0.000218551	0.000520828	0.000273212	0.000218636	**5223**	0.000241878
0.000248198	0.000225223	0.000538974	0.000280325	0.000201552	0.000246841	0.000224344	0.000534195	0.000280325	0.000206259	**5224**	0.000248332
0.000252018	0.000228886	0.000544795	0.000284127	0.000192961	0.000250462	0.000227802	0.000539896	0.000284127	0.000196781	**5225**	0.000252204
0.000249931	0.000227366	0.000535536	0.000279217	0.000187832	0.000247323	0.000225166	0.000530333	0.000279217	0.000191137	**5226**	0.000250211
0.000245128	0.000223695	0.000516397	0.000269253	0.000171042	0.000240662	0.000219522	0.000510679	0.000269253	0.000176641	**5227**	0.00024558
0.000232774	0.000213061	0.000482274	0.000252469	0.000153978	0.000227244	0.000207733	0.000476442	0.000252469	0.000161634	**5228**	0.000233365
0.000214839	0.000197278	0.0004371	0.000228955	0.000139305	0.000208274	0.000190792	0.000431573	0.000228955	0.00014743	**5229**	0.000215442
0.000189641	0.000174718	0.000378518	0.000198861	0.000127908	0.000182772	0.000167826	0.000373663	0.000198861	0.000136677	**5230**	0.000190204
0.000164258	0.000151315	0.000328074	0.000172413	0.000123351	0.00015844	0.000145478	0.000323999	0.000172413	0.000131661	**5231**	0.000164714
0.000144037	0.000132499	0.000290071	0.000152648	0.000121316	0.000139605	0.000128081	0.000286796	0.000152648	0.000129419	**5232**	0.000144363
0.000125855	0.000115526	0.000256593	0.000135064	0.000121239	0.000122739	0.000112458	0.000254058	0.000135064	0.000129338	**5233**	0.000126051
0.000117048	0.000107331	0.000240039	0.000126441	0.000122589	0.000114529	0.000104874	0.000237851	0.000126441	0.000130888	**5234**	0.000117188
0.000110844	0.000101684	0.000226785	0.000119808	0.000130663	0.000108526	9.94245E-05	0.000224773	0.000119808	0.000139866	**5235**	0.000110976

0.000111686	0.000102482	0.000228185	0.000120878	0.000143907	0.000109428	0.000100287	0.000226183	0.000120878	0.000154558	**5236**	0.000111827
0.000119358	0.000109543	0.000243583	0.000129151	0.000157987	0.000116907	0.000107161	0.000241388	0.000129151	0.000170153	**5237**	0.000119528
0.000128748	0.000118196	0.0002623	0.000138952	0.000164258	0.000125915	0.000115431	0.000259819	0.000138952	0.000177276	**5238**	0.000128957
0.00013457	0.000123543	0.00027414	0.000145174	0.000215351	0.000131464	0.000120514	0.000271326	0.000145174	0.000221582	**5239**	0.000134844
0.000143386	0.000130852	0.000302026	0.00015898	0.000218098	0.000141455	0.000129127	0.000298921	0.00015898	0.00022469	**5240**	0.000143651
0.00015074	0.000137574	0.000317383	0.000167042	0.000222558	0.000148671	0.000135719	0.000314106	0.000167042	0.00022958	**5241**	0.000151022
0.000161425	0.000147344	0.000339653	0.000178828	0.000222718	0.00015919	0.000145336	0.000336139	0.000178828	0.000229715	**5242**	0.000161731
0.000175369	0.000159963	0.000370357	0.000194601	0.00022161	0.000173059	0.000157908	0.000366571	0.000194601	0.000228462	**5243**	0.000175674
0.000192219	0.000174989	0.000410299	0.000214664	0.000214067	0.000190213	0.000173295	0.000406308	0.000214664	0.000222127	**5244**	0.000192466
0.000207495	0.000188703	0.000445333	0.000232532	0.000215293	0.000205645	0.000187209	0.00044112	0.000232532	0.0002235	**5245**	0.000207712
0.000224102	0.000203495	0.000484919	0.000252469	0.000212191	0.000222623	0.000202431	0.000480525	0.000252469	0.000220076	**5246**	0.000224257
0.000237052	0.000215119	0.000514653	0.000267721	0.000212222	0.000235752	0.000214273	0.000510088	0.000267721	0.000218082	**5247**	0.000237182
0.000243399	0.000220922	0.00052789	0.000274719	0.000201049	0.000241999	0.000219984	0.000523183	0.000274719	0.000205715	**5248**	0.000243544
0.000247355	0.000224696	0.000534134	0.000278689	0.000192445	0.000245758	0.000223559	0.000529305	0.000278689	0.000196223	**5249**	0.000247549
0.0002449	0.000222851	0.000523961	0.000273343	0.000187284	0.000242246	0.000220592	0.000518833	0.000273343	0.000190544	**5250**	0.00024519
0.000240868	0.000219866	0.000506681	0.000264288	0.000170433	0.000236366	0.000215644	0.000501027	0.000264288	0.00017598	**5251**	0.000241327
0.000228808	0.000209497	0.000473213	0.000247845	0.000153352	0.000223243	0.000204125	0.00046744	0.000247845	0.000160955	**5252**	0.000229406
0.000209776	0.000192472	0.000428795	0.000224599	0.000138616	0.00020368	0.000186483	0.000423325	0.000224599	0.00014668	**5253**	0.000210381
0.000186537	0.000171926	0.000371466	0.000195246	0.000127125	0.000179642	0.000165001	0.000366658	0.000195246	0.000135824	**5254**	0.000187105
0.000161848	0.000149142	0.00032266	0.000169611	0.000122638	0.00015601	0.000143279	0.000318621	0.000169611	0.000130883	**5255**	0.000162305
0.000142656	0.00013125	0.000287011	0.000151048	0.000121017	0.000138214	0.000126819	0.000283758	0.000151048	0.000129094	**5256**	0.000142982
0.000125855	0.000115526	0.000256593	0.000135064	0.000121239	0.000122739	0.000112458	0.000254058	0.000135064	0.000129338	**5257**	0.000126051
0.000117048	0.000107331	0.000240039	0.000126441	0.000122589	0.000114529	0.000104874	0.000237851	0.000126441	0.000130888	**5258**	0.000117188
0.000110844	0.000101684	0.000226785	0.000119808	0.000130663	0.000108526	9.94245E-05	0.000224773	0.000119808	0.000139866	**5259**	0.000110976
0.000111686	0.000102482	0.000228185	0.000120878	0.000143907	0.000109428	0.000100287	0.000226183	0.000120878	0.000154558	**5260**	0.000111827
0.000119358	0.000109543	0.000243583	0.000129151	0.000157987	0.000116907	0.000107161	0.000241388	0.000129151	0.000170153	**5261**	0.000119528
0.000128748	0.000118196	0.0002623	0.000138952	0.000164258	0.000125915	0.000115431	0.000259819	0.000138952	0.000177276	**5262**	0.000128957
0.00013457	0.000123543	0.00027414	0.000145174	0.000215351	0.000131464	0.000120514	0.000271326	0.000145174	0.000221582	**5263**	0.000134844
0.000143386	0.000130852	0.000302026	0.00015898	0.000218098	0.000141455	0.000129127	0.000298921	0.00015898	0.00022469	**5264**	0.000143651
0.00015074	0.000137574	0.000317383	0.000167042	0.000222558	0.000148671	0.000135719	0.000314106	0.000167042	0.00022958	**5265**	0.000151022
0.000161425	0.000147344	0.000339653	0.000178828	0.000222718	0.00015919	0.000145336	0.000336139	0.000178828	0.000229715	**5266**	0.000161731
0.000175369	0.000159963	0.000370357	0.000194601	0.00022161	0.000173059	0.000157908	0.000366571	0.000194601	0.000228462	**5267**	0.000175674
0.000192219	0.000174989	0.000410299	0.000214664	0.000214067	0.000190213	0.000173295	0.000406308	0.000214664	0.000222127	**5268**	0.000192466
0.000207495	0.000188703	0.000445333	0.000232532	0.000215293	0.000205645	0.000187209	0.00044112	0.000232532	0.0002235	**5269**	0.000207712
0.000224102	0.000203495	0.000484919	0.000252469	0.000212191	0.000222623	0.000202431	0.000480525	0.000252469	0.000220076	**5270**	0.000224257
0.000237052	0.000215119	0.000514653	0.000267721	0.000212222	0.000235752	0.000214273	0.000510088	0.000267721	0.000218082	**5271**	0.000237182
0.000243399	0.000220922	0.00052789	0.000274719	0.000201049	0.000241999	0.000219984	0.000523183	0.000274719	0.000205715	**5272**	0.000243544
0.000247355	0.000224696	0.000534134	0.000278689	0.000192445	0.000245758	0.000223559	0.000529305	0.000278689	0.000196223	**5273**	0.000247549
0.0002449	0.000222851	0.000523961	0.000273343	0.000187284	0.000242246	0.000220592	0.000518833	0.000273343	0.000190544	**5274**	0.00024519
0.000240868	0.000219866	0.000506681	0.000264288	0.000170433	0.000236366	0.000215644	0.000501027	0.000264288	0.00017598	**5275**	0.000241327
0.000228808	0.000209497	0.000473213	0.000247845	0.000153352	0.000223243	0.000204125	0.00046744	0.000247845	0.000160955	**5276**	0.000229406
0.000209776	0.000192472	0.000428795	0.000224599	0.000138616	0.00020368	0.000186483	0.000423325	0.000224599	0.00014668	**5277**	0.000210381
0.000186537	0.000171926	0.000371466	0.000195246	0.000127125	0.000179642	0.000165001	0.000366658	0.000195246	0.000135824	**5278**	0.000187105
0.000161848	0.000149142	0.00032266	0.000169611	0.000122638	0.00015601	0.000143279	0.000318621	0.000169611	0.000130883	**5279**	0.000162305
0.000142656	0.00013125	0.000287011	0.000151048	0.000121017	0.000138214	0.000126819	0.000283758	0.000151048	0.000129094	**5280**	0.000142982
0.000126502	0.000116102	0.000258132	0.000135823	0.000121072	0.000123393	0.000113043	0.000255588	0.000135823	0.000129162	**5281**	0.000126695
0.00011773	0.000107945	0.000241577	0.000127234	0.000122895	0.000115217	0.000105496	0.000239378	0.000127234	0.000131225	**5282**	0.000117869
0.000111621	0.000102382	0.000228562	0.000120714	0.000130933	0.00010931	0.000100132	0.000226538	0.000120714	0.000140161	**5283**	0.000111752
0.000112251	0.000102989	0.000229474	0.000121536	0.000144164	0.000109997	0.0001008	0.000227463	0.000121536	0.00015484	**5284**	0.00011239
0.000119763	0.000109906	0.000244513	0.000129624	0.000158237	0.000117315	0.000107529	0.000242312	0.000129624	0.000170428	**5285**	0.000119932
0.000128843	0.000118283	0.000262499	0.000139061	0.000164256	0.00012601	0.000115518	0.000260016	0.000139061	0.000177273	**5286**	0.000129052
0.000133206	0.000122066	0.000274208	0.000145122	0.000215858	0.000130599	0.000119575	0.000271396	0.000145122	0.000222143	**5287**	0.000133477
0.000143887	0.000131302	0.000303161	0.000159563	0.000218333	0.00014196	0.000129583	0.000300049	0.000159563	0.000224948	**5288**	0.000144151
0.000151574	0.000138328	0.000319231	0.000168009	0.000222792	0.000149512	0.000136481	0.000315941	0.000168009	0.000229833	**5289**	0.000151856
0.000162742	0.00014853	0.000342617	0.000180359	0.000223135	0.000160517	0.000146537	0.000339082	0.000180359	0.000230168	**5290**	0.000163047
0.000177343	0.000161746	0.000374758	0.000196892	0.000222095	0.000175048	0.000159711	0.000370943	0.000196892	0.000228988	**5291**	0.000177647
0.000194575	0.00017712	0.000415501	0.000217393	0.000214526	0.000192586	0.000175449	0.000411474	0.000217393	0.000222625	**5292**	0.000194822
0.000210925	0.000191791	0.000453101	0.000236525	0.000215836	0.000209104	0.000190335	0.000448836	0.000236525	0.000224091	**5293**	0.000211139
0.000228574	0.000207508	0.000495193	0.000257689	0.000212872	0.000227135	0.000206497	0.000490732	0.000257689	0.000220819	**5294**	0.000228721
0.000241757	0.000219341	0.000525464	0.000273212	0.000212733	0.000240499	0.000218551	0.000520828	0.000273212	0.000218636	**5295**	0.000241878
0.000248198	0.000225223	0.000538974	0.000280325	0.000201552	0.000246841	0.000224344	0.000534195	0.000280325	0.000206259	**5296**	0.000248332
0.000252018	0.000228886	0.000544795	0.000284127	0.000192961	0.000250462	0.000227802	0.000539896	0.000284127	0.000196781	**5297**	0.000252204
0.000249931	0.000227366	0.000535536	0.000279217	0.000187832	0.000247323	0.000225166	0.000530333	0.000279217	0.000191137	**5298**	0.000250211
0.000245128	0.000223695	0.000516397	0.000269253	0.000171042	0.000240662	0.000219522	0.000510679	0.000269253	0.000176641	**5299**	0.00024558
0.000232774	0.000213061	0.000482274	0.000252469	0.000153978	0.000227244	0.000207733	0.000476442	0.000252469	0.000161634	**5300**	0.000233365
0.000214839	0.000197278	0.0004371	0.000228955	0.000139305	0.000208274	0.000190792	0.000431573	0.000228955	0.00014743	**5301**	0.000215442
0.000189641	0.000174718	0.000378518	0.000198861	0.000127908	0.000182772	0.000167826	0.000373663	0.000198861	0.000136677	**5302**	0.000190204
0.000164258	0.000151315	0.000328074	0.000172413	0.000123351	0.00015844	0.000145478	0.000323999	0.000172413	0.000131661	**5303**	0.000164714
0.000144037	0.000132499	0.000290071	0.000152648	0.000121316	0.000139605	0.000128081	0.000286796	0.000152648	0.000129419	**5304**	0.000144363
0.000126502	0.000116102	0.000258132	0.000135823	0.000121072	0.000123393	0.000113043	0.000255588	0.000135823	0.000129162	**5305**	0.000126695
0.00011773	0.000107945	0.000241577	0.000127234	0.000122895	0.000115217	0.000105496	0.000239378	0.000127234	0.000131225	**5306**	0.000117869
0.000111621	0.000102382	0.000228562	0.000120714	0.000130933	0.00010931	0.000100132	0.000226538	0.000120714	0.000140161	**5307**	0.000111752
0.000112251	0.000102989	0.000229474	0.000121536	0.000144164	0.000109997	0.0001008	0.000227463	0.000121536	0.00015484	**5308**	0.00011239
0.000119763	0.000109906	0.000244513	0.000129624	0.000158237	0.000117315	0.000107529	0.000242312	0.000129624	0.000170428	**5309**	0.000119932
0.000128843	0.000118283	0.000262499	0.000139061	0.000164256	0.00012601	0.000115518	0.000260016	0.000139061	0.000177273	**5310**	0.000129052
0.000133206	0.000122066	0.000274208	0.000145122	0.000215858	0.000130599	0.000119575	0.000271396	0.000145122	0.000222143	**5311**	0.000133477

0.000143887	0.000131302	0.000303161	0.000159563	0.000218333	0.00014196	0.000129583	0.000300049	0.000159563	0.000224948	**5312**	0.000144151
0.000151574	0.000138328	0.000319231	0.000168009	0.000222792	0.000149512	0.000136481	0.000315941	0.000168009	0.000229833	**5313**	0.000151856
0.000162742	0.00014853	0.000342617	0.000180359	0.000223135	0.000160517	0.000146537	0.000339082	0.000180359	0.000230168	**5314**	0.000163047
0.000177343	0.000161746	0.000374758	0.000196892	0.000222095	0.000175048	0.000159711	0.000370943	0.000196892	0.000228988	**5315**	0.000177647
0.000194575	0.00017712	0.000415501	0.000217393	0.000214526	0.000192586	0.000175449	0.000411474	0.000217393	0.000222625	**5316**	0.000194822
0.000210925	0.000191791	0.000453101	0.000236525	0.000215836	0.000209104	0.000190335	0.000448836	0.000236525	0.000224091	**5317**	0.000211139
0.000228574	0.000207508	0.000495193	0.000257689	0.000212872	0.000227135	0.000206497	0.000490732	0.000257689	0.000220819	**5318**	0.000228721
0.000241757	0.000219341	0.000525464	0.000273212	0.000212733	0.000240499	0.000218551	0.000520828	0.000273212	0.000218636	**5319**	0.000241878
0.000248198	0.000225223	0.000538974	0.000280325	0.000201552	0.000246841	0.000224344	0.000534195	0.000280325	0.000206259	**5320**	0.000248332
0.000252018	0.000228886	0.000544795	0.000284127	0.000192961	0.000250462	0.000227802	0.000539896	0.000284127	0.000196781	**5321**	0.000252204
0.000249931	0.000227366	0.000535536	0.000279217	0.000187832	0.000247323	0.000225166	0.000530333	0.000279217	0.000191137	**5322**	0.000250211
0.000245128	0.000223695	0.000516397	0.000269253	0.000171042	0.000240662	0.000219522	0.000510679	0.000269253	0.000176641	**5323**	0.00024558
0.000232774	0.000213061	0.000482274	0.000252469	0.000153978	0.000227244	0.000207733	0.000476442	0.000252469	0.000161634	**5324**	0.000233365
0.000214839	0.000197278	0.0004371	0.000228955	0.000139305	0.000208274	0.000190792	0.000431573	0.000228955	0.00014743	**5325**	0.000215442
0.000189641	0.000174718	0.000378518	0.000198861	0.000127908	0.000182772	0.000167826	0.000373663	0.000198861	0.000136677	**5326**	0.000190204
0.000164258	0.000151315	0.000328074	0.000172413	0.000123351	0.00015844	0.000145478	0.000323999	0.000172413	0.000131661	**5327**	0.000164714
0.000144037	0.000132499	0.000290071	0.000152648	0.000121316	0.000139605	0.000128081	0.000286796	0.000152648	0.000129419	**5328**	0.000144363
0.000126502	0.000116102	0.000258132	0.000135823	0.000121072	0.000123393	0.000113043	0.000255588	0.000135823	0.000129162	**5329**	0.000126695
0.00011773	0.000107945	0.000241577	0.000127234	0.000122895	0.000115217	0.000105496	0.000239378	0.000127234	0.000131225	**5330**	0.000117869
0.000111621	0.000102382	0.000228562	0.000120714	0.000130933	0.00010931	0.000100132	0.000226538	0.000120714	0.000140161	**5331**	0.000111752
0.000112251	0.000102989	0.000229474	0.000121536	0.000144164	0.000109997	0.0001008	0.000227463	0.000121536	0.00015484	**5332**	0.00011239
0.000119763	0.000109906	0.000244513	0.000129624	0.000158237	0.000117315	0.000107529	0.000242312	0.000129624	0.000170428	**5333**	0.000119932
0.000128843	0.000118283	0.000262499	0.000139061	0.000164256	0.00012601	0.000115518	0.000260016	0.000139061	0.000177273	**5334**	0.000129052
0.000133206	0.000122066	0.000274208	0.000145122	0.000215858	0.000130599	0.000119575	0.000271396	0.000145122	0.000222143	**5335**	0.000133477
0.000143887	0.000131302	0.000303161	0.000159563	0.000218333	0.00014196	0.000129583	0.000300049	0.000159563	0.000224948	**5336**	0.000144151
0.000151574	0.000138328	0.000319231	0.000168009	0.000222792	0.000149512	0.000136481	0.000315941	0.000168009	0.000229833	**5337**	0.000151856
0.000162742	0.00014853	0.000342617	0.000180359	0.000223135	0.000160517	0.000146537	0.000339082	0.000180359	0.000230168	**5338**	0.000163047
0.000177343	0.000161746	0.000374758	0.000196892	0.000222095	0.000175048	0.000159711	0.000370943	0.000196892	0.000228988	**5339**	0.000177647
0.000194575	0.00017712	0.000415501	0.000217393	0.000214526	0.000192586	0.000175449	0.000411474	0.000217393	0.000222625	**5340**	0.000194822
0.000210925	0.000191791	0.000453101	0.000236525	0.000215836	0.000209104	0.000190335	0.000448836	0.000236525	0.000224091	**5341**	0.000211139
0.000228574	0.000207508	0.000495193	0.000257689	0.000212872	0.000227135	0.000206497	0.000490732	0.000257689	0.000220819	**5342**	0.000228721
0.000241757	0.000219341	0.000525464	0.000273212	0.000212733	0.000240499	0.000218551	0.000520828	0.000273212	0.000218636	**5343**	0.000241878
0.000248198	0.000225223	0.000538974	0.000280325	0.000201552	0.000246841	0.000224344	0.000534195	0.000280325	0.000206259	**5344**	0.000248332
0.000252018	0.000228886	0.000544795	0.000284127	0.000192961	0.000250462	0.000227802	0.000539896	0.000284127	0.000196781	**5345**	0.000252204
0.000249931	0.000227366	0.000535536	0.000279217	0.000187832	0.000247323	0.000225166	0.000530333	0.000279217	0.000191137	**5346**	0.000250211
0.000245128	0.000223695	0.000516397	0.000269253	0.000171042	0.000240662	0.000219522	0.000510679	0.000269253	0.000176641	**5347**	0.00024558
0.000232774	0.000213061	0.000482274	0.000252469	0.000153978	0.000227244	0.000207733	0.000476442	0.000252469	0.000161634	**5348**	0.000233365
0.000214839	0.000197278	0.0004371	0.000228955	0.000139305	0.000208274	0.000190792	0.000431573	0.000228955	0.00014743	**5349**	0.000215442
0.000189641	0.000174718	0.000378518	0.000198861	0.000127908	0.000182772	0.000167826	0.000373663	0.000198861	0.000136677	**5350**	0.000190204
0.000164258	0.000151315	0.000328074	0.000172413	0.000123351	0.00015844	0.000145478	0.000323999	0.000172413	0.000131661	**5351**	0.000164714
0.000144037	0.000132499	0.000290071	0.000152648	0.000121316	0.000139605	0.000128081	0.000286796	0.000152648	0.000129419	**5352**	0.000144363
0.000126502	0.000116102	0.000258132	0.000135823	0.000121072	0.000123393	0.000113043	0.000255588	0.000135823	0.000129162	**5353**	0.000126695
0.00011773	0.000107945	0.000241577	0.000127234	0.000122895	0.000115217	0.000105496	0.000239378	0.000127234	0.000131225	**5354**	0.000117869
0.000111621	0.000102382	0.000228562	0.000120714	0.000130933	0.00010931	0.000100132	0.000226538	0.000120714	0.000140161	**5355**	0.000111752
0.000112251	0.000102989	0.000229474	0.000121536	0.000144164	0.000109997	0.0001008	0.000227463	0.000121536	0.00015484	**5356**	0.00011239
0.000119763	0.000109906	0.000244513	0.000129624	0.000158237	0.000117315	0.000107529	0.000242312	0.000129624	0.000170428	**5357**	0.000119932
0.000128843	0.000118283	0.000262499	0.000139061	0.000164256	0.00012601	0.000115518	0.000260016	0.000139061	0.000177273	**5358**	0.000129052
0.000133206	0.000122066	0.000274208	0.000145122	0.000215858	0.000130599	0.000119575	0.000271396	0.000145122	0.000222143	**5359**	0.000133477
0.000143887	0.000131302	0.000303161	0.000159563	0.000218333	0.00014196	0.000129583	0.000300049	0.000159563	0.000224948	**5360**	0.000144151
0.000151574	0.000138328	0.000319231	0.000168009	0.000222792	0.000149512	0.000136481	0.000315941	0.000168009	0.000229833	**5361**	0.000151856
0.000162742	0.00014853	0.000342617	0.000180359	0.000223135	0.000160517	0.000146537	0.000339082	0.000180359	0.000230168	**5362**	0.000163047
0.000177343	0.000161746	0.000374758	0.000196892	0.000222095	0.000175048	0.000159711	0.000370943	0.000196892	0.000228988	**5363**	0.000177647
0.000194575	0.00017712	0.000415501	0.000217393	0.000214526	0.000192586	0.000175449	0.000411474	0.000217393	0.000222625	**5364**	0.000194822
0.000210925	0.000191791	0.000453101	0.000236525	0.000215836	0.000209104	0.000190335	0.000448836	0.000236525	0.000224091	**5365**	0.000211139
0.000228574	0.000207508	0.000495193	0.000257689	0.000212872	0.000227135	0.000206497	0.000490732	0.000257689	0.000220819	**5366**	0.000228721
0.000241757	0.000219341	0.000525464	0.000273212	0.000212733	0.000240499	0.000218551	0.000520828	0.000273212	0.000218636	**5367**	0.000241878
0.000248198	0.000225223	0.000538974	0.000280325	0.000201552	0.000246841	0.000224344	0.000534195	0.000280325	0.000206259	**5368**	0.000248332
0.000252018	0.000228886	0.000544795	0.000284127	0.000192961	0.000250462	0.000227802	0.000539896	0.000284127	0.000196781	**5369**	0.000252204
0.000249931	0.000227366	0.000535536	0.000279217	0.000187832	0.000247323	0.000225166	0.000530333	0.000279217	0.000191137	**5370**	0.000250211
0.000245128	0.000223695	0.000516397	0.000269253	0.000171042	0.000240662	0.000219522	0.000510679	0.000269253	0.000176641	**5371**	0.00024558
0.000232774	0.000213061	0.000482274	0.000252469	0.000153978	0.000227244	0.000207733	0.000476442	0.000252469	0.000161634	**5372**	0.000233365
0.000214839	0.000197278	0.0004371	0.000228955	0.000139305	0.000208274	0.000190792	0.000431573	0.000228955	0.00014743	**5373**	0.000215442
0.000189641	0.000174718	0.000378518	0.000198861	0.000127908	0.000182772	0.000167826	0.000373663	0.000198861	0.000136677	**5374**	0.000190204
0.000164258	0.000151315	0.000328074	0.000172413	0.000123351	0.00015844	0.000145478	0.000323999	0.000172413	0.000131661	**5375**	0.000164714
0.000144037	0.000132499	0.000290071	0.000152648	0.000121316	0.000139605	0.000128081	0.000286796	0.000152648	0.000129419	**5376**	0.000144363
0.000126502	0.000116102	0.000258132	0.000135823	0.000121072	0.000123393	0.000113043	0.000255588	0.000135823	0.000129162	**5377**	0.000126695
0.00011773	0.000107945	0.000241577	0.000127234	0.000122895	0.000115217	0.000105496	0.000239378	0.000127234	0.000131225	**5378**	0.000117869
0.000111621	0.000102382	0.000228562	0.000120714	0.000130933	0.00010931	0.000100132	0.000226538	0.000120714	0.000140161	**5379**	0.000111752
0.000112251	0.000102989	0.000229474	0.000121536	0.000144164	0.000109997	0.0001008	0.000227463	0.000121536	0.00015484	**5380**	0.00011239
0.000119763	0.000109906	0.000244513	0.000129624	0.000158237	0.000117315	0.000107529	0.000242312	0.000129624	0.000170428	**5381**	0.000119932
0.000128843	0.000118283	0.000262499	0.000139061	0.000164256	0.00012601	0.000115518	0.000260016	0.000139061	0.000177273	**5382**	0.000129052
0.000133206	0.000122066	0.000274208	0.000145122	0.000215858	0.000130599	0.000119575	0.000271396	0.000145122	0.000222143	**5383**	0.000133477
0.000143887	0.000131302	0.000303161	0.000159563	0.000218333	0.00014196	0.000129583	0.000300049	0.000159563	0.000224948	**5384**	0.000144151
0.000151574	0.000138328	0.000319231	0.000168009	0.000222792	0.000149512	0.000136481	0.000315941	0.000168009	0.000229833	**5385**	0.000151856
0.000162742	0.00014853	0.000342617	0.000180359	0.000223135	0.000160517	0.000146537	0.000339082	0.000180359	0.000230168	**5386**	0.000163047
0.000177343	0.000161746	0.000374758	0.000196892	0.000222095	0.000175048	0.000159711	0.000370943	0.000196892	0.000228988	**5387**	0.000177647

0.000194575	0.00017712	0.000415501	0.000217393	0.000214526	0.000192586	0.000175449	0.000411474	0.000217393	0.000222625	**5388**	0.000194822
0.000210925	0.000191791	0.000453101	0.000236525	0.000215836	0.000209104	0.000190335	0.000448836	0.000236525	0.000224091	**5389**	0.000211139
0.000228574	0.000207508	0.000495193	0.000257689	0.000212872	0.000227135	0.000206497	0.000490732	0.000257689	0.000220819	**5390**	0.000228721
0.000241757	0.000219341	0.000525464	0.000273212	0.000212733	0.000240499	0.000218551	0.000520828	0.000273212	0.000218636	**5391**	0.000241878
0.000248198	0.000225223	0.000538974	0.000280325	0.000201552	0.000246841	0.000224344	0.000534195	0.000280325	0.000206259	**5392**	0.000248332
0.000252018	0.000228886	0.000544795	0.000284127	0.000192961	0.000250462	0.000227802	0.000539896	0.000284127	0.000196781	**5393**	0.000252204
0.000249931	0.000227366	0.000535536	0.000279217	0.000187832	0.000247323	0.000225166	0.000530333	0.000279217	0.000191137	**5394**	0.000250211
0.000245128	0.000223695	0.000516397	0.000269253	0.000171042	0.000240662	0.000219522	0.000510679	0.000269253	0.000176641	**5395**	0.00024558
0.000232774	0.000213061	0.000482274	0.000252469	0.000153978	0.000227244	0.000207733	0.000476442	0.000252469	0.000161634	**5396**	0.000233365
0.000214839	0.000197278	0.0004371	0.000228955	0.000139305	0.000208274	0.000190792	0.000431573	0.000228955	0.00014743	**5397**	0.000215442
0.000189641	0.000174718	0.000378518	0.000198861	0.000127908	0.000182772	0.000167826	0.000373663	0.000198861	0.000136677	**5398**	0.000190204
0.000164258	0.000151315	0.000328074	0.000172413	0.000123351	0.00015844	0.000145478	0.000323999	0.000172413	0.000131661	**5399**	0.000164714
0.000144037	0.000132499	0.000290071	0.000152648	0.000121316	0.000139605	0.000128081	0.000286796	0.000152648	0.000129419	**5400**	0.000144363
0.000125855	0.000115526	0.000256593	0.000135064	0.000121239	0.000122739	0.000112458	0.000254058	0.000135064	0.000129338	**5401**	0.000126051
0.000117048	0.000107331	0.000240039	0.000126441	0.000122589	0.000114529	0.000104874	0.000237851	0.000126441	0.000130888	**5402**	0.000117188
0.000110844	0.000101684	0.000226785	0.000119808	0.000130663	0.000108526	9.94245E-05	0.000224773	0.000119808	0.000139866	**5403**	0.000110976
0.000111686	0.000102482	0.000228185	0.000120878	0.000143907	0.000109428	0.000100287	0.000226183	0.000120878	0.000154558	**5404**	0.000111827
0.000119358	0.000109543	0.000243583	0.000129151	0.000157987	0.000116907	0.000107161	0.000241388	0.000129151	0.000170153	**5405**	0.000119528
0.000128748	0.000118196	0.0002623	0.000138952	0.000164258	0.000125915	0.000115431	0.000259819	0.000138952	0.000177276	**5406**	0.000128957
0.00013457	0.000123543	0.00027414	0.000145174	0.000215351	0.000131464	0.000120514	0.000271326	0.000145174	0.000221582	**5407**	0.000134844
0.000143386	0.000130852	0.000302026	0.00015898	0.000218098	0.000141455	0.000129127	0.000298921	0.00015898	0.00022469	**5408**	0.000143651
0.00015074	0.000137574	0.000317383	0.000167042	0.000222558	0.000148671	0.000135719	0.000314106	0.000167042	0.00022958	**5409**	0.000151022
0.000161425	0.000147344	0.000339653	0.000178828	0.000222718	0.00015919	0.000145336	0.000336139	0.000178828	0.000229715	**5410**	0.000161731
0.000175369	0.000159963	0.000370357	0.000194601	0.00022161	0.000173059	0.000157908	0.000366571	0.000194601	0.000228462	**5411**	0.000175674
0.000192219	0.000174989	0.000410299	0.000214664	0.000214067	0.000190213	0.000173295	0.000406308	0.000214664	0.000222127	**5412**	0.000192466
0.000207495	0.000188703	0.000445333	0.000232532	0.000215293	0.000205645	0.000187209	0.00044112	0.000232532	0.0002235	**5413**	0.000207712
0.000224102	0.000203495	0.000484919	0.000252469	0.000212191	0.000222623	0.000202431	0.000480525	0.000252469	0.000220076	**5414**	0.000224257
0.000237052	0.000215119	0.000514653	0.000267721	0.000212222	0.000235752	0.000214273	0.000510088	0.000267721	0.000218082	**5415**	0.000237182
0.000243399	0.000220922	0.00052789	0.000274719	0.000201049	0.000241999	0.000219984	0.000523183	0.000274719	0.000205715	**5416**	0.000243544
0.000247355	0.000224696	0.000534134	0.000278689	0.000192445	0.000245758	0.000223559	0.000529305	0.000278689	0.000196223	**5417**	0.000247549
0.0002449	0.000222851	0.000523961	0.000273343	0.000187284	0.000242246	0.000220592	0.000518833	0.000273343	0.000190544	**5418**	0.00024519
0.000240868	0.000219866	0.000506681	0.000264288	0.000170433	0.000236366	0.000215644	0.000501027	0.000264288	0.00017598	**5419**	0.000241327
0.000228808	0.000209497	0.000473213	0.000247845	0.000153352	0.000223243	0.000204125	0.00046744	0.000247845	0.000160955	**5420**	0.000229406
0.000209776	0.000192472	0.000428795	0.000224599	0.000138616	0.00020368	0.000186483	0.000423325	0.000224599	0.00014668	**5421**	0.000210381
0.000186537	0.000171926	0.000371466	0.000195246	0.000127125	0.000179642	0.000165001	0.000366658	0.000195246	0.000135824	**5422**	0.000187105
0.000161848	0.000149142	0.00032266	0.000169611	0.000122638	0.00015601	0.000143279	0.000318621	0.000169611	0.000130883	**5423**	0.000162305
0.000142656	0.00013125	0.000287011	0.000151048	0.000121017	0.000138214	0.000126819	0.000283758	0.000151048	0.000129094	**5424**	0.000142982
0.000125855	0.000115526	0.000256593	0.000135064	0.000121239	0.000122739	0.000112458	0.000254058	0.000135064	0.000129338	**5425**	0.000126051
0.000117048	0.000107331	0.000240039	0.000126441	0.000122589	0.000114529	0.000104874	0.000237851	0.000126441	0.000130888	**5426**	0.000117188
0.000110844	0.000101684	0.000226785	0.000119808	0.000130663	0.000108526	9.94245E-05	0.000224773	0.000119808	0.000139866	**5427**	0.000110976
0.000111686	0.000102482	0.000228185	0.000120878	0.000143907	0.000109428	0.000100287	0.000226183	0.000120878	0.000154558	**5428**	0.000111827
0.000119358	0.000109543	0.000243583	0.000129151	0.000157987	0.000116907	0.000107161	0.000241388	0.000129151	0.000170153	**5429**	0.000119528
0.000128748	0.000118196	0.0002623	0.000138952	0.000164258	0.000125915	0.000115431	0.000259819	0.000138952	0.000177276	**5430**	0.000128957
0.00013457	0.000123543	0.00027414	0.000145174	0.000215351	0.000131464	0.000120514	0.000271326	0.000145174	0.000221582	**5431**	0.000134844
0.000143386	0.000130852	0.000302026	0.00015898	0.000218098	0.000141455	0.000129127	0.000298921	0.00015898	0.00022469	**5432**	0.000143651
0.00015074	0.000137574	0.000317383	0.000167042	0.000222558	0.000148671	0.000135719	0.000314106	0.000167042	0.00022958	**5433**	0.000151022
0.000161425	0.000147344	0.000339653	0.000178828	0.000222718	0.00015919	0.000145336	0.000336139	0.000178828	0.000229715	**5434**	0.000161731
0.000175369	0.000159963	0.000370357	0.000194601	0.00022161	0.000173059	0.000157908	0.000366571	0.000194601	0.000228462	**5435**	0.000175674
0.000192219	0.000174989	0.000410299	0.000214664	0.000214067	0.000190213	0.000173295	0.000406308	0.000214664	0.000222127	**5436**	0.000192466
0.000207495	0.000188703	0.000445333	0.000232532	0.000215293	0.000205645	0.000187209	0.00044112	0.000232532	0.0002235	**5437**	0.000207712
0.000224102	0.000203495	0.000484919	0.000252469	0.000212191	0.000222623	0.000202431	0.000480525	0.000252469	0.000220076	**5438**	0.000224257
0.000237052	0.000215119	0.000514653	0.000267721	0.000212222	0.000235752	0.000214273	0.000510088	0.000267721	0.000218082	**5439**	0.000237182
0.000243399	0.000220922	0.00052789	0.000274719	0.000201049	0.000241999	0.000219984	0.000523183	0.000274719	0.000205715	**5440**	0.000243544
0.000247355	0.000224696	0.000534134	0.000278689	0.000192445	0.000245758	0.000223559	0.000529305	0.000278689	0.000196223	**5441**	0.000247549
0.0002449	0.000222851	0.000523961	0.000273343	0.000187284	0.000242246	0.000220592	0.000518833	0.000273343	0.000190544	**5442**	0.00024519
0.000240868	0.000219866	0.000506681	0.000264288	0.000170433	0.000236366	0.000215644	0.000501027	0.000264288	0.00017598	**5443**	0.000241327
0.000228808	0.000209497	0.000473213	0.000247845	0.000153352	0.000223243	0.000204125	0.00046744	0.000247845	0.000160955	**5444**	0.000229406
0.000209776	0.000192472	0.000428795	0.000224599	0.000138616	0.00020368	0.000186483	0.000423325	0.000224599	0.00014668	**5445**	0.000210381
0.000186537	0.000171926	0.000371466	0.000195246	0.000127125	0.000179642	0.000165001	0.000366658	0.000195246	0.000135824	**5446**	0.000187105
0.000161848	0.000149142	0.00032266	0.000169611	0.000122638	0.00015601	0.000143279	0.000318621	0.000169611	0.000130883	**5447**	0.000162305
0.000142656	0.00013125	0.000287011	0.000151048	0.000121017	0.000138214	0.000126819	0.000283758	0.000151048	0.000129094	**5448**	0.000142982
0.000126502	0.000116102	0.000258132	0.000135823	0.000121072	0.000123393	0.000113043	0.000255588	0.000135823	0.000129162	**5449**	0.000126695
0.00011773	0.000107945	0.000241577	0.000127234	0.000122895	0.000115217	0.000105496	0.000239378	0.000127234	0.000131225	**5450**	0.000117869
0.000111621	0.000102382	0.000228562	0.000120714	0.000130933	0.00010931	0.000100132	0.000226538	0.000120714	0.000140161	**5451**	0.000111752
0.000112251	0.000102989	0.000229474	0.000121536	0.000144164	0.000109997	0.0001008	0.000227463	0.000121536	0.00015484	**5452**	0.00011239
0.000119763	0.000109906	0.000244513	0.000129624	0.000158237	0.000117315	0.000107529	0.000242312	0.000129624	0.000170428	**5453**	0.000119932
0.000128843	0.000118283	0.000262499	0.000139061	0.000164256	0.00012601	0.000115518	0.000260016	0.000139061	0.000177273	**5454**	0.000129052
0.000133206	0.000122066	0.000274208	0.000145122	0.000215858	0.000130599	0.000119575	0.000271396	0.000145122	0.000222143	**5455**	0.000133477
0.000143887	0.000131302	0.000303161	0.000159563	0.000218333	0.00014196	0.000129583	0.000300049	0.000159563	0.000224948	**5456**	0.000144151
0.000151574	0.000138328	0.000319231	0.000168009	0.000222792	0.000149512	0.000136481	0.000315941	0.000168009	0.000229833	**5457**	0.000151856
0.000162742	0.00014853	0.000342617	0.000180359	0.000223135	0.000160517	0.000146537	0.000339082	0.000180359	0.000230168	**5458**	0.000163047
0.000177343	0.000161746	0.000374758	0.000196892	0.000222095	0.000175048	0.000159711	0.000370943	0.000196892	0.000228988	**5459**	0.000177647
0.000194575	0.00017712	0.000415501	0.000217393	0.000214526	0.000192586	0.000175449	0.000411474	0.000217393	0.000222625	**5460**	0.000194822
0.000210925	0.000191791	0.000453101	0.000236525	0.000215836	0.000209104	0.000190335	0.000448836	0.000236525	0.000224091	**5461**	0.000211139
0.000228574	0.000207508	0.000495193	0.000257689	0.000212872	0.000227135	0.000206497	0.000490732	0.000257689	0.000220819	**5462**	0.000228721
0.000241757	0.000219341	0.000525464	0.000273212	0.000212733	0.000240499	0.000218551	0.000520828	0.000273212	0.000218636	**5463**	0.000241878

0.000248198	0.000225223	0.000538974	0.000280325	0.000201552	0.000246841	0.000224344	0.000534195	0.000280325	0.000206259	**5464**	0.000248332
0.000252018	0.000228886	0.000544795	0.000284127	0.000192961	0.000250462	0.000227802	0.000539896	0.000284127	0.000196781	**5465**	0.000252204
0.000249931	0.000227366	0.000535536	0.000279217	0.000187832	0.000247323	0.000225166	0.000530333	0.000279217	0.000191137	**5466**	0.000250211
0.000245128	0.000223695	0.000516397	0.000269253	0.000171042	0.000240662	0.000219522	0.000510679	0.000269253	0.000176641	**5467**	0.00024558
0.000232774	0.000213061	0.000482274	0.000252469	0.000153978	0.000227244	0.000207733	0.000476442	0.000252469	0.000161634	**5468**	0.000233365
0.000214839	0.000197278	0.0004371	0.000228955	0.000139305	0.000208274	0.000190792	0.000431573	0.000228955	0.00014743	**5469**	0.000215442
0.000189641	0.000174718	0.000378518	0.000198861	0.000127908	0.000182772	0.000167826	0.000373663	0.000198861	0.000136677	**5470**	0.000190204
0.000164258	0.000151315	0.000328074	0.000172413	0.000123351	0.00015844	0.000145478	0.000323999	0.000172413	0.000131661	**5471**	0.000164714
0.000144037	0.000132499	0.000290071	0.000152648	0.000121316	0.000139605	0.000128081	0.000286796	0.000152648	0.000129419	**5472**	0.000144363
0.000126502	0.000116102	0.000258132	0.000135823	0.000121072	0.000123393	0.000113043	0.000255588	0.000135823	0.000129162	**5473**	0.000126695
0.00011773	0.000107945	0.000241577	0.000127234	0.000122895	0.000115217	0.000105496	0.000239378	0.000127234	0.000131225	**5474**	0.000117869
0.000111621	0.000102382	0.000228562	0.000120714	0.000130933	0.00010931	0.000100132	0.000226538	0.000120714	0.000140161	**5475**	0.000111752
0.000112251	0.000102989	0.000229474	0.000121536	0.000144164	0.000109997	0.0001008	0.000227463	0.000121536	0.00015484	**5476**	0.00011239
0.000119763	0.000109906	0.000244513	0.000129624	0.000158237	0.000117315	0.000107529	0.000242312	0.000129624	0.000170428	**5477**	0.000119932
0.000128843	0.000118283	0.000262499	0.000139061	0.000164256	0.00012601	0.000115518	0.000260016	0.000139061	0.000177273	**5478**	0.000129052
0.000133206	0.000122066	0.000274208	0.000145122	0.000215858	0.000130599	0.000119575	0.000271396	0.000145122	0.000222143	**5479**	0.000133477
0.000143887	0.000131302	0.000303161	0.000159563	0.000218333	0.00014196	0.000129583	0.000300049	0.000159563	0.000224948	**5480**	0.000144151
0.000151574	0.000138328	0.000319231	0.000168009	0.000222792	0.000149512	0.000136481	0.000315941	0.000168009	0.000229833	**5481**	0.000151856
0.000162742	0.00014853	0.000342617	0.000180359	0.000223135	0.000160517	0.000146537	0.000339082	0.000180359	0.000230168	**5482**	0.000163047
0.000177343	0.000161746	0.000374758	0.000196892	0.000222095	0.000175048	0.000159711	0.000370943	0.000196892	0.000228988	**5483**	0.000177647
0.000194575	0.00017712	0.000415501	0.000217393	0.000214526	0.000192586	0.000175449	0.000411474	0.000217393	0.000222625	**5484**	0.000194822
0.000210925	0.000191791	0.000453101	0.000236525	0.000215836	0.000209104	0.000190335	0.000448836	0.000236525	0.000224091	**5485**	0.000211139
0.000228574	0.000207508	0.000495193	0.000257689	0.000212872	0.000227135	0.000206497	0.000490732	0.000257689	0.000220819	**5486**	0.000228721
0.000241757	0.000219341	0.000525464	0.000273212	0.000212733	0.000240499	0.000218551	0.000520828	0.000273212	0.000218636	**5487**	0.000241878
0.000248198	0.000225223	0.000538974	0.000280325	0.000201552	0.000246841	0.000224344	0.000534195	0.000280325	0.000206259	**5488**	0.000248332
0.000252018	0.000228886	0.000544795	0.000284127	0.000192961	0.000250462	0.000227802	0.000539896	0.000284127	0.000196781	**5489**	0.000252204
0.000249931	0.000227366	0.000535536	0.000279217	0.000187832	0.000247323	0.000225166	0.000530333	0.000279217	0.000191137	**5490**	0.000250211
0.000245128	0.000223695	0.000516397	0.000269253	0.000171042	0.000240662	0.000219522	0.000510679	0.000269253	0.000176641	**5491**	0.00024558
0.000232774	0.000213061	0.000482274	0.000252469	0.000153978	0.000227244	0.000207733	0.000476442	0.000252469	0.000161634	**5492**	0.000233365
0.000214839	0.000197278	0.0004371	0.000228955	0.000139305	0.000208274	0.000190792	0.000431573	0.000228955	0.00014743	**5493**	0.000215442
0.000189641	0.000174718	0.000378518	0.000198861	0.000127908	0.000182772	0.000167826	0.000373663	0.000198861	0.000136677	**5494**	0.000190204
0.000164258	0.000151315	0.000328074	0.000172413	0.000123351	0.00015844	0.000145478	0.000323999	0.000172413	0.000131661	**5495**	0.000164714
0.000144037	0.000132499	0.000290071	0.000152648	0.000121316	0.000139605	0.000128081	0.000286796	0.000152648	0.000129419	**5496**	0.000144363
0.000126502	0.000116102	0.000258132	0.000135823	0.000121072	0.000123393	0.000113043	0.000255588	0.000135823	0.000129162	**5497**	0.000126695
0.00011773	0.000107945	0.000241577	0.000127234	0.000122895	0.000115217	0.000105496	0.000239378	0.000127234	0.000131225	**5498**	0.000117869
0.000111621	0.000102382	0.000228562	0.000120714	0.000130933	0.00010931	0.000100132	0.000226538	0.000120714	0.000140161	**5499**	0.000111752
0.000112251	0.000102989	0.000229474	0.000121536	0.000144164	0.000109997	0.0001008	0.000227463	0.000121536	0.00015484	**5500**	0.00011239
0.000119763	0.000109906	0.000244513	0.000129624	0.000158237	0.000117315	0.000107529	0.000242312	0.000129624	0.000170428	**5501**	0.000119932
0.000128843	0.000118283	0.000262499	0.000139061	0.000164256	0.00012601	0.000115518	0.000260016	0.000139061	0.000177273	**5502**	0.000129052
0.000133206	0.000122066	0.000274208	0.000145122	0.000215858	0.000130599	0.000119575	0.000271396	0.000145122	0.000222143	**5503**	0.000133477
0.000143887	0.000131302	0.000303161	0.000159563	0.000218333	0.00014196	0.000129583	0.000300049	0.000159563	0.000224948	**5504**	0.000144151
0.000151574	0.000138328	0.000319231	0.000168009	0.000222792	0.000149512	0.000136481	0.000315941	0.000168009	0.000229833	**5505**	0.000151856
0.000162742	0.00014853	0.000342617	0.000180359	0.000223135	0.000160517	0.000146537	0.000339082	0.000180359	0.000230168	**5506**	0.000163047
0.000177343	0.000161746	0.000374758	0.000196892	0.000222095	0.000175048	0.000159711	0.000370943	0.000196892	0.000228988	**5507**	0.000177647
0.000194575	0.00017712	0.000415501	0.000217393	0.000214526	0.000192586	0.000175449	0.000411474	0.000217393	0.000222625	**5508**	0.000194822
0.000210925	0.000191791	0.000453101	0.000236525	0.000215836	0.000209104	0.000190335	0.000448836	0.000236525	0.000224091	**5509**	0.000211139
0.000228574	0.000207508	0.000495193	0.000257689	0.000212872	0.000227135	0.000206497	0.000490732	0.000257689	0.000220819	**5510**	0.000228721
0.000241757	0.000219341	0.000525464	0.000273212	0.000212733	0.000240499	0.000218551	0.000520828	0.000273212	0.000218636	**5511**	0.000241878
0.000248198	0.000225223	0.000538974	0.000280325	0.000201552	0.000246841	0.000224344	0.000534195	0.000280325	0.000206259	**5512**	0.000248332
0.000252018	0.000228886	0.000544795	0.000284127	0.000192961	0.000250462	0.000227802	0.000539896	0.000284127	0.000196781	**5513**	0.000252204
0.000249931	0.000227366	0.000535536	0.000279217	0.000187832	0.000247323	0.000225166	0.000530333	0.000279217	0.000191137	**5514**	0.000250211
0.000245128	0.000223695	0.000516397	0.000269253	0.000171042	0.000240662	0.000219522	0.000510679	0.000269253	0.000176641	**5515**	0.00024558
0.000232774	0.000213061	0.000482274	0.000252469	0.000153978	0.000227244	0.000207733	0.000476442	0.000252469	0.000161634	**5516**	0.000233365
0.000214839	0.000197278	0.0004371	0.000228955	0.000139305	0.000208274	0.000190792	0.000431573	0.000228955	0.00014743	**5517**	0.000215442
0.000189641	0.000174718	0.000378518	0.000198861	0.000127908	0.000182772	0.000167826	0.000373663	0.000198861	0.000136677	**5518**	0.000190204
0.000164258	0.000151315	0.000328074	0.000172413	0.000123351	0.00015844	0.000145478	0.000323999	0.000172413	0.000131661	**5519**	0.000164714
0.000144037	0.000132499	0.000290071	0.000152648	0.000121316	0.000139605	0.000128081	0.000286796	0.000152648	0.000129419	**5520**	0.000144363
0.000126502	0.000116102	0.000258132	0.000135823	0.000121072	0.000123393	0.000113043	0.000255588	0.000135823	0.000129162	**5521**	0.000126695
0.00011773	0.000107945	0.000241577	0.000127234	0.000122895	0.000115217	0.000105496	0.000239378	0.000127234	0.000131225	**5522**	0.000117869
0.000111621	0.000102382	0.000228562	0.000120714	0.000130933	0.00010931	0.000100132	0.000226538	0.000120714	0.000140161	**5523**	0.000111752
0.000112251	0.000102989	0.000229474	0.000121536	0.000144164	0.000109997	0.0001008	0.000227463	0.000121536	0.00015484	**5524**	0.00011239
0.000119763	0.000109906	0.000244513	0.000129624	0.000158237	0.000117315	0.000107529	0.000242312	0.000129624	0.000170428	**5525**	0.000119932
0.000128843	0.000118283	0.000262499	0.000139061	0.000164256	0.00012601	0.000115518	0.000260016	0.000139061	0.000177273	**5526**	0.000129052
0.000133206	0.000122066	0.000274208	0.000145122	0.000215858	0.000130599	0.000119575	0.000271396	0.000145122	0.000222143	**5527**	0.000133477
0.000143887	0.000131302	0.000303161	0.000159563	0.000218333	0.00014196	0.000129583	0.000300049	0.000159563	0.000224948	**5528**	0.000144151
0.000151574	0.000138328	0.000319231	0.000168009	0.000222792	0.000149512	0.000136481	0.000315941	0.000168009	0.000229833	**5529**	0.000151856
0.000162742	0.00014853	0.000342617	0.000180359	0.000223135	0.000160517	0.000146537	0.000339082	0.000180359	0.000230168	**5530**	0.000163047
0.000177343	0.000161746	0.000374758	0.000196892	0.000222095	0.000175048	0.000159711	0.000370943	0.000196892	0.000228988	**5531**	0.000177647
0.000194575	0.00017712	0.000415501	0.000217393	0.000214526	0.000192586	0.000175449	0.000411474	0.000217393	0.000222625	**5532**	0.000194822
0.000210925	0.000191791	0.000453101	0.000236525	0.000215836	0.000209104	0.000190335	0.000448836	0.000236525	0.000224091	**5533**	0.000211139
0.000228574	0.000207508	0.000495193	0.000257689	0.000212872	0.000227135	0.000206497	0.000490732	0.000257689	0.000220819	**5534**	0.000228721
0.000241757	0.000219341	0.000525464	0.000273212	0.000212733	0.000240499	0.000218551	0.000520828	0.000273212	0.000218636	**5535**	0.000241878
0.000248198	0.000225223	0.000538974	0.000280325	0.000201552	0.000246841	0.000224344	0.000534195	0.000280325	0.000206259	**5536**	0.000248332
0.000252018	0.000228886	0.000544795	0.000284127	0.000192961	0.000250462	0.000227802	0.000539896	0.000284127	0.000196781	**5537**	0.000252204
0.000249931	0.000227366	0.000535536	0.000279217	0.000187832	0.000247323	0.000225166	0.000530333	0.000279217	0.000191137	**5538**	0.000250211
0.000245128	0.000223695	0.000516397	0.000269253	0.000171042	0.000240662	0.000219522	0.000510679	0.000269253	0.000176641	**5539**	0.00024558

0.000232774	0.000213061	0.000482274	0.000252469	0.000153978	0.000227244	0.000207733	0.000476442	0.000252469	0.000161634	**5540**	0.000233365
0.000214839	0.000197278	0.0004371	0.000228955	0.000139305	0.000208274	0.000190792	0.000431573	0.000228955	0.00014743	**5541**	0.000215442
0.000189641	0.000174718	0.000378518	0.000198861	0.000127908	0.000182772	0.000167826	0.000373663	0.000198861	0.000136677	**5542**	0.000190204
0.000164258	0.000151315	0.000328074	0.000172413	0.000123351	0.00015844	0.000145478	0.000323999	0.000172413	0.000131661	**5543**	0.000164714
0.000144037	0.000132499	0.000290071	0.000152648	0.000121316	0.000139605	0.000128081	0.000286796	0.000152648	0.000129419	**5544**	0.000144363
0.000126502	0.000116102	0.000258132	0.000135823	0.000121072	0.000123393	0.000113043	0.000255588	0.000135823	0.000129162	**5545**	0.000126695
0.00011773	0.000107945	0.000241577	0.000127234	0.000122895	0.000115217	0.000105496	0.000239378	0.000127234	0.000131225	**5546**	0.000117869
0.000111621	0.000102382	0.000228562	0.000120714	0.000130933	0.00010931	0.000100132	0.000226538	0.000120714	0.000140161	**5547**	0.000111752
0.000112251	0.000102989	0.000229474	0.000121536	0.000144164	0.000109997	0.0001008	0.000227463	0.000121536	0.00015484	**5548**	0.00011239
0.000119763	0.000109906	0.000244513	0.000129624	0.000158237	0.000117315	0.000107529	0.000242312	0.000129624	0.000170428	**5549**	0.000119932
0.000128843	0.000118283	0.000262499	0.000139061	0.000164256	0.00012601	0.000115518	0.000260016	0.000139061	0.000177273	**5550**	0.000129052
0.000133206	0.000122066	0.000274208	0.000145122	0.000215858	0.000130599	0.000119575	0.000271396	0.000145122	0.000222143	**5551**	0.000133477
0.000143887	0.000131302	0.000303161	0.000159563	0.000218333	0.00014196	0.000129583	0.000300049	0.000159563	0.000224948	**5552**	0.000144151
0.000151574	0.000138328	0.000319231	0.000168009	0.000222792	0.000149512	0.000136481	0.000315941	0.000168009	0.000229833	**5553**	0.000151856
0.000162742	0.00014853	0.000342617	0.000180359	0.000223135	0.000160517	0.000146537	0.000339082	0.000180359	0.000230168	**5554**	0.000163047
0.000177343	0.000161746	0.000374758	0.000196892	0.000222095	0.000175048	0.000159711	0.000370943	0.000196892	0.000228988	**5555**	0.000177647
0.000194575	0.00017712	0.000415501	0.000217393	0.000214526	0.000192586	0.000175449	0.000411474	0.000217393	0.000222625	**5556**	0.000194822
0.000210925	0.000191791	0.000453101	0.000236525	0.000215836	0.000209104	0.000190335	0.000448836	0.000236525	0.000224091	**5557**	0.000211139
0.000228574	0.000207508	0.000495193	0.000257689	0.000212872	0.000227135	0.000206497	0.000490732	0.000257689	0.000220819	**5558**	0.000228721
0.000241757	0.000219341	0.000525464	0.000273212	0.000212733	0.000240499	0.000218551	0.000520828	0.000273212	0.000218636	**5559**	0.000241878
0.000248198	0.000225223	0.000538974	0.000280325	0.000201552	0.000246841	0.000224344	0.000534195	0.000280325	0.000206259	**5560**	0.000248332
0.000252018	0.000228886	0.000544795	0.000284127	0.000192961	0.000250462	0.000227802	0.000539896	0.000284127	0.000196781	**5561**	0.000252204
0.000249931	0.000227366	0.000535536	0.000279217	0.000187832	0.000247323	0.000225166	0.000530333	0.000279217	0.000191137	**5562**	0.000250211
0.000245128	0.000223695	0.000516397	0.000269253	0.000171042	0.000240662	0.000219522	0.000510679	0.000269253	0.000176641	**5563**	0.00024558
0.000232774	0.000213061	0.000482274	0.000252469	0.000153978	0.000227244	0.000207733	0.000476442	0.000252469	0.000161634	**5564**	0.000233365
0.000214839	0.000197278	0.0004371	0.000228955	0.000139305	0.000208274	0.000190792	0.000431573	0.000228955	0.00014743	**5565**	0.000215442
0.000189641	0.000174718	0.000378518	0.000198861	0.000127908	0.000182772	0.000167826	0.000373663	0.000198861	0.000136677	**5566**	0.000190204
0.000164258	0.000151315	0.000328074	0.000172413	0.000123351	0.00015844	0.000145478	0.000323999	0.000172413	0.000131661	**5567**	0.000164714
0.000144037	0.000132499	0.000290071	0.000152648	0.000121316	0.000139605	0.000128081	0.000286796	0.000152648	0.000129419	**5568**	0.000144363
0.000125855	0.000115526	0.000256593	0.000135064	0.000121239	0.000122739	0.000112458	0.000254058	0.000135064	0.000129338	**5569**	0.000126051
0.000117048	0.000107331	0.000240039	0.000126441	0.000122589	0.000114529	0.000104874	0.000237851	0.000126441	0.000130888	**5570**	0.000117188
0.000110844	0.000101684	0.000226785	0.000119808	0.000130663	0.000108526	9.94245E-05	0.000224773	0.000119808	0.000139866	**5571**	0.000110976
0.000111686	0.000102482	0.000228185	0.000120878	0.000143907	0.000109428	0.000100287	0.000226183	0.000120878	0.000154558	**5572**	0.000111827
0.000119358	0.000109543	0.000243583	0.000129151	0.000157987	0.000116907	0.000107161	0.000241388	0.000129151	0.000170153	**5573**	0.000119528
0.000128748	0.000118196	0.0002623	0.000138952	0.000164258	0.000125915	0.000115431	0.000259819	0.000138952	0.000177276	**5574**	0.000128957
0.00013457	0.000123543	0.00027414	0.000145174	0.000215351	0.000131464	0.000120514	0.000271326	0.000145174	0.000221582	**5575**	0.000134844
0.000143386	0.000130852	0.000302026	0.00015898	0.000218098	0.000141455	0.000129127	0.000298921	0.00015898	0.00022469	**5576**	0.000143651
0.00015074	0.000137574	0.000317383	0.000167042	0.000222558	0.000148671	0.000135719	0.000314106	0.000167042	0.00022958	**5577**	0.000151022
0.000161425	0.000147344	0.000339653	0.000178828	0.000222718	0.00015919	0.000145336	0.000336139	0.000178828	0.000229715	**5578**	0.000161731
0.000175369	0.000159963	0.000370357	0.000194601	0.00022161	0.000173059	0.000157908	0.000366571	0.000194601	0.000228462	**5579**	0.000175674
0.000192219	0.000174989	0.000410299	0.000214664	0.000214067	0.000190213	0.000173295	0.000406308	0.000214664	0.000222127	**5580**	0.000192466
0.000207495	0.000188703	0.000445333	0.000232532	0.000215293	0.000205645	0.000187209	0.00044112	0.000232532	0.0002235	**5581**	0.000207712
0.000224102	0.000203495	0.000484919	0.000252469	0.000212191	0.000222623	0.000202431	0.000480525	0.000252469	0.000220076	**5582**	0.000224257
0.000237052	0.000215119	0.000514653	0.000267721	0.000212222	0.000235752	0.000214273	0.000510088	0.000267721	0.000218082	**5583**	0.000237182
0.000243399	0.000220922	0.00052789	0.000274719	0.000201049	0.000241999	0.000219984	0.000523183	0.000274719	0.000205715	**5584**	0.000243544
0.000247355	0.000224696	0.000534134	0.000278689	0.000192445	0.000245758	0.000223559	0.000529305	0.000278689	0.000196223	**5585**	0.000247549
0.0002449	0.000222851	0.000523961	0.000273343	0.000187284	0.000242246	0.000220592	0.000518833	0.000273343	0.000190544	**5586**	0.00024519
0.000240868	0.000219866	0.000506681	0.000264288	0.000170433	0.000236366	0.000215644	0.000501027	0.000264288	0.00017598	**5587**	0.000241327
0.000228808	0.000209497	0.000473213	0.000247845	0.000153352	0.000223243	0.000204125	0.00046744	0.000247845	0.000160955	**5588**	0.000229406
0.000209776	0.000192472	0.000428795	0.000224599	0.000138616	0.00020368	0.000186483	0.000423325	0.000224599	0.00014668	**5589**	0.000210381
0.000186537	0.000171926	0.000371466	0.000195246	0.000127125	0.000179642	0.000165001	0.000366658	0.000195246	0.000135824	**5590**	0.000187105
0.000161848	0.000149142	0.00032266	0.000169611	0.000122638	0.00015601	0.000143279	0.000318621	0.000169611	0.000130883	**5591**	0.000162305
0.000142656	0.00013125	0.000287011	0.000151048	0.000121017	0.000138214	0.000126819	0.000283758	0.000151048	0.000129094	**5592**	0.000142982
0.000125855	0.000115526	0.000256593	0.000135064	0.000121239	0.000122739	0.000112458	0.000254058	0.000135064	0.000129338	**5593**	0.000126051
0.000117048	0.000107331	0.000240039	0.000126441	0.000122589	0.000114529	0.000104874	0.000237851	0.000126441	0.000130888	**5594**	0.000117188
0.000110844	0.000101684	0.000226785	0.000119808	0.000130663	0.000108526	9.94245E-05	0.000224773	0.000119808	0.000139866	**5595**	0.000110976
0.000111686	0.000102482	0.000228185	0.000120878	0.000143907	0.000109428	0.000100287	0.000226183	0.000120878	0.000154558	**5596**	0.000111827
0.000119358	0.000109543	0.000243583	0.000129151	0.000157987	0.000116907	0.000107161	0.000241388	0.000129151	0.000170153	**5597**	0.000119528
0.000128748	0.000118196	0.0002623	0.000138952	0.000164258	0.000125915	0.000115431	0.000259819	0.000138952	0.000177276	**5598**	0.000128957
0.00013457	0.000123543	0.00027414	0.000145174	0.000215351	0.000131464	0.000120514	0.000271326	0.000145174	0.000221582	**5599**	0.000134844
0.000143386	0.000130852	0.000302026	0.00015898	0.000218098	0.000141455	0.000129127	0.000298921	0.00015898	0.00022469	**5600**	0.000143651
0.00015074	0.000137574	0.000317383	0.000167042	0.000222558	0.000148671	0.000135719	0.000314106	0.000167042	0.00022958	**5601**	0.000151022
0.000161425	0.000147344	0.000339653	0.000178828	0.000222718	0.00015919	0.000145336	0.000336139	0.000178828	0.000229715	**5602**	0.000161731
0.000175369	0.000159963	0.000370357	0.000194601	0.00022161	0.000173059	0.000157908	0.000366571	0.000194601	0.000228462	**5603**	0.000175674
0.000192219	0.000174989	0.000410299	0.000214664	0.000214067	0.000190213	0.000173295	0.000406308	0.000214664	0.000222127	**5604**	0.000192466
0.000207495	0.000188703	0.000445333	0.000232532	0.000215293	0.000205645	0.000187209	0.00044112	0.000232532	0.0002235	**5605**	0.000207712
0.000224102	0.000203495	0.000484919	0.000252469	0.000212191	0.000222623	0.000202431	0.000480525	0.000252469	0.000220076	**5606**	0.000224257
0.000237052	0.000215119	0.000514653	0.000267721	0.000212222	0.000235752	0.000214273	0.000510088	0.000267721	0.000218082	**5607**	0.000237182
0.000243399	0.000220922	0.00052789	0.000274719	0.000201049	0.000241999	0.000219984	0.000523183	0.000274719	0.000205715	**5608**	0.000243544
0.000247355	0.000224696	0.000534134	0.000278689	0.000192445	0.000245758	0.000223559	0.000529305	0.000278689	0.000196223	**5609**	0.000247549
0.0002449	0.000222851	0.000523961	0.000273343	0.000187284	0.000242246	0.000220592	0.000518833	0.000273343	0.000190544	**5610**	0.00024519
0.000240868	0.000219866	0.000506681	0.000264288	0.000170433	0.000236366	0.000215644	0.000501027	0.000264288	0.00017598	**5611**	0.000241327
0.000228808	0.000209497	0.000473213	0.000247845	0.000153352	0.000223243	0.000204125	0.00046744	0.000247845	0.000160955	**5612**	0.000229406
0.000209776	0.000192472	0.000428795	0.000224599	0.000138616	0.00020368	0.000186483	0.000423325	0.000224599	0.00014668	**5613**	0.000210381
0.000186537	0.000171926	0.000371466	0.000195246	0.000127125	0.000179642	0.000165001	0.000366658	0.000195246	0.000135824	**5614**	0.000187105
0.000161848	0.000149142	0.00032266	0.000169611	0.000122638	0.00015601	0.000143279	0.000318621	0.000169611	0.000130883	**5615**	0.000162305

0.000142656	0.00013125	0.000287011	0.000151048	0.000121017	0.000138214	0.000126819	0.000283758	0.000151048	0.000129094	**5616**	0.000142982
0.000126502	0.000116102	0.000258132	0.000135823	0.000121072	0.000123393	0.000113043	0.000255588	0.000135823	0.000129162	**5617**	0.000126695
0.00011773	0.000107945	0.000241577	0.000127234	0.000122895	0.000115217	0.000105496	0.000239378	0.000127234	0.000131225	**5618**	0.000117869
0.000111621	0.000102382	0.000228562	0.000120714	0.000130933	0.00010931	0.000100132	0.000226538	0.000120714	0.000140161	**5619**	0.000111752
0.000112251	0.000102989	0.000229474	0.000121536	0.000144164	0.000109997	0.0001008	0.000227463	0.000121536	0.00015484	**5620**	0.00011239
0.000119763	0.000109906	0.000244513	0.000129624	0.000158237	0.000117315	0.000107529	0.000242312	0.000129624	0.000170428	**5621**	0.000119932
0.000128843	0.000118283	0.000262499	0.000139061	0.000164256	0.00012601	0.000115518	0.000260016	0.000139061	0.000177273	**5622**	0.000129052
0.000133206	0.000122066	0.000274208	0.000145122	0.000215858	0.000130599	0.000119575	0.000271396	0.000145122	0.000222143	**5623**	0.000133477
0.000143887	0.000131302	0.000303161	0.000159563	0.000218333	0.00014196	0.000129583	0.000300049	0.000159563	0.000224948	**5624**	0.000144151
0.000151574	0.000138328	0.000319231	0.000168009	0.000222792	0.000149512	0.000136481	0.000315941	0.000168009	0.000229833	**5625**	0.000151856
0.000162742	0.00014853	0.000342617	0.000180359	0.000223135	0.000160517	0.000146537	0.000339082	0.000180359	0.000230168	**5626**	0.000163047
0.000177343	0.000161746	0.000374758	0.000196892	0.000222095	0.000175048	0.000159711	0.000370943	0.000196892	0.000228988	**5627**	0.000177647
0.000194575	0.00017712	0.000415501	0.000217393	0.000214526	0.000192586	0.000175449	0.000411474	0.000217393	0.000222625	**5628**	0.000194822
0.000210925	0.000191791	0.000453101	0.000236525	0.000215836	0.000209104	0.000190335	0.000448836	0.000236525	0.000224091	**5629**	0.000211139
0.000228574	0.000207508	0.000495193	0.000257689	0.000212872	0.000227135	0.000206497	0.000490732	0.000257689	0.000220819	**5630**	0.000228721
0.000241757	0.000219341	0.000525464	0.000273212	0.000212733	0.000240499	0.000218551	0.000520828	0.000273212	0.000218636	**5631**	0.000241878
0.000248198	0.000225223	0.000538974	0.000280325	0.000201552	0.000246841	0.000224344	0.000534195	0.000280325	0.000206259	**5632**	0.000248332
0.000252018	0.000228886	0.000544795	0.000284127	0.000192961	0.000250462	0.000227802	0.000539896	0.000284127	0.000196781	**5633**	0.000252204
0.000249931	0.000227366	0.000535536	0.000279217	0.000187832	0.000247323	0.000225166	0.000530333	0.000279217	0.000191137	**5634**	0.000250211
0.000245128	0.000223695	0.000516397	0.000269253	0.000171042	0.000240662	0.000219522	0.000510679	0.000269253	0.000176641	**5635**	0.00024558
0.000232774	0.000213061	0.000482274	0.000252469	0.000153978	0.000227244	0.000207733	0.000476442	0.000252469	0.000161634	**5636**	0.000233365
0.000214839	0.000197278	0.0004371	0.000228955	0.000139305	0.000208274	0.000190792	0.000431573	0.000228955	0.00014743	**5637**	0.000215442
0.000189641	0.000174718	0.000378518	0.000198861	0.000127908	0.000182772	0.000167826	0.000373663	0.000198861	0.000136677	**5638**	0.000190204
0.000164258	0.000151315	0.000328074	0.000172413	0.000123351	0.00015844	0.000145478	0.000323999	0.000172413	0.000131661	**5639**	0.000164714
0.000144037	0.000132499	0.000290071	0.000152648	0.000121316	0.000139605	0.000128081	0.000286796	0.000152648	0.000129419	**5640**	0.000144363
0.000126502	0.000116102	0.000258132	0.000135823	0.000121072	0.000123393	0.000113043	0.000255588	0.000135823	0.000129162	**5641**	0.000126695
0.00011773	0.000107945	0.000241577	0.000127234	0.000122895	0.000115217	0.000105496	0.000239378	0.000127234	0.000131225	**5642**	0.000117869
0.000111621	0.000102382	0.000228562	0.000120714	0.000130933	0.00010931	0.000100132	0.000226538	0.000120714	0.000140161	**5643**	0.000111752
0.000112251	0.000102989	0.000229474	0.000121536	0.000144164	0.000109997	0.0001008	0.000227463	0.000121536	0.00015484	**5644**	0.00011239
0.000119763	0.000109906	0.000244513	0.000129624	0.000158237	0.000117315	0.000107529	0.000242312	0.000129624	0.000170428	**5645**	0.000119932
0.000128843	0.000118283	0.000262499	0.000139061	0.000164256	0.00012601	0.000115518	0.000260016	0.000139061	0.000177273	**5646**	0.000129052
0.000133206	0.000122066	0.000274208	0.000145122	0.000215858	0.000130599	0.000119575	0.000271396	0.000145122	0.000222143	**5647**	0.000133477
0.000143887	0.000131302	0.000303161	0.000159563	0.000218333	0.00014196	0.000129583	0.000300049	0.000159563	0.000224948	**5648**	0.000144151
0.000151574	0.000138328	0.000319231	0.000168009	0.000222792	0.000149512	0.000136481	0.000315941	0.000168009	0.000229833	**5649**	0.000151856
0.000162742	0.00014853	0.000342617	0.000180359	0.000223135	0.000160517	0.000146537	0.000339082	0.000180359	0.000230168	**5650**	0.000163047
0.000177343	0.000161746	0.000374758	0.000196892	0.000222095	0.000175048	0.000159711	0.000370943	0.000196892	0.000228988	**5651**	0.000177647
0.000194575	0.00017712	0.000415501	0.000217393	0.000214526	0.000192586	0.000175449	0.000411474	0.000217393	0.000222625	**5652**	0.000194822
0.000210925	0.000191791	0.000453101	0.000236525	0.000215836	0.000209104	0.000190335	0.000448836	0.000236525	0.000224091	**5653**	0.000211139
0.000228574	0.000207508	0.000495193	0.000257689	0.000212872	0.000227135	0.000206497	0.000490732	0.000257689	0.000220819	**5654**	0.000228721
0.000241757	0.000219341	0.000525464	0.000273212	0.000212733	0.000240499	0.000218551	0.000520828	0.000273212	0.000218636	**5655**	0.000241878
0.000248198	0.000225223	0.000538974	0.000280325	0.000201552	0.000246841	0.000224344	0.000534195	0.000280325	0.000206259	**5656**	0.000248332
0.000252018	0.000228886	0.000544795	0.000284127	0.000192961	0.000250462	0.000227802	0.000539896	0.000284127	0.000196781	**5657**	0.000252204
0.000249931	0.000227366	0.000535536	0.000279217	0.000187832	0.000247323	0.000225166	0.000530333	0.000279217	0.000191137	**5658**	0.000250211
0.000245128	0.000223695	0.000516397	0.000269253	0.000171042	0.000240662	0.000219522	0.000510679	0.000269253	0.000176641	**5659**	0.00024558
0.000232774	0.000213061	0.000482274	0.000252469	0.000153978	0.000227244	0.000207733	0.000476442	0.000252469	0.000161634	**5660**	0.000233365
0.000214839	0.000197278	0.0004371	0.000228955	0.000139305	0.000208274	0.000190792	0.000431573	0.000228955	0.00014743	**5661**	0.000215442
0.000189641	0.000174718	0.000378518	0.000198861	0.000127908	0.000182772	0.000167826	0.000373663	0.000198861	0.000136677	**5662**	0.000190204
0.000164258	0.000151315	0.000328074	0.000172413	0.000123351	0.00015844	0.000145478	0.000323999	0.000172413	0.000131661	**5663**	0.000164714
0.000144037	0.000132499	0.000290071	0.000152648	0.000121316	0.000139605	0.000128081	0.000286796	0.000152648	0.000129419	**5664**	0.000144363
0.000126502	0.000116102	0.000258132	0.000135823	0.000121072	0.000123393	0.000113043	0.000255588	0.000135823	0.000129162	**5665**	0.000126695
0.00011773	0.000107945	0.000241577	0.000127234	0.000122895	0.000115217	0.000105496	0.000239378	0.000127234	0.000131225	**5666**	0.000117869
0.000111621	0.000102382	0.000228562	0.000120714	0.000130933	0.00010931	0.000100132	0.000226538	0.000120714	0.000140161	**5667**	0.000111752
0.000112251	0.000102989	0.000229474	0.000121536	0.000144164	0.000109997	0.0001008	0.000227463	0.000121536	0.00015484	**5668**	0.00011239
0.000119763	0.000109906	0.000244513	0.000129624	0.000158237	0.000117315	0.000107529	0.000242312	0.000129624	0.000170428	**5669**	0.000119932
0.000128843	0.000118283	0.000262499	0.000139061	0.000164256	0.00012601	0.000115518	0.000260016	0.000139061	0.000177273	**5670**	0.000129052
0.000133206	0.000122066	0.000274208	0.000145122	0.000215858	0.000130599	0.000119575	0.000271396	0.000145122	0.000222143	**5671**	0.000133477
0.000143887	0.000131302	0.000303161	0.000159563	0.000218333	0.00014196	0.000129583	0.000300049	0.000159563	0.000224948	**5672**	0.000144151
0.000151574	0.000138328	0.000319231	0.000168009	0.000222792	0.000149512	0.000136481	0.000315941	0.000168009	0.000229833	**5673**	0.000151856
0.000162742	0.00014853	0.000342617	0.000180359	0.000223135	0.000160517	0.000146537	0.000339082	0.000180359	0.000230168	**5674**	0.000163047
0.000177343	0.000161746	0.000374758	0.000196892	0.000222095	0.000175048	0.000159711	0.000370943	0.000196892	0.000228988	**5675**	0.000177647
0.000194575	0.00017712	0.000415501	0.000217393	0.000214526	0.000192586	0.000175449	0.000411474	0.000217393	0.000222625	**5676**	0.000194822
0.000210925	0.000191791	0.000453101	0.000236525	0.000215836	0.000209104	0.000190335	0.000448836	0.000236525	0.000224091	**5677**	0.000211139
0.000228574	0.000207508	0.000495193	0.000257689	0.000212872	0.000227135	0.000206497	0.000490732	0.000257689	0.000220819	**5678**	0.000228721
0.000241757	0.000219341	0.000525464	0.000273212	0.000212733	0.000240499	0.000218551	0.000520828	0.000273212	0.000218636	**5679**	0.000241878
0.000248198	0.000225223	0.000538974	0.000280325	0.000201552	0.000246841	0.000224344	0.000534195	0.000280325	0.000206259	**5680**	0.000248332
0.000252018	0.000228886	0.000544795	0.000284127	0.000192961	0.000250462	0.000227802	0.000539896	0.000284127	0.000196781	**5681**	0.000252204
0.000249931	0.000227366	0.000535536	0.000279217	0.000187832	0.000247323	0.000225166	0.000530333	0.000279217	0.000191137	**5682**	0.000250211
0.000245128	0.000223695	0.000516397	0.000269253	0.000171042	0.000240662	0.000219522	0.000510679	0.000269253	0.000176641	**5683**	0.00024558
0.000232774	0.000213061	0.000482274	0.000252469	0.000153978	0.000227244	0.000207733	0.000476442	0.000252469	0.000161634	**5684**	0.000233365
0.000214839	0.000197278	0.0004371	0.000228955	0.000139305	0.000208274	0.000190792	0.000431573	0.000228955	0.00014743	**5685**	0.000215442
0.000189641	0.000174718	0.000378518	0.000198861	0.000127908	0.000182772	0.000167826	0.000373663	0.000198861	0.000136677	**5686**	0.000190204
0.000164258	0.000151315	0.000328074	0.000172413	0.000123351	0.00015844	0.000145478	0.000323999	0.000172413	0.000131661	**5687**	0.000164714
0.000144037	0.000132499	0.000290071	0.000152648	0.000121316	0.000139605	0.000128081	0.000286796	0.000152648	0.000129419	**5688**	0.000144363
0.000126502	0.000116102	0.000258132	0.000135823	0.000121072	0.000123393	0.000113043	0.000255588	0.000135823	0.000129162	**5689**	0.000126695
0.00011773	0.000107945	0.000241577	0.000127234	0.000122895	0.000115217	0.000105496	0.000239378	0.000127234	0.000131225	**5690**	0.000117869
0.000111621	0.000102382	0.000228562	0.000120714	0.000130933	0.00010931	0.000100132	0.000226538	0.000120714	0.000140161	**5691**	0.000111752

0.000112251	0.000102989	0.000229474	0.000121536	0.000144164	0.000109997	0.0001008	0.000227463	0.000121536	0.00015484	**5692**	0.00011239
0.000119763	0.000109906	0.000244513	0.000129624	0.000158237	0.000117315	0.000107529	0.000242312	0.000129624	0.000170428	**5693**	0.000119932
0.000128843	0.000118283	0.000262499	0.000139061	0.000164256	0.00012601	0.000115518	0.000260016	0.000139061	0.000177273	**5694**	0.000129052
0.000133206	0.000122066	0.000274208	0.000145122	0.000215858	0.000130599	0.000119575	0.000271396	0.000145122	0.000222143	**5695**	0.000133477
0.000143887	0.000131302	0.000303161	0.000159563	0.000218333	0.00014196	0.000129583	0.000300049	0.000159563	0.000224948	**5696**	0.000144151
0.000151574	0.000138328	0.000319231	0.000168009	0.000222792	0.000149512	0.000136481	0.000315941	0.000168009	0.000229833	**5697**	0.000151856
0.000162742	0.00014853	0.000342617	0.000180359	0.000223135	0.000160517	0.000146537	0.000339082	0.000180359	0.000230168	**5698**	0.000163047
0.000177343	0.000161746	0.000374758	0.000196892	0.000222095	0.000175048	0.000159711	0.000370943	0.000196892	0.000228988	**5699**	0.000177647
0.000194575	0.00017712	0.000415501	0.000217393	0.000214526	0.000192586	0.000175449	0.000411474	0.000217393	0.000222625	**5700**	0.000194822
0.000210925	0.000191791	0.000453101	0.000236525	0.000215836	0.000209104	0.000190335	0.000448836	0.000236525	0.000224091	**5701**	0.000211139
0.000228574	0.000207508	0.000495193	0.000257689	0.000212872	0.000227135	0.000206497	0.000490732	0.000257689	0.000220819	**5702**	0.000228721
0.000241757	0.000219341	0.000525464	0.000273212	0.000212733	0.000240499	0.000218551	0.000520828	0.000273212	0.000218636	**5703**	0.000241878
0.000248198	0.000225223	0.000538974	0.000280325	0.000201552	0.000246841	0.000224344	0.000534195	0.000280325	0.000206259	**5704**	0.000248332
0.000252018	0.000228886	0.000544795	0.000284127	0.000192961	0.000250462	0.000227802	0.000539896	0.000284127	0.000196781	**5705**	0.000252204
0.000249931	0.000227366	0.000535536	0.000279217	0.000187832	0.000247323	0.000225166	0.000530333	0.000279217	0.000191137	**5706**	0.000250211
0.000245128	0.000223695	0.000516397	0.000269253	0.000171042	0.000240662	0.000219522	0.000510679	0.000269253	0.000176641	**5707**	0.00024558
0.000232774	0.000213061	0.000482274	0.000252469	0.000153978	0.000227244	0.000207733	0.000476442	0.000252469	0.000161634	**5708**	0.000233365
0.000214839	0.000197278	0.0004371	0.000228955	0.000139305	0.000208274	0.000190792	0.000431573	0.000228955	0.00014743	**5709**	0.000215442
0.000189641	0.000174718	0.000378518	0.000198861	0.000127908	0.000182772	0.000167826	0.000373663	0.000198861	0.000136677	**5710**	0.000190204
0.000164258	0.000151315	0.000328074	0.000172413	0.000123351	0.00015844	0.000145478	0.000323999	0.000172413	0.000131661	**5711**	0.000164714
0.000144037	0.000132499	0.000290071	0.000152648	0.000121316	0.000139605	0.000128081	0.000286796	0.000152648	0.000129419	**5712**	0.000144363
0.000126502	0.000116102	0.000258132	0.000135823	0.000121072	0.000123393	0.000113043	0.000255588	0.000135823	0.000129162	**5713**	0.000126695
0.00011773	0.000107945	0.000241577	0.000127234	0.000122895	0.000115217	0.000105496	0.000239378	0.000127234	0.000131225	**5714**	0.000117869
0.000111621	0.000102382	0.000228562	0.000120714	0.000130933	0.00010931	0.000100132	0.000226538	0.000120714	0.000140161	**5715**	0.000111752
0.000112251	0.000102989	0.000229474	0.000121536	0.000144164	0.000109997	0.0001008	0.000227463	0.000121536	0.00015484	**5716**	0.00011239
0.000119763	0.000109906	0.000244513	0.000129624	0.000158237	0.000117315	0.000107529	0.000242312	0.000129624	0.000170428	**5717**	0.000119932
0.000128843	0.000118283	0.000262499	0.000139061	0.000164256	0.00012601	0.000115518	0.000260016	0.000139061	0.000177273	**5718**	0.000129052
0.000133206	0.000122066	0.000274208	0.000145122	0.000215858	0.000130599	0.000119575	0.000271396	0.000145122	0.000222143	**5719**	0.000133477
0.000143887	0.000131302	0.000303161	0.000159563	0.000218333	0.00014196	0.000129583	0.000300049	0.000159563	0.000224948	**5720**	0.000144151
0.000151574	0.000138328	0.000319231	0.000168009	0.000222792	0.000149512	0.000136481	0.000315941	0.000168009	0.000229833	**5721**	0.000151856
0.000162742	0.00014853	0.000342617	0.000180359	0.000223135	0.000160517	0.000146537	0.000339082	0.000180359	0.000230168	**5722**	0.000163047
0.000177343	0.000161746	0.000374758	0.000196892	0.000222095	0.000175048	0.000159711	0.000370943	0.000196892	0.000228988	**5723**	0.000177647
0.000194575	0.00017712	0.000415501	0.000217393	0.000214526	0.000192586	0.000175449	0.000411474	0.000217393	0.000222625	**5724**	0.000194822
0.000210925	0.000191791	0.000453101	0.000236525	0.000215836	0.000209104	0.000190335	0.000448836	0.000236525	0.000224091	**5725**	0.000211139
0.000228574	0.000207508	0.000495193	0.000257689	0.000212872	0.000227135	0.000206497	0.000490732	0.000257689	0.000220819	**5726**	0.000228721
0.000241757	0.000219341	0.000525464	0.000273212	0.000212733	0.000240499	0.000218551	0.000520828	0.000273212	0.000218636	**5727**	0.000241878
0.000248198	0.000225223	0.000538974	0.000280325	0.000201552	0.000246841	0.000224344	0.000534195	0.000280325	0.000206259	**5728**	0.000248332
0.000252018	0.000228886	0.000544795	0.000284127	0.000192961	0.000250462	0.000227802	0.000539896	0.000284127	0.000196781	**5729**	0.000252204
0.000249931	0.000227366	0.000535536	0.000279217	0.000187832	0.000247323	0.000225166	0.000530333	0.000279217	0.000191137	**5730**	0.000250211
0.000245128	0.000223695	0.000516397	0.000269253	0.000171042	0.000240662	0.000219522	0.000510679	0.000269253	0.000176641	**5731**	0.00024558
0.000232774	0.000213061	0.000482274	0.000252469	0.000153978	0.000227244	0.000207733	0.000476442	0.000252469	0.000161634	**5732**	0.000233365
0.000214839	0.000197278	0.0004371	0.000228955	0.000139305	0.000208274	0.000190792	0.000431573	0.000228955	0.00014743	**5733**	0.000215442
0.000189641	0.000174718	0.000378518	0.000198861	0.000127908	0.000182772	0.000167826	0.000373663	0.000198861	0.000136677	**5734**	0.000190204
0.000164258	0.000151315	0.000328074	0.000172413	0.000123351	0.00015844	0.000145478	0.000323999	0.000172413	0.000131661	**5735**	0.000164714
0.000144037	0.000132499	0.000290071	0.000152648	0.000121316	0.000139605	0.000128081	0.000286796	0.000152648	0.000129419	**5736**	0.000144363
0.000125855	0.000115526	0.000256593	0.000135064	0.000121239	0.000122739	0.000112458	0.000254058	0.000135064	0.000129338	**5737**	0.000126051
0.000117048	0.000107331	0.000240039	0.000126441	0.000122589	0.000114529	0.000104874	0.000237851	0.000126441	0.000130888	**5738**	0.000117188
0.000110844	0.000101684	0.000226785	0.000119808	0.000130663	0.000108526	9.94245E-05	0.000224773	0.000119808	0.000139866	**5739**	0.000110976
0.000111686	0.000102482	0.000228185	0.000120878	0.000143907	0.000109428	0.000100287	0.000226183	0.000120878	0.000154558	**5740**	0.000111827
0.000119358	0.000109543	0.000243583	0.000129151	0.000157987	0.000116907	0.000107161	0.000241388	0.000129151	0.000170153	**5741**	0.000119528
0.000128748	0.000118196	0.0002623	0.000138952	0.000164258	0.000125915	0.000115431	0.000259819	0.000138952	0.000177276	**5742**	0.000128957
0.00013457	0.000123543	0.00027414	0.000145174	0.000215351	0.000131464	0.000120514	0.000271326	0.000145174	0.000221582	**5743**	0.000134844
0.000143386	0.000130852	0.000302026	0.00015898	0.000218098	0.000141455	0.000129127	0.000298921	0.00015898	0.00022469	**5744**	0.000143651
0.00015074	0.000137574	0.000317383	0.000167042	0.000222558	0.000148671	0.000135719	0.000314106	0.000167042	0.00022958	**5745**	0.000151022
0.000161425	0.000147344	0.000339653	0.000178828	0.000222718	0.00015919	0.000145336	0.000336139	0.000178828	0.000229715	**5746**	0.000161731
0.000175369	0.000159963	0.000370357	0.000194601	0.00022161	0.000173059	0.000157908	0.000366571	0.000194601	0.000228462	**5747**	0.000175674
0.000192219	0.000174989	0.000410299	0.000214664	0.000214067	0.000190213	0.000173295	0.000406308	0.000214664	0.000222127	**5748**	0.000192466
0.000207495	0.000188703	0.000445333	0.000232532	0.000215293	0.000205645	0.000187209	0.00044112	0.000232532	0.0002235	**5749**	0.000207712
0.000224102	0.000203495	0.000484919	0.000252469	0.000212191	0.000222623	0.000202431	0.000480525	0.000252469	0.000220076	**5750**	0.000224257
0.000237052	0.000215119	0.000514653	0.000267721	0.000212222	0.000235752	0.000214273	0.000510088	0.000267721	0.000218082	**5751**	0.000237182
0.000243399	0.000220922	0.00052789	0.000274719	0.000201049	0.000241999	0.000219984	0.000523183	0.000274719	0.000205715	**5752**	0.000243544
0.000247355	0.000224696	0.000534134	0.000278689	0.000192445	0.000245758	0.000223559	0.000529305	0.000278689	0.000196223	**5753**	0.000247549
0.0002449	0.000222851	0.000523961	0.000273343	0.000187284	0.000242246	0.000220592	0.000518833	0.000273343	0.000190544	**5754**	0.00024519
0.000240868	0.000219866	0.000506681	0.000264288	0.000170433	0.000236366	0.000215644	0.000501027	0.000264288	0.00017598	**5755**	0.000241327
0.000228808	0.000209497	0.000473213	0.000247845	0.000153352	0.000223243	0.000204125	0.00046744	0.000247845	0.000160955	**5756**	0.000229406
0.000209776	0.000192472	0.000428795	0.000224599	0.000138616	0.00020368	0.000186483	0.000423325	0.000224599	0.00014668	**5757**	0.000210381
0.000186537	0.000171926	0.000371466	0.000195246	0.000127125	0.000179642	0.000165001	0.000366658	0.000195246	0.000135824	**5758**	0.000187105
0.000161848	0.000149142	0.00032266	0.000169611	0.000122638	0.00015601	0.000143279	0.000318621	0.000169611	0.000130883	**5759**	0.000162305
0.000142656	0.00013125	0.000287011	0.000151048	0.000121017	0.000138214	0.000126819	0.000283758	0.000151048	0.000129094	**5760**	0.000142982
0.000125855	0.000115526	0.000256593	0.000135064	0.000121239	0.000122739	0.000112458	0.000254058	0.000135064	0.000129338	**5761**	0.000126051
0.000117048	0.000107331	0.000240039	0.000126441	0.000122589	0.000114529	0.000104874	0.000237851	0.000126441	0.000130888	**5762**	0.000117188
0.000110844	0.000101684	0.000226785	0.000119808	0.000130663	0.000108526	9.94245E-05	0.000224773	0.000119808	0.000139866	**5763**	0.000110976
0.000111686	0.000102482	0.000228185	0.000120878	0.000143907	0.000109428	0.000100287	0.000226183	0.000120878	0.000154558	**5764**	0.000111827
0.000119358	0.000109543	0.000243583	0.000129151	0.000157987	0.000116907	0.000107161	0.000241388	0.000129151	0.000170153	**5765**	0.000119528
0.000128748	0.000118196	0.0002623	0.000138952	0.000164258	0.000125915	0.000115431	0.000259819	0.000138952	0.000177276	**5766**	0.000128957
0.00013457	0.000123543	0.00027414	0.000145174	0.000215351	0.000131464	0.000120514	0.000271326	0.000145174	0.000221582	**5767**	0.000134844

0.000143386	0.000130852	0.000302026	0.00015898	0.000218098	0.000141455	0.000129127	0.000298921	0.00015898	0.00022469	**5768**	0.000143651
0.00015074	0.000137574	0.000317383	0.000167042	0.000222558	0.000148671	0.000135719	0.000314106	0.000167042	0.00022958	**5769**	0.000151022
0.000161425	0.000147344	0.000339653	0.000178828	0.000222718	0.00015919	0.000145336	0.000336139	0.000178828	0.000229715	**5770**	0.000161731
0.000175369	0.000159963	0.000370357	0.000194601	0.00022161	0.000173059	0.000157908	0.000366571	0.000194601	0.000228462	**5771**	0.000175674
0.000192219	0.000174989	0.000410299	0.000214664	0.000214067	0.000190213	0.000173295	0.000406308	0.000214664	0.000222127	**5772**	0.000192466
0.000207495	0.000188703	0.000445333	0.000232532	0.000215293	0.000205645	0.000187209	0.00044112	0.000232532	0.0002235	**5773**	0.000207712
0.000224102	0.000203495	0.000484919	0.000252469	0.000212191	0.000222623	0.000202431	0.000480525	0.000252469	0.000220076	**5774**	0.000224257
0.000237052	0.000215119	0.000514653	0.000267721	0.000212222	0.000235752	0.000214273	0.000510088	0.000267721	0.000218082	**5775**	0.000237182
0.000243399	0.000220922	0.00052789	0.000274719	0.000201049	0.000241999	0.000219984	0.000523183	0.000274719	0.000205715	**5776**	0.000243544
0.000247355	0.000224696	0.000534134	0.000278689	0.000192445	0.000245758	0.000223559	0.000529305	0.000278689	0.000196223	**5777**	0.000247549
0.0002449	0.000222851	0.000523961	0.000273343	0.000187284	0.000242246	0.000220592	0.000518833	0.000273343	0.000190544	**5778**	0.00024519
0.000240868	0.000219866	0.000506681	0.000264288	0.000170433	0.000236366	0.000215644	0.000501027	0.000264288	0.00017598	**5779**	0.000241327
0.000228808	0.000209497	0.000473213	0.000247845	0.000153352	0.000223243	0.000204125	0.00046744	0.000247845	0.000160955	**5780**	0.000229406
0.000209776	0.000192472	0.000428795	0.000224599	0.000138616	0.00020368	0.000186483	0.000423325	0.000224599	0.00014668	**5781**	0.000210381
0.000186537	0.000171926	0.000371466	0.000195246	0.000127125	0.000179642	0.000165001	0.000366658	0.000195246	0.000135824	**5782**	0.000187105
0.000161848	0.000149142	0.00032266	0.000169611	0.000122638	0.00015601	0.000143279	0.000318621	0.000169611	0.000130883	**5783**	0.000162305
0.000142656	0.00013125	0.000287011	0.000151048	0.000121017	0.000138214	0.000126819	0.000283758	0.000151048	0.000129094	**5784**	0.000142982
0.000126502	0.000116102	0.000258132	0.000135823	0.000121072	0.000123393	0.000113043	0.000255588	0.000135823	0.000129162	**5785**	0.000126695
0.00011773	0.000107945	0.000241577	0.000127234	0.000122895	0.000115217	0.000105496	0.000239378	0.000127234	0.000131225	**5786**	0.000117869
0.000111621	0.000102382	0.000228562	0.000120714	0.000130933	0.00010931	0.000100132	0.000226538	0.000120714	0.000140161	**5787**	0.000111752
0.000112251	0.000102989	0.000229474	0.000121536	0.000144164	0.000109997	0.0001008	0.000227463	0.000121536	0.00015484	**5788**	0.00011239
0.000119763	0.000109906	0.000244513	0.000129624	0.000158237	0.000117315	0.000107529	0.000242312	0.000129624	0.000170428	**5789**	0.000119932
0.000128843	0.000118283	0.000262499	0.000139061	0.000164256	0.00012601	0.000115518	0.000260016	0.000139061	0.000177273	**5790**	0.000129052
0.000133206	0.000122066	0.000274208	0.000145122	0.000215858	0.000130599	0.000119575	0.000271396	0.000145122	0.000222143	**5791**	0.000133477
0.000143887	0.000131302	0.000303161	0.000159563	0.000218333	0.00014196	0.000129583	0.000300049	0.000159563	0.000224948	**5792**	0.000144151
0.000151574	0.000138328	0.000319231	0.000168009	0.000222792	0.000149512	0.000136481	0.000315941	0.000168009	0.000229833	**5793**	0.000151856
0.000162742	0.00014853	0.000342617	0.000180359	0.000223135	0.000160517	0.000146537	0.000339082	0.000180359	0.000230168	**5794**	0.000163047
0.000177343	0.000161746	0.000374758	0.000196892	0.000222095	0.000175048	0.000159711	0.000370943	0.000196892	0.000228988	**5795**	0.000177647
0.000194575	0.00017712	0.000415501	0.000217393	0.000214526	0.000192586	0.000175449	0.000411474	0.000217393	0.000222625	**5796**	0.000194822
0.000210925	0.000191791	0.000453101	0.000236525	0.000215836	0.000209104	0.000190335	0.000448836	0.000236525	0.000224091	**5797**	0.000211139
0.000228574	0.000207508	0.000495193	0.000257689	0.000212872	0.000227135	0.000206497	0.000490732	0.000257689	0.000220819	**5798**	0.000228721
0.000241757	0.000219341	0.000525464	0.000273212	0.000212733	0.000240499	0.000218551	0.000520828	0.000273212	0.000218636	**5799**	0.000241878
0.000248198	0.000225223	0.000538974	0.000280325	0.000201552	0.000246841	0.000224344	0.000534195	0.000280325	0.000206259	**5800**	0.000248332
0.000252018	0.000228886	0.000544795	0.000284127	0.000192961	0.000250462	0.000227802	0.000539896	0.000284127	0.000196781	**5801**	0.000252204
0.000249931	0.000227366	0.000535536	0.000279217	0.000187832	0.000247323	0.000225166	0.000530333	0.000279217	0.000191137	**5802**	0.000250211
0.000245128	0.000223695	0.000516397	0.000269253	0.000171042	0.000240662	0.000219522	0.000510679	0.000269253	0.000176641	**5803**	0.00024558
0.000232774	0.000213061	0.000482274	0.000252469	0.000153978	0.000227244	0.000207733	0.000476442	0.000252469	0.000161634	**5804**	0.000233365
0.000214839	0.000197278	0.0004371	0.000228955	0.000139305	0.000208274	0.000190792	0.000431573	0.000228955	0.00014743	**5805**	0.000215442
0.000189641	0.000174718	0.000378518	0.000198861	0.000127908	0.000182772	0.000167826	0.000373663	0.000198861	0.000136677	**5806**	0.000190204
0.000164258	0.000151315	0.000328074	0.000172413	0.000123351	0.00015844	0.000145478	0.000323999	0.000172413	0.000131661	**5807**	0.000164714
0.000144037	0.000132499	0.000290071	0.000152648	0.000121316	0.000139605	0.000128081	0.000286796	0.000152648	0.000129419	**5808**	0.000144363
0.000126502	0.000116102	0.000258132	0.000135823	0.000121072	0.000123393	0.000113043	0.000255588	0.000135823	0.000129162	**5809**	0.000126695
0.00011773	0.000107945	0.000241577	0.000127234	0.000122895	0.000115217	0.000105496	0.000239378	0.000127234	0.000131225	**5810**	0.000117869
0.000111621	0.000102382	0.000228562	0.000120714	0.000130933	0.00010931	0.000100132	0.000226538	0.000120714	0.000140161	**5811**	0.000111752
0.000112251	0.000102989	0.000229474	0.000121536	0.000144164	0.000109997	0.0001008	0.000227463	0.000121536	0.00015484	**5812**	0.00011239
0.000119763	0.000109906	0.000244513	0.000129624	0.000158237	0.000117315	0.000107529	0.000242312	0.000129624	0.000170428	**5813**	0.000119932
0.000128843	0.000118283	0.000262499	0.000139061	0.000164256	0.00012601	0.000115518	0.000260016	0.000139061	0.000177273	**5814**	0.000129052
0.000133206	0.000122066	0.000274208	0.000145122	0.000215858	0.000130599	0.000119575	0.000271396	0.000145122	0.000222143	**5815**	0.000133477
0.000143887	0.000131302	0.000303161	0.000159563	0.000218333	0.00014196	0.000129583	0.000300049	0.000159563	0.000224948	**5816**	0.000144151
0.000151574	0.000138328	0.000319231	0.000168009	0.000222792	0.000149512	0.000136481	0.000315941	0.000168009	0.000229833	**5817**	0.000151856
0.000162742	0.00014853	0.000342617	0.000180359	0.000223135	0.000160517	0.000146537	0.000339082	0.000180359	0.000230168	**5818**	0.000163047
0.000177343	0.000161746	0.000374758	0.000196892	0.000222095	0.000175048	0.000159711	0.000370943	0.000196892	0.000228988	**5819**	0.000177647
0.000194575	0.00017712	0.000415501	0.000217393	0.000214526	0.000192586	0.000175449	0.000411474	0.000217393	0.000222625	**5820**	0.000194822
0.000210925	0.000191791	0.000453101	0.000236525	0.000215836	0.000209104	0.000190335	0.000448836	0.000236525	0.000224091	**5821**	0.000211139
0.000228574	0.000207508	0.000495193	0.000257689	0.000212872	0.000227135	0.000206497	0.000490732	0.000257689	0.000220819	**5822**	0.000228721
0.000241757	0.000219341	0.000525464	0.000273212	0.000212733	0.000240499	0.000218551	0.000520828	0.000273212	0.000218636	**5823**	0.000241878
0.000248198	0.000225223	0.000538974	0.000280325	0.000201552	0.000246841	0.000224344	0.000534195	0.000280325	0.000206259	**5824**	0.000248332
0.000252018	0.000228886	0.000544795	0.000284127	0.000192961	0.000250462	0.000227802	0.000539896	0.000284127	0.000196781	**5825**	0.000252204
0.000249931	0.000227366	0.000535536	0.000279217	0.000187832	0.000247323	0.000225166	0.000530333	0.000279217	0.000191137	**5826**	0.000250211
0.000245128	0.000223695	0.000516397	0.000269253	0.000171042	0.000240662	0.000219522	0.000510679	0.000269253	0.000176641	**5827**	0.00024558
0.000232774	0.000213061	0.000482274	0.000252469	0.000153978	0.000227244	0.000207733	0.000476442	0.000252469	0.000161634	**5828**	0.000233365
0.000214839	0.000197278	0.0004371	0.000228955	0.000139305	0.000208274	0.000190792	0.000431573	0.000228955	0.00014743	**5829**	0.000215442
0.000189641	0.000174718	0.000378518	0.000198861	0.000127908	0.000182772	0.000167826	0.000373663	0.000198861	0.000136677	**5830**	0.000190204
0.000164258	0.000151315	0.000328074	0.000172413	0.000123351	0.00015844	0.000145478	0.000323999	0.000172413	0.000131661	**5831**	0.000164714
0.000144037	0.000132499	0.000290071	0.000152648	0.000121316	0.000139605	0.000128081	0.000286796	0.000152648	0.000129419	**5832**	0.000144363
0.000126502	0.000116102	0.000258132	0.000135823	0.000121072	0.000123393	0.000113043	0.000255588	0.000135823	0.000129162	**5833**	0.000126695
0.00011773	0.000107945	0.000241577	0.000127234	0.000122895	0.000115217	0.000105496	0.000239378	0.000127234	0.000131225	**5834**	0.000117869
0.000111621	0.000102382	0.000228562	0.000120714	0.000130933	0.00010931	0.000100132	0.000226538	0.000120714	0.000140161	**5835**	0.000111752
0.000112251	0.000102989	0.000229474	0.000121536	0.000144164	0.000109997	0.0001008	0.000227463	0.000121536	0.00015484	**5836**	0.00011239
0.000119763	0.000109906	0.000244513	0.000129624	0.000158237	0.000117315	0.000107529	0.000242312	0.000129624	0.000170428	**5837**	0.000119932
0.000128843	0.000118283	0.000262499	0.000139061	0.000164256	0.00012601	0.000115518	0.000260016	0.000139061	0.000177273	**5838**	0.000129052
0.000133206	0.000122066	0.000274208	0.000145122	0.000215858	0.000130599	0.000119575	0.000271396	0.000145122	0.000222143	**5839**	0.000133477
0.000143887	0.000131302	0.000303161	0.000159563	0.000218333	0.00014196	0.000129583	0.000300049	0.000159563	0.000224948	**5840**	0.000144151
0.000151574	0.000138328	0.000319231	0.000168009	0.000222792	0.000149512	0.000136481	0.000315941	0.000168009	0.000229833	**5841**	0.000151856
0.000162742	0.00014853	0.000342617	0.000180359	0.000223135	0.000160517	0.000146537	0.000339082	0.000180359	0.000230168	**5842**	0.000163047
0.000177343	0.000161746	0.000374758	0.000196892	0.000222095	0.000175048	0.000159711	0.000370943	0.000196892	0.000228988	**5843**	0.000177647

0.000194575	0.00017712	0.000415501	0.000217393	0.000214526	0.000192586	0.000175449	0.000411474	0.000217393	0.000222625	**5844**	0.000194822
0.000210925	0.000191791	0.000453101	0.000236525	0.000215836	0.000209104	0.000190335	0.000448836	0.000236525	0.000224091	**5845**	0.000211139
0.000228574	0.000207508	0.000495193	0.000257689	0.000212872	0.000227135	0.000206497	0.000490732	0.000257689	0.000220819	**5846**	0.000228721
0.000241757	0.000219341	0.000525464	0.000273212	0.000212733	0.000240499	0.000218551	0.000520828	0.000273212	0.000218636	**5847**	0.000241878
0.000248198	0.000225223	0.000538974	0.000280325	0.000201552	0.000246841	0.000224344	0.000534195	0.000280325	0.000206259	**5848**	0.000248332
0.000252018	0.000228886	0.000544795	0.000284127	0.000192961	0.000250462	0.000227802	0.000539896	0.000284127	0.000196781	**5849**	0.000252204
0.000249931	0.000227366	0.000535536	0.000279217	0.000187832	0.000247323	0.000225166	0.000530333	0.000279217	0.000191137	**5850**	0.000250211
0.000245128	0.000223695	0.000516397	0.000269253	0.000171042	0.000240662	0.000219522	0.000510679	0.000269253	0.000176641	**5851**	0.00024558
0.000232774	0.000213061	0.000482274	0.000252469	0.000153978	0.000227244	0.000207733	0.000476442	0.000252469	0.000161634	**5852**	0.000233365
0.000214839	0.000197278	0.0004371	0.000228955	0.000139305	0.000208274	0.000190792	0.000431573	0.000228955	0.00014743	**5853**	0.000215442
0.000189641	0.000174718	0.000378518	0.000198861	0.000127908	0.000182772	0.000167826	0.000373663	0.000198861	0.000136677	**5854**	0.000190204
0.000164258	0.000151315	0.000328074	0.000172413	0.000123351	0.00015844	0.000145478	0.000323999	0.000172413	0.000131661	**5855**	0.000164714
0.000144037	0.000132499	0.000290071	0.000152648	0.000121316	0.000139605	0.000128081	0.000286796	0.000152648	0.000129419	**5856**	0.000144363
6.96768E-05	7.37956E-05	1.75462E-05	6.03588E-05	0.000114411	6.8485E-05	7.24169E-05	1.82652E-05	6.03588E-05	0.000121857	**5857**	6.92287E-05
6.63847E-05	7.03604E-05	1.60657E-05	5.86424E-05	0.000117126	6.59068E-05	6.9733E-05	1.70366E-05	5.86424E-05	0.000124883	**5858**	6.59252E-05
6.57739E-05	6.97317E-05	1.5682E-05	5.88622E-05	0.000125369	6.57036E-05	6.95323E-05	1.68017E-05	5.88622E-05	0.000134055	**5859**	6.53326E-05
6.88003E-05	7.29386E-05	1.64237E-05	6.26922E-05	0.000136751	6.92552E-05	7.32871E-05	1.77568E-05	6.26922E-05	0.000146686	**5860**	6.84116E-05
7.57204E-05	8.02585E-05	1.82824E-05	6.90883E-05	0.000151099	7.6227E-05	8.06534E-05	1.96895E-05	6.90883E-05	0.000162577	**5861**	7.52799E-05
8.23295E-05	8.7231E-05	2.02917E-05	7.46148E-05	0.000159016	8.25664E-05	8.7336E-05	2.16466E-05	7.46148E-05	0.000171514	**5862**	8.1848E-05
8.36084E-05	8.8485E-05	2.18867E-05	7.67518E-05	0.000212227	8.4083E-05	8.8864E-05	2.30175E-05	7.67518E-05	0.000218159	**5863**	8.31589E-05
8.12607E-05	8.59176E-05	2.232E-05	7.66093E-05	0.000216476	8.24887E-05	8.71159E-05	2.33882E-05	7.66093E-05	0.000222958	**5864**	8.09186E-05
8.18954E-05	8.6573E-05	2.26928E-05	7.68987E-05	0.000218831	8.29501E-05	8.75892E-05	2.36961E-05	7.68987E-05	0.000225491	**5865**	8.15748E-05
8.60865E-05	9.10015E-05	2.38791E-05	8.03373E-05	0.000219115	8.69551E-05	9.18177E-05	2.48477E-05	8.03373E-05	0.000225762	**5866**	8.57109E-05
8.93797E-05	9.44814E-05	2.48088E-05	8.29992E-05	0.000220316	9.00835E-05	9.51209E-05	2.57437E-05	8.29992E-05	0.000227082	**5867**	8.89564E-05
9.01493E-05	9.53195E-05	2.47125E-05	8.34913E-05	0.000214589	9.08108E-05	9.59123E-05	2.56517E-05	8.34913E-05	0.00022277	**5868**	8.96206E-05
9.3235E-05	9.85988E-05	2.5347E-05	8.63735E-05	0.000212376	9.39696E-05	9.92641E-05	2.63453E-05	8.63735E-05	0.000220313	**5869**	9.26348E-05
9.7265E-05	0.000102893	2.60347E-05	9.08696E-05	0.000206786	9.84679E-05	0.000104044	2.72483E-05	9.08696E-05	0.000214131	**5870**	9.66009E-05
0.000102973	0.000108959	2.72069E-05	9.6412E-05	0.000202815	0.000104411	0.00011035	2.85654E-05	9.6412E-05	0.000207696	**5871**	0.000102195
0.000111327	0.000117824	2.90976E-05	0.000103457	0.00019138	0.000112572	0.000119	3.04703E-05	0.000103457	0.000195024	**5872**	0.000110332
0.000118746	0.00012567	3.11186E-05	0.000110978	0.000183338	0.000120356	0.000127221	3.2679E-05	0.000110978	0.000186142	**5873**	0.000117764
0.000122388	0.00012943	3.32612E-05	0.000113018	0.000177443	0.000123182	0.000130125	3.4512E-05	0.000113018	0.00017966	**5874**	0.000121564
0.000126207	0.000133327	3.60937E-05	0.000112328	0.000160013	0.000124697	0.000131604	3.64819E-05	0.000112328	0.000164454	**5875**	0.000125446
0.000121474	0.000128209	3.62293E-05	0.000106535	0.000143829	0.000118998	0.000125482	3.61765E-05	0.000106535	0.000150439	**5876**	0.000120989
0.000113898	0.000120209	3.40201E-05	9.67303E-05	0.000129717	0.000110063	0.000116042	3.36974E-05	9.67303E-05	0.000136862	**5877**	0.000113543
0.00010242	0.000108146	2.99433E-05	8.44607E-05	0.000119177	9.78893E-05	0.000103237	2.9589E-05	8.44607E-05	0.000127059	**5878**	0.000102114
8.89082E-05	9.39193E-05	2.5485E-05	7.38458E-05	0.000115394	8.53172E-05	9.00091E-05	2.53902E-05	7.38458E-05	0.000122898	**5879**	8.86555E-05
7.89935E-05	8.35441E-05	2.13982E-05	6.69315E-05	0.000113506	7.66568E-05	8.09573E-05	2.17288E-05	6.69315E-05	0.00012084	**5880**	7.86452E-05
6.96768E-05	7.37956E-05	1.75462E-05	6.03588E-05	0.000114411	6.8485E-05	7.24169E-05	1.82652E-05	6.03588E-05	0.000121857	**5881**	6.92287E-05
6.63847E-05	7.03604E-05	1.60657E-05	5.86424E-05	0.000117126	6.59068E-05	6.9733E-05	1.70366E-05	5.86424E-05	0.000124883	**5882**	6.59252E-05
6.57739E-05	6.97317E-05	1.5682E-05	5.88622E-05	0.000125369	6.57036E-05	6.95323E-05	1.68017E-05	5.88622E-05	0.000134055	**5883**	6.53326E-05
6.88003E-05	7.29386E-05	1.64237E-05	6.26922E-05	0.000136751	6.92552E-05	7.32871E-05	1.77568E-05	6.26922E-05	0.000146686	**5884**	6.84116E-05
7.57204E-05	8.02585E-05	1.82824E-05	6.90883E-05	0.000151099	7.6227E-05	8.06534E-05	1.96895E-05	6.90883E-05	0.000162577	**5885**	7.52799E-05
8.23295E-05	8.7231E-05	2.02917E-05	7.46148E-05	0.000159016	8.25664E-05	8.7336E-05	2.16466E-05	7.46148E-05	0.000171514	**5886**	8.1848E-05
8.36084E-05	8.8485E-05	2.18867E-05	7.67518E-05	0.000212227	8.4083E-05	8.8864E-05	2.30175E-05	7.67518E-05	0.000218159	**5887**	8.31589E-05
8.12607E-05	8.59176E-05	2.232E-05	7.66093E-05	0.000216476	8.24887E-05	8.71159E-05	2.33882E-05	7.66093E-05	0.000222958	**5888**	8.09186E-05
8.18954E-05	8.6573E-05	2.26928E-05	7.68987E-05	0.000218831	8.29501E-05	8.75892E-05	2.36961E-05	7.68987E-05	0.000225491	**5889**	8.15748E-05
8.60865E-05	9.10015E-05	2.38791E-05	8.03373E-05	0.000219115	8.69551E-05	9.18177E-05	2.48477E-05	8.03373E-05	0.000225762	**5890**	8.57109E-05
8.93797E-05	9.44814E-05	2.48088E-05	8.29992E-05	0.000220316	9.00835E-05	9.51209E-05	2.57437E-05	8.29992E-05	0.000227082	**5891**	8.89564E-05
9.01493E-05	9.53195E-05	2.47125E-05	8.34913E-05	0.000214589	9.08108E-05	9.59123E-05	2.56517E-05	8.34913E-05	0.00022277	**5892**	8.96206E-05
9.3235E-05	9.85988E-05	2.5347E-05	8.63735E-05	0.000212376	9.39696E-05	9.92641E-05	2.63453E-05	8.63735E-05	0.000220313	**5893**	9.26348E-05
9.7265E-05	0.000102893	2.60347E-05	9.08696E-05	0.000206786	9.84679E-05	0.000104044	2.72483E-05	9.08696E-05	0.000214131	**5894**	9.66009E-05
0.000102973	0.000108959	2.72069E-05	9.6412E-05	0.000202815	0.000104411	0.00011035	2.85654E-05	9.6412E-05	0.000207696	**5895**	0.000102195
0.000111327	0.000117824	2.90976E-05	0.000103457	0.00019138	0.000112572	0.000119	3.04703E-05	0.000103457	0.000195024	**5896**	0.000110332
0.000118746	0.00012567	3.11186E-05	0.000110978	0.000183338	0.000120356	0.000127221	3.2679E-05	0.000110978	0.000186142	**5897**	0.000117764
0.000122388	0.00012943	3.32612E-05	0.000113018	0.000177443	0.000123182	0.000130125	3.4512E-05	0.000113018	0.00017966	**5898**	0.000121564
0.000126207	0.000133327	3.60937E-05	0.000112328	0.000160013	0.000124697	0.000131604	3.64819E-05	0.000112328	0.000164454	**5899**	0.000125446
0.000121474	0.000128209	3.62293E-05	0.000106535	0.000143829	0.000118998	0.000125482	3.61765E-05	0.000106535	0.000150439	**5900**	0.000120989
0.000113898	0.000120209	3.40201E-05	9.67303E-05	0.000129717	0.000110063	0.000116042	3.36974E-05	9.67303E-05	0.000136862	**5901**	0.000113543
0.00010242	0.000108146	2.99433E-05	8.44607E-05	0.000119177	9.78893E-05	0.000103237	2.9589E-05	8.44607E-05	0.000127059	**5902**	0.000102114
8.89082E-05	9.39193E-05	2.5485E-05	7.38458E-05	0.000115394	8.53172E-05	9.00091E-05	2.53902E-05	7.38458E-05	0.000122898	**5903**	8.86555E-05
7.89935E-05	8.35441E-05	2.13982E-05	6.69315E-05	0.000113506	7.66568E-05	8.09573E-05	2.17288E-05	6.69315E-05	0.00012084	**5904**	7.86452E-05
7.09416E-05	7.51388E-05	1.78192E-05	6.15295E-05	0.000113697	6.97724E-05	7.3782E-05	1.85593E-05	6.15295E-05	0.000121042	**5905**	7.04666E-05
6.61975E-05	7.0162E-05	1.60199E-05	5.84413E-05	0.000117851	6.5704E-05	6.95185E-05	1.69836E-05	5.84413E-05	0.000125695	**5906**	6.5738E-05
6.56414E-05	6.95907E-05	1.56572E-05	5.87592E-05	0.000126059	6.55774E-05	6.93981E-05	1.67776E-05	5.87592E-05	0.000134827	**5907**	6.52057E-05
6.88232E-05	7.29623E-05	1.64355E-05	6.27484E-05	0.000137696	6.92938E-05	7.33275E-05	1.7774E-05	6.27484E-05	0.000147739	**5908**	6.8439E-05
7.59852E-05	8.05386E-05	1.83547E-05	6.94114E-05	0.000152483	7.65307E-05	8.09741E-05	1.97776E-05	6.94114E-05	0.000164115	**5909**	7.55501E-05
8.23671E-05	8.72696E-05	2.03182E-05	7.4745E-05	0.000160916	8.26465E-05	8.74192E-05	2.16877E-05	7.4745E-05	0.000173625	**5910**	8.18984E-05
8.48023E-05	8.97722E-05	2.18998E-05	7.66906E-05	0.000214425	8.47872E-05	8.96224E-05	2.30282E-05	7.66906E-05	0.000220595	**5911**	8.43667E-05
8.05859E-05	8.52016E-05	2.21665E-05	7.59444E-05	0.000219252	8.17842E-05	8.63696E-05	2.32176E-05	7.59444E-05	0.00022603	**5912**	8.02525E-05
8.11648E-05	8.57975E-05	2.25304E-05	7.61981E-05	0.000221888	8.21958E-05	8.67898E-05	2.35179E-05	7.61981E-05	0.000228867	**5913**	8.08563E-05
8.6072E-05	9.0986E-05	2.3878E-05	8.03344E-05	0.000222111	8.69449E-05	9.18067E-05	2.48479E-05	8.03344E-05	0.000229064	**5914**	8.56982E-05
9.03051E-05	9.54635E-05	2.50175E-05	8.3902E-05	0.000223402	9.10457E-05	9.61403E-05	2.59746E-05	8.3902E-05	0.000230474	**5915**	8.98688E-05
9.16282E-05	9.68882E-05	2.50552E-05	8.49816E-05	0.000217758	9.23693E-05	9.75626E-05	2.60368E-05	8.49816E-05	0.000226256	**5916**	9.10853E-05
9.52075E-05	0.000100692	2.57963E-05	8.83213E-05	0.000215198	9.60307E-05	0.000101447	2.68454E-05	8.83213E-05	0.000223412	**5917**	9.45826E-05
9.97636E-05	0.000105546	2.65772E-05	9.31983E-05	0.000209936	0.000101018	0.000106748	2.78346E-05	9.31983E-05	0.000217592	**5918**	9.90487E-05
0.000106021	0.000112196	2.78667E-05	9.92426E-05	0.000205778	0.000107518	0.000113644	2.92772E-05	9.92426E-05	0.000210949	**5919**	0.00010518

0.000115466	0.000122221	2.99718E-05	0.000107188	0.000194405	0.000116741	0.000123422	3.13987E-05	0.000107188	0.000198347	**5920**	0.000114369
0.00012332	0.000130522	3.21719E-05	0.000115554	0.000186502	0.000125161	0.00013231	3.38586E-05	0.000115554	0.000189623	**5921**	0.000122289
0.00012631	0.000133589	3.41837E-05	0.000117042	0.000180696	0.000127347	0.000134533	3.55576E-05	0.000117042	0.000183252	**5922**	0.000125459
0.000129595	0.000136921	3.68613E-05	0.000115652	0.000163287	0.000128228	0.000135344	3.73336E-05	0.000115652	0.000168069	**5923**	0.000128788
0.000124273	0.000131181	3.68362E-05	0.00010914	0.000146972	0.000121852	0.000128509	3.68321E-05	0.00010914	0.000153908	**5924**	0.00012373
0.000114799	0.000121147	3.44579E-05	9.87236E-05	0.000132189	0.000111488	0.000117541	3.41714E-05	9.87236E-05	0.000139586	**5925**	0.000114385
0.000104091	0.000109922	3.02951E-05	8.5961E-05	0.000121007	9.95699E-05	0.00010502	2.99618E-05	8.5961E-05	0.000129069	**5926**	0.000103743
9.0308E-05	9.54043E-05	2.58059E-05	7.52384E-05	0.000117042	8.67844E-05	9.15631E-05	2.57486E-05	7.52384E-05	0.000124707	**5927**	9.00392E-05
8.00037E-05	8.46157E-05	2.16304E-05	6.79399E-05	0.000114687	7.77171E-05	8.20802E-05	2.19886E-05	6.79399E-05	0.000122136	**5928**	7.96443E-05
7.09416E-05	7.51388E-05	1.78192E-05	6.15295E-05	0.000113697	6.97724E-05	7.3782E-05	1.85593E-05	6.15295E-05	0.000121042	**5929**	7.04666E-05
6.61975E-05	7.0162E-05	1.60199E-05	5.84413E-05	0.000117851	6.5704E-05	6.95185E-05	1.69836E-05	5.84413E-05	0.000125695	**5930**	6.5738E-05
6.56414E-05	6.95907E-05	1.56572E-05	5.87592E-05	0.000126059	6.55774E-05	6.93981E-05	1.67776E-05	5.87592E-05	0.000134827	**5931**	6.52057E-05
6.88232E-05	7.29623E-05	1.64355E-05	6.27484E-05	0.000137696	6.92938E-05	7.33275E-05	1.7774E-05	6.27484E-05	0.000147739	**5932**	6.8439E-05
7.59852E-05	8.05386E-05	1.83547E-05	6.94114E-05	0.000152483	7.65307E-05	8.09741E-05	1.97776E-05	6.94114E-05	0.000164115	**5933**	7.55501E-05
8.23671E-05	8.72696E-05	2.03182E-05	7.4745E-05	0.000160916	8.26465E-05	8.74192E-05	2.16877E-05	7.4745E-05	0.000173625	**5934**	8.18984E-05
8.48023E-05	8.97722E-05	2.18998E-05	7.66906E-05	0.000214425	8.47872E-05	8.96224E-05	2.30282E-05	7.66906E-05	0.000220595	**5935**	8.43667E-05
8.05859E-05	8.52016E-05	2.21665E-05	7.59444E-05	0.000219252	8.17842E-05	8.63696E-05	2.32176E-05	7.59444E-05	0.00022603	**5936**	8.02525E-05
8.11648E-05	8.57975E-05	2.25304E-05	7.61981E-05	0.000221888	8.21958E-05	8.67898E-05	2.35179E-05	7.61981E-05	0.000228867	**5937**	8.08563E-05
8.6072E-05	9.0986E-05	2.3878E-05	8.03344E-05	0.000222111	8.69449E-05	9.18067E-05	2.48479E-05	8.03344E-05	0.000229064	**5938**	8.56982E-05
9.03051E-05	9.54635E-05	2.50175E-05	8.3902E-05	0.000223402	9.10457E-05	9.61403E-05	2.59746E-05	8.3902E-05	0.000230474	**5939**	8.98688E-05
9.16282E-05	9.68882E-05	2.50552E-05	8.49816E-05	0.000217758	9.23693E-05	9.75626E-05	2.60368E-05	8.49816E-05	0.000226256	**5940**	9.10853E-05
9.52075E-05	0.000100692	2.57963E-05	8.83213E-05	0.000215198	9.60307E-05	0.000101447	2.68454E-05	8.83213E-05	0.000223412	**5941**	9.45826E-05
9.97636E-05	0.000105546	2.65772E-05	9.31983E-05	0.000209936	0.000101018	0.000106748	2.78346E-05	9.31983E-05	0.000217592	**5942**	9.90487E-05
0.000106021	0.000112196	2.78667E-05	9.92426E-05	0.000205778	0.000107518	0.000113644	2.92772E-05	9.92426E-05	0.000210949	**5943**	0.00010518
0.000115466	0.000122221	2.99718E-05	0.000107188	0.000194405	0.000116741	0.000123422	3.13987E-05	0.000107188	0.000198347	**5944**	0.000114369
0.00012332	0.000130522	3.21719E-05	0.000115554	0.000186502	0.000125161	0.00013231	3.38586E-05	0.000115554	0.000189623	**5945**	0.000122289
0.00012631	0.000133589	3.41837E-05	0.000117042	0.000180696	0.000127347	0.000134533	3.55576E-05	0.000117042	0.000183252	**5946**	0.000125459
0.000129595	0.000136921	3.68613E-05	0.000115652	0.000163287	0.000128228	0.000135344	3.73336E-05	0.000115652	0.000168069	**5947**	0.000128788
0.000124273	0.000131181	3.68362E-05	0.00010914	0.000146972	0.000121852	0.000128509	3.68321E-05	0.00010914	0.000153908	**5948**	0.00012373
0.000114799	0.000121147	3.44579E-05	9.87236E-05	0.000132189	0.000111488	0.000117541	3.41714E-05	9.87236E-05	0.000139586	**5949**	0.000114385
0.000104091	0.000109922	3.02951E-05	8.5961E-05	0.000121007	9.95699E-05	0.00010502	2.99618E-05	8.5961E-05	0.000129069	**5950**	0.000103743
9.0308E-05	9.54043E-05	2.58059E-05	7.52384E-05	0.000117042	8.67844E-05	9.15631E-05	2.57486E-05	7.52384E-05	0.000124707	**5951**	9.00392E-05
8.00037E-05	8.46157E-05	2.16304E-05	6.79399E-05	0.000114687	7.77171E-05	8.20802E-05	2.19886E-05	6.79399E-05	0.000122136	**5952**	7.96443E-05
7.09416E-05	7.51388E-05	1.78192E-05	6.15295E-05	0.000113697	6.97724E-05	7.3782E-05	1.85593E-05	6.15295E-05	0.000121042	**5953**	7.04666E-05
6.61975E-05	7.0162E-05	1.60199E-05	5.84413E-05	0.000117851	6.5704E-05	6.95185E-05	1.69836E-05	5.84413E-05	0.000125695	**5954**	6.5738E-05
6.56414E-05	6.95907E-05	1.56572E-05	5.87592E-05	0.000126059	6.55774E-05	6.93981E-05	1.67776E-05	5.87592E-05	0.000134827	**5955**	6.52057E-05
6.88232E-05	7.29623E-05	1.64355E-05	6.27484E-05	0.000137696	6.92938E-05	7.33275E-05	1.7774E-05	6.27484E-05	0.000147739	**5956**	6.8439E-05
7.59852E-05	8.05386E-05	1.83547E-05	6.94114E-05	0.000152483	7.65307E-05	8.09741E-05	1.97776E-05	6.94114E-05	0.000164115	**5957**	7.55501E-05
8.23671E-05	8.72696E-05	2.03182E-05	7.4745E-05	0.000160916	8.26465E-05	8.74192E-05	2.16877E-05	7.4745E-05	0.000173625	**5958**	8.18984E-05
8.48023E-05	8.97722E-05	2.18998E-05	7.66906E-05	0.000214425	8.47872E-05	8.96224E-05	2.30282E-05	7.66906E-05	0.000220595	**5959**	8.43667E-05
8.05859E-05	8.52016E-05	2.21665E-05	7.59444E-05	0.000219252	8.17842E-05	8.63696E-05	2.32176E-05	7.59444E-05	0.00022603	**5960**	8.02525E-05
8.11648E-05	8.57975E-05	2.25304E-05	7.61981E-05	0.000221888	8.21958E-05	8.67898E-05	2.35179E-05	7.61981E-05	0.000228867	**5961**	8.08563E-05
8.6072E-05	9.0986E-05	2.3878E-05	8.03344E-05	0.000222111	8.69449E-05	9.18067E-05	2.48479E-05	8.03344E-05	0.000229064	**5962**	8.56982E-05
9.03051E-05	9.54635E-05	2.50175E-05	8.3902E-05	0.000223402	9.10457E-05	9.61403E-05	2.59746E-05	8.3902E-05	0.000230474	**5963**	8.98688E-05
9.16282E-05	9.68882E-05	2.50552E-05	8.49816E-05	0.000217758	9.23693E-05	9.75626E-05	2.60368E-05	8.49816E-05	0.000226256	**5964**	9.10853E-05
9.52075E-05	0.000100692	2.57963E-05	8.83213E-05	0.000215198	9.60307E-05	0.000101447	2.68454E-05	8.83213E-05	0.000223412	**5965**	9.45826E-05
9.97636E-05	0.000105546	2.65772E-05	9.31983E-05	0.000209936	0.000101018	0.000106748	2.78346E-05	9.31983E-05	0.000217592	**5966**	9.90487E-05
0.000106021	0.000112196	2.78667E-05	9.92426E-05	0.000205778	0.000107518	0.000113644	2.92772E-05	9.92426E-05	0.000210949	**5967**	0.00010518
0.000115466	0.000122221	2.99718E-05	0.000107188	0.000194405	0.000116741	0.000123422	3.13987E-05	0.000107188	0.000198347	**5968**	0.000114369
0.00012332	0.000130522	3.21719E-05	0.000115554	0.000186502	0.000125161	0.00013231	3.38586E-05	0.000115554	0.000189623	**5969**	0.000122289
0.00012631	0.000133589	3.41837E-05	0.000117042	0.000180696	0.000127347	0.000134533	3.55576E-05	0.000117042	0.000183252	**5970**	0.000125459
0.000129595	0.000136921	3.68613E-05	0.000115652	0.000163287	0.000128228	0.000135344	3.73336E-05	0.000115652	0.000168069	**5971**	0.000128788
0.000124273	0.000131181	3.68362E-05	0.00010914	0.000146972	0.000121852	0.000128509	3.68321E-05	0.00010914	0.000153908	**5972**	0.00012373
0.000114799	0.000121147	3.44579E-05	9.87236E-05	0.000132189	0.000111488	0.000117541	3.41714E-05	9.87236E-05	0.000139586	**5973**	0.000114385
0.000104091	0.000109922	3.02951E-05	8.5961E-05	0.000121007	9.95699E-05	0.00010502	2.99618E-05	8.5961E-05	0.000129069	**5974**	0.000103743
9.0308E-05	9.54043E-05	2.58059E-05	7.52384E-05	0.000117042	8.67844E-05	9.15631E-05	2.57486E-05	7.52384E-05	0.000124707	**5975**	9.00392E-05
8.00037E-05	8.46157E-05	2.16304E-05	6.79399E-05	0.000114687	7.77171E-05	8.20802E-05	2.19886E-05	6.79399E-05	0.000122136	**5976**	7.96443E-05
6.96768E-05	7.37956E-05	1.75462E-05	6.03588E-05	0.000114411	6.8485E-05	7.24169E-05	1.82652E-05	6.03588E-05	0.000121857	**5977**	6.92287E-05
6.63847E-05	7.03604E-05	1.60657E-05	5.86424E-05	0.000117126	6.59068E-05	6.9733E-05	1.70366E-05	5.86424E-05	0.000124883	**5978**	6.59252E-05
6.57739E-05	6.97317E-05	1.5682E-05	5.88622E-05	0.000125369	6.57036E-05	6.95323E-05	1.68017E-05	5.88622E-05	0.000134055	**5979**	6.53326E-05
6.88003E-05	7.29386E-05	1.64237E-05	6.26922E-05	0.000136751	6.92552E-05	7.32871E-05	1.77568E-05	6.26922E-05	0.000146686	**5980**	6.84116E-05
7.57204E-05	8.02585E-05	1.82824E-05	6.90883E-05	0.000151099	7.6227E-05	8.06534E-05	1.96895E-05	6.90883E-05	0.000162577	**5981**	7.52799E-05
8.23295E-05	8.7231E-05	2.02917E-05	7.46148E-05	0.000159016	8.25664E-05	8.7336E-05	2.16466E-05	7.46148E-05	0.000171514	**5982**	8.1848E-05
8.36084E-05	8.8485E-05	2.18867E-05	7.67518E-05	0.000212227	8.4083E-05	8.8864E-05	2.30175E-05	7.67518E-05	0.000218159	**5983**	8.31589E-05
8.12607E-05	8.59176E-05	2.232E-05	7.66093E-05	0.000216476	8.24887E-05	8.71159E-05	2.33882E-05	7.66093E-05	0.000222958	**5984**	8.09186E-05
8.18954E-05	8.6573E-05	2.26928E-05	7.68987E-05	0.000218831	8.29501E-05	8.75892E-05	2.36961E-05	7.68987E-05	0.000225491	**5985**	8.15748E-05
8.60865E-05	9.10015E-05	2.38791E-05	8.03373E-05	0.000219115	8.69551E-05	9.18177E-05	2.48477E-05	8.03373E-05	0.000225762	**5986**	8.57109E-05
8.93797E-05	9.44814E-05	2.48088E-05	8.29992E-05	0.000220316	9.00835E-05	9.51209E-05	2.57437E-05	8.29992E-05	0.000227082	**5987**	8.89564E-05
9.01493E-05	9.53195E-05	2.47125E-05	8.34913E-05	0.000214589	9.08108E-05	9.59123E-05	2.56517E-05	8.34913E-05	0.00022277	**5988**	8.96206E-05
9.3235E-05	9.85988E-05	2.5347E-05	8.63735E-05	0.000212376	9.39696E-05	9.92641E-05	2.63453E-05	8.63735E-05	0.000220313	**5989**	9.26348E-05
9.7265E-05	0.000102893	2.60347E-05	9.08696E-05	0.000206786	9.84679E-05	0.000104044	2.72483E-05	9.08696E-05	0.000214131	**5990**	9.66009E-05
0.000102973	0.000108959	2.72069E-05	9.6412E-05	0.000202815	0.000104411	0.00011035	2.85654E-05	9.6412E-05	0.000207696	**5991**	0.000102195
0.000111327	0.000117824	2.90976E-05	0.000103457	0.00019138	0.000112572	0.000119	3.04703E-05	0.000103457	0.000195024	**5992**	0.000110332
0.000118746	0.00012567	3.11186E-05	0.000110978	0.000183338	0.000120356	0.000127221	3.2679E-05	0.000110978	0.000186142	**5993**	0.000117764
0.000122388	0.00012943	3.32612E-05	0.000113018	0.000177443	0.000123182	0.000130125	3.4512E-05	0.000113018	0.00017966	**5994**	0.000121564
0.000126207	0.000133327	3.60937E-05	0.000112328	0.000160013	0.000124697	0.000131604	3.64819E-05	0.000112328	0.000164454	**5995**	0.000125446

0.000121474	0.000128209	3.62293E-05	0.000106535	0.000143829	0.000118998	0.000125482	3.61765E-05	0.000106535	0.000150439	**5996**	0.000120989
0.000113898	0.000120209	3.40201E-05	9.67303E-05	0.000129717	0.000110063	0.000116042	3.36974E-05	9.67303E-05	0.000136862	**5997**	0.000113543
0.00010242	0.000108146	2.99433E-05	8.44607E-05	0.000119177	9.78893E-05	0.000103237	2.9589E-05	8.44607E-05	0.000127059	**5998**	0.000102114
8.89082E-05	9.39193E-05	2.5485E-05	7.38458E-05	0.000115394	8.53172E-05	9.00091E-05	2.53902E-05	7.38458E-05	0.000122898	**5999**	8.86555E-05
7.89935E-05	8.35441E-05	2.13982E-05	6.69315E-05	0.000113506	7.66568E-05	8.09573E-05	2.17288E-05	6.69315E-05	0.00012084	**6000**	7.86452E-05
6.96768E-05	7.37956E-05	1.75462E-05	6.03588E-05	0.000114411	6.8485E-05	7.24169E-05	1.82652E-05	6.03588E-05	0.000121857	**6001**	6.92287E-05
6.63847E-05	7.03604E-05	1.60657E-05	5.86424E-05	0.000117126	6.59068E-05	6.9733E-05	1.70366E-05	5.86424E-05	0.000124883	**6002**	6.59252E-05
6.57739E-05	6.97317E-05	1.5682E-05	5.88622E-05	0.000125369	6.57036E-05	6.95323E-05	1.68017E-05	5.88622E-05	0.000134055	**6003**	6.53326E-05
6.88003E-05	7.29386E-05	1.64237E-05	6.26922E-05	0.000136751	6.92552E-05	7.32871E-05	1.77568E-05	6.26922E-05	0.000146686	**6004**	6.84116E-05
7.57204E-05	8.02585E-05	1.82824E-05	6.90883E-05	0.000151099	7.6227E-05	8.06534E-05	1.96895E-05	6.90883E-05	0.000162577	**6005**	7.52799E-05
8.23295E-05	8.7231E-05	2.02917E-05	7.46148E-05	0.000159016	8.25664E-05	8.7336E-05	2.16466E-05	7.46148E-05	0.000171514	**6006**	8.1848E-05
8.36084E-05	8.8485E-05	2.18867E-05	7.67518E-05	0.000212227	8.4083E-05	8.8864E-05	2.30175E-05	7.67518E-05	0.000218159	**6007**	8.31589E-05
8.12607E-05	8.59176E-05	2.232E-05	7.66093E-05	0.000216476	8.24887E-05	8.71159E-05	2.33882E-05	7.66093E-05	0.000222958	**6008**	8.09186E-05
8.18954E-05	8.6573E-05	2.26928E-05	7.68987E-05	0.000218831	8.29501E-05	8.75892E-05	2.36961E-05	7.68987E-05	0.000225491	**6009**	8.15748E-05
8.60865E-05	9.10015E-05	2.38791E-05	8.03373E-05	0.000219115	8.69551E-05	9.18177E-05	2.48477E-05	8.03373E-05	0.000225762	**6010**	8.57109E-05
8.93797E-05	9.44814E-05	2.48088E-05	8.29992E-05	0.000220316	9.00835E-05	9.51209E-05	2.57437E-05	8.29992E-05	0.000227082	**6011**	8.89564E-05
9.01493E-05	9.53195E-05	2.47125E-05	8.34913E-05	0.000214589	9.08108E-05	9.59123E-05	2.56517E-05	8.34913E-05	0.00022277	**6012**	8.96206E-05
9.3235E-05	9.85988E-05	2.5347E-05	8.63735E-05	0.000212376	9.39696E-05	9.92641E-05	2.63453E-05	8.63735E-05	0.000220313	**6013**	9.26348E-05
9.7265E-05	0.000102893	2.60347E-05	9.08696E-05	0.000206786	9.84679E-05	0.000104044	2.72483E-05	9.08696E-05	0.000214131	**6014**	9.66009E-05
0.000102973	0.000108959	2.72069E-05	9.6412E-05	0.000202815	0.000104411	0.00011035	2.85654E-05	9.6412E-05	0.000207696	**6015**	0.000102195
0.000111327	0.000117824	2.90976E-05	0.000103457	0.00019138	0.000112572	0.000119	3.04703E-05	0.000103457	0.000195024	**6016**	0.000110332
0.000118746	0.00012567	3.11186E-05	0.000110978	0.000183338	0.000120356	0.000127221	3.2679E-05	0.000110978	0.000186142	**6017**	0.000117764
0.000122388	0.00012943	3.32612E-05	0.000113018	0.000177443	0.000123182	0.000130125	3.4512E-05	0.000113018	0.00017966	**6018**	0.000121564
0.000126207	0.000133327	3.60937E-05	0.000112328	0.000160013	0.000124697	0.000131604	3.64819E-05	0.000112328	0.000164454	**6019**	0.000125446
0.000121474	0.000128209	3.62293E-05	0.000106535	0.000143829	0.000118998	0.000125482	3.61765E-05	0.000106535	0.000150439	**6020**	0.000120989
0.000113898	0.000120209	3.40201E-05	9.67303E-05	0.000129717	0.000110063	0.000116042	3.36974E-05	9.67303E-05	0.000136862	**6021**	0.000113543
0.00010242	0.000108146	2.99433E-05	8.44607E-05	0.000119177	9.78893E-05	0.000103237	2.9589E-05	8.44607E-05	0.000127059	**6022**	0.000102114
8.89082E-05	9.39193E-05	2.5485E-05	7.38458E-05	0.000115394	8.53172E-05	9.00091E-05	2.53902E-05	7.38458E-05	0.000122898	**6023**	8.86555E-05
7.89935E-05	8.35441E-05	2.13982E-05	6.69315E-05	0.000113506	7.66568E-05	8.09573E-05	2.17288E-05	6.69315E-05	0.00012084	**6024**	7.86452E-05
6.96768E-05	7.37956E-05	1.75462E-05	6.03588E-05	0.000114411	6.8485E-05	7.24169E-05	1.82652E-05	6.03588E-05	0.000121857	**6025**	6.92287E-05
6.63847E-05	7.03604E-05	1.60657E-05	5.86424E-05	0.000117126	6.59068E-05	6.9733E-05	1.70366E-05	5.86424E-05	0.000124883	**6026**	6.59252E-05
6.57739E-05	6.97317E-05	1.5682E-05	5.88622E-05	0.000125369	6.57036E-05	6.95323E-05	1.68017E-05	5.88622E-05	0.000134055	**6027**	6.53326E-05
6.88003E-05	7.29386E-05	1.64237E-05	6.26922E-05	0.000136751	6.92552E-05	7.32871E-05	1.77568E-05	6.26922E-05	0.000146686	**6028**	6.84116E-05
7.57204E-05	8.02585E-05	1.82824E-05	6.90883E-05	0.000151099	7.6227E-05	8.06534E-05	1.96895E-05	6.90883E-05	0.000162577	**6029**	7.52799E-05
8.23295E-05	8.7231E-05	2.02917E-05	7.46148E-05	0.000159016	8.25664E-05	8.7336E-05	2.16466E-05	7.46148E-05	0.000171514	**6030**	8.1848E-05
8.36084E-05	8.8485E-05	2.18867E-05	7.67518E-05	0.000212227	8.4083E-05	8.8864E-05	2.30175E-05	7.67518E-05	0.000218159	**6031**	8.31589E-05
8.12607E-05	8.59176E-05	2.232E-05	7.66093E-05	0.000216476	8.24887E-05	8.71159E-05	2.33882E-05	7.66093E-05	0.000222958	**6032**	8.09186E-05
8.18954E-05	8.6573E-05	2.26928E-05	7.68987E-05	0.000218831	8.29501E-05	8.75892E-05	2.36961E-05	7.68987E-05	0.000225491	**6033**	8.15748E-05
8.60865E-05	9.10015E-05	2.38791E-05	8.03373E-05	0.000219115	8.69551E-05	9.18177E-05	2.48477E-05	8.03373E-05	0.000225762	**6034**	8.57109E-05
8.93797E-05	9.44814E-05	2.48088E-05	8.29992E-05	0.000220316	9.00835E-05	9.51209E-05	2.57437E-05	8.29992E-05	0.000227082	**6035**	8.89564E-05
9.01493E-05	9.53195E-05	2.47125E-05	8.34913E-05	0.000214589	9.08108E-05	9.59123E-05	2.56517E-05	8.34913E-05	0.00022277	**6036**	8.96206E-05
9.3235E-05	9.85988E-05	2.5347E-05	8.63735E-05	0.000212376	9.39696E-05	9.92641E-05	2.63453E-05	8.63735E-05	0.000220313	**6037**	9.26348E-05
9.7265E-05	0.000102893	2.60347E-05	9.08696E-05	0.000206786	9.84679E-05	0.000104044	2.72483E-05	9.08696E-05	0.000214131	**6038**	9.66009E-05
0.000102973	0.000108959	2.72069E-05	9.6412E-05	0.000202815	0.000104411	0.00011035	2.85654E-05	9.6412E-05	0.000207696	**6039**	0.000102195
0.000111327	0.000117824	2.90976E-05	0.000103457	0.00019138	0.000112572	0.000119	3.04703E-05	0.000103457	0.000195024	**6040**	0.000110332
0.000118746	0.00012567	3.11186E-05	0.000110978	0.000183338	0.000120356	0.000127221	3.2679E-05	0.000110978	0.000186142	**6041**	0.000117764
0.000122388	0.00012943	3.32612E-05	0.000113018	0.000177443	0.000123182	0.000130125	3.4512E-05	0.000113018	0.00017966	**6042**	0.000121564
0.000126207	0.000133327	3.60937E-05	0.000112328	0.000160013	0.000124697	0.000131604	3.64819E-05	0.000112328	0.000164454	**6043**	0.000125446
0.000121474	0.000128209	3.62293E-05	0.000106535	0.000143829	0.000118998	0.000125482	3.61765E-05	0.000106535	0.000150439	**6044**	0.000120989
0.000113898	0.000120209	3.40201E-05	9.67303E-05	0.000129717	0.000110063	0.000116042	3.36974E-05	9.67303E-05	0.000136862	**6045**	0.000113543
0.00010242	0.000108146	2.99433E-05	8.44607E-05	0.000119177	9.78893E-05	0.000103237	2.9589E-05	8.44607E-05	0.000127059	**6046**	0.000102114
8.89082E-05	9.39193E-05	2.5485E-05	7.38458E-05	0.000115394	8.53172E-05	9.00091E-05	2.53902E-05	7.38458E-05	0.000122898	**6047**	8.86555E-05
7.89935E-05	8.35441E-05	2.13982E-05	6.69315E-05	0.000113506	7.66568E-05	8.09573E-05	2.17288E-05	6.69315E-05	0.00012084	**6048**	7.86452E-05
6.96768E-05	7.37956E-05	1.75462E-05	6.03588E-05	0.000114411	6.8485E-05	7.24169E-05	1.82652E-05	6.03588E-05	0.000121857	**6049**	6.92287E-05
6.63847E-05	7.03604E-05	1.60657E-05	5.86424E-05	0.000117126	6.59068E-05	6.9733E-05	1.70366E-05	5.86424E-05	0.000124883	**6050**	6.59252E-05
6.57739E-05	6.97317E-05	1.5682E-05	5.88622E-05	0.000125369	6.57036E-05	6.95323E-05	1.68017E-05	5.88622E-05	0.000134055	**6051**	6.53326E-05
6.88003E-05	7.29386E-05	1.64237E-05	6.26922E-05	0.000136751	6.92552E-05	7.32871E-05	1.77568E-05	6.26922E-05	0.000146686	**6052**	6.84116E-05
7.57204E-05	8.02585E-05	1.82824E-05	6.90883E-05	0.000151099	7.6227E-05	8.06534E-05	1.96895E-05	6.90883E-05	0.000162577	**6053**	7.52799E-05
8.23295E-05	8.7231E-05	2.02917E-05	7.46148E-05	0.000159016	8.25664E-05	8.7336E-05	2.16466E-05	7.46148E-05	0.000171514	**6054**	8.1848E-05
8.36084E-05	8.8485E-05	2.18867E-05	7.67518E-05	0.000212227	8.4083E-05	8.8864E-05	2.30175E-05	7.67518E-05	0.000218159	**6055**	8.31589E-05
8.12607E-05	8.59176E-05	2.232E-05	7.66093E-05	0.000216476	8.24887E-05	8.71159E-05	2.33882E-05	7.66093E-05	0.000222958	**6056**	8.09186E-05
8.18954E-05	8.6573E-05	2.26928E-05	7.68987E-05	0.000218831	8.29501E-05	8.75892E-05	2.36961E-05	7.68987E-05	0.000225491	**6057**	8.15748E-05
8.60865E-05	9.10015E-05	2.38791E-05	8.03373E-05	0.000219115	8.69551E-05	9.18177E-05	2.48477E-05	8.03373E-05	0.000225762	**6058**	8.57109E-05
8.93797E-05	9.44814E-05	2.48088E-05	8.29992E-05	0.000220316	9.00835E-05	9.51209E-05	2.57437E-05	8.29992E-05	0.000227082	**6059**	8.89564E-05
9.01493E-05	9.53195E-05	2.47125E-05	8.34913E-05	0.000214589	9.08108E-05	9.59123E-05	2.56517E-05	8.34913E-05	0.00022277	**6060**	8.96206E-05
9.3235E-05	9.85988E-05	2.5347E-05	8.63735E-05	0.000212376	9.39696E-05	9.92641E-05	2.63453E-05	8.63735E-05	0.000220313	**6061**	9.26348E-05
9.7265E-05	0.000102893	2.60347E-05	9.08696E-05	0.000206786	9.84679E-05	0.000104044	2.72483E-05	9.08696E-05	0.000214131	**6062**	9.66009E-05
0.000102973	0.000108959	2.72069E-05	9.6412E-05	0.000202815	0.000104411	0.00011035	2.85654E-05	9.6412E-05	0.000207696	**6063**	0.000102195
0.000111327	0.000117824	2.90976E-05	0.000103457	0.00019138	0.000112572	0.000119	3.04703E-05	0.000103457	0.000195024	**6064**	0.000110332
0.000118746	0.00012567	3.11186E-05	0.000110978	0.000183338	0.000120356	0.000127221	3.2679E-05	0.000110978	0.000186142	**6065**	0.000117764
0.000122388	0.00012943	3.32612E-05	0.000113018	0.000177443	0.000123182	0.000130125	3.4512E-05	0.000113018	0.00017966	**6066**	0.000121564
0.000126207	0.000133327	3.60937E-05	0.000112328	0.000160013	0.000124697	0.000131604	3.64819E-05	0.000112328	0.000164454	**6067**	0.000125446
0.000121474	0.000128209	3.62293E-05	0.000106535	0.000143829	0.000118998	0.000125482	3.61765E-05	0.000106535	0.000150439	**6068**	0.000120989
0.000113898	0.000120209	3.40201E-05	9.67303E-05	0.000129717	0.000110063	0.000116042	3.36974E-05	9.67303E-05	0.000136862	**6069**	0.000113543
0.00010242	0.000108146	2.99433E-05	8.44607E-05	0.000119177	9.78893E-05	0.000103237	2.9589E-05	8.44607E-05	0.000127059	**6070**	0.000102114
8.89082E-05	9.39193E-05	2.5485E-05	7.38458E-05	0.000115394	8.53172E-05	9.00091E-05	2.53902E-05	7.38458E-05	0.000122898	**6071**	8.86555E-05

7.89935E-05	8.35441E-05	2.13982E-05	6.69315E-05	0.000113506	7.66568E-05	8.09573E-05	2.17288E-05	6.69315E-05	0.00012084	**6072**	7.86452E-05
7.09416E-05	7.51388E-05	1.78192E-05	6.15295E-05	0.000113697	6.97724E-05	7.3782E-05	1.85593E-05	6.15295E-05	0.000121042	**6073**	7.04666E-05
6.61975E-05	7.0162E-05	1.60199E-05	5.84413E-05	0.000117851	6.5704E-05	6.95185E-05	1.69836E-05	5.84413E-05	0.000125695	**6074**	6.5738E-05
6.56414E-05	6.95907E-05	1.56572E-05	5.87592E-05	0.000126059	6.55774E-05	6.93981E-05	1.67776E-05	5.87592E-05	0.000134827	**6075**	6.52057E-05
6.88232E-05	7.29623E-05	1.64355E-05	6.27484E-05	0.000137696	6.92938E-05	7.33275E-05	1.7774E-05	6.27484E-05	0.000147739	**6076**	6.8439E-05
7.59852E-05	8.05386E-05	1.83547E-05	6.94114E-05	0.000152483	7.65307E-05	8.09741E-05	1.97776E-05	6.94114E-05	0.000164115	**6077**	7.55501E-05
8.23671E-05	8.72696E-05	2.03182E-05	7.4745E-05	0.000160916	8.26465E-05	8.74192E-05	2.16877E-05	7.4745E-05	0.000173625	**6078**	8.18984E-05
8.48023E-05	8.97722E-05	2.18998E-05	7.66906E-05	0.000214425	8.47872E-05	8.96224E-05	2.30282E-05	7.66906E-05	0.000220595	**6079**	8.43667E-05
8.05859E-05	8.52016E-05	2.21665E-05	7.59444E-05	0.000219252	8.17842E-05	8.63696E-05	2.32176E-05	7.59444E-05	0.00022603	**6080**	8.02525E-05
8.11648E-05	8.57975E-05	2.25304E-05	7.61981E-05	0.000221888	8.21958E-05	8.67898E-05	2.35179E-05	7.61981E-05	0.000228867	**6081**	8.08563E-05
8.6072E-05	9.0986E-05	2.3878E-05	8.03344E-05	0.000222111	8.69449E-05	9.18067E-05	2.48479E-05	8.03344E-05	0.000229064	**6082**	8.56982E-05
9.03051E-05	9.54635E-05	2.50175E-05	8.3902E-05	0.000223402	9.10457E-05	9.61403E-05	2.59746E-05	8.3902E-05	0.000230474	**6083**	8.98688E-05
9.16282E-05	9.68882E-05	2.50552E-05	8.49816E-05	0.000217758	9.23693E-05	9.75626E-05	2.60368E-05	8.49816E-05	0.000226256	**6084**	9.10853E-05
9.52075E-05	0.000100692	2.57963E-05	8.83213E-05	0.000215198	9.60307E-05	0.000101447	2.68454E-05	8.83213E-05	0.000223412	**6085**	9.45826E-05
9.97636E-05	0.000105546	2.65772E-05	9.31983E-05	0.000209936	0.000101018	0.000106748	2.78346E-05	9.31983E-05	0.000217592	**6086**	9.90487E-05
0.000106021	0.000112196	2.78667E-05	9.92426E-05	0.000205778	0.000107518	0.000113644	2.92772E-05	9.92426E-05	0.000210949	**6087**	0.00010518
0.000115466	0.000122221	2.99718E-05	0.000107188	0.000194405	0.000116741	0.000123422	3.13987E-05	0.000107188	0.000198347	**6088**	0.000114369
0.00012332	0.000130522	3.21719E-05	0.000115554	0.000186502	0.000125161	0.00013231	3.38586E-05	0.000115554	0.000189623	**6089**	0.000122289
0.00012631	0.000133589	3.41837E-05	0.000117042	0.000180696	0.000127347	0.000134533	3.55576E-05	0.000117042	0.000183252	**6090**	0.000125459
0.000129595	0.000136921	3.68613E-05	0.000115652	0.000163287	0.000128228	0.000135344	3.73336E-05	0.000115652	0.000168069	**6091**	0.000128788
0.000124273	0.000131181	3.68362E-05	0.00010914	0.000146972	0.000121852	0.000128509	3.68321E-05	0.00010914	0.000153908	**6092**	0.00012373
0.000114799	0.000121147	3.44579E-05	9.87236E-05	0.000132189	0.000111488	0.000117541	3.41714E-05	9.87236E-05	0.000139586	**6093**	0.000114385
0.000104091	0.000109922	3.02951E-05	8.5961E-05	0.000121007	9.95699E-05	0.00010502	2.99618E-05	8.5961E-05	0.000129069	**6094**	0.000103743
9.0308E-05	9.54043E-05	2.58059E-05	7.52384E-05	0.000117042	8.67844E-05	9.15631E-05	2.57486E-05	7.52384E-05	0.000124707	**6095**	9.00392E-05
8.00037E-05	8.46157E-05	2.16304E-05	6.79399E-05	0.000114687	7.77171E-05	8.20802E-05	2.19886E-05	6.79399E-05	0.000122136	**6096**	7.96443E-05
7.09416E-05	7.51388E-05	1.78192E-05	6.15295E-05	0.000113697	6.97724E-05	7.3782E-05	1.85593E-05	6.15295E-05	0.000121042	**6097**	7.04666E-05
6.61975E-05	7.0162E-05	1.60199E-05	5.84413E-05	0.000117851	6.5704E-05	6.95185E-05	1.69836E-05	5.84413E-05	0.000125695	**6098**	6.5738E-05
6.56414E-05	6.95907E-05	1.56572E-05	5.87592E-05	0.000126059	6.55774E-05	6.93981E-05	1.67776E-05	5.87592E-05	0.000134827	**6099**	6.52057E-05
6.88232E-05	7.29623E-05	1.64355E-05	6.27484E-05	0.000137696	6.92938E-05	7.33275E-05	1.7774E-05	6.27484E-05	0.000147739	**6100**	6.8439E-05
7.59852E-05	8.05386E-05	1.83547E-05	6.94114E-05	0.000152483	7.65307E-05	8.09741E-05	1.97776E-05	6.94114E-05	0.000164115	**6101**	7.55501E-05
8.23671E-05	8.72696E-05	2.03182E-05	7.4745E-05	0.000160916	8.26465E-05	8.74192E-05	2.16877E-05	7.4745E-05	0.000173625	**6102**	8.18984E-05
8.48023E-05	8.97722E-05	2.18998E-05	7.66906E-05	0.000214425	8.47872E-05	8.96224E-05	2.30282E-05	7.66906E-05	0.000220595	**6103**	8.43667E-05
8.05859E-05	8.52016E-05	2.21665E-05	7.59444E-05	0.000219252	8.17842E-05	8.63696E-05	2.32176E-05	7.59444E-05	0.00022603	**6104**	8.02525E-05
8.11648E-05	8.57975E-05	2.25304E-05	7.61981E-05	0.000221888	8.21958E-05	8.67898E-05	2.35179E-05	7.61981E-05	0.000228867	**6105**	8.08563E-05
8.6072E-05	9.0986E-05	2.3878E-05	8.03344E-05	0.000222111	8.69449E-05	9.18067E-05	2.48479E-05	8.03344E-05	0.000229064	**6106**	8.56982E-05
9.03051E-05	9.54635E-05	2.50175E-05	8.3902E-05	0.000223402	9.10457E-05	9.61403E-05	2.59746E-05	8.3902E-05	0.000230474	**6107**	8.98688E-05
9.16282E-05	9.68882E-05	2.50552E-05	8.49816E-05	0.000217758	9.23693E-05	9.75626E-05	2.60368E-05	8.49816E-05	0.000226256	**6108**	9.10853E-05
9.52075E-05	0.000100692	2.57963E-05	8.83213E-05	0.000215198	9.60307E-05	0.000101447	2.68454E-05	8.83213E-05	0.000223412	**6109**	9.45826E-05
9.97636E-05	0.000105546	2.65772E-05	9.31983E-05	0.000209936	0.000101018	0.000106748	2.78346E-05	9.31983E-05	0.000217592	**6110**	9.90487E-05
0.000106021	0.000112196	2.78667E-05	9.92426E-05	0.000205778	0.000107518	0.000113644	2.92772E-05	9.92426E-05	0.000210949	**6111**	0.00010518
0.000115466	0.000122221	2.99718E-05	0.000107188	0.000194405	0.000116741	0.000123422	3.13987E-05	0.000107188	0.000198347	**6112**	0.000114369
0.00012332	0.000130522	3.21719E-05	0.000115554	0.000186502	0.000125161	0.00013231	3.38586E-05	0.000115554	0.000189623	**6113**	0.000122289
0.00012631	0.000133589	3.41837E-05	0.000117042	0.000180696	0.000127347	0.000134533	3.55576E-05	0.000117042	0.000183252	**6114**	0.000125459
0.000129595	0.000136921	3.68613E-05	0.000115652	0.000163287	0.000128228	0.000135344	3.73336E-05	0.000115652	0.000168069	**6115**	0.000128788
0.000124273	0.000131181	3.68362E-05	0.00010914	0.000146972	0.000121852	0.000128509	3.68321E-05	0.00010914	0.000153908	**6116**	0.00012373
0.000114799	0.000121147	3.44579E-05	9.87236E-05	0.000132189	0.000111488	0.000117541	3.41714E-05	9.87236E-05	0.000139586	**6117**	0.000114385
0.000104091	0.000109922	3.02951E-05	8.5961E-05	0.000121007	9.95699E-05	0.00010502	2.99618E-05	8.5961E-05	0.000129069	**6118**	0.000103743
9.0308E-05	9.54043E-05	2.58059E-05	7.52384E-05	0.000117042	8.67844E-05	9.15631E-05	2.57486E-05	7.52384E-05	0.000124707	**6119**	9.00392E-05
8.00037E-05	8.46157E-05	2.16304E-05	6.79399E-05	0.000114687	7.77171E-05	8.20802E-05	2.19886E-05	6.79399E-05	0.000122136	**6120**	7.96443E-05
6.96768E-05	7.37956E-05	1.75462E-05	6.03588E-05	0.000114411	6.8485E-05	7.24169E-05	1.82652E-05	6.03588E-05	0.000121857	**6121**	6.92287E-05
6.63847E-05	7.03604E-05	1.60657E-05	5.86424E-05	0.000117126	6.59068E-05	6.9733E-05	1.70366E-05	5.86424E-05	0.000124883	**6122**	6.59252E-05
6.57739E-05	6.97317E-05	1.5682E-05	5.88622E-05	0.000125369	6.57036E-05	6.95323E-05	1.68017E-05	5.88622E-05	0.000134055	**6123**	6.53326E-05
6.88003E-05	7.29386E-05	1.64237E-05	6.26922E-05	0.000136751	6.92552E-05	7.32871E-05	1.77568E-05	6.26922E-05	0.000146686	**6124**	6.84116E-05
7.57204E-05	8.02585E-05	1.82824E-05	6.90883E-05	0.000151099	7.6227E-05	8.06534E-05	1.96895E-05	6.90883E-05	0.000162577	**6125**	7.52799E-05
8.23295E-05	8.7231E-05	2.02917E-05	7.46148E-05	0.000159016	8.25664E-05	8.7336E-05	2.16466E-05	7.46148E-05	0.000171514	**6126**	8.1848E-05
8.36084E-05	8.8485E-05	2.18867E-05	7.67518E-05	0.000212227	8.4083E-05	8.8864E-05	2.30175E-05	7.67518E-05	0.000218159	**6127**	8.31589E-05
8.12607E-05	8.59176E-05	2.232E-05	7.66093E-05	0.000216476	8.24887E-05	8.71159E-05	2.33882E-05	7.66093E-05	0.000222958	**6128**	8.09186E-05
8.18954E-05	8.6573E-05	2.26928E-05	7.68987E-05	0.000218831	8.29501E-05	8.75892E-05	2.36961E-05	7.68987E-05	0.000225491	**6129**	8.15748E-05
8.60865E-05	9.10015E-05	2.38791E-05	8.03373E-05	0.000219115	8.69551E-05	9.18177E-05	2.48477E-05	8.03373E-05	0.000225762	**6130**	8.57109E-05
8.93797E-05	9.44814E-05	2.48088E-05	8.29992E-05	0.000220316	9.00835E-05	9.51209E-05	2.57437E-05	8.29992E-05	0.000227082	**6131**	8.89564E-05
9.01493E-05	9.53195E-05	2.47125E-05	8.34913E-05	0.000214589	9.08108E-05	9.59123E-05	2.56517E-05	8.34913E-05	0.00022277	**6132**	8.96206E-05
9.3235E-05	9.85988E-05	2.5347E-05	8.63735E-05	0.000212376	9.39696E-05	9.92641E-05	2.63453E-05	8.63735E-05	0.000220313	**6133**	9.26348E-05
9.7265E-05	0.000102893	2.60347E-05	9.08696E-05	0.000206786	9.84679E-05	0.000104044	2.72483E-05	9.08696E-05	0.000214131	**6134**	9.66009E-05
0.000102973	0.000108959	2.72069E-05	9.6412E-05	0.000202815	0.000104411	0.00011035	2.85654E-05	9.6412E-05	0.000207696	**6135**	0.000102195
0.000111327	0.000117824	2.90976E-05	0.000103457	0.00019138	0.000112572	0.000119	3.04703E-05	0.000103457	0.000195024	**6136**	0.000110332
0.000118746	0.00012567	3.11186E-05	0.000110978	0.000183338	0.000120356	0.000127221	3.2679E-05	0.000110978	0.000186142	**6137**	0.000117764
0.000122388	0.00012943	3.32612E-05	0.000113018	0.000177443	0.000123182	0.000130125	3.4512E-05	0.000113018	0.00017966	**6138**	0.000121564
0.000126207	0.000133327	3.60937E-05	0.000112328	0.000160013	0.000124697	0.000131604	3.64819E-05	0.000112328	0.000164454	**6139**	0.000125446
0.000121474	0.000128209	3.62293E-05	0.000106535	0.000143829	0.000118998	0.000125482	3.61765E-05	0.000106535	0.000150439	**6140**	0.000120989
0.000113898	0.000120209	3.40201E-05	9.67303E-05	0.000129717	0.000110063	0.000116042	3.36974E-05	9.67303E-05	0.000136862	**6141**	0.000113543
0.00010242	0.000108146	2.99433E-05	8.44607E-05	0.000119177	9.78893E-05	0.000103237	2.9589E-05	8.44607E-05	0.000127059	**6142**	0.000102114
8.89082E-05	9.39193E-05	2.5485E-05	7.38458E-05	0.000115394	8.53172E-05	9.00091E-05	2.53902E-05	7.38458E-05	0.000122898	**6143**	8.86555E-05
7.89935E-05	8.35441E-05	2.13982E-05	6.69315E-05	0.000113506	7.66568E-05	8.09573E-05	2.17288E-05	6.69315E-05	0.00012084	**6144**	7.86452E-05
6.96768E-05	7.37956E-05	1.75462E-05	6.03588E-05	0.000114411	6.8485E-05	7.24169E-05	1.82652E-05	6.03588E-05	0.000121857	**6145**	6.92287E-05
6.63847E-05	7.03604E-05	1.60657E-05	5.86424E-05	0.000117126	6.59068E-05	6.9733E-05	1.70366E-05	5.86424E-05	0.000124883	**6146**	6.59252E-05
6.57739E-05	6.97317E-05	1.5682E-05	5.88622E-05	0.000125369	6.57036E-05	6.95323E-05	1.68017E-05	5.88622E-05	0.000134055	**6147**	6.53326E-05

6.88003E-05	7.29386E-05	1.64237E-05	6.26922E-05	0.000136751	6.92552E-05	7.32871E-05	1.77568E-05	6.26922E-05	0.000146686	**6148**	6.84116E-05
7.57204E-05	8.02585E-05	1.82824E-05	6.90883E-05	0.000151099	7.6227E-05	8.06534E-05	1.96895E-05	6.90883E-05	0.000162577	**6149**	7.52799E-05
8.23295E-05	8.7231E-05	2.02917E-05	7.46148E-05	0.000159016	8.25664E-05	8.7336E-05	2.16466E-05	7.46148E-05	0.000171514	**6150**	8.1848E-05
8.36084E-05	8.8485E-05	2.18867E-05	7.67518E-05	0.000212227	8.4083E-05	8.8864E-05	2.30175E-05	7.67518E-05	0.000218159	**6151**	8.31589E-05
8.12607E-05	8.59176E-05	2.232E-05	7.66093E-05	0.000216476	8.24887E-05	8.71159E-05	2.33882E-05	7.66093E-05	0.000222958	**6152**	8.09186E-05
8.18954E-05	8.6573E-05	2.26928E-05	7.68987E-05	0.000218831	8.29501E-05	8.75892E-05	2.36961E-05	7.68987E-05	0.000225491	**6153**	8.15748E-05
8.60865E-05	9.10015E-05	2.38791E-05	8.03373E-05	0.000219115	8.69551E-05	9.18177E-05	2.48477E-05	8.03373E-05	0.000225762	**6154**	8.57109E-05
8.93797E-05	9.44814E-05	2.48088E-05	8.29992E-05	0.000220316	9.00835E-05	9.51209E-05	2.57437E-05	8.29992E-05	0.000227082	**6155**	8.89564E-05
9.01493E-05	9.53195E-05	2.47125E-05	8.34913E-05	0.000214589	9.08108E-05	9.59123E-05	2.56517E-05	8.34913E-05	0.00022277	**6156**	8.96206E-05
9.3235E-05	9.85988E-05	2.5347E-05	8.63735E-05	0.000212376	9.39696E-05	9.92641E-05	2.63453E-05	8.63735E-05	0.000220313	**6157**	9.26348E-05
9.7265E-05	0.000102893	2.60347E-05	9.08696E-05	0.000206786	9.84679E-05	0.000104044	2.72483E-05	9.08696E-05	0.000214131	**6158**	9.66009E-05
0.000102973	0.000108959	2.72069E-05	9.6412E-05	0.000202815	0.000104411	0.00011035	2.85654E-05	9.6412E-05	0.000207696	**6159**	0.000102195
0.000111327	0.000117824	2.90976E-05	0.000103457	0.00019138	0.000112572	0.000119	3.04703E-05	0.000103457	0.000195024	**6160**	0.000110332
0.000118746	0.00012567	3.11186E-05	0.000110978	0.000183338	0.000120356	0.000127221	3.2679E-05	0.000110978	0.000186142	**6161**	0.000117764
0.000122388	0.00012943	3.32612E-05	0.000113018	0.000177443	0.000123182	0.000130125	3.4512E-05	0.000113018	0.00017966	**6162**	0.000121564
0.000126207	0.000133327	3.60937E-05	0.000112328	0.000160013	0.000124697	0.000131604	3.64819E-05	0.000112328	0.000164454	**6163**	0.000125446
0.000121474	0.000128209	3.62293E-05	0.000106535	0.000143829	0.000118998	0.000125482	3.61765E-05	0.000106535	0.000150439	**6164**	0.000120989
0.000113898	0.000120209	3.40201E-05	9.67303E-05	0.000129717	0.000110063	0.000116042	3.36974E-05	9.67303E-05	0.000136862	**6165**	0.000113543
0.00010242	0.000108146	2.99433E-05	8.44607E-05	0.000119177	9.78893E-05	0.000103237	2.9589E-05	8.44607E-05	0.000127059	**6166**	0.000102114
8.89082E-05	9.39193E-05	2.5485E-05	7.38458E-05	0.000115394	8.53172E-05	9.00091E-05	2.53902E-05	7.38458E-05	0.000122898	**6167**	8.86555E-05
7.89935E-05	8.35441E-05	2.13982E-05	6.69315E-05	0.000113506	7.66568E-05	8.09573E-05	2.17288E-05	6.69315E-05	0.00012084	**6168**	7.86452E-05
6.96768E-05	7.37956E-05	1.75462E-05	6.03588E-05	0.000114411	6.8485E-05	7.24169E-05	1.82652E-05	6.03588E-05	0.000121857	**6169**	6.92287E-05
6.63847E-05	7.03604E-05	1.60657E-05	5.86424E-05	0.000117126	6.59068E-05	6.9733E-05	1.70366E-05	5.86424E-05	0.000124883	**6170**	6.59252E-05
6.57739E-05	6.97317E-05	1.5682E-05	5.88622E-05	0.000125369	6.57036E-05	6.95323E-05	1.68017E-05	5.88622E-05	0.000134055	**6171**	6.53326E-05
6.88003E-05	7.29386E-05	1.64237E-05	6.26922E-05	0.000136751	6.92552E-05	7.32871E-05	1.77568E-05	6.26922E-05	0.000146686	**6172**	6.84116E-05
7.57204E-05	8.02585E-05	1.82824E-05	6.90883E-05	0.000151099	7.6227E-05	8.06534E-05	1.96895E-05	6.90883E-05	0.000162577	**6173**	7.52799E-05
8.23295E-05	8.7231E-05	2.02917E-05	7.46148E-05	0.000159016	8.25664E-05	8.7336E-05	2.16466E-05	7.46148E-05	0.000171514	**6174**	8.1848E-05
8.36084E-05	8.8485E-05	2.18867E-05	7.67518E-05	0.000212227	8.4083E-05	8.8864E-05	2.30175E-05	7.67518E-05	0.000218159	**6175**	8.31589E-05
8.12607E-05	8.59176E-05	2.232E-05	7.66093E-05	0.000216476	8.24887E-05	8.71159E-05	2.33882E-05	7.66093E-05	0.000222958	**6176**	8.09186E-05
8.18954E-05	8.6573E-05	2.26928E-05	7.68987E-05	0.000218831	8.29501E-05	8.75892E-05	2.36961E-05	7.68987E-05	0.000225491	**6177**	8.15748E-05
8.60865E-05	9.10015E-05	2.38791E-05	8.03373E-05	0.000219115	8.69551E-05	9.18177E-05	2.48477E-05	8.03373E-05	0.000225762	**6178**	8.57109E-05
8.93797E-05	9.44814E-05	2.48088E-05	8.29992E-05	0.000220316	9.00835E-05	9.51209E-05	2.57437E-05	8.29992E-05	0.000227082	**6179**	8.89564E-05
9.01493E-05	9.53195E-05	2.47125E-05	8.34913E-05	0.000214589	9.08108E-05	9.59123E-05	2.56517E-05	8.34913E-05	0.00022277	**6180**	8.96206E-05
9.3235E-05	9.85988E-05	2.5347E-05	8.63735E-05	0.000212376	9.39696E-05	9.92641E-05	2.63453E-05	8.63735E-05	0.000220313	**6181**	9.26348E-05
9.7265E-05	0.000102893	2.60347E-05	9.08696E-05	0.000206786	9.84679E-05	0.000104044	2.72483E-05	9.08696E-05	0.000214131	**6182**	9.66009E-05
0.000102973	0.000108959	2.72069E-05	9.6412E-05	0.000202815	0.000104411	0.00011035	2.85654E-05	9.6412E-05	0.000207696	**6183**	0.000102195
0.000111327	0.000117824	2.90976E-05	0.000103457	0.00019138	0.000112572	0.000119	3.04703E-05	0.000103457	0.000195024	**6184**	0.000110332
0.000118746	0.00012567	3.11186E-05	0.000110978	0.000183338	0.000120356	0.000127221	3.2679E-05	0.000110978	0.000186142	**6185**	0.000117764
0.000122388	0.00012943	3.32612E-05	0.000113018	0.000177443	0.000123182	0.000130125	3.4512E-05	0.000113018	0.00017966	**6186**	0.000121564
0.000126207	0.000133327	3.60937E-05	0.000112328	0.000160013	0.000124697	0.000131604	3.64819E-05	0.000112328	0.000164454	**6187**	0.000125446
0.000121474	0.000128209	3.62293E-05	0.000106535	0.000143829	0.000118998	0.000125482	3.61765E-05	0.000106535	0.000150439	**6188**	0.000120989
0.000113898	0.000120209	3.40201E-05	9.67303E-05	0.000129717	0.000110063	0.000116042	3.36974E-05	9.67303E-05	0.000136862	**6189**	0.000113543
0.00010242	0.000108146	2.99433E-05	8.44607E-05	0.000119177	9.78893E-05	0.000103237	2.9589E-05	8.44607E-05	0.000127059	**6190**	0.000102114
8.89082E-05	9.39193E-05	2.5485E-05	7.38458E-05	0.000115394	8.53172E-05	9.00091E-05	2.53902E-05	7.38458E-05	0.000122898	**6191**	8.86555E-05
7.89935E-05	8.35441E-05	2.13982E-05	6.69315E-05	0.000113506	7.66568E-05	8.09573E-05	2.17288E-05	6.69315E-05	0.00012084	**6192**	7.86452E-05
6.96768E-05	7.37956E-05	1.75462E-05	6.03588E-05	0.000114411	6.8485E-05	7.24169E-05	1.82652E-05	6.03588E-05	0.000121857	**6193**	6.92287E-05
6.63847E-05	7.03604E-05	1.60657E-05	5.86424E-05	0.000117126	6.59068E-05	6.9733E-05	1.70366E-05	5.86424E-05	0.000124883	**6194**	6.59252E-05
6.57739E-05	6.97317E-05	1.5682E-05	5.88622E-05	0.000125369	6.57036E-05	6.95323E-05	1.68017E-05	5.88622E-05	0.000134055	**6195**	6.53326E-05
6.88003E-05	7.29386E-05	1.64237E-05	6.26922E-05	0.000136751	6.92552E-05	7.32871E-05	1.77568E-05	6.26922E-05	0.000146686	**6196**	6.84116E-05
7.57204E-05	8.02585E-05	1.82824E-05	6.90883E-05	0.000151099	7.6227E-05	8.06534E-05	1.96895E-05	6.90883E-05	0.000162577	**6197**	7.52799E-05
8.23295E-05	8.7231E-05	2.02917E-05	7.46148E-05	0.000159016	8.25664E-05	8.7336E-05	2.16466E-05	7.46148E-05	0.000171514	**6198**	8.1848E-05
8.36084E-05	8.8485E-05	2.18867E-05	7.67518E-05	0.000212227	8.4083E-05	8.8864E-05	2.30175E-05	7.67518E-05	0.000218159	**6199**	8.31589E-05
8.12607E-05	8.59176E-05	2.232E-05	7.66093E-05	0.000216476	8.24887E-05	8.71159E-05	2.33882E-05	7.66093E-05	0.000222958	**6200**	8.09186E-05
8.18954E-05	8.6573E-05	2.26928E-05	7.68987E-05	0.000218831	8.29501E-05	8.75892E-05	2.36961E-05	7.68987E-05	0.000225491	**6201**	8.15748E-05
8.60865E-05	9.10015E-05	2.38791E-05	8.03373E-05	0.000219115	8.69551E-05	9.18177E-05	2.48477E-05	8.03373E-05	0.000225762	**6202**	8.57109E-05
8.93797E-05	9.44814E-05	2.48088E-05	8.29992E-05	0.000220316	9.00835E-05	9.51209E-05	2.57437E-05	8.29992E-05	0.000227082	**6203**	8.89564E-05
9.01493E-05	9.53195E-05	2.47125E-05	8.34913E-05	0.000214589	9.08108E-05	9.59123E-05	2.56517E-05	8.34913E-05	0.00022277	**6204**	8.96206E-05
9.3235E-05	9.85988E-05	2.5347E-05	8.63735E-05	0.000212376	9.39696E-05	9.92641E-05	2.63453E-05	8.63735E-05	0.000220313	**6205**	9.26348E-05
9.7265E-05	0.000102893	2.60347E-05	9.08696E-05	0.000206786	9.84679E-05	0.000104044	2.72483E-05	9.08696E-05	0.000214131	**6206**	9.66009E-05
0.000102973	0.000108959	2.72069E-05	9.6412E-05	0.000202815	0.000104411	0.00011035	2.85654E-05	9.6412E-05	0.000207696	**6207**	0.000102195
0.000111327	0.000117824	2.90976E-05	0.000103457	0.00019138	0.000112572	0.000119	3.04703E-05	0.000103457	0.000195024	**6208**	0.000110332
0.000118746	0.00012567	3.11186E-05	0.000110978	0.000183338	0.000120356	0.000127221	3.2679E-05	0.000110978	0.000186142	**6209**	0.000117764
0.000122388	0.00012943	3.32612E-05	0.000113018	0.000177443	0.000123182	0.000130125	3.4512E-05	0.000113018	0.00017966	**6210**	0.000121564
0.000126207	0.000133327	3.60937E-05	0.000112328	0.000160013	0.000124697	0.000131604	3.64819E-05	0.000112328	0.000164454	**6211**	0.000125446
0.000121474	0.000128209	3.62293E-05	0.000106535	0.000143829	0.000118998	0.000125482	3.61765E-05	0.000106535	0.000150439	**6212**	0.000120989
0.000113898	0.000120209	3.40201E-05	9.67303E-05	0.000129717	0.000110063	0.000116042	3.36974E-05	9.67303E-05	0.000136862	**6213**	0.000113543
0.00010242	0.000108146	2.99433E-05	8.44607E-05	0.000119177	9.78893E-05	0.000103237	2.9589E-05	8.44607E-05	0.000127059	**6214**	0.000102114
8.89082E-05	9.39193E-05	2.5485E-05	7.38458E-05	0.000115394	8.53172E-05	9.00091E-05	2.53902E-05	7.38458E-05	0.000122898	**6215**	8.86555E-05
7.89935E-05	8.35441E-05	2.13982E-05	6.69315E-05	0.000113506	7.66568E-05	8.09573E-05	2.17288E-05	6.69315E-05	0.00012084	**6216**	7.86452E-05
6.96768E-05	7.37956E-05	1.75462E-05	6.03588E-05	0.000114411	6.8485E-05	7.24169E-05	1.82652E-05	6.03588E-05	0.000121857	**6217**	6.92287E-05
6.63847E-05	7.03604E-05	1.60657E-05	5.86424E-05	0.000117126	6.59068E-05	6.9733E-05	1.70366E-05	5.86424E-05	0.000124883	**6218**	6.59252E-05
6.57739E-05	6.97317E-05	1.5682E-05	5.88622E-05	0.000125369	6.57036E-05	6.95323E-05	1.68017E-05	5.88622E-05	0.000134055	**6219**	6.53326E-05
6.88003E-05	7.29386E-05	1.64237E-05	6.26922E-05	0.000136751	6.92552E-05	7.32871E-05	1.77568E-05	6.26922E-05	0.000146686	**6220**	6.84116E-05
7.57204E-05	8.02585E-05	1.82824E-05	6.90883E-05	0.000151099	7.6227E-05	8.06534E-05	1.96895E-05	6.90883E-05	0.000162577	**6221**	7.52799E-05
8.23295E-05	8.7231E-05	2.02917E-05	7.46148E-05	0.000159016	8.25664E-05	8.7336E-05	2.16466E-05	7.46148E-05	0.000171514	**6222**	8.1848E-05
8.36084E-05	8.8485E-05	2.18867E-05	7.67518E-05	0.000212227	8.4083E-05	8.8864E-05	2.30175E-05	7.67518E-05	0.000218159	**6223**	8.31589E-05

8.12607E-05	8.59176E-05	2.232E-05	7.66093E-05	0.000216476	8.24887E-05	8.71159E-05	2.33882E-05	7.66093E-05	0.000222958	**6224**	8.09186E-05
8.18954E-05	8.6573E-05	2.26928E-05	7.68987E-05	0.000218831	8.29501E-05	8.75892E-05	2.36961E-05	7.68987E-05	0.000225491	**6225**	8.15748E-05
8.60865E-05	9.10015E-05	2.38791E-05	8.03373E-05	0.000219115	8.69551E-05	9.18177E-05	2.48477E-05	8.03373E-05	0.000225762	**6226**	8.57109E-05
8.93797E-05	9.44814E-05	2.48088E-05	8.29992E-05	0.000220316	9.00835E-05	9.51209E-05	2.57437E-05	8.29992E-05	0.000227082	**6227**	8.89564E-05
9.01493E-05	9.53195E-05	2.47125E-05	8.34913E-05	0.000214589	9.08108E-05	9.59123E-05	2.56517E-05	8.34913E-05	0.00022277	**6228**	8.96206E-05
9.3235E-05	9.85988E-05	2.5347E-05	8.63735E-05	0.000212376	9.39696E-05	9.92641E-05	2.63453E-05	8.63735E-05	0.000220313	**6229**	9.26348E-05
9.7265E-05	0.000102893	2.60347E-05	9.08696E-05	0.000206786	9.84679E-05	0.000104044	2.72483E-05	9.08696E-05	0.000214131	**6230**	9.66009E-05
0.000102973	0.000108959	2.72069E-05	9.6412E-05	0.000202815	0.000104411	0.00011035	2.85654E-05	9.6412E-05	0.000207696	**6231**	0.000102195
0.000111327	0.000117824	2.90976E-05	0.000103457	0.00019138	0.000112572	0.000119	3.04703E-05	0.000103457	0.000195024	**6232**	0.000110332
0.000118746	0.00012567	3.11186E-05	0.000110978	0.000183338	0.000120356	0.000127221	3.2679E-05	0.000110978	0.000186142	**6233**	0.000117764
0.000122388	0.00012943	3.32612E-05	0.000113018	0.000177443	0.000123182	0.000130125	3.4512E-05	0.000113018	0.00017966	**6234**	0.000121564
0.000126207	0.000133327	3.60937E-05	0.000112328	0.000160013	0.000124697	0.000131604	3.64819E-05	0.000112328	0.000164454	**6235**	0.000125446
0.000121474	0.000128209	3.62293E-05	0.000106535	0.000143829	0.000118998	0.000125482	3.61765E-05	0.000106535	0.000150439	**6236**	0.000120989
0.000113898	0.000120209	3.40201E-05	9.67303E-05	0.000129717	0.000110063	0.000116042	3.36974E-05	9.67303E-05	0.000136862	**6237**	0.000113543
0.00010242	0.000108146	2.99433E-05	8.44607E-05	0.000119177	9.78893E-05	0.000103237	2.9589E-05	8.44607E-05	0.000127059	**6238**	0.000102114
8.89082E-05	9.39193E-05	2.5485E-05	7.38458E-05	0.000115394	8.53172E-05	9.00091E-05	2.53902E-05	7.38458E-05	0.000122898	**6239**	8.86555E-05
7.89935E-05	8.35441E-05	2.13982E-05	6.69315E-05	0.000113506	7.66568E-05	8.09573E-05	2.17288E-05	6.69315E-05	0.00012084	**6240**	7.86452E-05
7.09416E-05	7.51388E-05	1.78192E-05	6.15295E-05	0.000113697	6.97724E-05	7.3782E-05	1.85593E-05	6.15295E-05	0.000121042	**6241**	7.04666E-05
6.61975E-05	7.0162E-05	1.60199E-05	5.84413E-05	0.000117851	6.5704E-05	6.95185E-05	1.69836E-05	5.84413E-05	0.000125695	**6242**	6.5738E-05
6.56414E-05	6.95907E-05	1.56572E-05	5.87592E-05	0.000126059	6.55774E-05	6.93981E-05	1.67776E-05	5.87592E-05	0.000134827	**6243**	6.52057E-05
6.88232E-05	7.29623E-05	1.64355E-05	6.27484E-05	0.000137696	6.92938E-05	7.33275E-05	1.7774E-05	6.27484E-05	0.000147739	**6244**	6.8439E-05
7.59852E-05	8.05386E-05	1.83547E-05	6.94114E-05	0.000152483	7.65307E-05	8.09741E-05	1.97776E-05	6.94114E-05	0.000164115	**6245**	7.55501E-05
8.23671E-05	8.72696E-05	2.03182E-05	7.4745E-05	0.000160916	8.26465E-05	8.74192E-05	2.16877E-05	7.4745E-05	0.000173625	**6246**	8.18984E-05
8.48023E-05	8.97722E-05	2.18998E-05	7.66906E-05	0.000214425	8.47872E-05	8.96224E-05	2.30282E-05	7.66906E-05	0.000220595	**6247**	8.43667E-05
8.05859E-05	8.52016E-05	2.21665E-05	7.59444E-05	0.000219252	8.17842E-05	8.63696E-05	2.32176E-05	7.59444E-05	0.00022603	**6248**	8.02525E-05
8.11648E-05	8.57975E-05	2.25304E-05	7.61981E-05	0.000221888	8.21958E-05	8.67898E-05	2.35179E-05	7.61981E-05	0.000228867	**6249**	8.08563E-05
8.6072E-05	9.0986E-05	2.3878E-05	8.03344E-05	0.000222111	8.69449E-05	9.18067E-05	2.48479E-05	8.03344E-05	0.000229064	**6250**	8.56982E-05
9.03051E-05	9.54635E-05	2.50175E-05	8.3902E-05	0.000223402	9.10457E-05	9.61403E-05	2.59746E-05	8.3902E-05	0.000230474	**6251**	8.98688E-05
9.16282E-05	9.68882E-05	2.50552E-05	8.49816E-05	0.000217758	9.23693E-05	9.75626E-05	2.60368E-05	8.49816E-05	0.000226256	**6252**	9.10853E-05
9.52075E-05	0.000100692	2.57963E-05	8.83213E-05	0.000215198	9.60307E-05	0.000101447	2.68454E-05	8.83213E-05	0.000223412	**6253**	9.45826E-05
9.97636E-05	0.000105546	2.65772E-05	9.31983E-05	0.000209936	0.000101018	0.000106748	2.78346E-05	9.31983E-05	0.000217592	**6254**	9.90487E-05
0.000106021	0.000112196	2.78667E-05	9.92426E-05	0.000205778	0.000107518	0.000113644	2.92772E-05	9.92426E-05	0.000210949	**6255**	0.00010518
0.000115466	0.000122221	2.99718E-05	0.000107188	0.000194405	0.000116741	0.000123422	3.13987E-05	0.000107188	0.000198347	**6256**	0.000114369
0.00012332	0.000130522	3.21719E-05	0.000115554	0.000186502	0.000125161	0.00013231	3.38586E-05	0.000115554	0.000189623	**6257**	0.000122289
0.00012631	0.000133589	3.41837E-05	0.000117042	0.000180696	0.000127347	0.000134533	3.55576E-05	0.000117042	0.000183252	**6258**	0.000125459
0.000129595	0.000136921	3.68613E-05	0.000115652	0.000163287	0.000128228	0.000135344	3.73336E-05	0.000115652	0.000168069	**6259**	0.000128788
0.000124273	0.000131181	3.68362E-05	0.00010914	0.000146972	0.000121852	0.000128509	3.68321E-05	0.00010914	0.000153908	**6260**	0.00012373
0.000114799	0.000121147	3.44579E-05	9.87236E-05	0.000132189	0.000111488	0.000117541	3.41714E-05	9.87236E-05	0.000139586	**6261**	0.000114385
0.000104091	0.000109922	3.02951E-05	8.5961E-05	0.000121007	9.95699E-05	0.00010502	2.99618E-05	8.5961E-05	0.000129069	**6262**	0.000103743
9.0308E-05	9.54043E-05	2.58059E-05	7.52384E-05	0.000117042	8.67844E-05	9.15631E-05	2.57486E-05	7.52384E-05	0.000124707	**6263**	9.00392E-05
8.00037E-05	8.46157E-05	2.16304E-05	6.79399E-05	0.000114687	7.77171E-05	8.20802E-05	2.19886E-05	6.79399E-05	0.000122136	**6264**	7.96443E-05
7.09416E-05	7.51388E-05	1.78192E-05	6.15295E-05	0.000113697	6.97724E-05	7.3782E-05	1.85593E-05	6.15295E-05	0.000121042	**6265**	7.04666E-05
6.61975E-05	7.0162E-05	1.60199E-05	5.84413E-05	0.000117851	6.5704E-05	6.95185E-05	1.69836E-05	5.84413E-05	0.000125695	**6266**	6.5738E-05
6.56414E-05	6.95907E-05	1.56572E-05	5.87592E-05	0.000126059	6.55774E-05	6.93981E-05	1.67776E-05	5.87592E-05	0.000134827	**6267**	6.52057E-05
6.88232E-05	7.29623E-05	1.64355E-05	6.27484E-05	0.000137696	6.92938E-05	7.33275E-05	1.7774E-05	6.27484E-05	0.000147739	**6268**	6.8439E-05
7.59852E-05	8.05386E-05	1.83547E-05	6.94114E-05	0.000152483	7.65307E-05	8.09741E-05	1.97776E-05	6.94114E-05	0.000164115	**6269**	7.55501E-05
8.23671E-05	8.72696E-05	2.03182E-05	7.4745E-05	0.000160916	8.26465E-05	8.74192E-05	2.16877E-05	7.4745E-05	0.000173625	**6270**	8.18984E-05
8.48023E-05	8.97722E-05	2.18998E-05	7.66906E-05	0.000214425	8.47872E-05	8.96224E-05	2.30282E-05	7.66906E-05	0.000220595	**6271**	8.43667E-05
8.05859E-05	8.52016E-05	2.21665E-05	7.59444E-05	0.000219252	8.17842E-05	8.63696E-05	2.32176E-05	7.59444E-05	0.00022603	**6272**	8.02525E-05
8.11648E-05	8.57975E-05	2.25304E-05	7.61981E-05	0.000221888	8.21958E-05	8.67898E-05	2.35179E-05	7.61981E-05	0.000228867	**6273**	8.08563E-05
8.6072E-05	9.0986E-05	2.3878E-05	8.03344E-05	0.000222111	8.69449E-05	9.18067E-05	2.48479E-05	8.03344E-05	0.000229064	**6274**	8.56982E-05
9.03051E-05	9.54635E-05	2.50175E-05	8.3902E-05	0.000223402	9.10457E-05	9.61403E-05	2.59746E-05	8.3902E-05	0.000230474	**6275**	8.98688E-05
9.16282E-05	9.68882E-05	2.50552E-05	8.49816E-05	0.000217758	9.23693E-05	9.75626E-05	2.60368E-05	8.49816E-05	0.000226256	**6276**	9.10853E-05
9.52075E-05	0.000100692	2.57963E-05	8.83213E-05	0.000215198	9.60307E-05	0.000101447	2.68454E-05	8.83213E-05	0.000223412	**6277**	9.45826E-05
9.97636E-05	0.000105546	2.65772E-05	9.31983E-05	0.000209936	0.000101018	0.000106748	2.78346E-05	9.31983E-05	0.000217592	**6278**	9.90487E-05
0.000106021	0.000112196	2.78667E-05	9.92426E-05	0.000205778	0.000107518	0.000113644	2.92772E-05	9.92426E-05	0.000210949	**6279**	0.00010518
0.000115466	0.000122221	2.99718E-05	0.000107188	0.000194405	0.000116741	0.000123422	3.13987E-05	0.000107188	0.000198347	**6280**	0.000114369
0.00012332	0.000130522	3.21719E-05	0.000115554	0.000186502	0.000125161	0.00013231	3.38586E-05	0.000115554	0.000189623	**6281**	0.000122289
0.00012631	0.000133589	3.41837E-05	0.000117042	0.000180696	0.000127347	0.000134533	3.55576E-05	0.000117042	0.000183252	**6282**	0.000125459
0.000129595	0.000136921	3.68613E-05	0.000115652	0.000163287	0.000128228	0.000135344	3.73336E-05	0.000115652	0.000168069	**6283**	0.000128788
0.000124273	0.000131181	3.68362E-05	0.00010914	0.000146972	0.000121852	0.000128509	3.68321E-05	0.00010914	0.000153908	**6284**	0.00012373
0.000114799	0.000121147	3.44579E-05	9.87236E-05	0.000132189	0.000111488	0.000117541	3.41714E-05	9.87236E-05	0.000139586	**6285**	0.000114385
0.000104091	0.000109922	3.02951E-05	8.5961E-05	0.000121007	9.95699E-05	0.00010502	2.99618E-05	8.5961E-05	0.000129069	**6286**	0.000103743
9.0308E-05	9.54043E-05	2.58059E-05	7.52384E-05	0.000117042	8.67844E-05	9.15631E-05	2.57486E-05	7.52384E-05	0.000124707	**6287**	9.00392E-05
8.00037E-05	8.46157E-05	2.16304E-05	6.79399E-05	0.000114687	7.77171E-05	8.20802E-05	2.19886E-05	6.79399E-05	0.000122136	**6288**	7.96443E-05
6.96768E-05	7.37956E-05	1.75462E-05	6.03588E-05	0.000114411	6.8485E-05	7.24169E-05	1.82652E-05	6.03588E-05	0.000121857	**6289**	6.92287E-05
6.63847E-05	7.03604E-05	1.60657E-05	5.86424E-05	0.000117126	6.59068E-05	6.9733E-05	1.70366E-05	5.86424E-05	0.000124883	**6290**	6.59252E-05
6.57739E-05	6.97317E-05	1.5682E-05	5.88622E-05	0.000125369	6.57036E-05	6.95323E-05	1.68017E-05	5.88622E-05	0.000134055	**6291**	6.53326E-05
6.88003E-05	7.29386E-05	1.64237E-05	6.26922E-05	0.000136751	6.92552E-05	7.32871E-05	1.77568E-05	6.26922E-05	0.000146686	**6292**	6.84116E-05
7.57204E-05	8.02585E-05	1.82824E-05	6.90883E-05	0.000151099	7.6227E-05	8.06534E-05	1.96895E-05	6.90883E-05	0.000162577	**6293**	7.52799E-05
8.23295E-05	8.7231E-05	2.02917E-05	7.46148E-05	0.000159016	8.25664E-05	8.7336E-05	2.16466E-05	7.46148E-05	0.000171514	**6294**	8.1848E-05
8.36084E-05	8.8485E-05	2.18867E-05	7.67518E-05	0.000212227	8.4083E-05	8.8864E-05	2.30175E-05	7.67518E-05	0.000218159	**6295**	8.31589E-05
8.12607E-05	8.59176E-05	2.232E-05	7.66093E-05	0.000216476	8.24887E-05	8.71159E-05	2.33882E-05	7.66093E-05	0.000222958	**6296**	8.09186E-05
8.18954E-05	8.6573E-05	2.26928E-05	7.68987E-05	0.000218831	8.29501E-05	8.75892E-05	2.36961E-05	7.68987E-05	0.000225491	**6297**	8.15748E-05
8.60865E-05	9.10015E-05	2.38791E-05	8.03373E-05	0.000219115	8.69551E-05	9.18177E-05	2.48477E-05	8.03373E-05	0.000225762	**6298**	8.57109E-05
8.93797E-05	9.44814E-05	2.48088E-05	8.29992E-05	0.000220316	9.00835E-05	9.51209E-05	2.57437E-05	8.29992E-05	0.000227082	**6299**	8.89564E-05

9.01493E-05	9.53195E-05	2.47125E-05	8.34913E-05	0.000214589	9.08108E-05	9.59123E-05	2.56517E-05	8.34913E-05	0.00022277	**6300**	8.96206E-05
9.3235E-05	9.85988E-05	2.5347E-05	8.63735E-05	0.000212376	9.39696E-05	9.92641E-05	2.63453E-05	8.63735E-05	0.000220313	**6301**	9.26348E-05
9.7265E-05	0.000102893	2.60347E-05	9.08696E-05	0.000206786	9.84679E-05	0.000104044	2.72483E-05	9.08696E-05	0.000214131	**6302**	9.66009E-05
0.000102973	0.000108959	2.72069E-05	9.6412E-05	0.000202815	0.000104411	0.00011035	2.85654E-05	9.6412E-05	0.000207696	**6303**	0.000102195
0.000111327	0.000117824	2.90976E-05	0.000103457	0.00019138	0.000112572	0.000119	3.04703E-05	0.000103457	0.000195024	**6304**	0.000110332
0.000118746	0.00012567	3.11186E-05	0.000110978	0.000183338	0.000120356	0.000127221	3.2679E-05	0.000110978	0.000186142	**6305**	0.000117764
0.000122388	0.00012943	3.32612E-05	0.000113018	0.000177443	0.000123182	0.000130125	3.4512E-05	0.000113018	0.00017966	**6306**	0.000121564
0.000126207	0.000133327	3.60937E-05	0.000112328	0.000160013	0.000124697	0.000131604	3.64819E-05	0.000112328	0.000164454	**6307**	0.000125446
0.000121474	0.000128209	3.62293E-05	0.000106535	0.000143829	0.000118998	0.000125482	3.61765E-05	0.000106535	0.000150439	**6308**	0.000120989
0.000113898	0.000120209	3.40201E-05	9.67303E-05	0.000129717	0.000110063	0.000116042	3.36974E-05	9.67303E-05	0.000136862	**6309**	0.000113543
0.00010242	0.000108146	2.99433E-05	8.44607E-05	0.000119177	9.78893E-05	0.000103237	2.9589E-05	8.44607E-05	0.000127059	**6310**	0.000102114
8.89082E-05	9.39193E-05	2.5485E-05	7.38458E-05	0.000115394	8.53172E-05	9.00091E-05	2.53902E-05	7.38458E-05	0.000122898	**6311**	8.86555E-05
7.89935E-05	8.35441E-05	2.13982E-05	6.69315E-05	0.000113506	7.66568E-05	8.09573E-05	2.17288E-05	6.69315E-05	0.00012084	**6312**	7.86452E-05
6.96768E-05	7.37956E-05	1.75462E-05	6.03588E-05	0.000114411	6.8485E-05	7.24169E-05	1.82652E-05	6.03588E-05	0.000121857	**6313**	6.92287E-05
6.63847E-05	7.03604E-05	1.60657E-05	5.86424E-05	0.000117126	6.59068E-05	6.9733E-05	1.70366E-05	5.86424E-05	0.000124883	**6314**	6.59252E-05
6.57739E-05	6.97317E-05	1.5682E-05	5.88622E-05	0.000125369	6.57036E-05	6.95323E-05	1.68017E-05	5.88622E-05	0.000134055	**6315**	6.53326E-05
6.88003E-05	7.29386E-05	1.64237E-05	6.26922E-05	0.000136751	6.92552E-05	7.32871E-05	1.77568E-05	6.26922E-05	0.000146686	**6316**	6.84116E-05
7.57204E-05	8.02585E-05	1.82824E-05	6.90883E-05	0.000151099	7.6227E-05	8.06534E-05	1.96895E-05	6.90883E-05	0.000162577	**6317**	7.52799E-05
8.23295E-05	8.7231E-05	2.02917E-05	7.46148E-05	0.000159016	8.25664E-05	8.7336E-05	2.16466E-05	7.46148E-05	0.000171514	**6318**	8.1848E-05
8.36084E-05	8.8485E-05	2.18867E-05	7.67518E-05	0.000212227	8.4083E-05	8.8864E-05	2.30175E-05	7.67518E-05	0.000218159	**6319**	8.31589E-05
8.12607E-05	8.59176E-05	2.232E-05	7.66093E-05	0.000216476	8.24887E-05	8.71159E-05	2.33882E-05	7.66093E-05	0.000222958	**6320**	8.09186E-05
8.18954E-05	8.6573E-05	2.26928E-05	7.68987E-05	0.000218831	8.29501E-05	8.75892E-05	2.36961E-05	7.68987E-05	0.000225491	**6321**	8.15748E-05
8.60865E-05	9.10015E-05	2.38791E-05	8.03373E-05	0.000219115	8.69551E-05	9.18177E-05	2.48477E-05	8.03373E-05	0.000225762	**6322**	8.57109E-05
8.93797E-05	9.44814E-05	2.48088E-05	8.29992E-05	0.000220316	9.00835E-05	9.51209E-05	2.57437E-05	8.29992E-05	0.000227082	**6323**	8.89564E-05
9.01493E-05	9.53195E-05	2.47125E-05	8.34913E-05	0.000214589	9.08108E-05	9.59123E-05	2.56517E-05	8.34913E-05	0.00022277	**6324**	8.96206E-05
9.3235E-05	9.85988E-05	2.5347E-05	8.63735E-05	0.000212376	9.39696E-05	9.92641E-05	2.63453E-05	8.63735E-05	0.000220313	**6325**	9.26348E-05
9.7265E-05	0.000102893	2.60347E-05	9.08696E-05	0.000206786	9.84679E-05	0.000104044	2.72483E-05	9.08696E-05	0.000214131	**6326**	9.66009E-05
0.000102973	0.000108959	2.72069E-05	9.6412E-05	0.000202815	0.000104411	0.00011035	2.85654E-05	9.6412E-05	0.000207696	**6327**	0.000102195
0.000111327	0.000117824	2.90976E-05	0.000103457	0.00019138	0.000112572	0.000119	3.04703E-05	0.000103457	0.000195024	**6328**	0.000110332
0.000118746	0.00012567	3.11186E-05	0.000110978	0.000183338	0.000120356	0.000127221	3.2679E-05	0.000110978	0.000186142	**6329**	0.000117764
0.000122388	0.00012943	3.32612E-05	0.000113018	0.000177443	0.000123182	0.000130125	3.4512E-05	0.000113018	0.00017966	**6330**	0.000121564
0.000126207	0.000133327	3.60937E-05	0.000112328	0.000160013	0.000124697	0.000131604	3.64819E-05	0.000112328	0.000164454	**6331**	0.000125446
0.000121474	0.000128209	3.62293E-05	0.000106535	0.000143829	0.000118998	0.000125482	3.61765E-05	0.000106535	0.000150439	**6332**	0.000120989
0.000113898	0.000120209	3.40201E-05	9.67303E-05	0.000129717	0.000110063	0.000116042	3.36974E-05	9.67303E-05	0.000136862	**6333**	0.000113543
0.00010242	0.000108146	2.99433E-05	8.44607E-05	0.000119177	9.78893E-05	0.000103237	2.9589E-05	8.44607E-05	0.000127059	**6334**	0.000102114
8.89082E-05	9.39193E-05	2.5485E-05	7.38458E-05	0.000115394	8.53172E-05	9.00091E-05	2.53902E-05	7.38458E-05	0.000122898	**6335**	8.86555E-05
7.89935E-05	8.35441E-05	2.13982E-05	6.69315E-05	0.000113506	7.66568E-05	8.09573E-05	2.17288E-05	6.69315E-05	0.00012084	**6336**	7.86452E-05
6.96768E-05	7.37956E-05	1.75462E-05	6.03588E-05	0.000114411	6.8485E-05	7.24169E-05	1.82652E-05	6.03588E-05	0.000121857	**6337**	6.92287E-05
6.63847E-05	7.03604E-05	1.60657E-05	5.86424E-05	0.000117126	6.59068E-05	6.9733E-05	1.70366E-05	5.86424E-05	0.000124883	**6338**	6.59252E-05
6.57739E-05	6.97317E-05	1.5682E-05	5.88622E-05	0.000125369	6.57036E-05	6.95323E-05	1.68017E-05	5.88622E-05	0.000134055	**6339**	6.53326E-05
6.88003E-05	7.29386E-05	1.64237E-05	6.26922E-05	0.000136751	6.92552E-05	7.32871E-05	1.77568E-05	6.26922E-05	0.000146686	**6340**	6.84116E-05
7.57204E-05	8.02585E-05	1.82824E-05	6.90883E-05	0.000151099	7.6227E-05	8.06534E-05	1.96895E-05	6.90883E-05	0.000162577	**6341**	7.52799E-05
8.23295E-05	8.7231E-05	2.02917E-05	7.46148E-05	0.000159016	8.25664E-05	8.7336E-05	2.16466E-05	7.46148E-05	0.000171514	**6342**	8.1848E-05
8.36084E-05	8.8485E-05	2.18867E-05	7.67518E-05	0.000212227	8.4083E-05	8.8864E-05	2.30175E-05	7.67518E-05	0.000218159	**6343**	8.31589E-05
8.12607E-05	8.59176E-05	2.232E-05	7.66093E-05	0.000216476	8.24887E-05	8.71159E-05	2.33882E-05	7.66093E-05	0.000222958	**6344**	8.09186E-05
8.18954E-05	8.6573E-05	2.26928E-05	7.68987E-05	0.000218831	8.29501E-05	8.75892E-05	2.36961E-05	7.68987E-05	0.000225491	**6345**	8.15748E-05
8.60865E-05	9.10015E-05	2.38791E-05	8.03373E-05	0.000219115	8.69551E-05	9.18177E-05	2.48477E-05	8.03373E-05	0.000225762	**6346**	8.57109E-05
8.93797E-05	9.44814E-05	2.48088E-05	8.29992E-05	0.000220316	9.00835E-05	9.51209E-05	2.57437E-05	8.29992E-05	0.000227082	**6347**	8.89564E-05
9.01493E-05	9.53195E-05	2.47125E-05	8.34913E-05	0.000214589	9.08108E-05	9.59123E-05	2.56517E-05	8.34913E-05	0.00022277	**6348**	8.96206E-05
9.3235E-05	9.85988E-05	2.5347E-05	8.63735E-05	0.000212376	9.39696E-05	9.92641E-05	2.63453E-05	8.63735E-05	0.000220313	**6349**	9.26348E-05
9.7265E-05	0.000102893	2.60347E-05	9.08696E-05	0.000206786	9.84679E-05	0.000104044	2.72483E-05	9.08696E-05	0.000214131	**6350**	9.66009E-05
0.000102973	0.000108959	2.72069E-05	9.6412E-05	0.000202815	0.000104411	0.00011035	2.85654E-05	9.6412E-05	0.000207696	**6351**	0.000102195
0.000111327	0.000117824	2.90976E-05	0.000103457	0.00019138	0.000112572	0.000119	3.04703E-05	0.000103457	0.000195024	**6352**	0.000110332
0.000118746	0.00012567	3.11186E-05	0.000110978	0.000183338	0.000120356	0.000127221	3.2679E-05	0.000110978	0.000186142	**6353**	0.000117764
0.000122388	0.00012943	3.32612E-05	0.000113018	0.000177443	0.000123182	0.000130125	3.4512E-05	0.000113018	0.00017966	**6354**	0.000121564
0.000126207	0.000133327	3.60937E-05	0.000112328	0.000160013	0.000124697	0.000131604	3.64819E-05	0.000112328	0.000164454	**6355**	0.000125446
0.000121474	0.000128209	3.62293E-05	0.000106535	0.000143829	0.000118998	0.000125482	3.61765E-05	0.000106535	0.000150439	**6356**	0.000120989
0.000113898	0.000120209	3.40201E-05	9.67303E-05	0.000129717	0.000110063	0.000116042	3.36974E-05	9.67303E-05	0.000136862	**6357**	0.000113543
0.00010242	0.000108146	2.99433E-05	8.44607E-05	0.000119177	9.78893E-05	0.000103237	2.9589E-05	8.44607E-05	0.000127059	**6358**	0.000102114
8.89082E-05	9.39193E-05	2.5485E-05	7.38458E-05	0.000115394	8.53172E-05	9.00091E-05	2.53902E-05	7.38458E-05	0.000122898	**6359**	8.86555E-05
7.89935E-05	8.35441E-05	2.13982E-05	6.69315E-05	0.000113506	7.66568E-05	8.09573E-05	2.17288E-05	6.69315E-05	0.00012084	**6360**	7.86452E-05
6.96768E-05	7.37956E-05	1.75462E-05	6.03588E-05	0.000114411	6.8485E-05	7.24169E-05	1.82652E-05	6.03588E-05	0.000121857	**6361**	6.92287E-05
6.63847E-05	7.03604E-05	1.60657E-05	5.86424E-05	0.000117126	6.59068E-05	6.9733E-05	1.70366E-05	5.86424E-05	0.000124883	**6362**	6.59252E-05
6.57739E-05	6.97317E-05	1.5682E-05	5.88622E-05	0.000125369	6.57036E-05	6.95323E-05	1.68017E-05	5.88622E-05	0.000134055	**6363**	6.53326E-05
6.88003E-05	7.29386E-05	1.64237E-05	6.26922E-05	0.000136751	6.92552E-05	7.32871E-05	1.77568E-05	6.26922E-05	0.000146686	**6364**	6.84116E-05
7.57204E-05	8.02585E-05	1.82824E-05	6.90883E-05	0.000151099	7.6227E-05	8.06534E-05	1.96895E-05	6.90883E-05	0.000162577	**6365**	7.52799E-05
8.23295E-05	8.7231E-05	2.02917E-05	7.46148E-05	0.000159016	8.25664E-05	8.7336E-05	2.16466E-05	7.46148E-05	0.000171514	**6366**	8.1848E-05
8.36084E-05	8.8485E-05	2.18867E-05	7.67518E-05	0.000212227	8.4083E-05	8.8864E-05	2.30175E-05	7.67518E-05	0.000218159	**6367**	8.31589E-05
8.12607E-05	8.59176E-05	2.232E-05	7.66093E-05	0.000216476	8.24887E-05	8.71159E-05	2.33882E-05	7.66093E-05	0.000222958	**6368**	8.09186E-05
8.18954E-05	8.6573E-05	2.26928E-05	7.68987E-05	0.000218831	8.29501E-05	8.75892E-05	2.36961E-05	7.68987E-05	0.000225491	**6369**	8.15748E-05
8.60865E-05	9.10015E-05	2.38791E-05	8.03373E-05	0.000219115	8.69551E-05	9.18177E-05	2.48477E-05	8.03373E-05	0.000225762	**6370**	8.57109E-05
8.93797E-05	9.44814E-05	2.48088E-05	8.29992E-05	0.000220316	9.00835E-05	9.51209E-05	2.57437E-05	8.29992E-05	0.000227082	**6371**	8.89564E-05
9.01493E-05	9.53195E-05	2.47125E-05	8.34913E-05	0.000214589	9.08108E-05	9.59123E-05	2.56517E-05	8.34913E-05	0.00022277	**6372**	8.96206E-05
9.3235E-05	9.85988E-05	2.5347E-05	8.63735E-05	0.000212376	9.39696E-05	9.92641E-05	2.63453E-05	8.63735E-05	0.000220313	**6373**	9.26348E-05
9.7265E-05	0.000102893	2.60347E-05	9.08696E-05	0.000206786	9.84679E-05	0.000104044	2.72483E-05	9.08696E-05	0.000214131	**6374**	9.66009E-05
0.000102973	0.000108959	2.72069E-05	9.6412E-05	0.000202815	0.000104411	0.00011035	2.85654E-05	9.6412E-05	0.000207696	**6375**	0.000102195

0.000111327	0.000117824	2.90976E-05	0.000103457	0.00019138	0.000112572	0.000119	3.04703E-05	0.000103457	0.000195024	**6376**	0.000110332
0.000118746	0.00012567	3.11186E-05	0.000110978	0.000183338	0.000120356	0.000127221	3.2679E-05	0.000110978	0.000186142	**6377**	0.000117764
0.000122388	0.00012943	3.32612E-05	0.000113018	0.000177443	0.000123182	0.000130125	3.4512E-05	0.000113018	0.00017966	**6378**	0.000121564
0.000126207	0.000133327	3.60937E-05	0.000112328	0.000160013	0.000124697	0.000131604	3.64819E-05	0.000112328	0.000164454	**6379**	0.000125446
0.000121474	0.000128209	3.62293E-05	0.000106535	0.000143829	0.000118998	0.000125482	3.61765E-05	0.000106535	0.000150439	**6380**	0.000120989
0.000113898	0.000120209	3.40201E-05	9.67303E-05	0.000129717	0.000110063	0.000116042	3.36974E-05	9.67303E-05	0.000136862	**6381**	0.000113543
0.00010242	0.000108146	2.99433E-05	8.44607E-05	0.000119177	9.78893E-05	0.000103237	2.9589E-05	8.44607E-05	0.000127059	**6382**	0.000102114
8.89082E-05	9.39193E-05	2.5485E-05	7.38458E-05	0.000115394	8.53172E-05	9.00091E-05	2.53902E-05	7.38458E-05	0.000122898	**6383**	8.86555E-05
7.89935E-05	8.35441E-05	2.13982E-05	6.69315E-05	0.000113506	7.66568E-05	8.09573E-05	2.17288E-05	6.69315E-05	0.00012084	**6384**	7.86452E-05
6.96768E-05	7.37956E-05	1.75462E-05	6.03588E-05	0.000114411	6.8485E-05	7.24169E-05	1.82652E-05	6.03588E-05	0.000121857	**6385**	6.92287E-05
6.63847E-05	7.03604E-05	1.60657E-05	5.86424E-05	0.000117126	6.59068E-05	6.9733E-05	1.70366E-05	5.86424E-05	0.000124883	**6386**	6.59252E-05
6.57739E-05	6.97317E-05	1.5682E-05	5.88622E-05	0.000125369	6.57036E-05	6.95323E-05	1.68017E-05	5.88622E-05	0.000134055	**6387**	6.53326E-05
6.88003E-05	7.29386E-05	1.64237E-05	6.26922E-05	0.000136751	6.92552E-05	7.32871E-05	1.77568E-05	6.26922E-05	0.000146686	**6388**	6.84116E-05
7.57204E-05	8.02585E-05	1.82824E-05	6.90883E-05	0.000151099	7.6227E-05	8.06534E-05	1.96895E-05	6.90883E-05	0.000162577	**6389**	7.52799E-05
8.23295E-05	8.7231E-05	2.02917E-05	7.46148E-05	0.000159016	8.25664E-05	8.7336E-05	2.16466E-05	7.46148E-05	0.000171514	**6390**	8.1848E-05
8.36084E-05	8.8485E-05	2.18867E-05	7.67518E-05	0.000212227	8.4083E-05	8.8864E-05	2.30175E-05	7.67518E-05	0.000218159	**6391**	8.31589E-05
8.12607E-05	8.59176E-05	2.232E-05	7.66093E-05	0.000216476	8.24887E-05	8.71159E-05	2.33882E-05	7.66093E-05	0.000222958	**6392**	8.09186E-05
8.18954E-05	8.6573E-05	2.26928E-05	7.68987E-05	0.000218831	8.29501E-05	8.75892E-05	2.36961E-05	7.68987E-05	0.000225491	**6393**	8.15748E-05
8.60865E-05	9.10015E-05	2.38791E-05	8.03373E-05	0.000219115	8.69551E-05	9.18177E-05	2.48477E-05	8.03373E-05	0.000225762	**6394**	8.57109E-05
8.93797E-05	9.44814E-05	2.48088E-05	8.29992E-05	0.000220316	9.00835E-05	9.51209E-05	2.57437E-05	8.29992E-05	0.000227082	**6395**	8.89564E-05
9.01493E-05	9.53195E-05	2.47125E-05	8.34913E-05	0.000214589	9.08108E-05	9.59123E-05	2.56517E-05	8.34913E-05	0.00022277	**6396**	8.96206E-05
9.3235E-05	9.85988E-05	2.5347E-05	8.63735E-05	0.000212376	9.39696E-05	9.92641E-05	2.63453E-05	8.63735E-05	0.000220313	**6397**	9.26348E-05
9.7265E-05	0.000102893	2.60347E-05	9.08696E-05	0.000206786	9.84679E-05	0.000104044	2.72483E-05	9.08696E-05	0.000214131	**6398**	9.66009E-05
0.000102973	0.000108959	2.72069E-05	9.6412E-05	0.000202815	0.000104411	0.00011035	2.85654E-05	9.6412E-05	0.000207696	**6399**	0.000102195
0.000111327	0.000117824	2.90976E-05	0.000103457	0.00019138	0.000112572	0.000119	3.04703E-05	0.000103457	0.000195024	**6400**	0.000110332
0.000118746	0.00012567	3.11186E-05	0.000110978	0.000183338	0.000120356	0.000127221	3.2679E-05	0.000110978	0.000186142	**6401**	0.000117764
0.000122388	0.00012943	3.32612E-05	0.000113018	0.000177443	0.000123182	0.000130125	3.4512E-05	0.000113018	0.00017966	**6402**	0.000121564
0.000126207	0.000133327	3.60937E-05	0.000112328	0.000160013	0.000124697	0.000131604	3.64819E-05	0.000112328	0.000164454	**6403**	0.000125446
0.000121474	0.000128209	3.62293E-05	0.000106535	0.000143829	0.000118998	0.000125482	3.61765E-05	0.000106535	0.000150439	**6404**	0.000120989
0.000113898	0.000120209	3.40201E-05	9.67303E-05	0.000129717	0.000110063	0.000116042	3.36974E-05	9.67303E-05	0.000136862	**6405**	0.000113543
0.00010242	0.000108146	2.99433E-05	8.44607E-05	0.000119177	9.78893E-05	0.000103237	2.9589E-05	8.44607E-05	0.000127059	**6406**	0.000102114
8.89082E-05	9.39193E-05	2.5485E-05	7.38458E-05	0.000115394	8.53172E-05	9.00091E-05	2.53902E-05	7.38458E-05	0.000122898	**6407**	8.86555E-05
7.89935E-05	8.35441E-05	2.13982E-05	6.69315E-05	0.000113506	7.66568E-05	8.09573E-05	2.17288E-05	6.69315E-05	0.00012084	**6408**	7.86452E-05
7.09416E-05	7.51388E-05	1.78192E-05	6.15295E-05	0.000113697	6.97724E-05	7.3782E-05	1.85593E-05	6.15295E-05	0.000121042	**6409**	7.04666E-05
6.61975E-05	7.0162E-05	1.60199E-05	5.84413E-05	0.000117851	6.5704E-05	6.95185E-05	1.69836E-05	5.84413E-05	0.000125695	**6410**	6.5738E-05
6.56414E-05	6.95907E-05	1.56572E-05	5.87592E-05	0.000126059	6.55774E-05	6.93981E-05	1.67776E-05	5.87592E-05	0.000134827	**6411**	6.52057E-05
6.88232E-05	7.29623E-05	1.64355E-05	6.27484E-05	0.000137696	6.92938E-05	7.33275E-05	1.7774E-05	6.27484E-05	0.000147739	**6412**	6.8439E-05
7.59852E-05	8.05386E-05	1.83547E-05	6.94114E-05	0.000152483	7.65307E-05	8.09741E-05	1.97776E-05	6.94114E-05	0.000164115	**6413**	7.55501E-05
8.23671E-05	8.72696E-05	2.03182E-05	7.4745E-05	0.000160916	8.26465E-05	8.74192E-05	2.16877E-05	7.4745E-05	0.000173625	**6414**	8.18984E-05
8.48023E-05	8.97722E-05	2.18998E-05	7.66906E-05	0.000214425	8.47872E-05	8.96224E-05	2.30282E-05	7.66906E-05	0.000220595	**6415**	8.43667E-05
8.05859E-05	8.52016E-05	2.21665E-05	7.59444E-05	0.000219252	8.17842E-05	8.63696E-05	2.32176E-05	7.59444E-05	0.00022603	**6416**	8.02525E-05
8.11648E-05	8.57975E-05	2.25304E-05	7.61981E-05	0.000221888	8.21958E-05	8.67898E-05	2.35179E-05	7.61981E-05	0.000228867	**6417**	8.08563E-05
8.6072E-05	9.0986E-05	2.3878E-05	8.03344E-05	0.000222111	8.69449E-05	9.18067E-05	2.48479E-05	8.03344E-05	0.000229064	**6418**	8.56982E-05
9.03051E-05	9.54635E-05	2.50175E-05	8.3902E-05	0.000223402	9.10457E-05	9.61403E-05	2.59746E-05	8.3902E-05	0.000230474	**6419**	8.98688E-05
9.16282E-05	9.68882E-05	2.50552E-05	8.49816E-05	0.000217758	9.23693E-05	9.75626E-05	2.60368E-05	8.49816E-05	0.000226256	**6420**	9.10853E-05
9.52075E-05	0.000100692	2.57963E-05	8.83213E-05	0.000215198	9.60307E-05	0.000101447	2.68454E-05	8.83213E-05	0.000223412	**6421**	9.45826E-05
9.97636E-05	0.000105546	2.65772E-05	9.31983E-05	0.000209936	0.000101018	0.000106748	2.78346E-05	9.31983E-05	0.000217592	**6422**	9.90487E-05
0.000106021	0.000112196	2.78667E-05	9.92426E-05	0.000205778	0.000107518	0.000113644	2.92772E-05	9.92426E-05	0.000210949	**6423**	0.00010518
0.000115466	0.000122221	2.99718E-05	0.000107188	0.000194405	0.000116741	0.000123422	3.13987E-05	0.000107188	0.000198347	**6424**	0.000114369
0.00012332	0.000130522	3.21719E-05	0.000115554	0.000186502	0.000125161	0.00013231	3.38586E-05	0.000115554	0.000189623	**6425**	0.000122289
0.00012631	0.000133589	3.41837E-05	0.000117042	0.000180696	0.000127347	0.000134533	3.55576E-05	0.000117042	0.000183252	**6426**	0.000125459
0.000129595	0.000136921	3.68613E-05	0.000115652	0.000163287	0.000128228	0.000135344	3.73336E-05	0.000115652	0.000168069	**6427**	0.000128788
0.000124273	0.000131181	3.68362E-05	0.00010914	0.000146972	0.000121852	0.000128509	3.68321E-05	0.00010914	0.000153908	**6428**	0.00012373
0.000114799	0.000121147	3.44579E-05	9.87236E-05	0.000132189	0.000111488	0.000117541	3.41714E-05	9.87236E-05	0.000139586	**6429**	0.000114385
0.000104091	0.000109922	3.02951E-05	8.5961E-05	0.000121007	9.95699E-05	0.00010502	2.99618E-05	8.5961E-05	0.000129069	**6430**	0.000103743
9.0308E-05	9.54043E-05	2.58059E-05	7.52384E-05	0.000117042	8.67844E-05	9.15631E-05	2.57486E-05	7.52384E-05	0.000124707	**6431**	9.00392E-05
8.00037E-05	8.46157E-05	2.16304E-05	6.79399E-05	0.000114687	7.77171E-05	8.20802E-05	2.19886E-05	6.79399E-05	0.000122136	**6432**	7.96443E-05
7.09416E-05	7.51388E-05	1.78192E-05	6.15295E-05	0.000113697	6.97724E-05	7.3782E-05	1.85593E-05	6.15295E-05	0.000121042	**6433**	7.04666E-05
6.61975E-05	7.0162E-05	1.60199E-05	5.84413E-05	0.000117851	6.5704E-05	6.95185E-05	1.69836E-05	5.84413E-05	0.000125695	**6434**	6.5738E-05
6.56414E-05	6.95907E-05	1.56572E-05	5.87592E-05	0.000126059	6.55774E-05	6.93981E-05	1.67776E-05	5.87592E-05	0.000134827	**6435**	6.52057E-05
6.88232E-05	7.29623E-05	1.64355E-05	6.27484E-05	0.000137696	6.92938E-05	7.33275E-05	1.7774E-05	6.27484E-05	0.000147739	**6436**	6.8439E-05
7.59852E-05	8.05386E-05	1.83547E-05	6.94114E-05	0.000152483	7.65307E-05	8.09741E-05	1.97776E-05	6.94114E-05	0.000164115	**6437**	7.55501E-05
8.23671E-05	8.72696E-05	2.03182E-05	7.4745E-05	0.000160916	8.26465E-05	8.74192E-05	2.16877E-05	7.4745E-05	0.000173625	**6438**	8.18984E-05
8.48023E-05	8.97722E-05	2.18998E-05	7.66906E-05	0.000214425	8.47872E-05	8.96224E-05	2.30282E-05	7.66906E-05	0.000220595	**6439**	8.43667E-05
8.05859E-05	8.52016E-05	2.21665E-05	7.59444E-05	0.000219252	8.17842E-05	8.63696E-05	2.32176E-05	7.59444E-05	0.00022603	**6440**	8.02525E-05
8.11648E-05	8.57975E-05	2.25304E-05	7.61981E-05	0.000221888	8.21958E-05	8.67898E-05	2.35179E-05	7.61981E-05	0.000228867	**6441**	8.08563E-05
8.6072E-05	9.0986E-05	2.3878E-05	8.03344E-05	0.000222111	8.69449E-05	9.18067E-05	2.48479E-05	8.03344E-05	0.000229064	**6442**	8.56982E-05
9.03051E-05	9.54635E-05	2.50175E-05	8.3902E-05	0.000223402	9.10457E-05	9.61403E-05	2.59746E-05	8.3902E-05	0.000230474	**6443**	8.98688E-05
9.16282E-05	9.68882E-05	2.50552E-05	8.49816E-05	0.000217758	9.23693E-05	9.75626E-05	2.60368E-05	8.49816E-05	0.000226256	**6444**	9.10853E-05
9.52075E-05	0.000100692	2.57963E-05	8.83213E-05	0.000215198	9.60307E-05	0.000101447	2.68454E-05	8.83213E-05	0.000223412	**6445**	9.45826E-05
9.97636E-05	0.000105546	2.65772E-05	9.31983E-05	0.000209936	0.000101018	0.000106748	2.78346E-05	9.31983E-05	0.000217592	**6446**	9.90487E-05
0.000106021	0.000112196	2.78667E-05	9.92426E-05	0.000205778	0.000107518	0.000113644	2.92772E-05	9.92426E-05	0.000210949	**6447**	0.00010518
0.000115466	0.000122221	2.99718E-05	0.000107188	0.000194405	0.000116741	0.000123422	3.13987E-05	0.000107188	0.000198347	**6448**	0.000114369
0.00012332	0.000130522	3.21719E-05	0.000115554	0.000186502	0.000125161	0.00013231	3.38586E-05	0.000115554	0.000189623	**6449**	0.000122289
0.00012631	0.000133589	3.41837E-05	0.000117042	0.000180696	0.000127347	0.000134533	3.55576E-05	0.000117042	0.000183252	**6450**	0.000125459
0.000129595	0.000136921	3.68613E-05	0.000115652	0.000163287	0.000128228	0.000135344	3.73336E-05	0.000115652	0.000168069	**6451**	0.000128788

0.000124273	0.000131181	3.68362E-05	0.00010914	0.000146972	0.000121852	0.000128509	3.68321E-05	0.00010914	0.000153908	**6452**	0.00012373
0.000114799	0.000121147	3.44579E-05	9.87236E-05	0.000132189	0.000111488	0.000117541	3.41714E-05	9.87236E-05	0.000139586	**6453**	0.000114385
0.000104091	0.000109922	3.02951E-05	8.5961E-05	0.000121007	9.95699E-05	0.00010502	2.99618E-05	8.5961E-05	0.000129069	**6454**	0.000103743
9.0308E-05	9.54043E-05	2.58059E-05	7.52384E-05	0.000117042	8.67844E-05	9.15631E-05	2.57486E-05	7.52384E-05	0.000124707	**6455**	9.00392E-05
8.00037E-05	8.46157E-05	2.16304E-05	6.79399E-05	0.000114687	7.77171E-05	8.20802E-05	2.19886E-05	6.79399E-05	0.000122136	**6456**	7.96443E-05
6.96768E-05	7.37956E-05	1.75462E-05	6.03588E-05	0.000114411	6.8485E-05	7.24169E-05	1.82652E-05	6.03588E-05	0.000121857	**6457**	6.92287E-05
6.63847E-05	7.03604E-05	1.60657E-05	5.86424E-05	0.000117126	6.59068E-05	6.9733E-05	1.70366E-05	5.86424E-05	0.000124883	**6458**	6.59252E-05
6.57739E-05	6.97317E-05	1.5682E-05	5.88622E-05	0.000125369	6.57036E-05	6.95323E-05	1.68017E-05	5.88622E-05	0.000134055	**6459**	6.53326E-05
6.88003E-05	7.29386E-05	1.64237E-05	6.26922E-05	0.000136751	6.92552E-05	7.32871E-05	1.77568E-05	6.26922E-05	0.000146686	**6460**	6.84116E-05
7.57204E-05	8.02585E-05	1.82824E-05	6.90883E-05	0.000151099	7.6227E-05	8.06534E-05	1.96895E-05	6.90883E-05	0.000162577	**6461**	7.52799E-05
8.23295E-05	8.7231E-05	2.02917E-05	7.46148E-05	0.000159016	8.25664E-05	8.7336E-05	2.16466E-05	7.46148E-05	0.000171514	**6462**	8.1848E-05
8.36084E-05	8.8485E-05	2.18867E-05	7.67518E-05	0.000212227	8.4083E-05	8.8864E-05	2.30175E-05	7.67518E-05	0.000218159	**6463**	8.31589E-05
8.12607E-05	8.59176E-05	2.232E-05	7.66093E-05	0.000216476	8.24887E-05	8.71159E-05	2.33882E-05	7.66093E-05	0.000222958	**6464**	8.09186E-05
8.18954E-05	8.6573E-05	2.26928E-05	7.68987E-05	0.000218831	8.29501E-05	8.75892E-05	2.36961E-05	7.68987E-05	0.000225491	**6465**	8.15748E-05
8.60865E-05	9.10015E-05	2.38791E-05	8.03373E-05	0.000219115	8.69551E-05	9.18177E-05	2.48477E-05	8.03373E-05	0.000225762	**6466**	8.57109E-05
8.93797E-05	9.44814E-05	2.48088E-05	8.29992E-05	0.000220316	9.00835E-05	9.51209E-05	2.57437E-05	8.29992E-05	0.000227082	**6467**	8.89564E-05
9.01493E-05	9.53195E-05	2.47125E-05	8.34913E-05	0.000214589	9.08108E-05	9.59123E-05	2.56517E-05	8.34913E-05	0.00022277	**6468**	8.96206E-05
9.3235E-05	9.85988E-05	2.5347E-05	8.63735E-05	0.000212376	9.39696E-05	9.92641E-05	2.63453E-05	8.63735E-05	0.000220313	**6469**	9.26348E-05
9.7265E-05	0.000102893	2.60347E-05	9.08696E-05	0.000206786	9.84679E-05	0.000104044	2.72483E-05	9.08696E-05	0.000214131	**6470**	9.66009E-05
0.000102973	0.000108959	2.72069E-05	9.6412E-05	0.000202815	0.000104411	0.00011035	2.85654E-05	9.6412E-05	0.000207696	**6471**	0.000102195
0.000111327	0.000117824	2.90976E-05	0.000103457	0.00019138	0.000112572	0.000119	3.04703E-05	0.000103457	0.000195024	**6472**	0.000110332
0.000118746	0.00012567	3.11186E-05	0.000110978	0.000183338	0.000120356	0.000127221	3.2679E-05	0.000110978	0.000186142	**6473**	0.000117764
0.000122388	0.00012943	3.32612E-05	0.000113018	0.000177443	0.000123182	0.000130125	3.4512E-05	0.000113018	0.00017966	**6474**	0.000121564
0.000126207	0.000133327	3.60937E-05	0.000112328	0.000160013	0.000124697	0.000131604	3.64819E-05	0.000112328	0.000164454	**6475**	0.000125446
0.000121474	0.000128209	3.62293E-05	0.000106535	0.000143829	0.000118998	0.000125482	3.61765E-05	0.000106535	0.000150439	**6476**	0.000120989
0.000113898	0.000120209	3.40201E-05	9.67303E-05	0.000129717	0.000110063	0.000116042	3.36974E-05	9.67303E-05	0.000136862	**6477**	0.000113543
0.00010242	0.000108146	2.99433E-05	8.44607E-05	0.000119177	9.78893E-05	0.000103237	2.9589E-05	8.44607E-05	0.000127059	**6478**	0.000102114
8.89082E-05	9.39193E-05	2.5485E-05	7.38458E-05	0.000115394	8.53172E-05	9.00091E-05	2.53902E-05	7.38458E-05	0.000122898	**6479**	8.86555E-05
7.89935E-05	8.35441E-05	2.13982E-05	6.69315E-05	0.000113506	7.66568E-05	8.09573E-05	2.17288E-05	6.69315E-05	0.00012084	**6480**	7.86452E-05
6.96768E-05	7.37956E-05	1.75462E-05	6.03588E-05	0.000114411	6.8485E-05	7.24169E-05	1.82652E-05	6.03588E-05	0.000121857	**6481**	6.92287E-05
6.63847E-05	7.03604E-05	1.60657E-05	5.86424E-05	0.000117126	6.59068E-05	6.9733E-05	1.70366E-05	5.86424E-05	0.000124883	**6482**	6.59252E-05
6.57739E-05	6.97317E-05	1.5682E-05	5.88622E-05	0.000125369	6.57036E-05	6.95323E-05	1.68017E-05	5.88622E-05	0.000134055	**6483**	6.53326E-05
6.88003E-05	7.29386E-05	1.64237E-05	6.26922E-05	0.000136751	6.92552E-05	7.32871E-05	1.77568E-05	6.26922E-05	0.000146686	**6484**	6.84116E-05
7.57204E-05	8.02585E-05	1.82824E-05	6.90883E-05	0.000151099	7.6227E-05	8.06534E-05	1.96895E-05	6.90883E-05	0.000162577	**6485**	7.52799E-05
8.23295E-05	8.7231E-05	2.02917E-05	7.46148E-05	0.000159016	8.25664E-05	8.7336E-05	2.16466E-05	7.46148E-05	0.000171514	**6486**	8.1848E-05
8.36084E-05	8.8485E-05	2.18867E-05	7.67518E-05	0.000212227	8.4083E-05	8.8864E-05	2.30175E-05	7.67518E-05	0.000218159	**6487**	8.31589E-05
8.12607E-05	8.59176E-05	2.232E-05	7.66093E-05	0.000216476	8.24887E-05	8.71159E-05	2.33882E-05	7.66093E-05	0.000222958	**6488**	8.09186E-05
8.18954E-05	8.6573E-05	2.26928E-05	7.68987E-05	0.000218831	8.29501E-05	8.75892E-05	2.36961E-05	7.68987E-05	0.000225491	**6489**	8.15748E-05
8.60865E-05	9.10015E-05	2.38791E-05	8.03373E-05	0.000219115	8.69551E-05	9.18177E-05	2.48477E-05	8.03373E-05	0.000225762	**6490**	8.57109E-05
8.93797E-05	9.44814E-05	2.48088E-05	8.29992E-05	0.000220316	9.00835E-05	9.51209E-05	2.57437E-05	8.29992E-05	0.000227082	**6491**	8.89564E-05
9.01493E-05	9.53195E-05	2.47125E-05	8.34913E-05	0.000214589	9.08108E-05	9.59123E-05	2.56517E-05	8.34913E-05	0.00022277	**6492**	8.96206E-05
9.3235E-05	9.85988E-05	2.5347E-05	8.63735E-05	0.000212376	9.39696E-05	9.92641E-05	2.63453E-05	8.63735E-05	0.000220313	**6493**	9.26348E-05
9.7265E-05	0.000102893	2.60347E-05	9.08696E-05	0.000206786	9.84679E-05	0.000104044	2.72483E-05	9.08696E-05	0.000214131	**6494**	9.66009E-05
0.000102973	0.000108959	2.72069E-05	9.6412E-05	0.000202815	0.000104411	0.00011035	2.85654E-05	9.6412E-05	0.000207696	**6495**	0.000102195
0.000111327	0.000117824	2.90976E-05	0.000103457	0.00019138	0.000112572	0.000119	3.04703E-05	0.000103457	0.000195024	**6496**	0.000110332
0.000118746	0.00012567	3.11186E-05	0.000110978	0.000183338	0.000120356	0.000127221	3.2679E-05	0.000110978	0.000186142	**6497**	0.000117764
0.000122388	0.00012943	3.32612E-05	0.000113018	0.000177443	0.000123182	0.000130125	3.4512E-05	0.000113018	0.00017966	**6498**	0.000121564
0.000126207	0.000133327	3.60937E-05	0.000112328	0.000160013	0.000124697	0.000131604	3.64819E-05	0.000112328	0.000164454	**6499**	0.000125446
0.000121474	0.000128209	3.62293E-05	0.000106535	0.000143829	0.000118998	0.000125482	3.61765E-05	0.000106535	0.000150439	**6500**	0.000120989
0.000113898	0.000120209	3.40201E-05	9.67303E-05	0.000129717	0.000110063	0.000116042	3.36974E-05	9.67303E-05	0.000136862	**6501**	0.000113543
0.00010242	0.000108146	2.99433E-05	8.44607E-05	0.000119177	9.78893E-05	0.000103237	2.9589E-05	8.44607E-05	0.000127059	**6502**	0.000102114
8.89082E-05	9.39193E-05	2.5485E-05	7.38458E-05	0.000115394	8.53172E-05	9.00091E-05	2.53902E-05	7.38458E-05	0.000122898	**6503**	8.86555E-05
7.89935E-05	8.35441E-05	2.13982E-05	6.69315E-05	0.000113506	7.66568E-05	8.09573E-05	2.17288E-05	6.69315E-05	0.00012084	**6504**	7.86452E-05
6.96768E-05	7.37956E-05	1.75462E-05	6.03588E-05	0.000114411	6.8485E-05	7.24169E-05	1.82652E-05	6.03588E-05	0.000121857	**6505**	6.92287E-05
6.63847E-05	7.03604E-05	1.60657E-05	5.86424E-05	0.000117126	6.59068E-05	6.9733E-05	1.70366E-05	5.86424E-05	0.000124883	**6506**	6.59252E-05
6.57739E-05	6.97317E-05	1.5682E-05	5.88622E-05	0.000125369	6.57036E-05	6.95323E-05	1.68017E-05	5.88622E-05	0.000134055	**6507**	6.53326E-05
6.88003E-05	7.29386E-05	1.64237E-05	6.26922E-05	0.000136751	6.92552E-05	7.32871E-05	1.77568E-05	6.26922E-05	0.000146686	**6508**	6.84116E-05
7.57204E-05	8.02585E-05	1.82824E-05	6.90883E-05	0.000151099	7.6227E-05	8.06534E-05	1.96895E-05	6.90883E-05	0.000162577	**6509**	7.52799E-05
8.23295E-05	8.7231E-05	2.02917E-05	7.46148E-05	0.000159016	8.25664E-05	8.7336E-05	2.16466E-05	7.46148E-05	0.000171514	**6510**	8.1848E-05
8.36084E-05	8.8485E-05	2.18867E-05	7.67518E-05	0.000212227	8.4083E-05	8.8864E-05	2.30175E-05	7.67518E-05	0.000218159	**6511**	8.31589E-05
8.12607E-05	8.59176E-05	2.232E-05	7.66093E-05	0.000216476	8.24887E-05	8.71159E-05	2.33882E-05	7.66093E-05	0.000222958	**6512**	8.09186E-05
8.18954E-05	8.6573E-05	2.26928E-05	7.68987E-05	0.000218831	8.29501E-05	8.75892E-05	2.36961E-05	7.68987E-05	0.000225491	**6513**	8.15748E-05
8.60865E-05	9.10015E-05	2.38791E-05	8.03373E-05	0.000219115	8.69551E-05	9.18177E-05	2.48477E-05	8.03373E-05	0.000225762	**6514**	8.57109E-05
8.93797E-05	9.44814E-05	2.48088E-05	8.29992E-05	0.000220316	9.00835E-05	9.51209E-05	2.57437E-05	8.29992E-05	0.000227082	**6515**	8.89564E-05
9.01493E-05	9.53195E-05	2.47125E-05	8.34913E-05	0.000214589	9.08108E-05	9.59123E-05	2.56517E-05	8.34913E-05	0.00022277	**6516**	8.96206E-05
9.3235E-05	9.85988E-05	2.5347E-05	8.63735E-05	0.000212376	9.39696E-05	9.92641E-05	2.63453E-05	8.63735E-05	0.000220313	**6517**	9.26348E-05
9.7265E-05	0.000102893	2.60347E-05	9.08696E-05	0.000206786	9.84679E-05	0.000104044	2.72483E-05	9.08696E-05	0.000214131	**6518**	9.66009E-05
0.000102973	0.000108959	2.72069E-05	9.6412E-05	0.000202815	0.000104411	0.00011035	2.85654E-05	9.6412E-05	0.000207696	**6519**	0.000102195
0.000111327	0.000117824	2.90976E-05	0.000103457	0.00019138	0.000112572	0.000119	3.04703E-05	0.000103457	0.000195024	**6520**	0.000110332
0.000118746	0.00012567	3.11186E-05	0.000110978	0.000183338	0.000120356	0.000127221	3.2679E-05	0.000110978	0.000186142	**6521**	0.000117764
0.000122388	0.00012943	3.32612E-05	0.000113018	0.000177443	0.000123182	0.000130125	3.4512E-05	0.000113018	0.00017966	**6522**	0.000121564
0.000126207	0.000133327	3.60937E-05	0.000112328	0.000160013	0.000124697	0.000131604	3.64819E-05	0.000112328	0.000164454	**6523**	0.000125446
0.000121474	0.000128209	3.62293E-05	0.000106535	0.000143829	0.000118998	0.000125482	3.61765E-05	0.000106535	0.000150439	**6524**	0.000120989
0.000113898	0.000120209	3.40201E-05	9.67303E-05	0.000129717	0.000110063	0.000116042	3.36974E-05	9.67303E-05	0.000136862	**6525**	0.000113543
0.00010242	0.000108146	2.99433E-05	8.44607E-05	0.000119177	9.78893E-05	0.000103237	2.9589E-05	8.44607E-05	0.000127059	**6526**	0.000102114
8.89082E-05	9.39193E-05	2.5485E-05	7.38458E-05	0.000115394	8.53172E-05	9.00091E-05	2.53902E-05	7.38458E-05	0.000122898	**6527**	8.86555E-05

7.89935E-05	8.35441E-05	2.13982E-05	6.69315E-05	0.000113506	7.66568E-05	8.09573E-05	2.17288E-05	6.69315E-05	0.00012084	**6528**	7.86452E-05
6.96768E-05	7.37956E-05	1.75462E-05	6.03588E-05	0.000114411	6.8485E-05	7.24169E-05	1.82652E-05	6.03588E-05	0.000121857	**6529**	6.92287E-05
6.63847E-05	7.03604E-05	1.60657E-05	5.86424E-05	0.000117126	6.59068E-05	6.9733E-05	1.70366E-05	5.86424E-05	0.000124883	**6530**	6.59252E-05
6.57739E-05	6.97317E-05	1.5682E-05	5.88622E-05	0.000125369	6.57036E-05	6.95323E-05	1.68017E-05	5.88622E-05	0.000134055	**6531**	6.53326E-05
6.88003E-05	7.29386E-05	1.64237E-05	6.26922E-05	0.000136751	6.92552E-05	7.32871E-05	1.77568E-05	6.26922E-05	0.000146686	**6532**	6.84116E-05
7.57204E-05	8.02585E-05	1.82824E-05	6.90883E-05	0.000151099	7.6227E-05	8.06534E-05	1.96895E-05	6.90883E-05	0.000162577	**6533**	7.52799E-05
8.23295E-05	8.7231E-05	2.02917E-05	7.46148E-05	0.000159016	8.25664E-05	8.7336E-05	2.16466E-05	7.46148E-05	0.000171514	**6534**	8.1848E-05
8.36084E-05	8.8485E-05	2.18867E-05	7.67518E-05	0.000212227	8.4083E-05	8.8864E-05	2.30175E-05	7.67518E-05	0.000218159	**6535**	8.31589E-05
8.12607E-05	8.59176E-05	2.232E-05	7.66093E-05	0.000216476	8.24887E-05	8.71159E-05	2.33882E-05	7.66093E-05	0.000222958	**6536**	8.09186E-05
8.18954E-05	8.6573E-05	2.26928E-05	7.68987E-05	0.000218831	8.29501E-05	8.75892E-05	2.36961E-05	7.68987E-05	0.000225491	**6537**	8.15748E-05
8.60865E-05	9.10015E-05	2.38791E-05	8.03373E-05	0.000219115	8.69551E-05	9.18177E-05	2.48477E-05	8.03373E-05	0.000225762	**6538**	8.57109E-05
8.93797E-05	9.44814E-05	2.48088E-05	8.29992E-05	0.000220316	9.00835E-05	9.51209E-05	2.57437E-05	8.29992E-05	0.000227082	**6539**	8.89564E-05
9.01493E-05	9.53195E-05	2.47125E-05	8.34913E-05	0.000214589	9.08108E-05	9.59123E-05	2.56517E-05	8.34913E-05	0.00022277	**6540**	8.96206E-05
9.3235E-05	9.85988E-05	2.5347E-05	8.63735E-05	0.000212376	9.39696E-05	9.92641E-05	2.63453E-05	8.63735E-05	0.000220313	**6541**	9.26348E-05
9.7265E-05	0.000102893	2.60347E-05	9.08696E-05	0.000206786	9.84679E-05	0.000104044	2.72483E-05	9.08696E-05	0.000214131	**6542**	9.66009E-05
0.000102973	0.000108959	2.72069E-05	9.6412E-05	0.000202815	0.000104411	0.00011035	2.85654E-05	9.6412E-05	0.000207696	**6543**	0.000102195
0.000111327	0.000117824	2.90976E-05	0.000103457	0.00019138	0.000112572	0.000119	3.04703E-05	0.000103457	0.000195024	**6544**	0.000110332
0.000118746	0.00012567	3.11186E-05	0.000110978	0.000183338	0.000120356	0.000127221	3.2679E-05	0.000110978	0.000186142	**6545**	0.000117764
0.000122388	0.00012943	3.32612E-05	0.000113018	0.000177443	0.000123182	0.000130125	3.4512E-05	0.000113018	0.00017966	**6546**	0.000121564
0.000126207	0.000133327	3.60937E-05	0.000112328	0.000160013	0.000124697	0.000131604	3.64819E-05	0.000112328	0.000164454	**6547**	0.000125446
0.000121474	0.000128209	3.62293E-05	0.000106535	0.000143829	0.000118998	0.000125482	3.61765E-05	0.000106535	0.000150439	**6548**	0.000120989
0.000113898	0.000120209	3.40201E-05	9.67303E-05	0.000129717	0.000110063	0.000116042	3.36974E-05	9.67303E-05	0.000136862	**6549**	0.000113543
0.00010242	0.000108146	2.99433E-05	8.44607E-05	0.000119177	9.78893E-05	0.000103237	2.9589E-05	8.44607E-05	0.000127059	**6550**	0.000102114
8.89082E-05	9.39193E-05	2.5485E-05	7.38458E-05	0.000115394	8.53172E-05	9.00091E-05	2.53902E-05	7.38458E-05	0.000122898	**6551**	8.86555E-05
7.89935E-05	8.35441E-05	2.13982E-05	6.69315E-05	0.000113506	7.66568E-05	8.09573E-05	2.17288E-05	6.69315E-05	0.00012084	**6552**	7.86452E-05
6.96768E-05	7.37956E-05	1.75462E-05	6.03588E-05	0.000114411	6.8485E-05	7.24169E-05	1.82652E-05	6.03588E-05	0.000121857	**6553**	6.92287E-05
6.63847E-05	7.03604E-05	1.60657E-05	5.86424E-05	0.000117126	6.59068E-05	6.9733E-05	1.70366E-05	5.86424E-05	0.000124883	**6554**	6.59252E-05
6.57739E-05	6.97317E-05	1.5682E-05	5.88622E-05	0.000125369	6.57036E-05	6.95323E-05	1.68017E-05	5.88622E-05	0.000134055	**6555**	6.53326E-05
6.88003E-05	7.29386E-05	1.64237E-05	6.26922E-05	0.000136751	6.92552E-05	7.32871E-05	1.77568E-05	6.26922E-05	0.000146686	**6556**	6.84116E-05
7.57204E-05	8.02585E-05	1.82824E-05	6.90883E-05	0.000151099	7.6227E-05	8.06534E-05	1.96895E-05	6.90883E-05	0.000162577	**6557**	7.52799E-05
8.23295E-05	8.7231E-05	2.02917E-05	7.46148E-05	0.000159016	8.25664E-05	8.7336E-05	2.16466E-05	7.46148E-05	0.000171514	**6558**	8.1848E-05
8.36084E-05	8.8485E-05	2.18867E-05	7.67518E-05	0.000212227	8.4083E-05	8.8864E-05	2.30175E-05	7.67518E-05	0.000218159	**6559**	8.31589E-05
8.12607E-05	8.59176E-05	2.232E-05	7.66093E-05	0.000216476	8.24887E-05	8.71159E-05	2.33882E-05	7.66093E-05	0.000222958	**6560**	8.09186E-05
8.18954E-05	8.6573E-05	2.26928E-05	7.68987E-05	0.000218831	8.29501E-05	8.75892E-05	2.36961E-05	7.68987E-05	0.000225491	**6561**	8.15748E-05
8.60865E-05	9.10015E-05	2.38791E-05	8.03373E-05	0.000219115	8.69551E-05	9.18177E-05	2.48477E-05	8.03373E-05	0.000225762	**6562**	8.57109E-05
8.93797E-05	9.44814E-05	2.48088E-05	8.29992E-05	0.000220316	9.00835E-05	9.51209E-05	2.57437E-05	8.29992E-05	0.000227082	**6563**	8.89564E-05
9.01493E-05	9.53195E-05	2.47125E-05	8.34913E-05	0.000214589	9.08108E-05	9.59123E-05	2.56517E-05	8.34913E-05	0.00022277	**6564**	8.96206E-05
9.3235E-05	9.85988E-05	2.5347E-05	8.63735E-05	0.000212376	9.39696E-05	9.92641E-05	2.63453E-05	8.63735E-05	0.000220313	**6565**	9.26348E-05
9.7265E-05	0.000102893	2.60347E-05	9.08696E-05	0.000206786	9.84679E-05	0.000104044	2.72483E-05	9.08696E-05	0.000214131	**6566**	9.66009E-05
0.000102973	0.000108959	2.72069E-05	9.6412E-05	0.000202815	0.000104411	0.00011035	2.85654E-05	9.6412E-05	0.000207696	**6567**	0.000102195
0.000111327	0.000117824	2.90976E-05	0.000103457	0.00019138	0.000112572	0.000119	3.04703E-05	0.000103457	0.000195024	**6568**	0.000110332
0.000118746	0.00012567	3.11186E-05	0.000110978	0.000183338	0.000120356	0.000127221	3.2679E-05	0.000110978	0.000186142	**6569**	0.000117764
0.000122388	0.00012943	3.32612E-05	0.000113018	0.000177443	0.000123182	0.000130125	3.4512E-05	0.000113018	0.00017966	**6570**	0.000121564
0.000126207	0.000133327	3.60937E-05	0.000112328	0.000160013	0.000124697	0.000131604	3.64819E-05	0.000112328	0.000164454	**6571**	0.000125446
0.000121474	0.000128209	3.62293E-05	0.000106535	0.000143829	0.000118998	0.000125482	3.61765E-05	0.000106535	0.000150439	**6572**	0.000120989
0.000113898	0.000120209	3.40201E-05	9.67303E-05	0.000129717	0.000110063	0.000116042	3.36974E-05	9.67303E-05	0.000136862	**6573**	0.000113543
0.00010242	0.000108146	2.99433E-05	8.44607E-05	0.000119177	9.78893E-05	0.000103237	2.9589E-05	8.44607E-05	0.000127059	**6574**	0.000102114
8.89082E-05	9.39193E-05	2.5485E-05	7.38458E-05	0.000115394	8.53172E-05	9.00091E-05	2.53902E-05	7.38458E-05	0.000122898	**6575**	8.86555E-05
7.89935E-05	8.35441E-05	2.13982E-05	6.69315E-05	0.000113506	7.66568E-05	8.09573E-05	2.17288E-05	6.69315E-05	0.00012084	**6576**	7.86452E-05
6.61063E-05	6.99751E-05	1.71407E-05	5.89484E-05	4.56677E-05	6.56814E-05	6.94084E-05	1.80782E-05	5.89484E-05	4.44113E-05	**6577**	6.60009E-05
6.42819E-05	6.80999E-05	1.59598E-05	5.85012E-05	4.64562E-05	6.45578E-05	6.82687E-05	1.71605E-05	5.85012E-05	4.52298E-05	**6578**	6.41212E-05
6.52152E-05	6.91056E-05	1.59757E-05	6.04938E-05	4.84003E-05	6.60768E-05	6.98878E-05	1.74013E-05	6.04938E-05	4.72351E-05	**6579**	6.50885E-05
6.91939E-05	7.33241E-05	1.692E-05	6.51897E-05	5.1376E-05	7.05908E-05	7.46635E-05	1.85725E-05	6.51897E-05	5.02892E-05	**6580**	6.90974E-05
7.647E-05	8.10171E-05	1.89199E-05	7.22491E-05	5.51938E-05	7.80713E-05	8.2563E-05	2.07014E-05	7.22491E-05	5.41883E-05	**6581**	7.63612E-05
8.34627E-05	8.83928E-05	2.10636E-05	7.83985E-05	5.59176E-05	8.49186E-05	8.9779E-05	2.28386E-05	7.83985E-05	5.48825E-05	**6582**	8.33426E-05
8.6385E-05	9.14027E-05	2.2877E-05	8.14515E-05	0.000101792	8.78429E-05	9.2801E-05	2.45153E-05	8.14515E-05	9.32466E-05	**6583**	8.63807E-05
7.99664E-05	8.44954E-05	2.26447E-05	7.85447E-05	0.000100634	8.2545E-05	8.71168E-05	2.41513E-05	7.85447E-05	9.2008E-05	**6584**	8.0094E-05
7.61022E-05	8.03807E-05	2.1951E-05	7.41752E-05	0.000100973	7.82104E-05	8.25138E-05	2.3245E-05	7.41752E-05	9.23241E-05	**6585**	7.62768E-05
7.47525E-05	7.89309E-05	2.18686E-05	7.21087E-05	0.000101236	7.64108E-05	8.05941E-05	2.29805E-05	7.21087E-05	9.25666E-05	**6586**	7.49364E-05
7.36446E-05	7.77453E-05	2.17439E-05	7.01561E-05	0.000101934	7.48228E-05	7.8906E-05	2.26695E-05	7.01561E-05	9.32623E-05	**6587**	7.37978E-05
7.28728E-05	7.69424E-05	2.13649E-05	6.94809E-05	9.52863E-05	7.40949E-05	7.81495E-05	2.23072E-05	6.94809E-05	8.78745E-05	**6588**	7.299E-05
7.4171E-05	7.83264E-05	2.15772E-05	7.05205E-05	9.49709E-05	7.53519E-05	7.94882E-05	2.25213E-05	7.05205E-05	8.75476E-05	**6589**	7.42279E-05
7.54382E-05	7.96925E-05	2.15928E-05	7.20668E-05	9.32612E-05	7.68661E-05	8.1111E-05	2.26485E-05	7.20668E-05	8.57993E-05	**6590**	7.54342E-05
7.89383E-05	8.34113E-05	2.23255E-05	7.5758E-05	9.77453E-05	8.06467E-05	8.51195E-05	2.35176E-05	7.5758E-05	8.89578E-05	**6591**	7.88949E-05
8.52141E-05	9.00581E-05	2.39063E-05	8.15985E-05	9.4621E-05	8.70076E-05	9.1848E-05	2.51836E-05	8.15985E-05	8.57625E-05	**6592**	8.50995E-05
9.29021E-05	9.82117E-05	2.56993E-05	8.7886E-05	9.21692E-05	9.44151E-05	9.9697E-05	2.69511E-05	8.7886E-05	8.32697E-05	**6593**	9.25834E-05
0.000100482	0.000106166	2.85478E-05	9.28232E-05	9.07331E-05	0.000100922	0.000106518	2.94456E-05	9.28232E-05	8.18169E-05	**6594**	0.000100132
0.000106819	0.000112719	3.21395E-05	9.55826E-05	7.54491E-05	0.00010549	0.000111214	3.23809E-05	9.55826E-05	6.90536E-05	**6595**	0.000106636
0.000105633	0.000111374	3.29668E-05	9.26886E-05	6.21708E-05	0.000103232	0.000108748	3.27699E-05	9.26886E-05	5.83783E-05	**6596**	0.000105597
9.97041E-05	0.000105098	3.14408E-05	8.60048E-05	5.32273E-05	9.66735E-05	0.000101808	3.10868E-05	8.60048E-05	5.06693E-05	**6597**	9.97861E-05
9.40188E-05	9.91976E-05	2.84728E-05	7.84641E-05	4.6845E-05	9.01184E-05	9.49631E-05	2.82397E-05	7.84641E-05	4.56028E-05	**6598**	9.41409E-05
8.38206E-05	8.84899E-05	2.47228E-05	7.08798E-05	4.57652E-05	8.0903E-05	8.52956E-05	2.4799E-05	7.08798E-05	4.45098E-05	**6599**	8.3921E-05
7.61326E-05	8.04746E-05	2.1178E-05	6.63447E-05	4.51943E-05	7.46484E-05	7.87889E-05	2.17634E-05	6.63447E-05	4.39379E-05	**6600**	7.61353E-05
6.61063E-05	6.99751E-05	1.71407E-05	5.89484E-05	4.56677E-05	6.56814E-05	6.94084E-05	1.80782E-05	5.89484E-05	4.44113E-05	**6601**	6.60009E-05
6.42819E-05	6.80999E-05	1.59598E-05	5.85012E-05	4.64562E-05	6.45578E-05	6.82687E-05	1.71605E-05	5.85012E-05	4.52298E-05	**6602**	6.41212E-05
6.52152E-05	6.91056E-05	1.59757E-05	6.04938E-05	4.84003E-05	6.60768E-05	6.98878E-05	1.74013E-05	6.04938E-05	4.72351E-05	**6603**	6.50885E-05

6.91939E-05	7.33241E-05	1.692E-05	6.51897E-05	5.1376E-05	7.05908E-05	7.46635E-05	1.85725E-05	6.51897E-05	5.02892E-05	**6604**	6.90974E-05
7.647E-05	8.10171E-05	1.89199E-05	7.22491E-05	5.51938E-05	7.80713E-05	8.2563E-05	2.07014E-05	7.22491E-05	5.41883E-05	**6605**	7.63612E-05
8.34627E-05	8.83928E-05	2.10636E-05	7.83985E-05	5.59176E-05	8.49186E-05	8.9779E-05	2.28386E-05	7.83985E-05	5.48825E-05	**6606**	8.33426E-05
8.6385E-05	9.14027E-05	2.2877E-05	8.14515E-05	0.000101792	8.78429E-05	9.2801E-05	2.45153E-05	8.14515E-05	9.32466E-05	**6607**	8.63807E-05
7.99664E-05	8.44954E-05	2.26447E-05	7.85447E-05	0.000100634	8.2545E-05	8.71168E-05	2.41513E-05	7.85447E-05	9.2008E-05	**6608**	8.0094E-05
7.61022E-05	8.03807E-05	2.1951E-05	7.41752E-05	0.000100973	7.82104E-05	8.25138E-05	2.3245E-05	7.41752E-05	9.23241E-05	**6609**	7.62768E-05
7.47525E-05	7.89309E-05	2.18686E-05	7.21087E-05	0.000101236	7.64108E-05	8.05941E-05	2.29805E-05	7.21087E-05	9.25666E-05	**6610**	7.49364E-05
7.36446E-05	7.77453E-05	2.17439E-05	7.01561E-05	0.000101934	7.48228E-05	7.8906E-05	2.26695E-05	7.01561E-05	9.32623E-05	**6611**	7.37978E-05
7.28728E-05	7.69424E-05	2.13649E-05	6.94809E-05	9.52863E-05	7.40949E-05	7.81495E-05	2.23072E-05	6.94809E-05	8.78745E-05	**6612**	7.299E-05
7.4171E-05	7.83264E-05	2.15772E-05	7.05205E-05	9.49709E-05	7.53519E-05	7.94882E-05	2.25213E-05	7.05205E-05	8.75476E-05	**6613**	7.42279E-05
7.54382E-05	7.96925E-05	2.15928E-05	7.20668E-05	9.32612E-05	7.68661E-05	8.1111E-05	2.26485E-05	7.20668E-05	8.57993E-05	**6614**	7.54342E-05
7.89383E-05	8.34113E-05	2.23255E-05	7.5758E-05	9.77453E-05	8.06467E-05	8.51195E-05	2.35176E-05	7.5758E-05	8.89578E-05	**6615**	7.88949E-05
8.52141E-05	9.00581E-05	2.39063E-05	8.15985E-05	9.4621E-05	8.70076E-05	9.1848E-05	2.51836E-05	8.15985E-05	8.57625E-05	**6616**	8.50995E-05
9.29021E-05	9.82117E-05	2.56993E-05	8.7886E-05	9.21692E-05	9.44151E-05	9.9697E-05	2.69511E-05	8.7886E-05	8.32697E-05	**6617**	9.25834E-05
0.000100482	0.000106166	2.85478E-05	9.28232E-05	9.07331E-05	0.000100922	0.000106518	2.94456E-05	9.28232E-05	8.18169E-05	**6618**	0.000100132
0.000106819	0.000112719	3.21395E-05	9.55826E-05	7.54491E-05	0.00010549	0.000111214	3.23809E-05	9.55826E-05	6.90536E-05	**6619**	0.000106636
0.000105633	0.000111374	3.29668E-05	9.26886E-05	6.21708E-05	0.000103232	0.000108748	3.27699E-05	9.26886E-05	5.83783E-05	**6620**	0.000105597
9.97041E-05	0.000105098	3.14408E-05	8.60048E-05	5.32273E-05	9.66735E-05	0.000101808	3.10868E-05	8.60048E-05	5.06693E-05	**6621**	9.97861E-05
9.40188E-05	9.91976E-05	2.84728E-05	7.84641E-05	4.6845E-05	9.01184E-05	9.49631E-05	2.82397E-05	7.84641E-05	4.56028E-05	**6622**	9.41409E-05
8.38206E-05	8.84899E-05	2.47228E-05	7.08798E-05	4.57652E-05	8.0903E-05	8.52956E-05	2.4799E-05	7.08798E-05	4.45098E-05	**6623**	8.3921E-05
7.61326E-05	8.04746E-05	2.1178E-05	6.63447E-05	4.51943E-05	7.46484E-05	7.87889E-05	2.17634E-05	6.63447E-05	4.39379E-05	**6624**	7.61353E-05
6.62264E-05	7.01029E-05	1.71621E-05	5.90361E-05	4.54031E-05	6.57933E-05	6.95275E-05	1.80982E-05	5.90361E-05	4.41496E-05	**6625**	6.61151E-05
6.42753E-05	6.80931E-05	1.59544E-05	5.84746E-05	4.61466E-05	6.45421E-05	6.82524E-05	1.7152E-05	5.84746E-05	4.49225E-05	**6626**	6.41118E-05
6.52634E-05	6.91564E-05	1.59912E-05	6.05649E-05	4.8087E-05	6.61375E-05	6.99516E-05	1.74215E-05	6.05649E-05	4.69236E-05	**6627**	6.51395E-05
6.92122E-05	7.3343E-05	1.69303E-05	6.52394E-05	5.10029E-05	7.06238E-05	7.46979E-05	1.85879E-05	6.52394E-05	4.99151E-05	**6628**	6.91199E-05
7.65277E-05	8.10769E-05	1.89494E-05	7.23907E-05	5.48268E-05	7.81687E-05	8.26646E-05	2.07448E-05	7.23907E-05	5.38196E-05	**6629**	7.64302E-05
8.35052E-05	8.84373E-05	2.10822E-05	7.84866E-05	5.55435E-05	8.49833E-05	8.98467E-05	2.2865E-05	7.84866E-05	5.45056E-05	**6630**	8.33912E-05
8.47567E-05	8.96542E-05	2.27701E-05	8.11105E-05	0.000101517	8.66965E-05	9.15736E-05	2.44036E-05	8.11105E-05	9.29674E-05	**6631**	8.47478E-05
7.94173E-05	8.39142E-05	2.25021E-05	7.79115E-05	0.000100417	8.19313E-05	8.64684E-05	2.39811E-05	7.79115E-05	9.17867E-05	**6632**	7.95388E-05
7.49741E-05	7.91872E-05	2.16513E-05	7.284E-05	0.000100906	7.69346E-05	8.11664E-05	2.28839E-05	7.284E-05	9.22535E-05	**6633**	7.51314E-05
7.35618E-05	7.7671E-05	2.15527E-05	7.07016E-05	0.000101242	7.50652E-05	7.91729E-05	2.26001E-05	7.07016E-05	9.25672E-05	**6634**	7.37277E-05
7.25644E-05	7.66023E-05	2.14572E-05	6.88787E-05	0.000102015	7.36016E-05	7.76162E-05	2.2324E-05	6.88787E-05	9.33363E-05	**6635**	7.27011E-05
7.19407E-05	7.59546E-05	2.11371E-05	6.84801E-05	9.53494E-05	7.30856E-05	7.70818E-05	2.20436E-05	6.84801E-05	8.79301E-05	**6636**	7.20581E-05
7.34004E-05	7.75091E-05	2.13969E-05	6.97348E-05	9.50353E-05	7.45358E-05	7.86241E-05	2.23175E-05	6.97348E-05	8.76031E-05	**6637**	7.34634E-05
7.4766E-05	7.89798E-05	2.14332E-05	7.13694E-05	9.33751E-05	7.61489E-05	8.03519E-05	2.24667E-05	7.13694E-05	8.59058E-05	**6638**	7.47657E-05
7.80794E-05	8.25009E-05	2.21181E-05	7.48491E-05	9.79042E-05	7.97226E-05	8.41417E-05	2.32792E-05	7.48491E-05	8.91115E-05	**6639**	7.80382E-05
8.43342E-05	8.91256E-05	2.3691E-05	8.06527E-05	9.47903E-05	8.60544E-05	9.08397E-05	2.49344E-05	8.06527E-05	8.59281E-05	**6640**	8.42197E-05
9.22181E-05	9.74869E-05	2.5534E-05	8.71613E-05	9.23225E-05	9.36788E-05	9.8918E-05	2.6761E-05	8.71613E-05	8.34197E-05	**6641**	9.19011E-05
9.99038E-05	0.000105553	2.84047E-05	9.21933E-05	9.08702E-05	0.000100292	0.000105851	2.9279E-05	9.21933E-05	8.19513E-05	**6642**	9.95525E-05
0.00010647	0.00011235	3.2048E-05	9.51758E-05	7.55385E-05	0.000105098	0.0001108	3.22713E-05	9.51758E-05	6.91402E-05	**6643**	0.000106283
0.000105101	0.000110811	3.28328E-05	9.20967E-05	6.22759E-05	0.000102647	0.00010813	3.26124E-05	9.20967E-05	5.84809E-05	**6644**	0.000105063
0.000100649	0.000106123	3.13729E-05	8.55717E-05	5.33783E-05	9.70624E-05	0.000102235	3.09915E-05	8.55717E-05	5.0818E-05	**6645**	0.00010073
9.34609E-05	9.86072E-05	2.83258E-05	7.781E-05	4.69911E-05	8.94902E-05	9.42995E-05	2.80632E-05	7.781E-05	4.57459E-05	**6646**	9.35753E-05
8.32092E-05	8.78424E-05	2.45685E-05	7.01983E-05	4.59145E-05	8.02301E-05	8.45841E-05	2.46175E-05	7.01983E-05	4.4656E-05	**6647**	8.33062E-05
7.56617E-05	7.9976E-05	2.10574E-05	6.58109E-05	4.54191E-05	7.41262E-05	7.8237E-05	2.16206E-05	6.58109E-05	4.41589E-05	**6648**	7.56606E-05
6.62264E-05	7.01029E-05	1.71621E-05	5.90361E-05	4.54031E-05	6.57933E-05	6.95275E-05	1.80982E-05	5.90361E-05	4.41496E-05	**6649**	6.61151E-05
6.42753E-05	6.80931E-05	1.59544E-05	5.84746E-05	4.61466E-05	6.45421E-05	6.82524E-05	1.7152E-05	5.84746E-05	4.49225E-05	**6650**	6.41118E-05
6.52634E-05	6.91564E-05	1.59912E-05	6.05649E-05	4.8087E-05	6.61375E-05	6.99516E-05	1.74215E-05	6.05649E-05	4.69236E-05	**6651**	6.51395E-05
6.92122E-05	7.3343E-05	1.69303E-05	6.52394E-05	5.10029E-05	7.06238E-05	7.46979E-05	1.85879E-05	6.52394E-05	4.99151E-05	**6652**	6.91199E-05
7.65277E-05	8.10769E-05	1.89494E-05	7.23907E-05	5.48268E-05	7.81687E-05	8.26646E-05	2.07448E-05	7.23907E-05	5.38196E-05	**6653**	7.64302E-05
8.35052E-05	8.84373E-05	2.10822E-05	7.84866E-05	5.55435E-05	8.49833E-05	8.98467E-05	2.2865E-05	7.84866E-05	5.45056E-05	**6654**	8.33912E-05
8.47567E-05	8.96542E-05	2.27701E-05	8.11105E-05	0.000101517	8.66965E-05	9.15736E-05	2.44036E-05	8.11105E-05	9.29674E-05	**6655**	8.47478E-05
7.94173E-05	8.39142E-05	2.25021E-05	7.79115E-05	0.000100417	8.19313E-05	8.64684E-05	2.39811E-05	7.79115E-05	9.17867E-05	**6656**	7.95388E-05
7.49741E-05	7.91872E-05	2.16513E-05	7.284E-05	0.000100906	7.69346E-05	8.11664E-05	2.28839E-05	7.284E-05	9.22535E-05	**6657**	7.51314E-05
7.35618E-05	7.7671E-05	2.15527E-05	7.07016E-05	0.000101242	7.50652E-05	7.91729E-05	2.26001E-05	7.07016E-05	9.25672E-05	**6658**	7.37277E-05
7.25644E-05	7.66023E-05	2.14572E-05	6.88787E-05	0.000102015	7.36016E-05	7.76162E-05	2.2324E-05	6.88787E-05	9.33363E-05	**6659**	7.27011E-05
7.19407E-05	7.59546E-05	2.11371E-05	6.84801E-05	9.53494E-05	7.30856E-05	7.70818E-05	2.20436E-05	6.84801E-05	8.79301E-05	**6660**	7.20581E-05
7.34004E-05	7.75091E-05	2.13969E-05	6.97348E-05	9.50353E-05	7.45358E-05	7.86241E-05	2.23175E-05	6.97348E-05	8.76031E-05	**6661**	7.34634E-05
7.4766E-05	7.89798E-05	2.14332E-05	7.13694E-05	9.33751E-05	7.61489E-05	8.03519E-05	2.24667E-05	7.13694E-05	8.59058E-05	**6662**	7.47657E-05
7.80794E-05	8.25009E-05	2.21181E-05	7.48491E-05	9.79042E-05	7.97226E-05	8.41417E-05	2.32792E-05	7.48491E-05	8.91115E-05	**6663**	7.80382E-05
8.43342E-05	8.91256E-05	2.3691E-05	8.06527E-05	9.47903E-05	8.60544E-05	9.08397E-05	2.49344E-05	8.06527E-05	8.59281E-05	**6664**	8.42197E-05
9.22181E-05	9.74869E-05	2.5534E-05	8.71613E-05	9.23225E-05	9.36788E-05	9.8918E-05	2.6761E-05	8.71613E-05	8.34197E-05	**6665**	9.19011E-05
9.99038E-05	0.000105553	2.84047E-05	9.21933E-05	9.08702E-05	0.000100292	0.000105851	2.9279E-05	9.21933E-05	8.19513E-05	**6666**	9.95525E-05
0.00010647	0.00011235	3.2048E-05	9.51758E-05	7.55385E-05	0.000105098	0.0001108	3.22713E-05	9.51758E-05	6.91402E-05	**6667**	0.000106283
0.000105101	0.000110811	3.28328E-05	9.20967E-05	6.22759E-05	0.000102647	0.00010813	3.26124E-05	9.20967E-05	5.84809E-05	**6668**	0.000105063
0.000100649	0.000106123	3.13729E-05	8.55717E-05	5.33783E-05	9.70624E-05	0.000102235	3.09915E-05	8.55717E-05	5.0818E-05	**6669**	0.00010073
9.34609E-05	9.86072E-05	2.83258E-05	7.781E-05	4.69911E-05	8.94902E-05	9.42995E-05	2.80632E-05	7.781E-05	4.57459E-05	**6670**	9.35753E-05
8.32092E-05	8.78424E-05	2.45685E-05	7.01983E-05	4.59145E-05	8.02301E-05	8.45841E-05	2.46175E-05	7.01983E-05	4.4656E-05	**6671**	8.33062E-05
7.56617E-05	7.9976E-05	2.10574E-05	6.58109E-05	4.54191E-05	7.41262E-05	7.8237E-05	2.16206E-05	6.58109E-05	4.41589E-05	**6672**	7.56606E-05
6.62264E-05	7.01029E-05	1.71621E-05	5.90361E-05	4.54031E-05	6.57933E-05	6.95275E-05	1.80982E-05	5.90361E-05	4.41496E-05	**6673**	6.61151E-05
6.42753E-05	6.80931E-05	1.59544E-05	5.84746E-05	4.61466E-05	6.45421E-05	6.82524E-05	1.7152E-05	5.84746E-05	4.49225E-05	**6674**	6.41118E-05
6.52634E-05	6.91564E-05	1.59912E-05	6.05649E-05	4.8087E-05	6.61375E-05	6.99516E-05	1.74215E-05	6.05649E-05	4.69236E-05	**6675**	6.51395E-05
6.92122E-05	7.3343E-05	1.69303E-05	6.52394E-05	5.10029E-05	7.06238E-05	7.46979E-05	1.85879E-05	6.52394E-05	4.99151E-05	**6676**	6.91199E-05
7.65277E-05	8.10769E-05	1.89494E-05	7.23907E-05	5.48268E-05	7.81687E-05	8.26646E-05	2.07448E-05	7.23907E-05	5.38196E-05	**6677**	7.64302E-05
8.35052E-05	8.84373E-05	2.10822E-05	7.84866E-05	5.55435E-05	8.49833E-05	8.98467E-05	2.2865E-05	7.84866E-05	5.45056E-05	**6678**	8.33912E-05
8.47567E-05	8.96542E-05	2.27701E-05	8.11105E-05	0.000101517	8.66965E-05	9.15736E-05	2.44036E-05	8.11105E-05	9.29674E-05	**6679**	8.47478E-05

7.94173E-05	8.39142E-05	2.25021E-05	7.79115E-05	0.000100417	8.19313E-05	8.64684E-05	2.39811E-05	7.79115E-05	9.17867E-05	**6680**	7.95388E-05
7.49741E-05	7.91872E-05	2.16513E-05	7.284E-05	0.000100906	7.69346E-05	8.11664E-05	2.28839E-05	7.284E-05	9.22535E-05	**6681**	7.51314E-05
7.35618E-05	7.7671E-05	2.15527E-05	7.07016E-05	0.000101242	7.50652E-05	7.91729E-05	2.26001E-05	7.07016E-05	9.25672E-05	**6682**	7.37277E-05
7.25644E-05	7.66023E-05	2.14572E-05	6.88787E-05	0.000102015	7.36016E-05	7.76162E-05	2.2324E-05	6.88787E-05	9.33363E-05	**6683**	7.27011E-05
7.19407E-05	7.59546E-05	2.11371E-05	6.84801E-05	9.53494E-05	7.30856E-05	7.70818E-05	2.20436E-05	6.84801E-05	8.79301E-05	**6684**	7.20581E-05
7.34004E-05	7.75091E-05	2.13969E-05	6.97348E-05	9.50353E-05	7.45358E-05	7.86241E-05	2.23175E-05	6.97348E-05	8.76031E-05	**6685**	7.34634E-05
7.4766E-05	7.89798E-05	2.14332E-05	7.13694E-05	9.33751E-05	7.61489E-05	8.03519E-05	2.24667E-05	7.13694E-05	8.59058E-05	**6686**	7.47657E-05
7.80794E-05	8.25009E-05	2.21181E-05	7.48491E-05	9.79042E-05	7.97226E-05	8.41417E-05	2.32792E-05	7.48491E-05	8.91115E-05	**6687**	7.80382E-05
8.43342E-05	8.91256E-05	2.3691E-05	8.06527E-05	9.47903E-05	8.60544E-05	9.08397E-05	2.49344E-05	8.06527E-05	8.59281E-05	**6688**	8.42197E-05
9.22181E-05	9.74869E-05	2.5534E-05	8.71613E-05	9.23225E-05	9.36788E-05	9.8918E-05	2.6761E-05	8.71613E-05	8.34197E-05	**6689**	9.19011E-05
9.99038E-05	0.000105553	2.84047E-05	9.21933E-05	9.08702E-05	0.000100292	0.000105851	2.9279E-05	9.21933E-05	8.19513E-05	**6690**	9.95525E-05
0.00010647	0.00011235	3.2048E-05	9.51758E-05	7.55385E-05	0.000105098	0.0001108	3.22713E-05	9.51758E-05	6.91402E-05	**6691**	0.000106283
0.000105101	0.000110811	3.28328E-05	9.20967E-05	6.22759E-05	0.000102647	0.00010813	3.26124E-05	9.20967E-05	5.84809E-05	**6692**	0.000105063
0.000100649	0.000106123	3.13729E-05	8.55717E-05	5.33783E-05	9.70624E-05	0.000102235	3.09915E-05	8.55717E-05	5.0818E-05	**6693**	0.00010073
9.34609E-05	9.86072E-05	2.83258E-05	7.781E-05	4.69911E-05	8.94902E-05	9.42995E-05	2.80632E-05	7.781E-05	4.57459E-05	**6694**	9.35753E-05
8.32092E-05	8.78424E-05	2.45685E-05	7.01983E-05	4.59145E-05	8.02301E-05	8.45841E-05	2.46175E-05	7.01983E-05	4.4656E-05	**6695**	8.33062E-05
7.56617E-05	7.9976E-05	2.10574E-05	6.58109E-05	4.54191E-05	7.41262E-05	7.8237E-05	2.16206E-05	6.58109E-05	4.41589E-05	**6696**	7.56606E-05
6.62264E-05	7.01029E-05	1.71621E-05	5.90361E-05	4.54031E-05	6.57933E-05	6.95275E-05	1.80982E-05	5.90361E-05	4.41496E-05	**6697**	6.61151E-05
6.42753E-05	6.80931E-05	1.59544E-05	5.84746E-05	4.61466E-05	6.45421E-05	6.82524E-05	1.7152E-05	5.84746E-05	4.49225E-05	**6698**	6.41118E-05
6.52634E-05	6.91564E-05	1.59912E-05	6.05649E-05	4.8087E-05	6.61375E-05	6.99516E-05	1.74215E-05	6.05649E-05	4.69236E-05	**6699**	6.51395E-05
6.92122E-05	7.3343E-05	1.69303E-05	6.52394E-05	5.10029E-05	7.06238E-05	7.46979E-05	1.85879E-05	6.52394E-05	4.99151E-05	**6700**	6.91199E-05
7.65277E-05	8.10769E-05	1.89494E-05	7.23907E-05	5.48268E-05	7.81687E-05	8.26646E-05	2.07448E-05	7.23907E-05	5.38196E-05	**6701**	7.64302E-05
8.35052E-05	8.84373E-05	2.10822E-05	7.84866E-05	5.55435E-05	8.49833E-05	8.98467E-05	2.2865E-05	7.84866E-05	5.45056E-05	**6702**	8.33912E-05
8.47567E-05	8.96542E-05	2.27701E-05	8.11105E-05	0.000101517	8.66965E-05	9.15736E-05	2.44036E-05	8.11105E-05	9.29674E-05	**6703**	8.47478E-05
7.94173E-05	8.39142E-05	2.25021E-05	7.79115E-05	0.000100417	8.19313E-05	8.64684E-05	2.39811E-05	7.79115E-05	9.17867E-05	**6704**	7.95388E-05
7.49741E-05	7.91872E-05	2.16513E-05	7.284E-05	0.000100906	7.69346E-05	8.11664E-05	2.28839E-05	7.284E-05	9.22535E-05	**6705**	7.51314E-05
7.35618E-05	7.7671E-05	2.15527E-05	7.07016E-05	0.000101242	7.50652E-05	7.91729E-05	2.26001E-05	7.07016E-05	9.25672E-05	**6706**	7.37277E-05
7.25644E-05	7.66023E-05	2.14572E-05	6.88787E-05	0.000102015	7.36016E-05	7.76162E-05	2.2324E-05	6.88787E-05	9.33363E-05	**6707**	7.27011E-05
7.19407E-05	7.59546E-05	2.11371E-05	6.84801E-05	9.53494E-05	7.30856E-05	7.70818E-05	2.20436E-05	6.84801E-05	8.79301E-05	**6708**	7.20581E-05
7.34004E-05	7.75091E-05	2.13969E-05	6.97348E-05	9.50353E-05	7.45358E-05	7.86241E-05	2.23175E-05	6.97348E-05	8.76031E-05	**6709**	7.34634E-05
7.4766E-05	7.89798E-05	2.14332E-05	7.13694E-05	9.33751E-05	7.61489E-05	8.03519E-05	2.24667E-05	7.13694E-05	8.59058E-05	**6710**	7.47657E-05
7.80794E-05	8.25009E-05	2.21181E-05	7.48491E-05	9.79042E-05	7.97226E-05	8.41417E-05	2.32792E-05	7.48491E-05	8.91115E-05	**6711**	7.80382E-05
8.43342E-05	8.91256E-05	2.3691E-05	8.06527E-05	9.47903E-05	8.60544E-05	9.08397E-05	2.49344E-05	8.06527E-05	8.59281E-05	**6712**	8.42197E-05
9.22181E-05	9.74869E-05	2.5534E-05	8.71613E-05	9.23225E-05	9.36788E-05	9.8918E-05	2.6761E-05	8.71613E-05	8.34197E-05	**6713**	9.19011E-05
9.99038E-05	0.000105553	2.84047E-05	9.21933E-05	9.08702E-05	0.000100292	0.000105851	2.9279E-05	9.21933E-05	8.19513E-05	**6714**	9.95525E-05
0.00010647	0.00011235	3.2048E-05	9.51758E-05	7.55385E-05	0.000105098	0.0001108	3.22713E-05	9.51758E-05	6.91402E-05	**6715**	0.000106283
0.000105101	0.000110811	3.28328E-05	9.20967E-05	6.22759E-05	0.000102647	0.00010813	3.26124E-05	9.20967E-05	5.84809E-05	**6716**	0.000105063
0.000100649	0.000106123	3.13729E-05	8.55717E-05	5.33783E-05	9.70624E-05	0.000102235	3.09915E-05	8.55717E-05	5.0818E-05	**6717**	0.00010073
9.34609E-05	9.86072E-05	2.83258E-05	7.781E-05	4.69911E-05	8.94902E-05	9.42995E-05	2.80632E-05	7.781E-05	4.57459E-05	**6718**	9.35753E-05
8.32092E-05	8.78424E-05	2.45685E-05	7.01983E-05	4.59145E-05	8.02301E-05	8.45841E-05	2.46175E-05	7.01983E-05	4.4656E-05	**6719**	8.33062E-05
7.56617E-05	7.9976E-05	2.10574E-05	6.58109E-05	4.54191E-05	7.41262E-05	7.8237E-05	2.16206E-05	6.58109E-05	4.41589E-05	**6720**	7.56606E-05
6.62264E-05	7.01029E-05	1.71621E-05	5.90361E-05	4.54031E-05	6.57933E-05	6.95275E-05	1.80982E-05	5.90361E-05	4.41496E-05	**6721**	6.61151E-05
6.42753E-05	6.80931E-05	1.59544E-05	5.84746E-05	4.61466E-05	6.45421E-05	6.82524E-05	1.7152E-05	5.84746E-05	4.49225E-05	**6722**	6.41118E-05
6.52634E-05	6.91564E-05	1.59912E-05	6.05649E-05	4.8087E-05	6.61375E-05	6.99516E-05	1.74215E-05	6.05649E-05	4.69236E-05	**6723**	6.51395E-05
6.92122E-05	7.3343E-05	1.69303E-05	6.52394E-05	5.10029E-05	7.06238E-05	7.46979E-05	1.85879E-05	6.52394E-05	4.99151E-05	**6724**	6.91199E-05
7.65277E-05	8.10769E-05	1.89494E-05	7.23907E-05	5.48268E-05	7.81687E-05	8.26646E-05	2.07448E-05	7.23907E-05	5.38196E-05	**6725**	7.64302E-05
8.35052E-05	8.84373E-05	2.10822E-05	7.84866E-05	5.55435E-05	8.49833E-05	8.98467E-05	2.2865E-05	7.84866E-05	5.45056E-05	**6726**	8.33912E-05
8.47567E-05	8.96542E-05	2.27701E-05	8.11105E-05	0.000101517	8.66965E-05	9.15736E-05	2.44036E-05	8.11105E-05	9.29674E-05	**6727**	8.47478E-05
7.94173E-05	8.39142E-05	2.25021E-05	7.79115E-05	0.000100417	8.19313E-05	8.64684E-05	2.39811E-05	7.79115E-05	9.17867E-05	**6728**	7.95388E-05
7.49741E-05	7.91872E-05	2.16513E-05	7.284E-05	0.000100906	7.69346E-05	8.11664E-05	2.28839E-05	7.284E-05	9.22535E-05	**6729**	7.51314E-05
7.35618E-05	7.7671E-05	2.15527E-05	7.07016E-05	0.000101242	7.50652E-05	7.91729E-05	2.26001E-05	7.07016E-05	9.25672E-05	**6730**	7.37277E-05
7.25644E-05	7.66023E-05	2.14572E-05	6.88787E-05	0.000102015	7.36016E-05	7.76162E-05	2.2324E-05	6.88787E-05	9.33363E-05	**6731**	7.27011E-05
7.19407E-05	7.59546E-05	2.11371E-05	6.84801E-05	9.53494E-05	7.30856E-05	7.70818E-05	2.20436E-05	6.84801E-05	8.79301E-05	**6732**	7.20581E-05
7.34004E-05	7.75091E-05	2.13969E-05	6.97348E-05	9.50353E-05	7.45358E-05	7.86241E-05	2.23175E-05	6.97348E-05	8.76031E-05	**6733**	7.34634E-05
7.4766E-05	7.89798E-05	2.14332E-05	7.13694E-05	9.33751E-05	7.61489E-05	8.03519E-05	2.24667E-05	7.13694E-05	8.59058E-05	**6734**	7.47657E-05
7.80794E-05	8.25009E-05	2.21181E-05	7.48491E-05	9.79042E-05	7.97226E-05	8.41417E-05	2.32792E-05	7.48491E-05	8.91115E-05	**6735**	7.80382E-05
8.43342E-05	8.91256E-05	2.3691E-05	8.06527E-05	9.47903E-05	8.60544E-05	9.08397E-05	2.49344E-05	8.06527E-05	8.59281E-05	**6736**	8.42197E-05
9.22181E-05	9.74869E-05	2.5534E-05	8.71613E-05	9.23225E-05	9.36788E-05	9.8918E-05	2.6761E-05	8.71613E-05	8.34197E-05	**6737**	9.19011E-05
9.99038E-05	0.000105553	2.84047E-05	9.21933E-05	9.08702E-05	0.000100292	0.000105851	2.9279E-05	9.21933E-05	8.19513E-05	**6738**	9.95525E-05
0.00010647	0.00011235	3.2048E-05	9.51758E-05	7.55385E-05	0.000105098	0.0001108	3.22713E-05	9.51758E-05	6.91402E-05	**6739**	0.000106283
0.000105101	0.000110811	3.28328E-05	9.20967E-05	6.22759E-05	0.000102647	0.00010813	3.26124E-05	9.20967E-05	5.84809E-05	**6740**	0.000105063
0.000100649	0.000106123	3.13729E-05	8.55717E-05	5.33783E-05	9.70624E-05	0.000102235	3.09915E-05	8.55717E-05	5.0818E-05	**6741**	0.00010073
9.34609E-05	9.86072E-05	2.83258E-05	7.781E-05	4.69911E-05	8.94902E-05	9.42995E-05	2.80632E-05	7.781E-05	4.57459E-05	**6742**	9.35753E-05
8.32092E-05	8.78424E-05	2.45685E-05	7.01983E-05	4.59145E-05	8.02301E-05	8.45841E-05	2.46175E-05	7.01983E-05	4.4656E-05	**6743**	8.33062E-05
7.56617E-05	7.9976E-05	2.10574E-05	6.58109E-05	4.54191E-05	7.41262E-05	7.8237E-05	2.16206E-05	6.58109E-05	4.41589E-05	**6744**	7.56606E-05
6.61063E-05	6.99751E-05	1.71407E-05	5.89484E-05	4.56677E-05	6.56814E-05	6.94084E-05	1.80782E-05	5.89484E-05	4.44113E-05	**6745**	6.60009E-05
6.42819E-05	6.80999E-05	1.59598E-05	5.85012E-05	4.64562E-05	6.45578E-05	6.82687E-05	1.71605E-05	5.85012E-05	4.52298E-05	**6746**	6.41212E-05
6.52152E-05	6.91056E-05	1.59757E-05	6.04938E-05	4.84003E-05	6.60768E-05	6.98878E-05	1.74013E-05	6.04938E-05	4.72351E-05	**6747**	6.50885E-05
6.91939E-05	7.33241E-05	1.692E-05	6.51897E-05	5.1376E-05	7.05908E-05	7.46635E-05	1.85725E-05	6.51897E-05	5.02892E-05	**6748**	6.90974E-05
7.647E-05	8.10171E-05	1.89199E-05	7.22491E-05	5.51938E-05	7.80713E-05	8.2563E-05	2.07014E-05	7.22491E-05	5.41883E-05	**6749**	7.63612E-05
8.34627E-05	8.83928E-05	2.10636E-05	7.83985E-05	5.59176E-05	8.49186E-05	8.9779E-05	2.28386E-05	7.83985E-05	5.48825E-05	**6750**	8.33426E-05
8.6385E-05	9.14027E-05	2.2877E-05	8.14515E-05	0.000101792	8.78429E-05	9.2801E-05	2.45153E-05	8.14515E-05	9.32466E-05	**6751**	8.63807E-05
7.99664E-05	8.44954E-05	2.26447E-05	7.85447E-05	0.000100634	8.2545E-05	8.71168E-05	2.41513E-05	7.85447E-05	9.2008E-05	**6752**	8.0094E-05
7.61022E-05	8.03807E-05	2.1951E-05	7.41752E-05	0.000100973	7.82104E-05	8.25138E-05	2.3245E-05	7.41752E-05	9.23241E-05	**6753**	7.62768E-05
7.47525E-05	7.89309E-05	2.18686E-05	7.21087E-05	0.000101236	7.64108E-05	8.05941E-05	2.29805E-05	7.21087E-05	9.25666E-05	**6754**	7.49364E-05
7.36446E-05	7.77453E-05	2.17439E-05	7.01561E-05	0.000101934	7.48228E-05	7.8906E-05	2.26695E-05	7.01561E-05	9.32623E-05	**6755**	7.37978E-05

7.28728E-05	7.69424E-05	2.13649E-05	6.94809E-05	9.52863E-05	7.40949E-05	7.81495E-05	2.23072E-05	6.94809E-05	8.78745E-05	**6756**	7.299E-05
7.4171E-05	7.83264E-05	2.15772E-05	7.05205E-05	9.49709E-05	7.53519E-05	7.94882E-05	2.25213E-05	7.05205E-05	8.75476E-05	**6757**	7.42279E-05
7.54382E-05	7.96925E-05	2.15928E-05	7.20668E-05	9.32612E-05	7.68661E-05	8.1111E-05	2.26485E-05	7.20668E-05	8.57993E-05	**6758**	7.54342E-05
7.89383E-05	8.34113E-05	2.23255E-05	7.5758E-05	9.77453E-05	8.06467E-05	8.51195E-05	2.35176E-05	7.5758E-05	8.89578E-05	**6759**	7.88949E-05
8.52141E-05	9.00581E-05	2.39063E-05	8.15985E-05	9.4621E-05	8.70076E-05	9.1848E-05	2.51836E-05	8.15985E-05	8.57625E-05	**6760**	8.50995E-05
9.29021E-05	9.82117E-05	2.56993E-05	8.7886E-05	9.21692E-05	9.44151E-05	9.9697E-05	2.69511E-05	8.7886E-05	8.32697E-05	**6761**	9.25834E-05
0.000100482	0.000106166	2.85478E-05	9.28232E-05	9.07331E-05	0.000100922	0.000106518	2.94456E-05	9.28232E-05	8.18169E-05	**6762**	0.000100132
0.000106819	0.000112719	3.21395E-05	9.55826E-05	7.54491E-05	0.00010549	0.000111214	3.23809E-05	9.55826E-05	6.90536E-05	**6763**	0.000106636
0.000105633	0.000111374	3.29668E-05	9.26886E-05	6.21708E-05	0.000103232	0.000108748	3.27699E-05	9.26886E-05	5.83783E-05	**6764**	0.000105597
9.97041E-05	0.000105098	3.14408E-05	8.60048E-05	5.32273E-05	9.66735E-05	0.000101808	3.10868E-05	8.60048E-05	5.06693E-05	**6765**	9.97861E-05
9.40188E-05	9.91976E-05	2.84728E-05	7.84641E-05	4.6845E-05	9.01184E-05	9.49631E-05	2.82397E-05	7.84641E-05	4.56028E-05	**6766**	9.41409E-05
8.38206E-05	8.84899E-05	2.47228E-05	7.08798E-05	4.57652E-05	8.0903E-05	8.52956E-05	2.4799E-05	7.08798E-05	4.45098E-05	**6767**	8.3921E-05
7.61326E-05	8.04746E-05	2.1178E-05	6.63447E-05	4.51943E-05	7.46484E-05	7.87889E-05	2.17634E-05	6.63447E-05	4.39379E-05	**6768**	7.61353E-05
6.61063E-05	6.99751E-05	1.71407E-05	5.89484E-05	4.56677E-05	6.56814E-05	6.94084E-05	1.80782E-05	5.89484E-05	4.44113E-05	**6769**	6.60009E-05
6.42819E-05	6.80999E-05	1.59598E-05	5.85012E-05	4.64562E-05	6.45578E-05	6.82687E-05	1.71605E-05	5.85012E-05	4.52298E-05	**6770**	6.41212E-05
6.52152E-05	6.91056E-05	1.59757E-05	6.04938E-05	4.84003E-05	6.60768E-05	6.98878E-05	1.74013E-05	6.04938E-05	4.72351E-05	**6771**	6.50885E-05
6.91939E-05	7.33241E-05	1.692E-05	6.51897E-05	5.1376E-05	7.05908E-05	7.46635E-05	1.85725E-05	6.51897E-05	5.02892E-05	**6772**	6.90974E-05
7.647E-05	8.10171E-05	1.89199E-05	7.22491E-05	5.51938E-05	7.80713E-05	8.2563E-05	2.07014E-05	7.22491E-05	5.41883E-05	**6773**	7.63612E-05
8.34627E-05	8.83928E-05	2.10636E-05	7.83985E-05	5.59176E-05	8.49186E-05	8.9779E-05	2.28386E-05	7.83985E-05	5.48825E-05	**6774**	8.33426E-05
8.6385E-05	9.14027E-05	2.2877E-05	8.14515E-05	0.000101792	8.78429E-05	9.2801E-05	2.45153E-05	8.14515E-05	9.32466E-05	**6775**	8.63807E-05
7.99664E-05	8.44954E-05	2.26447E-05	7.85447E-05	0.000100634	8.2545E-05	8.71168E-05	2.41513E-05	7.85447E-05	9.2008E-05	**6776**	8.0094E-05
7.61022E-05	8.03807E-05	2.1951E-05	7.41752E-05	0.000100973	7.82104E-05	8.25138E-05	2.3245E-05	7.41752E-05	9.23241E-05	**6777**	7.62768E-05
7.47525E-05	7.89309E-05	2.18686E-05	7.21087E-05	0.000101236	7.64108E-05	8.05941E-05	2.29805E-05	7.21087E-05	9.25666E-05	**6778**	7.49364E-05
7.36446E-05	7.77453E-05	2.17439E-05	7.01561E-05	0.000101934	7.48228E-05	7.8906E-05	2.26695E-05	7.01561E-05	9.32623E-05	**6779**	7.37978E-05
7.28728E-05	7.69424E-05	2.13649E-05	6.94809E-05	9.52863E-05	7.40949E-05	7.81495E-05	2.23072E-05	6.94809E-05	8.78745E-05	**6780**	7.299E-05
7.4171E-05	7.83264E-05	2.15772E-05	7.05205E-05	9.49709E-05	7.53519E-05	7.94882E-05	2.25213E-05	7.05205E-05	8.75476E-05	**6781**	7.42279E-05
7.54382E-05	7.96925E-05	2.15928E-05	7.20668E-05	9.32612E-05	7.68661E-05	8.1111E-05	2.26485E-05	7.20668E-05	8.57993E-05	**6782**	7.54342E-05
7.89383E-05	8.34113E-05	2.23255E-05	7.5758E-05	9.77453E-05	8.06467E-05	8.51195E-05	2.35176E-05	7.5758E-05	8.89578E-05	**6783**	7.88949E-05
8.52141E-05	9.00581E-05	2.39063E-05	8.15985E-05	9.4621E-05	8.70076E-05	9.1848E-05	2.51836E-05	8.15985E-05	8.57625E-05	**6784**	8.50995E-05
9.29021E-05	9.82117E-05	2.56993E-05	8.7886E-05	9.21692E-05	9.44151E-05	9.9697E-05	2.69511E-05	8.7886E-05	8.32697E-05	**6785**	9.25834E-05
0.000100482	0.000106166	2.85478E-05	9.28232E-05	9.07331E-05	0.000100922	0.000106518	2.94456E-05	9.28232E-05	8.18169E-05	**6786**	0.000100132
0.000106819	0.000112719	3.21395E-05	9.55826E-05	7.54491E-05	0.00010549	0.000111214	3.23809E-05	9.55826E-05	6.90536E-05	**6787**	0.000106636
0.000105633	0.000111374	3.29668E-05	9.26886E-05	6.21708E-05	0.000103232	0.000108748	3.27699E-05	9.26886E-05	5.83783E-05	**6788**	0.000105597
9.97041E-05	0.000105098	3.14408E-05	8.60048E-05	5.32273E-05	9.66735E-05	0.000101808	3.10868E-05	8.60048E-05	5.06693E-05	**6789**	9.97861E-05
9.40188E-05	9.91976E-05	2.84728E-05	7.84641E-05	4.6845E-05	9.01184E-05	9.49631E-05	2.82397E-05	7.84641E-05	4.56028E-05	**6790**	9.41409E-05
8.38206E-05	8.84899E-05	2.47228E-05	7.08798E-05	4.57652E-05	8.0903E-05	8.52956E-05	2.4799E-05	7.08798E-05	4.45098E-05	**6791**	8.3921E-05
7.61326E-05	8.04746E-05	2.1178E-05	6.63447E-05	4.51943E-05	7.46484E-05	7.87889E-05	2.17634E-05	6.63447E-05	4.39379E-05	**6792**	7.61353E-05
6.62264E-05	7.01029E-05	1.71621E-05	5.90361E-05	4.54031E-05	6.57933E-05	6.95275E-05	1.80982E-05	5.90361E-05	4.41496E-05	**6793**	6.61151E-05
6.42753E-05	6.80931E-05	1.59544E-05	5.84746E-05	4.61466E-05	6.45421E-05	6.82524E-05	1.7152E-05	5.84746E-05	4.49225E-05	**6794**	6.41118E-05
6.52634E-05	6.91564E-05	1.59912E-05	6.05649E-05	4.8087E-05	6.61375E-05	6.99516E-05	1.74215E-05	6.05649E-05	4.69236E-05	**6795**	6.51395E-05
6.92122E-05	7.3343E-05	1.69303E-05	6.52394E-05	5.10029E-05	7.06238E-05	7.46979E-05	1.85879E-05	6.52394E-05	4.99151E-05	**6796**	6.91199E-05
7.65277E-05	8.10769E-05	1.89494E-05	7.23907E-05	5.48268E-05	7.81687E-05	8.26646E-05	2.07448E-05	7.23907E-05	5.38196E-05	**6797**	7.64302E-05
8.35052E-05	8.84373E-05	2.10822E-05	7.84866E-05	5.55435E-05	8.49833E-05	8.98467E-05	2.2865E-05	7.84866E-05	5.45056E-05	**6798**	8.33912E-05
8.47567E-05	8.96542E-05	2.27701E-05	8.11105E-05	0.000101517	8.66965E-05	9.15736E-05	2.44036E-05	8.11105E-05	9.29674E-05	**6799**	8.47478E-05
7.94173E-05	8.39142E-05	2.25021E-05	7.79115E-05	0.000100417	8.19313E-05	8.64684E-05	2.39811E-05	7.79115E-05	9.17867E-05	**6800**	7.95388E-05
7.49741E-05	7.91872E-05	2.16513E-05	7.284E-05	0.000100906	7.69346E-05	8.11664E-05	2.28839E-05	7.284E-05	9.22535E-05	**6801**	7.51314E-05
7.35618E-05	7.7671E-05	2.15527E-05	7.07016E-05	0.000101242	7.50652E-05	7.91729E-05	2.26001E-05	7.07016E-05	9.25672E-05	**6802**	7.37277E-05
7.25644E-05	7.66023E-05	2.14572E-05	6.88787E-05	0.000102015	7.36016E-05	7.76162E-05	2.2324E-05	6.88787E-05	9.33363E-05	**6803**	7.27011E-05
7.19407E-05	7.59546E-05	2.11371E-05	6.84801E-05	9.53494E-05	7.30856E-05	7.70818E-05	2.20436E-05	6.84801E-05	8.79301E-05	**6804**	7.20581E-05
7.34004E-05	7.75091E-05	2.13969E-05	6.97348E-05	9.50353E-05	7.45358E-05	7.86241E-05	2.23175E-05	6.97348E-05	8.76031E-05	**6805**	7.34634E-05
7.4766E-05	7.89798E-05	2.14332E-05	7.13694E-05	9.33751E-05	7.61489E-05	8.03519E-05	2.24667E-05	7.13694E-05	8.59058E-05	**6806**	7.47657E-05
7.80794E-05	8.25009E-05	2.21181E-05	7.48491E-05	9.79042E-05	7.97226E-05	8.41417E-05	2.32792E-05	7.48491E-05	8.91115E-05	**6807**	7.80382E-05
8.43342E-05	8.91256E-05	2.3691E-05	8.06527E-05	9.47903E-05	8.60544E-05	9.08397E-05	2.49344E-05	8.06527E-05	8.59281E-05	**6808**	8.42197E-05
9.22181E-05	9.74869E-05	2.5534E-05	8.71613E-05	9.23225E-05	9.36788E-05	9.8918E-05	2.6761E-05	8.71613E-05	8.34197E-05	**6809**	9.19011E-05
9.99038E-05	0.000105553	2.84047E-05	9.21933E-05	9.08702E-05	0.000100292	0.000105851	2.9279E-05	9.21933E-05	8.19513E-05	**6810**	9.95525E-05
0.00010647	0.00011235	3.2048E-05	9.51758E-05	7.55385E-05	0.000105098	0.0001108	3.22713E-05	9.51758E-05	6.91402E-05	**6811**	0.000106283
0.000105101	0.000110811	3.28328E-05	9.20967E-05	6.22759E-05	0.000102647	0.00010813	3.26124E-05	9.20967E-05	5.84809E-05	**6812**	0.000105063
0.000100649	0.000106123	3.13729E-05	8.55717E-05	5.33783E-05	9.70624E-05	0.000102235	3.09915E-05	8.55717E-05	5.0818E-05	**6813**	0.00010073
9.34609E-05	9.86072E-05	2.83258E-05	7.781E-05	4.69911E-05	8.94902E-05	9.42995E-05	2.80632E-05	7.781E-05	4.57459E-05	**6814**	9.35753E-05
8.32092E-05	8.78424E-05	2.45685E-05	7.01983E-05	4.59145E-05	8.02301E-05	8.45841E-05	2.46175E-05	7.01983E-05	4.4656E-05	**6815**	8.33062E-05
7.56617E-05	7.9976E-05	2.10574E-05	6.58109E-05	4.54191E-05	7.41262E-05	7.8237E-05	2.16206E-05	6.58109E-05	4.41589E-05	**6816**	7.56606E-05
6.62264E-05	7.01029E-05	1.71621E-05	5.90361E-05	4.54031E-05	6.57933E-05	6.95275E-05	1.80982E-05	5.90361E-05	4.41496E-05	**6817**	6.61151E-05
6.42753E-05	6.80931E-05	1.59544E-05	5.84746E-05	4.61466E-05	6.45421E-05	6.82524E-05	1.7152E-05	5.84746E-05	4.49225E-05	**6818**	6.41118E-05
6.52634E-05	6.91564E-05	1.59912E-05	6.05649E-05	4.8087E-05	6.61375E-05	6.99516E-05	1.74215E-05	6.05649E-05	4.69236E-05	**6819**	6.51395E-05
6.92122E-05	7.3343E-05	1.69303E-05	6.52394E-05	5.10029E-05	7.06238E-05	7.46979E-05	1.85879E-05	6.52394E-05	4.99151E-05	**6820**	6.91199E-05
7.65277E-05	8.10769E-05	1.89494E-05	7.23907E-05	5.48268E-05	7.81687E-05	8.26646E-05	2.07448E-05	7.23907E-05	5.38196E-05	**6821**	7.64302E-05
8.35052E-05	8.84373E-05	2.10822E-05	7.84866E-05	5.55435E-05	8.49833E-05	8.98467E-05	2.2865E-05	7.84866E-05	5.45056E-05	**6822**	8.33912E-05
8.47567E-05	8.96542E-05	2.27701E-05	8.11105E-05	0.000101517	8.66965E-05	9.15736E-05	2.44036E-05	8.11105E-05	9.29674E-05	**6823**	8.47478E-05
7.94173E-05	8.39142E-05	2.25021E-05	7.79115E-05	0.000100417	8.19313E-05	8.64684E-05	2.39811E-05	7.79115E-05	9.17867E-05	**6824**	7.95388E-05
7.49741E-05	7.91872E-05	2.16513E-05	7.284E-05	0.000100906	7.69346E-05	8.11664E-05	2.28839E-05	7.284E-05	9.22535E-05	**6825**	7.51314E-05
7.35618E-05	7.7671E-05	2.15527E-05	7.07016E-05	0.000101242	7.50652E-05	7.91729E-05	2.26001E-05	7.07016E-05	9.25672E-05	**6826**	7.37277E-05
7.25644E-05	7.66023E-05	2.14572E-05	6.88787E-05	0.000102015	7.36016E-05	7.76162E-05	2.2324E-05	6.88787E-05	9.33363E-05	**6827**	7.27011E-05
7.19407E-05	7.59546E-05	2.11371E-05	6.84801E-05	9.53494E-05	7.30856E-05	7.70818E-05	2.20436E-05	6.84801E-05	8.79301E-05	**6828**	7.20581E-05
7.34004E-05	7.75091E-05	2.13969E-05	6.97348E-05	9.50353E-05	7.45358E-05	7.86241E-05	2.23175E-05	6.97348E-05	8.76031E-05	**6829**	7.34634E-05
7.4766E-05	7.89798E-05	2.14332E-05	7.13694E-05	9.33751E-05	7.61489E-05	8.03519E-05	2.24667E-05	7.13694E-05	8.59058E-05	**6830**	7.47657E-05
7.80794E-05	8.25009E-05	2.21181E-05	7.48491E-05	9.79042E-05	7.97226E-05	8.41417E-05	2.32792E-05	7.48491E-05	8.91115E-05	**6831**	7.80382E-05

8.43342E-05	8.91256E-05	2.3691E-05	8.06527E-05	9.47903E-05	8.60544E-05	9.08397E-05	2.49344E-05	8.06527E-05	8.59281E-05	**6832**	8.42197E-05
9.22181E-05	9.74869E-05	2.5534E-05	8.71613E-05	9.23225E-05	9.36788E-05	9.8918E-05	2.6761E-05	8.71613E-05	8.34197E-05	**6833**	9.19011E-05
9.99038E-05	0.000105553	2.84047E-05	9.21933E-05	9.08702E-05	0.000100292	0.000105851	2.9279E-05	9.21933E-05	8.19513E-05	**6834**	9.95525E-05
0.00010647	0.00011235	3.2048E-05	9.51758E-05	7.55385E-05	0.000105098	0.0001108	3.22713E-05	9.51758E-05	6.91402E-05	**6835**	0.000106283
0.000105101	0.000110811	3.28328E-05	9.20967E-05	6.22759E-05	0.000102647	0.00010813	3.26124E-05	9.20967E-05	5.84809E-05	**6836**	0.000105063
0.000100649	0.000106123	3.13729E-05	8.55717E-05	5.33783E-05	9.70624E-05	0.000102235	3.09915E-05	8.55717E-05	5.0818E-05	**6837**	0.00010073
9.34609E-05	9.86072E-05	2.83258E-05	7.781E-05	4.69911E-05	8.94902E-05	9.42995E-05	2.80632E-05	7.781E-05	4.57459E-05	**6838**	9.35753E-05
8.32092E-05	8.78424E-05	2.45685E-05	7.01983E-05	4.59145E-05	8.02301E-05	8.45841E-05	2.46175E-05	7.01983E-05	4.4656E-05	**6839**	8.33062E-05
7.56617E-05	7.9976E-05	2.10574E-05	6.58109E-05	4.54191E-05	7.41262E-05	7.8237E-05	2.16206E-05	6.58109E-05	4.41589E-05	**6840**	7.56606E-05
6.62264E-05	7.01029E-05	1.71621E-05	5.90361E-05	4.54031E-05	6.57933E-05	6.95275E-05	1.80982E-05	5.90361E-05	4.41496E-05	**6841**	6.61151E-05
6.42753E-05	6.80931E-05	1.59544E-05	5.84746E-05	4.61466E-05	6.45421E-05	6.82524E-05	1.7152E-05	5.84746E-05	4.49225E-05	**6842**	6.41118E-05
6.52634E-05	6.91564E-05	1.59912E-05	6.05649E-05	4.8087E-05	6.61375E-05	6.99516E-05	1.74215E-05	6.05649E-05	4.69236E-05	**6843**	6.51395E-05
6.92122E-05	7.3343E-05	1.69303E-05	6.52394E-05	5.10029E-05	7.06238E-05	7.46979E-05	1.85879E-05	6.52394E-05	4.99151E-05	**6844**	6.91199E-05
7.65277E-05	8.10769E-05	1.89494E-05	7.23907E-05	5.48268E-05	7.81687E-05	8.26646E-05	2.07448E-05	7.23907E-05	5.38196E-05	**6845**	7.64302E-05
8.35052E-05	8.84373E-05	2.10822E-05	7.84866E-05	5.55435E-05	8.49833E-05	8.98467E-05	2.2865E-05	7.84866E-05	5.45056E-05	**6846**	8.33912E-05
8.47567E-05	8.96542E-05	2.27701E-05	8.11105E-05	0.000101517	8.66965E-05	9.15736E-05	2.44036E-05	8.11105E-05	9.29674E-05	**6847**	8.47478E-05
7.94173E-05	8.39142E-05	2.25021E-05	7.79115E-05	0.000100417	8.19313E-05	8.64684E-05	2.39811E-05	7.79115E-05	9.17867E-05	**6848**	7.95388E-05
7.49741E-05	7.91872E-05	2.16513E-05	7.284E-05	0.000100906	7.69346E-05	8.11664E-05	2.28839E-05	7.284E-05	9.22535E-05	**6849**	7.51314E-05
7.35618E-05	7.7671E-05	2.15527E-05	7.07016E-05	0.000101242	7.50652E-05	7.91729E-05	2.26001E-05	7.07016E-05	9.25672E-05	**6850**	7.37277E-05
7.25644E-05	7.66023E-05	2.14572E-05	6.88787E-05	0.000102015	7.36016E-05	7.76162E-05	2.2324E-05	6.88787E-05	9.33363E-05	**6851**	7.27011E-05
7.19407E-05	7.59546E-05	2.11371E-05	6.84801E-05	9.53494E-05	7.30856E-05	7.70818E-05	2.20436E-05	6.84801E-05	8.79301E-05	**6852**	7.20581E-05
7.34004E-05	7.75091E-05	2.13969E-05	6.97348E-05	9.50353E-05	7.45358E-05	7.86241E-05	2.23175E-05	6.97348E-05	8.76031E-05	**6853**	7.34634E-05
7.4766E-05	7.89798E-05	2.14332E-05	7.13694E-05	9.33751E-05	7.61489E-05	8.03519E-05	2.24667E-05	7.13694E-05	8.59058E-05	**6854**	7.47657E-05
7.80794E-05	8.25009E-05	2.21181E-05	7.48491E-05	9.79042E-05	7.97226E-05	8.41417E-05	2.32792E-05	7.48491E-05	8.91115E-05	**6855**	7.80382E-05
8.43342E-05	8.91256E-05	2.3691E-05	8.06527E-05	9.47903E-05	8.60544E-05	9.08397E-05	2.49344E-05	8.06527E-05	8.59281E-05	**6856**	8.42197E-05
9.22181E-05	9.74869E-05	2.5534E-05	8.71613E-05	9.23225E-05	9.36788E-05	9.8918E-05	2.6761E-05	8.71613E-05	8.34197E-05	**6857**	9.19011E-05
9.99038E-05	0.000105553	2.84047E-05	9.21933E-05	9.08702E-05	0.000100292	0.000105851	2.9279E-05	9.21933E-05	8.19513E-05	**6858**	9.95525E-05
0.00010647	0.00011235	3.2048E-05	9.51758E-05	7.55385E-05	0.000105098	0.0001108	3.22713E-05	9.51758E-05	6.91402E-05	**6859**	0.000106283
0.000105101	0.000110811	3.28328E-05	9.20967E-05	6.22759E-05	0.000102647	0.00010813	3.26124E-05	9.20967E-05	5.84809E-05	**6860**	0.000105063
0.000100649	0.000106123	3.13729E-05	8.55717E-05	5.33783E-05	9.70624E-05	0.000102235	3.09915E-05	8.55717E-05	5.0818E-05	**6861**	0.00010073
9.34609E-05	9.86072E-05	2.83258E-05	7.781E-05	4.69911E-05	8.94902E-05	9.42995E-05	2.80632E-05	7.781E-05	4.57459E-05	**6862**	9.35753E-05
8.32092E-05	8.78424E-05	2.45685E-05	7.01983E-05	4.59145E-05	8.02301E-05	8.45841E-05	2.46175E-05	7.01983E-05	4.4656E-05	**6863**	8.33062E-05
7.56617E-05	7.9976E-05	2.10574E-05	6.58109E-05	4.54191E-05	7.41262E-05	7.8237E-05	2.16206E-05	6.58109E-05	4.41589E-05	**6864**	7.56606E-05
6.62264E-05	7.01029E-05	1.71621E-05	5.90361E-05	4.54031E-05	6.57933E-05	6.95275E-05	1.80982E-05	5.90361E-05	4.41496E-05	**6865**	6.61151E-05
6.42753E-05	6.80931E-05	1.59544E-05	5.84746E-05	4.61466E-05	6.45421E-05	6.82524E-05	1.7152E-05	5.84746E-05	4.49225E-05	**6866**	6.41118E-05
6.52634E-05	6.91564E-05	1.59912E-05	6.05649E-05	4.8087E-05	6.61375E-05	6.99516E-05	1.74215E-05	6.05649E-05	4.69236E-05	**6867**	6.51395E-05
6.92122E-05	7.3343E-05	1.69303E-05	6.52394E-05	5.10029E-05	7.06238E-05	7.46979E-05	1.85879E-05	6.52394E-05	4.99151E-05	**6868**	6.91199E-05
7.65277E-05	8.10769E-05	1.89494E-05	7.23907E-05	5.48268E-05	7.81687E-05	8.26646E-05	2.07448E-05	7.23907E-05	5.38196E-05	**6869**	7.64302E-05
8.35052E-05	8.84373E-05	2.10822E-05	7.84866E-05	5.55435E-05	8.49833E-05	8.98467E-05	2.2865E-05	7.84866E-05	5.45056E-05	**6870**	8.33912E-05
8.47567E-05	8.96542E-05	2.27701E-05	8.11105E-05	0.000101517	8.66965E-05	9.15736E-05	2.44036E-05	8.11105E-05	9.29674E-05	**6871**	8.47478E-05
7.94173E-05	8.39142E-05	2.25021E-05	7.79115E-05	0.000100417	8.19313E-05	8.64684E-05	2.39811E-05	7.79115E-05	9.17867E-05	**6872**	7.95388E-05
7.49741E-05	7.91872E-05	2.16513E-05	7.284E-05	0.000100906	7.69346E-05	8.11664E-05	2.28839E-05	7.284E-05	9.22535E-05	**6873**	7.51314E-05
7.35618E-05	7.7671E-05	2.15527E-05	7.07016E-05	0.000101242	7.50652E-05	7.91729E-05	2.26001E-05	7.07016E-05	9.25672E-05	**6874**	7.37277E-05
7.25644E-05	7.66023E-05	2.14572E-05	6.88787E-05	0.000102015	7.36016E-05	7.76162E-05	2.2324E-05	6.88787E-05	9.33363E-05	**6875**	7.27011E-05
7.19407E-05	7.59546E-05	2.11371E-05	6.84801E-05	9.53494E-05	7.30856E-05	7.70818E-05	2.20436E-05	6.84801E-05	8.79301E-05	**6876**	7.20581E-05
7.34004E-05	7.75091E-05	2.13969E-05	6.97348E-05	9.50353E-05	7.45358E-05	7.86241E-05	2.23175E-05	6.97348E-05	8.76031E-05	**6877**	7.34634E-05
7.4766E-05	7.89798E-05	2.14332E-05	7.13694E-05	9.33751E-05	7.61489E-05	8.03519E-05	2.24667E-05	7.13694E-05	8.59058E-05	**6878**	7.47657E-05
7.80794E-05	8.25009E-05	2.21181E-05	7.48491E-05	9.79042E-05	7.97226E-05	8.41417E-05	2.32792E-05	7.48491E-05	8.91115E-05	**6879**	7.80382E-05
8.43342E-05	8.91256E-05	2.3691E-05	8.06527E-05	9.47903E-05	8.60544E-05	9.08397E-05	2.49344E-05	8.06527E-05	8.59281E-05	**6880**	8.42197E-05
9.22181E-05	9.74869E-05	2.5534E-05	8.71613E-05	9.23225E-05	9.36788E-05	9.8918E-05	2.6761E-05	8.71613E-05	8.34197E-05	**6881**	9.19011E-05
9.99038E-05	0.000105553	2.84047E-05	9.21933E-05	9.08702E-05	0.000100292	0.000105851	2.9279E-05	9.21933E-05	8.19513E-05	**6882**	9.95525E-05
0.00010647	0.00011235	3.2048E-05	9.51758E-05	7.55385E-05	0.000105098	0.0001108	3.22713E-05	9.51758E-05	6.91402E-05	**6883**	0.000106283
0.000105101	0.000110811	3.28328E-05	9.20967E-05	6.22759E-05	0.000102647	0.00010813	3.26124E-05	9.20967E-05	5.84809E-05	**6884**	0.000105063
0.000100649	0.000106123	3.13729E-05	8.55717E-05	5.33783E-05	9.70624E-05	0.000102235	3.09915E-05	8.55717E-05	5.0818E-05	**6885**	0.00010073
9.34609E-05	9.86072E-05	2.83258E-05	7.781E-05	4.69911E-05	8.94902E-05	9.42995E-05	2.80632E-05	7.781E-05	4.57459E-05	**6886**	9.35753E-05
8.32092E-05	8.78424E-05	2.45685E-05	7.01983E-05	4.59145E-05	8.02301E-05	8.45841E-05	2.46175E-05	7.01983E-05	4.4656E-05	**6887**	8.33062E-05
7.56617E-05	7.9976E-05	2.10574E-05	6.58109E-05	4.54191E-05	7.41262E-05	7.8237E-05	2.16206E-05	6.58109E-05	4.41589E-05	**6888**	7.56606E-05
6.62264E-05	7.01029E-05	1.71621E-05	5.90361E-05	4.54031E-05	6.57933E-05	6.95275E-05	1.80982E-05	5.90361E-05	4.41496E-05	**6889**	6.61151E-05
6.42753E-05	6.80931E-05	1.59544E-05	5.84746E-05	4.61466E-05	6.45421E-05	6.82524E-05	1.7152E-05	5.84746E-05	4.49225E-05	**6890**	6.41118E-05
6.52634E-05	6.91564E-05	1.59912E-05	6.05649E-05	4.8087E-05	6.61375E-05	6.99516E-05	1.74215E-05	6.05649E-05	4.69236E-05	**6891**	6.51395E-05
6.92122E-05	7.3343E-05	1.69303E-05	6.52394E-05	5.10029E-05	7.06238E-05	7.46979E-05	1.85879E-05	6.52394E-05	4.99151E-05	**6892**	6.91199E-05
7.65277E-05	8.10769E-05	1.89494E-05	7.23907E-05	5.48268E-05	7.81687E-05	8.26646E-05	2.07448E-05	7.23907E-05	5.38196E-05	**6893**	7.64302E-05
8.35052E-05	8.84373E-05	2.10822E-05	7.84866E-05	5.55435E-05	8.49833E-05	8.98467E-05	2.2865E-05	7.84866E-05	5.45056E-05	**6894**	8.33912E-05
8.47567E-05	8.96542E-05	2.27701E-05	8.11105E-05	0.000101517	8.66965E-05	9.15736E-05	2.44036E-05	8.11105E-05	9.29674E-05	**6895**	8.47478E-05
7.94173E-05	8.39142E-05	2.25021E-05	7.79115E-05	0.000100417	8.19313E-05	8.64684E-05	2.39811E-05	7.79115E-05	9.17867E-05	**6896**	7.95388E-05
7.49741E-05	7.91872E-05	2.16513E-05	7.284E-05	0.000100906	7.69346E-05	8.11664E-05	2.28839E-05	7.284E-05	9.22535E-05	**6897**	7.51314E-05
7.35618E-05	7.7671E-05	2.15527E-05	7.07016E-05	0.000101242	7.50652E-05	7.91729E-05	2.26001E-05	7.07016E-05	9.25672E-05	**6898**	7.37277E-05
7.25644E-05	7.66023E-05	2.14572E-05	6.88787E-05	0.000102015	7.36016E-05	7.76162E-05	2.2324E-05	6.88787E-05	9.33363E-05	**6899**	7.27011E-05
7.19407E-05	7.59546E-05	2.11371E-05	6.84801E-05	9.53494E-05	7.30856E-05	7.70818E-05	2.20436E-05	6.84801E-05	8.79301E-05	**6900**	7.20581E-05
7.34004E-05	7.75091E-05	2.13969E-05	6.97348E-05	9.50353E-05	7.45358E-05	7.86241E-05	2.23175E-05	6.97348E-05	8.76031E-05	**6901**	7.34634E-05
7.4766E-05	7.89798E-05	2.14332E-05	7.13694E-05	9.33751E-05	7.61489E-05	8.03519E-05	2.24667E-05	7.13694E-05	8.59058E-05	**6902**	7.47657E-05
7.80794E-05	8.25009E-05	2.21181E-05	7.48491E-05	9.79042E-05	7.97226E-05	8.41417E-05	2.32792E-05	7.48491E-05	8.91115E-05	**6903**	7.80382E-05
8.43342E-05	8.91256E-05	2.3691E-05	8.06527E-05	9.47903E-05	8.60544E-05	9.08397E-05	2.49344E-05	8.06527E-05	8.59281E-05	**6904**	8.42197E-05
9.22181E-05	9.74869E-05	2.5534E-05	8.71613E-05	9.23225E-05	9.36788E-05	9.8918E-05	2.6761E-05	8.71613E-05	8.34197E-05	**6905**	9.19011E-05
9.99038E-05	0.000105553	2.84047E-05	9.21933E-05	9.08702E-05	0.000100292	0.000105851	2.9279E-05	9.21933E-05	8.19513E-05	**6906**	9.95525E-05
0.00010647	0.00011235	3.2048E-05	9.51758E-05	7.55385E-05	0.000105098	0.0001108	3.22713E-05	9.51758E-05	6.91402E-05	**6907**	0.000106283

0.000105101	0.000110811	3.28328E-05	9.20967E-05	6.22759E-05	0.000102647	0.00010813	3.26124E-05	9.20967E-05	5.84809E-05	**6908**	0.000105063
0.000100649	0.000106123	3.13729E-05	8.55717E-05	5.33783E-05	9.70624E-05	0.000102235	3.09915E-05	8.55717E-05	5.0818E-05	**6909**	0.00010073
9.34609E-05	9.86072E-05	2.83258E-05	7.781E-05	4.69911E-05	8.94902E-05	9.42995E-05	2.80632E-05	7.781E-05	4.57459E-05	**6910**	9.35753E-05
8.32092E-05	8.78424E-05	2.45685E-05	7.01983E-05	4.59145E-05	8.02301E-05	8.45841E-05	2.46175E-05	7.01983E-05	4.4656E-05	**6911**	8.33062E-05
7.56617E-05	7.9976E-05	2.10574E-05	6.58109E-05	4.54191E-05	7.41262E-05	7.8237E-05	2.16206E-05	6.58109E-05	4.41589E-05	**6912**	7.56606E-05
6.61063E-05	6.99751E-05	1.71407E-05	5.89484E-05	4.56677E-05	6.56814E-05	6.94084E-05	1.80782E-05	5.89484E-05	4.44113E-05	**6913**	6.60009E-05
6.42819E-05	6.80999E-05	1.59598E-05	5.85012E-05	4.64562E-05	6.45578E-05	6.82687E-05	1.71605E-05	5.85012E-05	4.52298E-05	**6914**	6.41212E-05
6.52152E-05	6.91056E-05	1.59757E-05	6.04938E-05	4.84003E-05	6.60768E-05	6.98878E-05	1.74013E-05	6.04938E-05	4.72351E-05	**6915**	6.50885E-05
6.91939E-05	7.33241E-05	1.692E-05	6.51897E-05	5.1376E-05	7.05908E-05	7.46635E-05	1.85725E-05	6.51897E-05	5.02892E-05	**6916**	6.90974E-05
7.647E-05	8.10171E-05	1.89199E-05	7.22491E-05	5.51938E-05	7.80713E-05	8.2563E-05	2.07014E-05	7.22491E-05	5.41883E-05	**6917**	7.63612E-05
8.34627E-05	8.83928E-05	2.10636E-05	7.83985E-05	5.59176E-05	8.49186E-05	8.9779E-05	2.28386E-05	7.83985E-05	5.48825E-05	**6918**	8.33426E-05
8.6385E-05	9.14027E-05	2.2877E-05	8.14515E-05	0.000101792	8.78429E-05	9.2801E-05	2.45153E-05	8.14515E-05	9.32466E-05	**6919**	8.63807E-05
7.99664E-05	8.44954E-05	2.26447E-05	7.85447E-05	0.000100634	8.2545E-05	8.71168E-05	2.41513E-05	7.85447E-05	9.2008E-05	**6920**	8.0094E-05
7.61022E-05	8.03807E-05	2.1951E-05	7.41752E-05	0.000100973	7.82104E-05	8.25138E-05	2.3245E-05	7.41752E-05	9.23241E-05	**6921**	7.62768E-05
7.47525E-05	7.89309E-05	2.18686E-05	7.21087E-05	0.000101236	7.64108E-05	8.05941E-05	2.29805E-05	7.21087E-05	9.25666E-05	**6922**	7.49364E-05
7.36446E-05	7.77453E-05	2.17439E-05	7.01561E-05	0.000101934	7.48228E-05	7.8906E-05	2.26695E-05	7.01561E-05	9.32623E-05	**6923**	7.37978E-05
7.28728E-05	7.69424E-05	2.13649E-05	6.94809E-05	9.52863E-05	7.40949E-05	7.81495E-05	2.23072E-05	6.94809E-05	8.78745E-05	**6924**	7.299E-05
7.4171E-05	7.83264E-05	2.15772E-05	7.05205E-05	9.49709E-05	7.53519E-05	7.94882E-05	2.25213E-05	7.05205E-05	8.75476E-05	**6925**	7.42279E-05
7.54382E-05	7.96925E-05	2.15928E-05	7.20668E-05	9.32612E-05	7.68661E-05	8.1111E-05	2.26485E-05	7.20668E-05	8.57993E-05	**6926**	7.54342E-05
7.89383E-05	8.34113E-05	2.23255E-05	7.5758E-05	9.77453E-05	8.06467E-05	8.51195E-05	2.35176E-05	7.5758E-05	8.89578E-05	**6927**	7.88949E-05
8.52141E-05	9.00581E-05	2.39063E-05	8.15985E-05	9.4621E-05	8.70076E-05	9.1848E-05	2.51836E-05	8.15985E-05	8.57625E-05	**6928**	8.50995E-05
9.29021E-05	9.82117E-05	2.56993E-05	8.7886E-05	9.21692E-05	9.44151E-05	9.9697E-05	2.69511E-05	8.7886E-05	8.32697E-05	**6929**	9.25834E-05
0.000100482	0.000106166	2.85478E-05	9.28232E-05	9.07331E-05	0.000100922	0.000106518	2.94456E-05	9.28232E-05	8.18169E-05	**6930**	0.000100132
0.000106819	0.000112719	3.21395E-05	9.55826E-05	7.54491E-05	0.00010549	0.000111214	3.23809E-05	9.55826E-05	6.90536E-05	**6931**	0.000106636
0.000105633	0.000111374	3.29668E-05	9.26886E-05	6.21708E-05	0.000103232	0.000108748	3.27699E-05	9.26886E-05	5.83783E-05	**6932**	0.000105597
9.97041E-05	0.000105098	3.14408E-05	8.60048E-05	5.32273E-05	9.66735E-05	0.000101808	3.10868E-05	8.60048E-05	5.06693E-05	**6933**	9.97861E-05
9.40188E-05	9.91976E-05	2.84728E-05	7.84641E-05	4.6845E-05	9.01184E-05	9.49631E-05	2.82397E-05	7.84641E-05	4.56028E-05	**6934**	9.41409E-05
8.38206E-05	8.84899E-05	2.47228E-05	7.08798E-05	4.57652E-05	8.0903E-05	8.52956E-05	2.4799E-05	7.08798E-05	4.45098E-05	**6935**	8.3921E-05
7.61326E-05	8.04746E-05	2.1178E-05	6.63447E-05	4.51943E-05	7.46484E-05	7.87889E-05	2.17634E-05	6.63447E-05	4.39379E-05	**6936**	7.61353E-05
6.61063E-05	6.99751E-05	1.71407E-05	5.89484E-05	4.56677E-05	6.56814E-05	6.94084E-05	1.80782E-05	5.89484E-05	4.44113E-05	**6937**	6.60009E-05
6.42819E-05	6.80999E-05	1.59598E-05	5.85012E-05	4.64562E-05	6.45578E-05	6.82687E-05	1.71605E-05	5.85012E-05	4.52298E-05	**6938**	6.41212E-05
6.52152E-05	6.91056E-05	1.59757E-05	6.04938E-05	4.84003E-05	6.60768E-05	6.98878E-05	1.74013E-05	6.04938E-05	4.72351E-05	**6939**	6.50885E-05
6.91939E-05	7.33241E-05	1.692E-05	6.51897E-05	5.1376E-05	7.05908E-05	7.46635E-05	1.85725E-05	6.51897E-05	5.02892E-05	**6940**	6.90974E-05
7.647E-05	8.10171E-05	1.89199E-05	7.22491E-05	5.51938E-05	7.80713E-05	8.2563E-05	2.07014E-05	7.22491E-05	5.41883E-05	**6941**	7.63612E-05
8.34627E-05	8.83928E-05	2.10636E-05	7.83985E-05	5.59176E-05	8.49186E-05	8.9779E-05	2.28386E-05	7.83985E-05	5.48825E-05	**6942**	8.33426E-05
8.6385E-05	9.14027E-05	2.2877E-05	8.14515E-05	0.000101792	8.78429E-05	9.2801E-05	2.45153E-05	8.14515E-05	9.32466E-05	**6943**	8.63807E-05
7.99664E-05	8.44954E-05	2.26447E-05	7.85447E-05	0.000100634	8.2545E-05	8.71168E-05	2.41513E-05	7.85447E-05	9.2008E-05	**6944**	8.0094E-05
7.61022E-05	8.03807E-05	2.1951E-05	7.41752E-05	0.000100973	7.82104E-05	8.25138E-05	2.3245E-05	7.41752E-05	9.23241E-05	**6945**	7.62768E-05
7.47525E-05	7.89309E-05	2.18686E-05	7.21087E-05	0.000101236	7.64108E-05	8.05941E-05	2.29805E-05	7.21087E-05	9.25666E-05	**6946**	7.49364E-05
7.36446E-05	7.77453E-05	2.17439E-05	7.01561E-05	0.000101934	7.48228E-05	7.8906E-05	2.26695E-05	7.01561E-05	9.32623E-05	**6947**	7.37978E-05
7.28728E-05	7.69424E-05	2.13649E-05	6.94809E-05	9.52863E-05	7.40949E-05	7.81495E-05	2.23072E-05	6.94809E-05	8.78745E-05	**6948**	7.299E-05
7.4171E-05	7.83264E-05	2.15772E-05	7.05205E-05	9.49709E-05	7.53519E-05	7.94882E-05	2.25213E-05	7.05205E-05	8.75476E-05	**6949**	7.42279E-05
7.54382E-05	7.96925E-05	2.15928E-05	7.20668E-05	9.32612E-05	7.68661E-05	8.1111E-05	2.26485E-05	7.20668E-05	8.57993E-05	**6950**	7.54342E-05
7.89383E-05	8.34113E-05	2.23255E-05	7.5758E-05	9.77453E-05	8.06467E-05	8.51195E-05	2.35176E-05	7.5758E-05	8.89578E-05	**6951**	7.88949E-05
8.52141E-05	9.00581E-05	2.39063E-05	8.15985E-05	9.4621E-05	8.70076E-05	9.1848E-05	2.51836E-05	8.15985E-05	8.57625E-05	**6952**	8.50995E-05
9.29021E-05	9.82117E-05	2.56993E-05	8.7886E-05	9.21692E-05	9.44151E-05	9.9697E-05	2.69511E-05	8.7886E-05	8.32697E-05	**6953**	9.25834E-05
0.000100482	0.000106166	2.85478E-05	9.28232E-05	9.07331E-05	0.000100922	0.000106518	2.94456E-05	9.28232E-05	8.18169E-05	**6954**	0.000100132
0.000106819	0.000112719	3.21395E-05	9.55826E-05	7.54491E-05	0.00010549	0.000111214	3.23809E-05	9.55826E-05	6.90536E-05	**6955**	0.000106636
0.000105633	0.000111374	3.29668E-05	9.26886E-05	6.21708E-05	0.000103232	0.000108748	3.27699E-05	9.26886E-05	5.83783E-05	**6956**	0.000105597
9.97041E-05	0.000105098	3.14408E-05	8.60048E-05	5.32273E-05	9.66735E-05	0.000101808	3.10868E-05	8.60048E-05	5.06693E-05	**6957**	9.97861E-05
9.40188E-05	9.91976E-05	2.84728E-05	7.84641E-05	4.6845E-05	9.01184E-05	9.49631E-05	2.82397E-05	7.84641E-05	4.56028E-05	**6958**	9.41409E-05
8.38206E-05	8.84899E-05	2.47228E-05	7.08798E-05	4.57652E-05	8.0903E-05	8.52956E-05	2.4799E-05	7.08798E-05	4.45098E-05	**6959**	8.3921E-05
7.61326E-05	8.04746E-05	2.1178E-05	6.63447E-05	4.51943E-05	7.46484E-05	7.87889E-05	2.17634E-05	6.63447E-05	4.39379E-05	**6960**	7.61353E-05
6.62264E-05	7.01029E-05	1.71621E-05	5.90361E-05	4.54031E-05	6.57933E-05	6.95275E-05	1.80982E-05	5.90361E-05	4.41496E-05	**6961**	6.61151E-05
6.42753E-05	6.80931E-05	1.59544E-05	5.84746E-05	4.61466E-05	6.45421E-05	6.82524E-05	1.7152E-05	5.84746E-05	4.49225E-05	**6962**	6.41118E-05
6.52634E-05	6.91564E-05	1.59912E-05	6.05649E-05	4.8087E-05	6.61375E-05	6.99516E-05	1.74215E-05	6.05649E-05	4.69236E-05	**6963**	6.51395E-05
6.92122E-05	7.3343E-05	1.69303E-05	6.52394E-05	5.10029E-05	7.06238E-05	7.46979E-05	1.85879E-05	6.52394E-05	4.99151E-05	**6964**	6.91199E-05
7.65277E-05	8.10769E-05	1.89494E-05	7.23907E-05	5.48268E-05	7.81687E-05	8.26646E-05	2.07448E-05	7.23907E-05	5.38196E-05	**6965**	7.64302E-05
8.35052E-05	8.84373E-05	2.10822E-05	7.84866E-05	5.55435E-05	8.49833E-05	8.98467E-05	2.2865E-05	7.84866E-05	5.45056E-05	**6966**	8.33912E-05
8.47567E-05	8.96542E-05	2.27701E-05	8.11105E-05	0.000101517	8.66965E-05	9.15736E-05	2.44036E-05	8.11105E-05	9.29674E-05	**6967**	8.47478E-05
7.94173E-05	8.39142E-05	2.25021E-05	7.79115E-05	0.000100417	8.19313E-05	8.64684E-05	2.39811E-05	7.79115E-05	9.17867E-05	**6968**	7.95388E-05
7.49741E-05	7.91872E-05	2.16513E-05	7.284E-05	0.000100906	7.69346E-05	8.11664E-05	2.28839E-05	7.284E-05	9.22535E-05	**6969**	7.51314E-05
7.35618E-05	7.7671E-05	2.15527E-05	7.07016E-05	0.000101242	7.50652E-05	7.91729E-05	2.26001E-05	7.07016E-05	9.25672E-05	**6970**	7.37277E-05
7.25644E-05	7.66023E-05	2.14572E-05	6.88787E-05	0.000102015	7.36016E-05	7.76162E-05	2.2324E-05	6.88787E-05	9.33363E-05	**6971**	7.27011E-05
7.19407E-05	7.59546E-05	2.11371E-05	6.84801E-05	9.53494E-05	7.30856E-05	7.70818E-05	2.20436E-05	6.84801E-05	8.79301E-05	**6972**	7.20581E-05
7.34004E-05	7.75091E-05	2.13969E-05	6.97348E-05	9.50353E-05	7.45358E-05	7.86241E-05	2.23175E-05	6.97348E-05	8.76031E-05	**6973**	7.34634E-05
7.4766E-05	7.89798E-05	2.14332E-05	7.13694E-05	9.33751E-05	7.61489E-05	8.03519E-05	2.24667E-05	7.13694E-05	8.59058E-05	**6974**	7.47657E-05
7.80794E-05	8.25009E-05	2.21181E-05	7.48491E-05	9.79042E-05	7.97226E-05	8.41417E-05	2.32792E-05	7.48491E-05	8.91115E-05	**6975**	7.80382E-05
8.43342E-05	8.91256E-05	2.3691E-05	8.06527E-05	9.47903E-05	8.60544E-05	9.08397E-05	2.49344E-05	8.06527E-05	8.59281E-05	**6976**	8.42197E-05
9.22181E-05	9.74869E-05	2.5534E-05	8.71613E-05	9.23225E-05	9.36788E-05	9.8918E-05	2.6761E-05	8.71613E-05	8.34197E-05	**6977**	9.19011E-05
9.99038E-05	0.000105553	2.84047E-05	9.21933E-05	9.08702E-05	0.000100292	0.000105851	2.9279E-05	9.21933E-05	8.19513E-05	**6978**	9.95525E-05
0.00010647	0.00011235	3.2048E-05	9.51758E-05	7.55385E-05	0.000105098	0.0001108	3.22713E-05	9.51758E-05	6.91402E-05	**6979**	0.000106283
0.000105101	0.000110811	3.28328E-05	9.20967E-05	6.22759E-05	0.000102647	0.00010813	3.26124E-05	9.20967E-05	5.84809E-05	**6980**	0.000105063
0.000100649	0.000106123	3.13729E-05	8.55717E-05	5.33783E-05	9.70624E-05	0.000102235	3.09915E-05	8.55717E-05	5.0818E-05	**6981**	0.00010073
9.34609E-05	9.86072E-05	2.83258E-05	7.781E-05	4.69911E-05	8.94902E-05	9.42995E-05	2.80632E-05	7.781E-05	4.57459E-05	**6982**	9.35753E-05
8.32092E-05	8.78424E-05	2.45685E-05	7.01983E-05	4.59145E-05	8.02301E-05	8.45841E-05	2.46175E-05	7.01983E-05	4.4656E-05	**6983**	8.33062E-05

7.56617E-05	7.9976E-05	2.10574E-05	6.58109E-05	4.54191E-05	7.41262E-05	7.8237E-05	2.16206E-05	6.58109E-05	4.41589E-05	**6984**	7.56606E-05
6.62264E-05	7.01029E-05	1.71621E-05	5.90361E-05	4.54031E-05	6.57933E-05	6.95275E-05	1.80982E-05	5.90361E-05	4.41496E-05	**6985**	6.61151E-05
6.42753E-05	6.80931E-05	1.59544E-05	5.84746E-05	4.61466E-05	6.45421E-05	6.82524E-05	1.7152E-05	5.84746E-05	4.49225E-05	**6986**	6.41118E-05
6.52634E-05	6.91564E-05	1.59912E-05	6.05649E-05	4.8087E-05	6.61375E-05	6.99516E-05	1.74215E-05	6.05649E-05	4.69236E-05	**6987**	6.51395E-05
6.92122E-05	7.3343E-05	1.69303E-05	6.52394E-05	5.10029E-05	7.06238E-05	7.46979E-05	1.85879E-05	6.52394E-05	4.99151E-05	**6988**	6.91199E-05
7.65277E-05	8.10769E-05	1.89494E-05	7.23907E-05	5.48268E-05	7.81687E-05	8.26646E-05	2.07448E-05	7.23907E-05	5.38196E-05	**6989**	7.64302E-05
8.35052E-05	8.84373E-05	2.10822E-05	7.84866E-05	5.55435E-05	8.49833E-05	8.98467E-05	2.2865E-05	7.84866E-05	5.45056E-05	**6990**	8.33912E-05
8.47567E-05	8.96542E-05	2.27701E-05	8.11105E-05	0.000101517	8.66965E-05	9.15736E-05	2.44036E-05	8.11105E-05	9.29674E-05	**6991**	8.47478E-05
7.94173E-05	8.39142E-05	2.25021E-05	7.79115E-05	0.000100417	8.19313E-05	8.64684E-05	2.39811E-05	7.79115E-05	9.17867E-05	**6992**	7.95388E-05
7.49741E-05	7.91872E-05	2.16513E-05	7.284E-05	0.000100906	7.69346E-05	8.11664E-05	2.28839E-05	7.284E-05	9.22535E-05	**6993**	7.51314E-05
7.35618E-05	7.7671E-05	2.15527E-05	7.07016E-05	0.000101242	7.50652E-05	7.91729E-05	2.26001E-05	7.07016E-05	9.25672E-05	**6994**	7.37277E-05
7.25644E-05	7.66023E-05	2.14572E-05	6.88787E-05	0.000102015	7.36016E-05	7.76162E-05	2.2324E-05	6.88787E-05	9.33363E-05	**6995**	7.27011E-05
7.19407E-05	7.59546E-05	2.11371E-05	6.84801E-05	9.53494E-05	7.30856E-05	7.70818E-05	2.20436E-05	6.84801E-05	8.79301E-05	**6996**	7.20581E-05
7.34004E-05	7.75091E-05	2.13969E-05	6.97348E-05	9.50353E-05	7.45358E-05	7.86241E-05	2.23175E-05	6.97348E-05	8.76031E-05	**6997**	7.34634E-05
7.4766E-05	7.89798E-05	2.14332E-05	7.13694E-05	9.33751E-05	7.61489E-05	8.03519E-05	2.24667E-05	7.13694E-05	8.59058E-05	**6998**	7.47657E-05
7.80794E-05	8.25009E-05	2.21181E-05	7.48491E-05	9.79042E-05	7.97226E-05	8.41417E-05	2.32792E-05	7.48491E-05	8.91115E-05	**6999**	7.80382E-05
8.43342E-05	8.91256E-05	2.3691E-05	8.06527E-05	9.47903E-05	8.60544E-05	9.08397E-05	2.49344E-05	8.06527E-05	8.59281E-05	**7000**	8.42197E-05
9.22181E-05	9.74869E-05	2.5534E-05	8.71613E-05	9.23225E-05	9.36788E-05	9.8918E-05	2.6761E-05	8.71613E-05	8.34197E-05	**7001**	9.19011E-05
9.99038E-05	0.000105553	2.84047E-05	9.21933E-05	9.08702E-05	0.000100292	0.000105851	2.9279E-05	9.21933E-05	8.19513E-05	**7002**	9.95525E-05
0.00010647	0.00011235	3.2048E-05	9.51758E-05	7.55385E-05	0.000105098	0.0001108	3.22713E-05	9.51758E-05	6.91402E-05	**7003**	0.000106283
0.000105101	0.000110811	3.28328E-05	9.20967E-05	6.22759E-05	0.000102647	0.00010813	3.26124E-05	9.20967E-05	5.84809E-05	**7004**	0.000105063
0.000100649	0.000106123	3.13729E-05	8.55717E-05	5.33783E-05	9.70624E-05	0.000102235	3.09915E-05	8.55717E-05	5.0818E-05	**7005**	0.00010073
9.34609E-05	9.86072E-05	2.83258E-05	7.781E-05	4.69911E-05	8.94902E-05	9.42995E-05	2.80632E-05	7.781E-05	4.57459E-05	**7006**	9.35753E-05
8.32092E-05	8.78424E-05	2.45685E-05	7.01983E-05	4.59145E-05	8.02301E-05	8.45841E-05	2.46175E-05	7.01983E-05	4.4656E-05	**7007**	8.33062E-05
7.56617E-05	7.9976E-05	2.10574E-05	6.58109E-05	4.54191E-05	7.41262E-05	7.8237E-05	2.16206E-05	6.58109E-05	4.41589E-05	**7008**	7.56606E-05
6.62264E-05	7.01029E-05	1.71621E-05	5.90361E-05	4.54031E-05	6.57933E-05	6.95275E-05	1.80982E-05	5.90361E-05	4.41496E-05	**7009**	6.61151E-05
6.42753E-05	6.80931E-05	1.59544E-05	5.84746E-05	4.61466E-05	6.45421E-05	6.82524E-05	1.7152E-05	5.84746E-05	4.49225E-05	**7010**	6.41118E-05
6.52634E-05	6.91564E-05	1.59912E-05	6.05649E-05	4.8087E-05	6.61375E-05	6.99516E-05	1.74215E-05	6.05649E-05	4.69236E-05	**7011**	6.51395E-05
6.92122E-05	7.3343E-05	1.69303E-05	6.52394E-05	5.10029E-05	7.06238E-05	7.46979E-05	1.85879E-05	6.52394E-05	4.99151E-05	**7012**	6.91199E-05
7.65277E-05	8.10769E-05	1.89494E-05	7.23907E-05	5.48268E-05	7.81687E-05	8.26646E-05	2.07448E-05	7.23907E-05	5.38196E-05	**7013**	7.64302E-05
8.35052E-05	8.84373E-05	2.10822E-05	7.84866E-05	5.55435E-05	8.49833E-05	8.98467E-05	2.2865E-05	7.84866E-05	5.45056E-05	**7014**	8.33912E-05
8.47567E-05	8.96542E-05	2.27701E-05	8.11105E-05	0.000101517	8.66965E-05	9.15736E-05	2.44036E-05	8.11105E-05	9.29674E-05	**7015**	8.47478E-05
7.94173E-05	8.39142E-05	2.25021E-05	7.79115E-05	0.000100417	8.19313E-05	8.64684E-05	2.39811E-05	7.79115E-05	9.17867E-05	**7016**	7.95388E-05
7.49741E-05	7.91872E-05	2.16513E-05	7.284E-05	0.000100906	7.69346E-05	8.11664E-05	2.28839E-05	7.284E-05	9.22535E-05	**7017**	7.51314E-05
7.35618E-05	7.7671E-05	2.15527E-05	7.07016E-05	0.000101242	7.50652E-05	7.91729E-05	2.26001E-05	7.07016E-05	9.25672E-05	**7018**	7.37277E-05
7.25644E-05	7.66023E-05	2.14572E-05	6.88787E-05	0.000102015	7.36016E-05	7.76162E-05	2.2324E-05	6.88787E-05	9.33363E-05	**7019**	7.27011E-05
7.19407E-05	7.59546E-05	2.11371E-05	6.84801E-05	9.53494E-05	7.30856E-05	7.70818E-05	2.20436E-05	6.84801E-05	8.79301E-05	**7020**	7.20581E-05
7.34004E-05	7.75091E-05	2.13969E-05	6.97348E-05	9.50353E-05	7.45358E-05	7.86241E-05	2.23175E-05	6.97348E-05	8.76031E-05	**7021**	7.34634E-05
7.4766E-05	7.89798E-05	2.14332E-05	7.13694E-05	9.33751E-05	7.61489E-05	8.03519E-05	2.24667E-05	7.13694E-05	8.59058E-05	**7022**	7.47657E-05
7.80794E-05	8.25009E-05	2.21181E-05	7.48491E-05	9.79042E-05	7.97226E-05	8.41417E-05	2.32792E-05	7.48491E-05	8.91115E-05	**7023**	7.80382E-05
8.43342E-05	8.91256E-05	2.3691E-05	8.06527E-05	9.47903E-05	8.60544E-05	9.08397E-05	2.49344E-05	8.06527E-05	8.59281E-05	**7024**	8.42197E-05
9.22181E-05	9.74869E-05	2.5534E-05	8.71613E-05	9.23225E-05	9.36788E-05	9.8918E-05	2.6761E-05	8.71613E-05	8.34197E-05	**7025**	9.19011E-05
9.99038E-05	0.000105553	2.84047E-05	9.21933E-05	9.08702E-05	0.000100292	0.000105851	2.9279E-05	9.21933E-05	8.19513E-05	**7026**	9.95525E-05
0.00010647	0.00011235	3.2048E-05	9.51758E-05	7.55385E-05	0.000105098	0.0001108	3.22713E-05	9.51758E-05	6.91402E-05	**7027**	0.000106283
0.000105101	0.000110811	3.28328E-05	9.20967E-05	6.22759E-05	0.000102647	0.00010813	3.26124E-05	9.20967E-05	5.84809E-05	**7028**	0.000105063
0.000100649	0.000106123	3.13729E-05	8.55717E-05	5.33783E-05	9.70624E-05	0.000102235	3.09915E-05	8.55717E-05	5.0818E-05	**7029**	0.00010073
9.34609E-05	9.86072E-05	2.83258E-05	7.781E-05	4.69911E-05	8.94902E-05	9.42995E-05	2.80632E-05	7.781E-05	4.57459E-05	**7030**	9.35753E-05
8.32092E-05	8.78424E-05	2.45685E-05	7.01983E-05	4.59145E-05	8.02301E-05	8.45841E-05	2.46175E-05	7.01983E-05	4.4656E-05	**7031**	8.33062E-05
7.56617E-05	7.9976E-05	2.10574E-05	6.58109E-05	4.54191E-05	7.41262E-05	7.8237E-05	2.16206E-05	6.58109E-05	4.41589E-05	**7032**	7.56606E-05
6.62264E-05	7.01029E-05	1.71621E-05	5.90361E-05	4.54031E-05	6.57933E-05	6.95275E-05	1.80982E-05	5.90361E-05	4.41496E-05	**7033**	6.61151E-05
6.42753E-05	6.80931E-05	1.59544E-05	5.84746E-05	4.61466E-05	6.45421E-05	6.82524E-05	1.7152E-05	5.84746E-05	4.49225E-05	**7034**	6.41118E-05
6.52634E-05	6.91564E-05	1.59912E-05	6.05649E-05	4.8087E-05	6.61375E-05	6.99516E-05	1.74215E-05	6.05649E-05	4.69236E-05	**7035**	6.51395E-05
6.92122E-05	7.3343E-05	1.69303E-05	6.52394E-05	5.10029E-05	7.06238E-05	7.46979E-05	1.85879E-05	6.52394E-05	4.99151E-05	**7036**	6.91199E-05
7.65277E-05	8.10769E-05	1.89494E-05	7.23907E-05	5.48268E-05	7.81687E-05	8.26646E-05	2.07448E-05	7.23907E-05	5.38196E-05	**7037**	7.64302E-05
8.35052E-05	8.84373E-05	2.10822E-05	7.84866E-05	5.55435E-05	8.49833E-05	8.98467E-05	2.2865E-05	7.84866E-05	5.45056E-05	**7038**	8.33912E-05
8.47567E-05	8.96542E-05	2.27701E-05	8.11105E-05	0.000101517	8.66965E-05	9.15736E-05	2.44036E-05	8.11105E-05	9.29674E-05	**7039**	8.47478E-05
7.94173E-05	8.39142E-05	2.25021E-05	7.79115E-05	0.000100417	8.19313E-05	8.64684E-05	2.39811E-05	7.79115E-05	9.17867E-05	**7040**	7.95388E-05
7.49741E-05	7.91872E-05	2.16513E-05	7.284E-05	0.000100906	7.69346E-05	8.11664E-05	2.28839E-05	7.284E-05	9.22535E-05	**7041**	7.51314E-05
7.35618E-05	7.7671E-05	2.15527E-05	7.07016E-05	0.000101242	7.50652E-05	7.91729E-05	2.26001E-05	7.07016E-05	9.25672E-05	**7042**	7.37277E-05
7.25644E-05	7.66023E-05	2.14572E-05	6.88787E-05	0.000102015	7.36016E-05	7.76162E-05	2.2324E-05	6.88787E-05	9.33363E-05	**7043**	7.27011E-05
7.19407E-05	7.59546E-05	2.11371E-05	6.84801E-05	9.53494E-05	7.30856E-05	7.70818E-05	2.20436E-05	6.84801E-05	8.79301E-05	**7044**	7.20581E-05
7.34004E-05	7.75091E-05	2.13969E-05	6.97348E-05	9.50353E-05	7.45358E-05	7.86241E-05	2.23175E-05	6.97348E-05	8.76031E-05	**7045**	7.34634E-05
7.4766E-05	7.89798E-05	2.14332E-05	7.13694E-05	9.33751E-05	7.61489E-05	8.03519E-05	2.24667E-05	7.13694E-05	8.59058E-05	**7046**	7.47657E-05
7.80794E-05	8.25009E-05	2.21181E-05	7.48491E-05	9.79042E-05	7.97226E-05	8.41417E-05	2.32792E-05	7.48491E-05	8.91115E-05	**7047**	7.80382E-05
8.43342E-05	8.91256E-05	2.3691E-05	8.06527E-05	9.47903E-05	8.60544E-05	9.08397E-05	2.49344E-05	8.06527E-05	8.59281E-05	**7048**	8.42197E-05
9.22181E-05	9.74869E-05	2.5534E-05	8.71613E-05	9.23225E-05	9.36788E-05	9.8918E-05	2.6761E-05	8.71613E-05	8.34197E-05	**7049**	9.19011E-05
9.99038E-05	0.000105553	2.84047E-05	9.21933E-05	9.08702E-05	0.000100292	0.000105851	2.9279E-05	9.21933E-05	8.19513E-05	**7050**	9.95525E-05
0.00010647	0.00011235	3.2048E-05	9.51758E-05	7.55385E-05	0.000105098	0.0001108	3.22713E-05	9.51758E-05	6.91402E-05	**7051**	0.000106283
0.000105101	0.000110811	3.28328E-05	9.20967E-05	6.22759E-05	0.000102647	0.00010813	3.26124E-05	9.20967E-05	5.84809E-05	**7052**	0.000105063
0.000100649	0.000106123	3.13729E-05	8.55717E-05	5.33783E-05	9.70624E-05	0.000102235	3.09915E-05	8.55717E-05	5.0818E-05	**7053**	0.00010073
9.34609E-05	9.86072E-05	2.83258E-05	7.781E-05	4.69911E-05	8.94902E-05	9.42995E-05	2.80632E-05	7.781E-05	4.57459E-05	**7054**	9.35753E-05
8.32092E-05	8.78424E-05	2.45685E-05	7.01983E-05	4.59145E-05	8.02301E-05	8.45841E-05	2.46175E-05	7.01983E-05	4.4656E-05	**7055**	8.33062E-05
7.56617E-05	7.9976E-05	2.10574E-05	6.58109E-05	4.54191E-05	7.41262E-05	7.8237E-05	2.16206E-05	6.58109E-05	4.41589E-05	**7056**	7.56606E-05
6.62264E-05	7.01029E-05	1.71621E-05	5.90361E-05	4.54031E-05	6.57933E-05	6.95275E-05	1.80982E-05	5.90361E-05	4.41496E-05	**7057**	6.61151E-05
6.42753E-05	6.80931E-05	1.59544E-05	5.84746E-05	4.61466E-05	6.45421E-05	6.82524E-05	1.7152E-05	5.84746E-05	4.49225E-05	**7058**	6.41118E-05
6.52634E-05	6.91564E-05	1.59912E-05	6.05649E-05	4.8087E-05	6.61375E-05	6.99516E-05	1.74215E-05	6.05649E-05	4.69236E-05	**7059**	6.51395E-05

6.92122E-05	7.3343E-05	1.69303E-05	6.52394E-05	5.10029E-05	7.06238E-05	7.46979E-05	1.85879E-05	6.52394E-05	4.99151E-05	**7060**	6.91199E-05
7.65277E-05	8.10769E-05	1.89494E-05	7.23907E-05	5.48268E-05	7.81687E-05	8.26646E-05	2.07448E-05	7.23907E-05	5.38196E-05	**7061**	7.64302E-05
8.35052E-05	8.84373E-05	2.10822E-05	7.84866E-05	5.55435E-05	8.49833E-05	8.98467E-05	2.2865E-05	7.84866E-05	5.45056E-05	**7062**	8.33912E-05
8.47567E-05	8.96542E-05	2.27701E-05	8.11105E-05	0.000101517	8.66965E-05	9.15736E-05	2.44036E-05	8.11105E-05	9.29674E-05	**7063**	8.47478E-05
7.94173E-05	8.39142E-05	2.25021E-05	7.79115E-05	0.000100417	8.19313E-05	8.64684E-05	2.39811E-05	7.79115E-05	9.17867E-05	**7064**	7.95388E-05
7.49741E-05	7.91872E-05	2.16513E-05	7.284E-05	0.000100906	7.69346E-05	8.11664E-05	2.28839E-05	7.284E-05	9.22535E-05	**7065**	7.51314E-05
7.35618E-05	7.7671E-05	2.15527E-05	7.07016E-05	0.000101242	7.50652E-05	7.91729E-05	2.26001E-05	7.07016E-05	9.25672E-05	**7066**	7.37277E-05
7.25644E-05	7.66023E-05	2.14572E-05	6.88787E-05	0.000102015	7.36016E-05	7.76162E-05	2.2324E-05	6.88787E-05	9.33363E-05	**7067**	7.27011E-05
7.19407E-05	7.59546E-05	2.11371E-05	6.84801E-05	9.53494E-05	7.30856E-05	7.70818E-05	2.20436E-05	6.84801E-05	8.79301E-05	**7068**	7.20581E-05
7.34004E-05	7.75091E-05	2.13969E-05	6.97348E-05	9.50353E-05	7.45358E-05	7.86241E-05	2.23175E-05	6.97348E-05	8.76031E-05	**7069**	7.34634E-05
7.4766E-05	7.89798E-05	2.14332E-05	7.13694E-05	9.33751E-05	7.61489E-05	8.03519E-05	2.24667E-05	7.13694E-05	8.59058E-05	**7070**	7.47657E-05
7.80794E-05	8.25009E-05	2.21181E-05	7.48491E-05	9.79042E-05	7.97226E-05	8.41417E-05	2.32792E-05	7.48491E-05	8.91115E-05	**7071**	7.80382E-05
8.43342E-05	8.91256E-05	2.3691E-05	8.06527E-05	9.47903E-05	8.60544E-05	9.08397E-05	2.49344E-05	8.06527E-05	8.59281E-05	**7072**	8.42197E-05
9.22181E-05	9.74869E-05	2.5534E-05	8.71613E-05	9.23225E-05	9.36788E-05	9.8918E-05	2.6761E-05	8.71613E-05	8.34197E-05	**7073**	9.19011E-05
9.99038E-05	0.000105553	2.84047E-05	9.21933E-05	9.08702E-05	0.000100292	0.000105851	2.9279E-05	9.21933E-05	8.19513E-05	**7074**	9.95525E-05
0.00010647	0.00011235	3.2048E-05	9.51758E-05	7.55385E-05	0.000105098	0.0001108	3.22713E-05	9.51758E-05	6.91402E-05	**7075**	0.000106283
0.000105101	0.000110811	3.28328E-05	9.20967E-05	6.22759E-05	0.000102647	0.00010813	3.26124E-05	9.20967E-05	5.84809E-05	**7076**	0.000105063
0.000100649	0.000106123	3.13729E-05	8.55717E-05	5.33783E-05	9.70624E-05	0.000102235	3.09915E-05	8.55717E-05	5.0818E-05	**7077**	0.00010073
9.34609E-05	9.86072E-05	2.83258E-05	7.781E-05	4.69911E-05	8.94902E-05	9.42995E-05	2.80632E-05	7.781E-05	4.57459E-05	**7078**	9.35753E-05
8.32092E-05	8.78424E-05	2.45685E-05	7.01983E-05	4.59145E-05	8.02301E-05	8.45841E-05	2.46175E-05	7.01983E-05	4.4656E-05	**7079**	8.33062E-05
7.56617E-05	7.9976E-05	2.10574E-05	6.58109E-05	4.54191E-05	7.41262E-05	7.8237E-05	2.16206E-05	6.58109E-05	4.41589E-05	**7080**	7.56606E-05
6.61063E-05	6.99751E-05	1.71407E-05	5.89484E-05	4.56677E-05	6.56814E-05	6.94084E-05	1.80782E-05	5.89484E-05	4.44113E-05	**7081**	6.60009E-05
6.42819E-05	6.80999E-05	1.59598E-05	5.85012E-05	4.64562E-05	6.45578E-05	6.82687E-05	1.71605E-05	5.85012E-05	4.52298E-05	**7082**	6.41212E-05
6.52152E-05	6.91056E-05	1.59757E-05	6.04938E-05	4.84003E-05	6.60768E-05	6.98878E-05	1.74013E-05	6.04938E-05	4.72351E-05	**7083**	6.50885E-05
6.91939E-05	7.33241E-05	1.692E-05	6.51897E-05	5.1376E-05	7.05908E-05	7.46635E-05	1.85725E-05	6.51897E-05	5.02892E-05	**7084**	6.90974E-05
7.647E-05	8.10171E-05	1.89199E-05	7.22491E-05	5.51938E-05	7.80713E-05	8.2563E-05	2.07014E-05	7.22491E-05	5.41883E-05	**7085**	7.63612E-05
8.34627E-05	8.83928E-05	2.10636E-05	7.83985E-05	5.59176E-05	8.49186E-05	8.9779E-05	2.28386E-05	7.83985E-05	5.48825E-05	**7086**	8.33426E-05
8.6385E-05	9.14027E-05	2.2877E-05	8.14515E-05	0.000101792	8.78429E-05	9.2801E-05	2.45153E-05	8.14515E-05	9.32466E-05	**7087**	8.63807E-05
7.99664E-05	8.44954E-05	2.26447E-05	7.85447E-05	0.000100634	8.2545E-05	8.71168E-05	2.41513E-05	7.85447E-05	9.2008E-05	**7088**	8.0094E-05
7.61022E-05	8.03807E-05	2.1951E-05	7.41752E-05	0.000100973	7.82104E-05	8.25138E-05	2.3245E-05	7.41752E-05	9.23241E-05	**7089**	7.62768E-05
7.47525E-05	7.89309E-05	2.18686E-05	7.21087E-05	0.000101236	7.64108E-05	8.05941E-05	2.29805E-05	7.21087E-05	9.25666E-05	**7090**	7.49364E-05
7.36446E-05	7.77453E-05	2.17439E-05	7.01561E-05	0.000101934	7.48228E-05	7.8906E-05	2.26695E-05	7.01561E-05	9.32623E-05	**7091**	7.37978E-05
7.28728E-05	7.69424E-05	2.13649E-05	6.94809E-05	9.52863E-05	7.40949E-05	7.81495E-05	2.23072E-05	6.94809E-05	8.78745E-05	**7092**	7.299E-05
7.4171E-05	7.83264E-05	2.15772E-05	7.05205E-05	9.49709E-05	7.53519E-05	7.94882E-05	2.25213E-05	7.05205E-05	8.75476E-05	**7093**	7.42279E-05
7.54382E-05	7.96925E-05	2.15928E-05	7.20668E-05	9.32612E-05	7.68661E-05	8.1111E-05	2.26485E-05	7.20668E-05	8.57993E-05	**7094**	7.54342E-05
7.89383E-05	8.34113E-05	2.23255E-05	7.5758E-05	9.77453E-05	8.06467E-05	8.51195E-05	2.35176E-05	7.5758E-05	8.89578E-05	**7095**	7.88949E-05
8.52141E-05	9.00581E-05	2.39063E-05	8.15985E-05	9.4621E-05	8.70076E-05	9.1848E-05	2.51836E-05	8.15985E-05	8.57625E-05	**7096**	8.50995E-05
9.29021E-05	9.82117E-05	2.56993E-05	8.7886E-05	9.21692E-05	9.44151E-05	9.9697E-05	2.69511E-05	8.7886E-05	8.32697E-05	**7097**	9.25834E-05
0.000100482	0.000106166	2.85478E-05	9.28232E-05	9.07331E-05	0.000100922	0.000106518	2.94456E-05	9.28232E-05	8.18169E-05	**7098**	0.000100132
0.000106819	0.000112719	3.21395E-05	9.55826E-05	7.54491E-05	0.00010549	0.000111214	3.23809E-05	9.55826E-05	6.90536E-05	**7099**	0.000106636
0.000105633	0.000111374	3.29668E-05	9.26886E-05	6.21708E-05	0.000103232	0.000108748	3.27699E-05	9.26886E-05	5.83783E-05	**7100**	0.000105597
9.97041E-05	0.000105098	3.14408E-05	8.60048E-05	5.32273E-05	9.66735E-05	0.000101808	3.10868E-05	8.60048E-05	5.06693E-05	**7101**	9.97861E-05
9.40188E-05	9.91976E-05	2.84728E-05	7.84641E-05	4.6845E-05	9.01184E-05	9.49631E-05	2.82397E-05	7.84641E-05	4.56028E-05	**7102**	9.41409E-05
8.38206E-05	8.84899E-05	2.47228E-05	7.08798E-05	4.57652E-05	8.0903E-05	8.52956E-05	2.4799E-05	7.08798E-05	4.45098E-05	**7103**	8.3921E-05
7.61326E-05	8.04746E-05	2.1178E-05	6.63447E-05	4.51943E-05	7.46484E-05	7.87889E-05	2.17634E-05	6.63447E-05	4.39379E-05	**7104**	7.61353E-05
6.61063E-05	6.99751E-05	1.71407E-05	5.89484E-05	4.56677E-05	6.56814E-05	6.94084E-05	1.80782E-05	5.89484E-05	4.44113E-05	**7105**	6.60009E-05
6.42819E-05	6.80999E-05	1.59598E-05	5.85012E-05	4.64562E-05	6.45578E-05	6.82687E-05	1.71605E-05	5.85012E-05	4.52298E-05	**7106**	6.41212E-05
6.52152E-05	6.91056E-05	1.59757E-05	6.04938E-05	4.84003E-05	6.60768E-05	6.98878E-05	1.74013E-05	6.04938E-05	4.72351E-05	**7107**	6.50885E-05
6.91939E-05	7.33241E-05	1.692E-05	6.51897E-05	5.1376E-05	7.05908E-05	7.46635E-05	1.85725E-05	6.51897E-05	5.02892E-05	**7108**	6.90974E-05
7.647E-05	8.10171E-05	1.89199E-05	7.22491E-05	5.51938E-05	7.80713E-05	8.2563E-05	2.07014E-05	7.22491E-05	5.41883E-05	**7109**	7.63612E-05
8.34627E-05	8.83928E-05	2.10636E-05	7.83985E-05	5.59176E-05	8.49186E-05	8.9779E-05	2.28386E-05	7.83985E-05	5.48825E-05	**7110**	8.33426E-05
8.6385E-05	9.14027E-05	2.2877E-05	8.14515E-05	0.000101792	8.78429E-05	9.2801E-05	2.45153E-05	8.14515E-05	9.32466E-05	**7111**	8.63807E-05
7.99664E-05	8.44954E-05	2.26447E-05	7.85447E-05	0.000100634	8.2545E-05	8.71168E-05	2.41513E-05	7.85447E-05	9.2008E-05	**7112**	8.0094E-05
7.61022E-05	8.03807E-05	2.1951E-05	7.41752E-05	0.000100973	7.82104E-05	8.25138E-05	2.3245E-05	7.41752E-05	9.23241E-05	**7113**	7.62768E-05
7.47525E-05	7.89309E-05	2.18686E-05	7.21087E-05	0.000101236	7.64108E-05	8.05941E-05	2.29805E-05	7.21087E-05	9.25666E-05	**7114**	7.49364E-05
7.36446E-05	7.77453E-05	2.17439E-05	7.01561E-05	0.000101934	7.48228E-05	7.8906E-05	2.26695E-05	7.01561E-05	9.32623E-05	**7115**	7.37978E-05
7.28728E-05	7.69424E-05	2.13649E-05	6.94809E-05	9.52863E-05	7.40949E-05	7.81495E-05	2.23072E-05	6.94809E-05	8.78745E-05	**7116**	7.299E-05
7.4171E-05	7.83264E-05	2.15772E-05	7.05205E-05	9.49709E-05	7.53519E-05	7.94882E-05	2.25213E-05	7.05205E-05	8.75476E-05	**7117**	7.42279E-05
7.54382E-05	7.96925E-05	2.15928E-05	7.20668E-05	9.32612E-05	7.68661E-05	8.1111E-05	2.26485E-05	7.20668E-05	8.57993E-05	**7118**	7.54342E-05
7.89383E-05	8.34113E-05	2.23255E-05	7.5758E-05	9.77453E-05	8.06467E-05	8.51195E-05	2.35176E-05	7.5758E-05	8.89578E-05	**7119**	7.88949E-05
8.52141E-05	9.00581E-05	2.39063E-05	8.15985E-05	9.4621E-05	8.70076E-05	9.1848E-05	2.51836E-05	8.15985E-05	8.57625E-05	**7120**	8.50995E-05
9.29021E-05	9.82117E-05	2.56993E-05	8.7886E-05	9.21692E-05	9.44151E-05	9.9697E-05	2.69511E-05	8.7886E-05	8.32697E-05	**7121**	9.25834E-05
0.000100482	0.000106166	2.85478E-05	9.28232E-05	9.07331E-05	0.000100922	0.000106518	2.94456E-05	9.28232E-05	8.18169E-05	**7122**	0.000100132
0.000106819	0.000112719	3.21395E-05	9.55826E-05	7.54491E-05	0.00010549	0.000111214	3.23809E-05	9.55826E-05	6.90536E-05	**7123**	0.000106636
0.000105633	0.000111374	3.29668E-05	9.26886E-05	6.21708E-05	0.000103232	0.000108748	3.27699E-05	9.26886E-05	5.83783E-05	**7124**	0.000105597
9.97041E-05	0.000105098	3.14408E-05	8.60048E-05	5.32273E-05	9.66735E-05	0.000101808	3.10868E-05	8.60048E-05	5.06693E-05	**7125**	9.97861E-05
9.40188E-05	9.91976E-05	2.84728E-05	7.84641E-05	4.6845E-05	9.01184E-05	9.49631E-05	2.82397E-05	7.84641E-05	4.56028E-05	**7126**	9.41409E-05
8.38206E-05	8.84899E-05	2.47228E-05	7.08798E-05	4.57652E-05	8.0903E-05	8.52956E-05	2.4799E-05	7.08798E-05	4.45098E-05	**7127**	8.3921E-05
7.61326E-05	8.04746E-05	2.1178E-05	6.63447E-05	4.51943E-05	7.46484E-05	7.87889E-05	2.17634E-05	6.63447E-05	4.39379E-05	**7128**	7.61353E-05
6.62264E-05	7.01029E-05	1.71621E-05	5.90361E-05	4.54031E-05	6.57933E-05	6.95275E-05	1.80982E-05	5.90361E-05	4.41496E-05	**7129**	6.61151E-05
6.42753E-05	6.80931E-05	1.59544E-05	5.84746E-05	4.61466E-05	6.45421E-05	6.82524E-05	1.7152E-05	5.84746E-05	4.49225E-05	**7130**	6.41118E-05
6.52634E-05	6.91564E-05	1.59912E-05	6.05649E-05	4.8087E-05	6.61375E-05	6.99516E-05	1.74215E-05	6.05649E-05	4.69236E-05	**7131**	6.51395E-05
6.92122E-05	7.3343E-05	1.69303E-05	6.52394E-05	5.10029E-05	7.06238E-05	7.46979E-05	1.85879E-05	6.52394E-05	4.99151E-05	**7132**	6.91199E-05
7.65277E-05	8.10769E-05	1.89494E-05	7.23907E-05	5.48268E-05	7.81687E-05	8.26646E-05	2.07448E-05	7.23907E-05	5.38196E-05	**7133**	7.64302E-05
8.35052E-05	8.84373E-05	2.10822E-05	7.84866E-05	5.55435E-05	8.49833E-05	8.98467E-05	2.2865E-05	7.84866E-05	5.45056E-05	**7134**	8.33912E-05
8.47567E-05	8.96542E-05	2.27701E-05	8.11105E-05	0.000101517	8.66965E-05	9.15736E-05	2.44036E-05	8.11105E-05	9.29674E-05	**7135**	8.47478E-05

7.94173E-05	8.39142E-05	2.25021E-05	7.79115E-05	0.000100417	8.19313E-05	8.64684E-05	2.39811E-05	7.79115E-05	9.17867E-05	**7136**	7.95388E-05
7.49741E-05	7.91872E-05	2.16513E-05	7.284E-05	0.000100906	7.69346E-05	8.11664E-05	2.28839E-05	7.284E-05	9.22535E-05	**7137**	7.51314E-05
7.35618E-05	7.7671E-05	2.15527E-05	7.07016E-05	0.000101242	7.50652E-05	7.91729E-05	2.26001E-05	7.07016E-05	9.25672E-05	**7138**	7.37277E-05
7.25644E-05	7.66023E-05	2.14572E-05	6.88787E-05	0.000102015	7.36016E-05	7.76162E-05	2.2324E-05	6.88787E-05	9.33363E-05	**7139**	7.27011E-05
7.19407E-05	7.59546E-05	2.11371E-05	6.84801E-05	9.53494E-05	7.30856E-05	7.70818E-05	2.20436E-05	6.84801E-05	8.79301E-05	**7140**	7.20581E-05
7.34004E-05	7.75091E-05	2.13969E-05	6.97348E-05	9.50353E-05	7.45358E-05	7.86241E-05	2.23175E-05	6.97348E-05	8.76031E-05	**7141**	7.34634E-05
7.4766E-05	7.89798E-05	2.14332E-05	7.13694E-05	9.33751E-05	7.61489E-05	8.03519E-05	2.24667E-05	7.13694E-05	8.59058E-05	**7142**	7.47657E-05
7.80794E-05	8.25009E-05	2.21181E-05	7.48491E-05	9.79042E-05	7.97226E-05	8.41417E-05	2.32792E-05	7.48491E-05	8.91115E-05	**7143**	7.80382E-05
8.43342E-05	8.91256E-05	2.3691E-05	8.06527E-05	9.47903E-05	8.60544E-05	9.08397E-05	2.49344E-05	8.06527E-05	8.59281E-05	**7144**	8.42197E-05
9.22181E-05	9.74869E-05	2.5534E-05	8.71613E-05	9.23225E-05	9.36788E-05	9.8918E-05	2.6761E-05	8.71613E-05	8.34197E-05	**7145**	9.19011E-05
9.99038E-05	0.000105553	2.84047E-05	9.21933E-05	9.08702E-05	0.000100292	0.000105851	2.9279E-05	9.21933E-05	8.19513E-05	**7146**	9.95525E-05
0.00010647	0.00011235	3.2048E-05	9.51758E-05	7.55385E-05	0.000105098	0.0001108	3.22713E-05	9.51758E-05	6.91402E-05	**7147**	0.000106283
0.000105101	0.000110811	3.28328E-05	9.20967E-05	6.22759E-05	0.000102647	0.00010813	3.26124E-05	9.20967E-05	5.84809E-05	**7148**	0.000105063
0.000100649	0.000106123	3.13729E-05	8.55717E-05	5.33783E-05	9.70624E-05	0.000102235	3.09915E-05	8.55717E-05	5.0818E-05	**7149**	0.00010073
9.34609E-05	9.86072E-05	2.83258E-05	7.781E-05	4.69911E-05	8.94902E-05	9.42995E-05	2.80632E-05	7.781E-05	4.57459E-05	**7150**	9.35753E-05
8.32092E-05	8.78424E-05	2.45685E-05	7.01983E-05	4.59145E-05	8.02301E-05	8.45841E-05	2.46175E-05	7.01983E-05	4.4656E-05	**7151**	8.33062E-05
7.56617E-05	7.9976E-05	2.10574E-05	6.58109E-05	4.54191E-05	7.41262E-05	7.8237E-05	2.16206E-05	6.58109E-05	4.41589E-05	**7152**	7.56606E-05
6.62264E-05	7.01029E-05	1.71621E-05	5.90361E-05	4.54031E-05	6.57933E-05	6.95275E-05	1.80982E-05	5.90361E-05	4.41496E-05	**7153**	6.61151E-05
6.42753E-05	6.80931E-05	1.59544E-05	5.84746E-05	4.61466E-05	6.45421E-05	6.82524E-05	1.7152E-05	5.84746E-05	4.49225E-05	**7154**	6.41118E-05
6.52634E-05	6.91564E-05	1.59912E-05	6.05649E-05	4.8087E-05	6.61375E-05	6.99516E-05	1.74215E-05	6.05649E-05	4.69236E-05	**7155**	6.51395E-05
6.92122E-05	7.3343E-05	1.69303E-05	6.52394E-05	5.10029E-05	7.06238E-05	7.46979E-05	1.85879E-05	6.52394E-05	4.99151E-05	**7156**	6.91199E-05
7.65277E-05	8.10769E-05	1.89494E-05	7.23907E-05	5.48268E-05	7.81687E-05	8.26646E-05	2.07448E-05	7.23907E-05	5.38196E-05	**7157**	7.64302E-05
8.35052E-05	8.84373E-05	2.10822E-05	7.84866E-05	5.55435E-05	8.49833E-05	8.98467E-05	2.2865E-05	7.84866E-05	5.45056E-05	**7158**	8.33912E-05
8.47567E-05	8.96542E-05	2.27701E-05	8.11105E-05	0.000101517	8.66965E-05	9.15736E-05	2.44036E-05	8.11105E-05	9.29674E-05	**7159**	8.47478E-05
7.94173E-05	8.39142E-05	2.25021E-05	7.79115E-05	0.000100417	8.19313E-05	8.64684E-05	2.39811E-05	7.79115E-05	9.17867E-05	**7160**	7.95388E-05
7.49741E-05	7.91872E-05	2.16513E-05	7.284E-05	0.000100906	7.69346E-05	8.11664E-05	2.28839E-05	7.284E-05	9.22535E-05	**7161**	7.51314E-05
7.35618E-05	7.7671E-05	2.15527E-05	7.07016E-05	0.000101242	7.50652E-05	7.91729E-05	2.26001E-05	7.07016E-05	9.25672E-05	**7162**	7.37277E-05
7.25644E-05	7.66023E-05	2.14572E-05	6.88787E-05	0.000102015	7.36016E-05	7.76162E-05	2.2324E-05	6.88787E-05	9.33363E-05	**7163**	7.27011E-05
7.19407E-05	7.59546E-05	2.11371E-05	6.84801E-05	9.53494E-05	7.30856E-05	7.70818E-05	2.20436E-05	6.84801E-05	8.79301E-05	**7164**	7.20581E-05
7.34004E-05	7.75091E-05	2.13969E-05	6.97348E-05	9.50353E-05	7.45358E-05	7.86241E-05	2.23175E-05	6.97348E-05	8.76031E-05	**7165**	7.34634E-05
7.4766E-05	7.89798E-05	2.14332E-05	7.13694E-05	9.33751E-05	7.61489E-05	8.03519E-05	2.24667E-05	7.13694E-05	8.59058E-05	**7166**	7.47657E-05
7.80794E-05	8.25009E-05	2.21181E-05	7.48491E-05	9.79042E-05	7.97226E-05	8.41417E-05	2.32792E-05	7.48491E-05	8.91115E-05	**7167**	7.80382E-05
8.43342E-05	8.91256E-05	2.3691E-05	8.06527E-05	9.47903E-05	8.60544E-05	9.08397E-05	2.49344E-05	8.06527E-05	8.59281E-05	**7168**	8.42197E-05
9.22181E-05	9.74869E-05	2.5534E-05	8.71613E-05	9.23225E-05	9.36788E-05	9.8918E-05	2.6761E-05	8.71613E-05	8.34197E-05	**7169**	9.19011E-05
9.99038E-05	0.000105553	2.84047E-05	9.21933E-05	9.08702E-05	0.000100292	0.000105851	2.9279E-05	9.21933E-05	8.19513E-05	**7170**	9.95525E-05
0.00010647	0.00011235	3.2048E-05	9.51758E-05	7.55385E-05	0.000105098	0.0001108	3.22713E-05	9.51758E-05	6.91402E-05	**7171**	0.000106283
0.000105101	0.000110811	3.28328E-05	9.20967E-05	6.22759E-05	0.000102647	0.00010813	3.26124E-05	9.20967E-05	5.84809E-05	**7172**	0.000105063
0.000100649	0.000106123	3.13729E-05	8.55717E-05	5.33783E-05	9.70624E-05	0.000102235	3.09915E-05	8.55717E-05	5.0818E-05	**7173**	0.00010073
9.34609E-05	9.86072E-05	2.83258E-05	7.781E-05	4.69911E-05	8.94902E-05	9.42995E-05	2.80632E-05	7.781E-05	4.57459E-05	**7174**	9.35753E-05
8.32092E-05	8.78424E-05	2.45685E-05	7.01983E-05	4.59145E-05	8.02301E-05	8.45841E-05	2.46175E-05	7.01983E-05	4.4656E-05	**7175**	8.33062E-05
7.56617E-05	7.9976E-05	2.10574E-05	6.58109E-05	4.54191E-05	7.41262E-05	7.8237E-05	2.16206E-05	6.58109E-05	4.41589E-05	**7176**	7.56606E-05
6.62264E-05	7.01029E-05	1.71621E-05	5.90361E-05	4.54031E-05	6.57933E-05	6.95275E-05	1.80982E-05	5.90361E-05	4.41496E-05	**7177**	6.61151E-05
6.42753E-05	6.80931E-05	1.59544E-05	5.84746E-05	4.61466E-05	6.45421E-05	6.82524E-05	1.7152E-05	5.84746E-05	4.49225E-05	**7178**	6.41118E-05
6.52634E-05	6.91564E-05	1.59912E-05	6.05649E-05	4.8087E-05	6.61375E-05	6.99516E-05	1.74215E-05	6.05649E-05	4.69236E-05	**7179**	6.51395E-05
6.92122E-05	7.3343E-05	1.69303E-05	6.52394E-05	5.10029E-05	7.06238E-05	7.46979E-05	1.85879E-05	6.52394E-05	4.99151E-05	**7180**	6.91199E-05
7.65277E-05	8.10769E-05	1.89494E-05	7.23907E-05	5.48268E-05	7.81687E-05	8.26646E-05	2.07448E-05	7.23907E-05	5.38196E-05	**7181**	7.64302E-05
8.35052E-05	8.84373E-05	2.10822E-05	7.84866E-05	5.55435E-05	8.49833E-05	8.98467E-05	2.2865E-05	7.84866E-05	5.45056E-05	**7182**	8.33912E-05
8.47567E-05	8.96542E-05	2.27701E-05	8.11105E-05	0.000101517	8.66965E-05	9.15736E-05	2.44036E-05	8.11105E-05	9.29674E-05	**7183**	8.47478E-05
7.94173E-05	8.39142E-05	2.25021E-05	7.79115E-05	0.000100417	8.19313E-05	8.64684E-05	2.39811E-05	7.79115E-05	9.17867E-05	**7184**	7.95388E-05
7.49741E-05	7.91872E-05	2.16513E-05	7.284E-05	0.000100906	7.69346E-05	8.11664E-05	2.28839E-05	7.284E-05	9.22535E-05	**7185**	7.51314E-05
7.35618E-05	7.7671E-05	2.15527E-05	7.07016E-05	0.000101242	7.50652E-05	7.91729E-05	2.26001E-05	7.07016E-05	9.25672E-05	**7186**	7.37277E-05
7.25644E-05	7.66023E-05	2.14572E-05	6.88787E-05	0.000102015	7.36016E-05	7.76162E-05	2.2324E-05	6.88787E-05	9.33363E-05	**7187**	7.27011E-05
7.19407E-05	7.59546E-05	2.11371E-05	6.84801E-05	9.53494E-05	7.30856E-05	7.70818E-05	2.20436E-05	6.84801E-05	8.79301E-05	**7188**	7.20581E-05
7.34004E-05	7.75091E-05	2.13969E-05	6.97348E-05	9.50353E-05	7.45358E-05	7.86241E-05	2.23175E-05	6.97348E-05	8.76031E-05	**7189**	7.34634E-05
7.4766E-05	7.89798E-05	2.14332E-05	7.13694E-05	9.33751E-05	7.61489E-05	8.03519E-05	2.24667E-05	7.13694E-05	8.59058E-05	**7190**	7.47657E-05
7.80794E-05	8.25009E-05	2.21181E-05	7.48491E-05	9.79042E-05	7.97226E-05	8.41417E-05	2.32792E-05	7.48491E-05	8.91115E-05	**7191**	7.80382E-05
8.43342E-05	8.91256E-05	2.3691E-05	8.06527E-05	9.47903E-05	8.60544E-05	9.08397E-05	2.49344E-05	8.06527E-05	8.59281E-05	**7192**	8.42197E-05
9.22181E-05	9.74869E-05	2.5534E-05	8.71613E-05	9.23225E-05	9.36788E-05	9.8918E-05	2.6761E-05	8.71613E-05	8.34197E-05	**7193**	9.19011E-05
9.99038E-05	0.000105553	2.84047E-05	9.21933E-05	9.08702E-05	0.000100292	0.000105851	2.9279E-05	9.21933E-05	8.19513E-05	**7194**	9.95525E-05
0.00010647	0.00011235	3.2048E-05	9.51758E-05	7.55385E-05	0.000105098	0.0001108	3.22713E-05	9.51758E-05	6.91402E-05	**7195**	0.000106283
0.000105101	0.000110811	3.28328E-05	9.20967E-05	6.22759E-05	0.000102647	0.00010813	3.26124E-05	9.20967E-05	5.84809E-05	**7196**	0.000105063
0.000100649	0.000106123	3.13729E-05	8.55717E-05	5.33783E-05	9.70624E-05	0.000102235	3.09915E-05	8.55717E-05	5.0818E-05	**7197**	0.00010073
9.34609E-05	9.86072E-05	2.83258E-05	7.781E-05	4.69911E-05	8.94902E-05	9.42995E-05	2.80632E-05	7.781E-05	4.57459E-05	**7198**	9.35753E-05
8.32092E-05	8.78424E-05	2.45685E-05	7.01983E-05	4.59145E-05	8.02301E-05	8.45841E-05	2.46175E-05	7.01983E-05	4.4656E-05	**7199**	8.33062E-05
7.56617E-05	7.9976E-05	2.10574E-05	6.58109E-05	4.54191E-05	7.41262E-05	7.8237E-05	2.16206E-05	6.58109E-05	4.41589E-05	**7200**	7.56606E-05
6.62264E-05	7.01029E-05	1.71621E-05	5.90361E-05	4.54031E-05	6.57933E-05	6.95275E-05	1.80982E-05	5.90361E-05	4.41496E-05	**7201**	6.61151E-05
6.42753E-05	6.80931E-05	1.59544E-05	5.84746E-05	4.61466E-05	6.45421E-05	6.82524E-05	1.7152E-05	5.84746E-05	4.49225E-05	**7202**	6.41118E-05
6.52634E-05	6.91564E-05	1.59912E-05	6.05649E-05	4.8087E-05	6.61375E-05	6.99516E-05	1.74215E-05	6.05649E-05	4.69236E-05	**7203**	6.51395E-05
6.92122E-05	7.3343E-05	1.69303E-05	6.52394E-05	5.10029E-05	7.06238E-05	7.46979E-05	1.85879E-05	6.52394E-05	4.99151E-05	**7204**	6.91199E-05
7.65277E-05	8.10769E-05	1.89494E-05	7.23907E-05	5.48268E-05	7.81687E-05	8.26646E-05	2.07448E-05	7.23907E-05	5.38196E-05	**7205**	7.64302E-05
8.35052E-05	8.84373E-05	2.10822E-05	7.84866E-05	5.55435E-05	8.49833E-05	8.98467E-05	2.2865E-05	7.84866E-05	5.45056E-05	**7206**	8.33912E-05
8.47567E-05	8.96542E-05	2.27701E-05	8.11105E-05	0.000101517	8.66965E-05	9.15736E-05	2.44036E-05	8.11105E-05	9.29674E-05	**7207**	8.47478E-05
7.94173E-05	8.39142E-05	2.25021E-05	7.79115E-05	0.000100417	8.19313E-05	8.64684E-05	2.39811E-05	7.79115E-05	9.17867E-05	**7208**	7.95388E-05
7.49741E-05	7.91872E-05	2.16513E-05	7.284E-05	0.000100906	7.69346E-05	8.11664E-05	2.28839E-05	7.284E-05	9.22535E-05	**7209**	7.51314E-05
7.35618E-05	7.7671E-05	2.15527E-05	7.07016E-05	0.000101242	7.50652E-05	7.91729E-05	2.26001E-05	7.07016E-05	9.25672E-05	**7210**	7.37277E-05
7.25644E-05	7.66023E-05	2.14572E-05	6.88787E-05	0.000102015	7.36016E-05	7.76162E-05	2.2324E-05	6.88787E-05	9.33363E-05	**7211**	7.27011E-05

7.19407E-05	7.59546E-05	2.11371E-05	6.84801E-05	9.53494E-05	7.30856E-05	7.70818E-05	2.20436E-05	6.84801E-05	8.79301E-05	**7212**	7.20581E-05
7.34004E-05	7.75091E-05	2.13969E-05	6.97348E-05	9.50353E-05	7.45358E-05	7.86241E-05	2.23175E-05	6.97348E-05	8.76031E-05	**7213**	7.34634E-05
7.4766E-05	7.89798E-05	2.14332E-05	7.13694E-05	9.33751E-05	7.61489E-05	8.03519E-05	2.24667E-05	7.13694E-05	8.59058E-05	**7214**	7.47657E-05
7.80794E-05	8.25009E-05	2.21181E-05	7.48491E-05	9.79042E-05	7.97226E-05	8.41417E-05	2.32792E-05	7.48491E-05	8.91115E-05	**7215**	7.80382E-05
8.43342E-05	8.91256E-05	2.3691E-05	8.06527E-05	9.47903E-05	8.60544E-05	9.08397E-05	2.49344E-05	8.06527E-05	8.59281E-05	**7216**	8.42197E-05
9.22181E-05	9.74869E-05	2.5534E-05	8.71613E-05	9.23225E-05	9.36788E-05	9.8918E-05	2.6761E-05	8.71613E-05	8.34197E-05	**7217**	9.19011E-05
9.99038E-05	0.000105553	2.84047E-05	9.21933E-05	9.08702E-05	0.000100292	0.000105851	2.9279E-05	9.21933E-05	8.19513E-05	**7218**	9.95525E-05
0.00010647	0.00011235	3.2048E-05	9.51758E-05	7.55385E-05	0.000105098	0.0001108	3.22713E-05	9.51758E-05	6.91402E-05	**7219**	0.000106283
0.000105101	0.000110811	3.28328E-05	9.20967E-05	6.22759E-05	0.000102647	0.00010813	3.26124E-05	9.20967E-05	5.84809E-05	**7220**	0.000105063
0.000100649	0.000106123	3.13729E-05	8.55717E-05	5.33783E-05	9.70624E-05	0.000102235	3.09915E-05	8.55717E-05	5.0818E-05	**7221**	0.00010073
9.34609E-05	9.86072E-05	2.83258E-05	7.781E-05	4.69911E-05	8.94902E-05	9.42995E-05	2.80632E-05	7.781E-05	4.57459E-05	**7222**	9.35753E-05
8.32092E-05	8.78424E-05	2.45685E-05	7.01983E-05	4.59145E-05	8.02301E-05	8.45841E-05	2.46175E-05	7.01983E-05	4.4656E-05	**7223**	8.33062E-05
7.56617E-05	7.9976E-05	2.10574E-05	6.58109E-05	4.54191E-05	7.41262E-05	7.8237E-05	2.16206E-05	6.58109E-05	4.41589E-05	**7224**	7.56606E-05
6.62264E-05	7.01029E-05	1.71621E-05	5.90361E-05	4.54031E-05	6.57933E-05	6.95275E-05	1.80982E-05	5.90361E-05	4.41496E-05	**7225**	6.61151E-05
6.42753E-05	6.80931E-05	1.59544E-05	5.84746E-05	4.61466E-05	6.45421E-05	6.82524E-05	1.7152E-05	5.84746E-05	4.49225E-05	**7226**	6.41118E-05
6.52634E-05	6.91564E-05	1.59912E-05	6.05649E-05	4.8087E-05	6.61375E-05	6.99516E-05	1.742215E-05	6.05649E-05	4.69236E-05	**7227**	6.51395E-05
6.92122E-05	7.3343E-05	1.69303E-05	6.52394E-05	5.10029E-05	7.06238E-05	7.46979E-05	1.85879E-05	6.52394E-05	4.99151E-05	**7228**	6.91199E-05
7.65277E-05	8.10769E-05	1.89494E-05	7.23907E-05	5.48268E-05	7.81687E-05	8.26646E-05	2.07448E-05	7.23907E-05	5.38196E-05	**7229**	7.64302E-05
8.35052E-05	8.84373E-05	2.10822E-05	7.84866E-05	5.55435E-05	8.49833E-05	8.98467E-05	2.2865E-05	7.84866E-05	5.45056E-05	**7230**	8.33912E-05
8.47567E-05	8.96542E-05	2.27701E-05	8.11105E-05	0.000101517	8.66965E-05	9.15736E-05	2.44036E-05	8.11105E-05	9.29674E-05	**7231**	8.47478E-05
7.94173E-05	8.39142E-05	2.25021E-05	7.79115E-05	0.000100417	8.19313E-05	8.64684E-05	2.39811E-05	7.79115E-05	9.17867E-05	**7232**	7.95388E-05
7.49741E-05	7.91872E-05	2.16513E-05	7.284E-05	0.000100906	7.69346E-05	8.11664E-05	2.28839E-05	7.284E-05	9.22535E-05	**7233**	7.51314E-05
7.35618E-05	7.7671E-05	2.15527E-05	7.07016E-05	0.000101242	7.50652E-05	7.91729E-05	2.26001E-05	7.07016E-05	9.25672E-05	**7234**	7.37277E-05
7.25644E-05	7.66023E-05	2.14572E-05	6.88787E-05	0.000102015	7.36016E-05	7.76162E-05	2.2324E-05	6.88787E-05	9.33363E-05	**7235**	7.27011E-05
7.19407E-05	7.59546E-05	2.11371E-05	6.84801E-05	9.53494E-05	7.30856E-05	7.70818E-05	2.20436E-05	6.84801E-05	8.79301E-05	**7236**	7.20581E-05
7.34004E-05	7.75091E-05	2.13969E-05	6.97348E-05	9.50353E-05	7.45358E-05	7.86241E-05	2.23175E-05	6.97348E-05	8.76031E-05	**7237**	7.34634E-05
7.4766E-05	7.89798E-05	2.14332E-05	7.13694E-05	9.33751E-05	7.61489E-05	8.03519E-05	2.24667E-05	7.13694E-05	8.59058E-05	**7238**	7.47657E-05
7.80794E-05	8.25009E-05	2.21181E-05	7.48491E-05	9.79042E-05	7.97226E-05	8.41417E-05	2.32792E-05	7.48491E-05	8.91115E-05	**7239**	7.80382E-05
8.43342E-05	8.91256E-05	2.3691E-05	8.06527E-05	9.47903E-05	8.60544E-05	9.08397E-05	2.49344E-05	8.06527E-05	8.59281E-05	**7240**	8.42197E-05
9.22181E-05	9.74869E-05	2.5534E-05	8.71613E-05	9.23225E-05	9.36788E-05	9.8918E-05	2.6761E-05	8.71613E-05	8.34197E-05	**7241**	9.19011E-05
9.99038E-05	0.000105553	2.84047E-05	9.21933E-05	9.08702E-05	0.000100292	0.000105851	2.9279E-05	9.21933E-05	8.19513E-05	**7242**	9.95525E-05
0.00010647	0.00011235	3.2048E-05	9.51758E-05	7.55385E-05	0.000105098	0.0001108	3.22713E-05	9.51758E-05	6.91402E-05	**7243**	0.000106283
0.000105101	0.000110811	3.28328E-05	9.20967E-05	6.22759E-05	0.000102647	0.00010813	3.26124E-05	9.20967E-05	5.84809E-05	**7244**	0.000105063
0.000100649	0.000106123	3.13729E-05	8.55717E-05	5.33783E-05	9.70624E-05	0.000102235	3.09915E-05	8.55717E-05	5.0818E-05	**7245**	0.00010073
9.34609E-05	9.86072E-05	2.83258E-05	7.781E-05	4.69911E-05	8.94902E-05	9.42995E-05	2.80632E-05	7.781E-05	4.57459E-05	**7246**	9.35753E-05
8.32092E-05	8.78424E-05	2.45685E-05	7.01983E-05	4.59145E-05	8.02301E-05	8.45841E-05	2.46175E-05	7.01983E-05	4.4656E-05	**7247**	8.33062E-05
7.56617E-05	7.9976E-05	2.10574E-05	6.58109E-05	4.54191E-05	7.41262E-05	7.8237E-05	2.16206E-05	6.58109E-05	4.41589E-05	**7248**	7.56606E-05
6.61063E-05	6.99751E-05	1.71407E-05	5.89484E-05	4.56677E-05	6.56814E-05	6.94084E-05	1.80782E-05	5.89484E-05	4.44113E-05	**7249**	6.60009E-05
6.42819E-05	6.80999E-05	1.59598E-05	5.85012E-05	4.64562E-05	6.45578E-05	6.82687E-05	1.71605E-05	5.85012E-05	4.52298E-05	**7250**	6.41212E-05
6.52152E-05	6.91056E-05	1.59757E-05	6.04938E-05	4.84003E-05	6.60768E-05	6.98878E-05	1.74013E-05	6.04938E-05	4.72351E-05	**7251**	6.50885E-05
6.91939E-05	7.33241E-05	1.692E-05	6.51897E-05	5.1376E-05	7.05908E-05	7.46635E-05	1.85725E-05	6.51897E-05	5.02892E-05	**7252**	6.90974E-05
7.647E-05	8.10171E-05	1.89199E-05	7.22491E-05	5.51938E-05	7.80713E-05	8.2563E-05	2.07014E-05	7.22491E-05	5.41883E-05	**7253**	7.63612E-05
8.34627E-05	8.83928E-05	2.10636E-05	7.83985E-05	5.59176E-05	8.49186E-05	8.9779E-05	2.28386E-05	7.83985E-05	5.48825E-05	**7254**	8.33426E-05
8.6385E-05	9.14027E-05	2.2877E-05	8.14515E-05	0.000101792	8.78429E-05	9.2801E-05	2.45153E-05	8.14515E-05	9.32466E-05	**7255**	8.63807E-05
7.99664E-05	8.44954E-05	2.26447E-05	7.85447E-05	0.000100634	8.2545E-05	8.71168E-05	2.41513E-05	7.85447E-05	9.2008E-05	**7256**	8.0094E-05
7.61022E-05	8.03807E-05	2.1951E-05	7.41752E-05	0.000100973	7.82104E-05	8.25138E-05	2.3245E-05	7.41752E-05	9.23241E-05	**7257**	7.62768E-05
7.47525E-05	7.89309E-05	2.18686E-05	7.21087E-05	0.000101236	7.64108E-05	8.05941E-05	2.29805E-05	7.21087E-05	9.25666E-05	**7258**	7.49364E-05
7.36446E-05	7.77453E-05	2.17439E-05	7.01561E-05	0.000101934	7.48228E-05	7.8906E-05	2.26695E-05	7.01561E-05	9.32623E-05	**7259**	7.37978E-05
7.28728E-05	7.69424E-05	2.13649E-05	6.94809E-05	9.52863E-05	7.40949E-05	7.81495E-05	2.23072E-05	6.94809E-05	8.78745E-05	**7260**	7.299E-05
7.4171E-05	7.83264E-05	2.15772E-05	7.05205E-05	9.49709E-05	7.53519E-05	7.94882E-05	2.25213E-05	7.05205E-05	8.75476E-05	**7261**	7.42279E-05
7.54382E-05	7.96925E-05	2.15928E-05	7.20668E-05	9.32612E-05	7.68661E-05	8.1111E-05	2.26485E-05	7.20668E-05	8.57993E-05	**7262**	7.54342E-05
7.89383E-05	8.34113E-05	2.23255E-05	7.5758E-05	9.77453E-05	8.06467E-05	8.51195E-05	2.35176E-05	7.5758E-05	8.89578E-05	**7263**	7.88949E-05
8.52141E-05	9.00581E-05	2.39063E-05	8.15985E-05	9.4621E-05	8.70076E-05	9.1848E-05	2.51836E-05	8.15985E-05	8.57625E-05	**7264**	8.50995E-05
9.29021E-05	9.82117E-05	2.56993E-05	8.7886E-05	9.21692E-05	9.44151E-05	9.9697E-05	2.69511E-05	8.7886E-05	8.32697E-05	**7265**	9.25834E-05
0.000100482	0.000106166	2.85478E-05	9.28232E-05	9.07331E-05	0.000100922	0.000106518	2.94456E-05	9.28232E-05	8.18169E-05	**7266**	0.000100132
0.000106819	0.000112719	3.21395E-05	9.55826E-05	7.54491E-05	0.00010549	0.000111214	3.23809E-05	9.55826E-05	6.90536E-05	**7267**	0.000106636
0.000105633	0.000111374	3.29668E-05	9.26886E-05	6.21708E-05	0.000103232	0.000108748	3.27699E-05	9.26886E-05	5.83783E-05	**7268**	0.000105597
9.97041E-05	0.000105098	3.14408E-05	8.60048E-05	5.32273E-05	9.66735E-05	0.000101808	3.10868E-05	8.60048E-05	5.06693E-05	**7269**	9.97861E-05
9.40188E-05	9.91976E-05	2.84728E-05	7.84641E-05	4.6845E-05	9.01184E-05	9.49631E-05	2.82397E-05	7.84641E-05	4.56028E-05	**7270**	9.41409E-05
8.38206E-05	8.84899E-05	2.47228E-05	7.08798E-05	4.57652E-05	8.0903E-05	8.52956E-05	2.4799E-05	7.08798E-05	4.45098E-05	**7271**	8.3921E-05
7.61326E-05	8.04746E-05	2.1178E-05	6.63447E-05	4.51943E-05	7.46484E-05	7.87889E-05	2.17634E-05	6.63447E-05	4.39379E-05	**7272**	7.61353E-05
6.61063E-05	6.99751E-05	1.71407E-05	5.89484E-05	4.56677E-05	6.56814E-05	6.94084E-05	1.80782E-05	5.89484E-05	4.44113E-05	**7273**	6.60009E-05
6.42819E-05	6.80999E-05	1.59598E-05	5.85012E-05	4.64562E-05	6.45578E-05	6.82687E-05	1.71605E-05	5.85012E-05	4.52298E-05	**7274**	6.41212E-05
6.52152E-05	6.91056E-05	1.59757E-05	6.04938E-05	4.84003E-05	6.60768E-05	6.98878E-05	1.74013E-05	6.04938E-05	4.72351E-05	**7275**	6.50885E-05
6.91939E-05	7.33241E-05	1.692E-05	6.51897E-05	5.1376E-05	7.05908E-05	7.46635E-05	1.85725E-05	6.51897E-05	5.02892E-05	**7276**	6.90974E-05
7.647E-05	8.10171E-05	1.89199E-05	7.22491E-05	5.51938E-05	7.80713E-05	8.2563E-05	2.07014E-05	7.22491E-05	5.41883E-05	**7277**	7.63612E-05
8.34627E-05	8.83928E-05	2.10636E-05	7.83985E-05	5.59176E-05	8.49186E-05	8.9779E-05	2.28386E-05	7.83985E-05	5.48825E-05	**7278**	8.33426E-05
8.6385E-05	9.14027E-05	2.2877E-05	8.14515E-05	0.000101792	8.78429E-05	9.2801E-05	2.45153E-05	8.14515E-05	9.32466E-05	**7279**	8.63807E-05
7.99664E-05	8.44954E-05	2.26447E-05	7.85447E-05	0.000100634	8.2545E-05	8.71168E-05	2.41513E-05	7.85447E-05	9.2008E-05	**7280**	8.0094E-05
7.61022E-05	8.03807E-05	2.1951E-05	7.41752E-05	0.000100973	7.82104E-05	8.25138E-05	2.3245E-05	7.41752E-05	9.23241E-05	**7281**	7.62768E-05
7.47525E-05	7.89309E-05	2.18686E-05	7.21087E-05	0.000101236	7.64108E-05	8.05941E-05	2.29805E-05	7.21087E-05	9.25666E-05	**7282**	7.49364E-05
7.36446E-05	7.77453E-05	2.17439E-05	7.01561E-05	0.000101934	7.48228E-05	7.8906E-05	2.26695E-05	7.01561E-05	9.32623E-05	**7283**	7.37978E-05
7.28728E-05	7.69424E-05	2.13649E-05	6.94809E-05	9.52863E-05	7.40949E-05	7.81495E-05	2.23072E-05	6.94809E-05	8.78745E-05	**7284**	7.299E-05
7.4171E-05	7.83264E-05	2.15772E-05	7.05205E-05	9.49709E-05	7.53519E-05	7.94882E-05	2.25213E-05	7.05205E-05	8.75476E-05	**7285**	7.42279E-05
7.54382E-05	7.96925E-05	2.15928E-05	7.20668E-05	9.32612E-05	7.68661E-05	8.1111E-05	2.26485E-05	7.20668E-05	8.57993E-05	**7286**	7.54342E-05
7.89383E-05	8.34113E-05	2.23255E-05	7.5758E-05	9.77453E-05	8.06467E-05	8.51195E-05	2.35176E-05	7.5758E-05	8.89578E-05	**7287**	7.88949E-05

8.52141E-05	9.00581E-05	2.39063E-05	8.15985E-05	9.4621E-05	8.70076E-05	9.1848E-05	2.51836E-05	8.15985E-05	8.57625E-05	**7288**	8.50995E-05
9.29021E-05	9.82117E-05	2.56993E-05	8.7886E-05	9.21692E-05	9.44151E-05	9.9697E-05	2.69511E-05	8.7886E-05	8.32697E-05	**7289**	9.25834E-05
0.000100482	0.000106166	2.85478E-05	9.28232E-05	9.07331E-05	0.000100922	0.000106518	2.94456E-05	9.28232E-05	8.18169E-05	**7290**	0.000100132
0.000106819	0.000112719	3.21395E-05	9.55826E-05	7.54491E-05	0.00010549	0.000111214	3.23809E-05	9.55826E-05	6.90536E-05	**7291**	0.000106636
0.000105633	0.000111374	3.29668E-05	9.26886E-05	6.21708E-05	0.000103232	0.000108748	3.27699E-05	9.26886E-05	5.83783E-05	**7292**	0.000105597
9.97041E-05	0.000105098	3.14408E-05	8.60048E-05	5.32273E-05	9.66735E-05	0.000101808	3.10868E-05	8.60048E-05	5.06693E-05	**7293**	9.97861E-05
9.40188E-05	9.91976E-05	2.84728E-05	7.84641E-05	4.6845E-05	9.01184E-05	9.49631E-05	2.82397E-05	7.84641E-05	4.56028E-05	**7294**	9.41409E-05
8.38206E-05	8.84899E-05	2.47228E-05	7.08798E-05	4.57652E-05	8.0903E-05	8.52956E-05	2.4799E-05	7.08798E-05	4.45098E-05	**7295**	8.3921E-05
7.61326E-05	8.04746E-05	2.1178E-05	6.63447E-05	4.51943E-05	7.46484E-05	7.87889E-05	2.17634E-05	6.63447E-05	4.39379E-05	**7296**	7.61353E-05
6.62264E-05	7.01029E-05	1.71621E-05	5.90361E-05	4.54031E-05	6.57933E-05	6.95275E-05	1.80982E-05	5.90361E-05	4.41496E-05	**7297**	6.61151E-05
6.42753E-05	6.80931E-05	1.59544E-05	5.84746E-05	4.61466E-05	6.45421E-05	6.82524E-05	1.7152E-05	5.84746E-05	4.49225E-05	**7298**	6.41118E-05
6.52634E-05	6.91564E-05	1.59912E-05	6.05649E-05	4.8087E-05	6.61375E-05	6.99516E-05	1.74215E-05	6.05649E-05	4.69236E-05	**7299**	6.51395E-05
6.92122E-05	7.3343E-05	1.69303E-05	6.52394E-05	5.10029E-05	7.06238E-05	7.46979E-05	1.85879E-05	6.52394E-05	4.99151E-05	**7300**	6.91199E-05
7.65277E-05	8.10769E-05	1.89494E-05	7.23907E-05	5.48268E-05	7.81687E-05	8.26646E-05	2.07448E-05	7.23907E-05	5.38196E-05	**7301**	7.64302E-05
8.35052E-05	8.84373E-05	2.10822E-05	7.84866E-05	5.55435E-05	8.49833E-05	8.98467E-05	2.2865E-05	7.84866E-05	5.45056E-05	**7302**	8.33912E-05
8.47567E-05	8.96542E-05	2.27701E-05	8.11105E-05	0.000101517	8.66965E-05	9.15736E-05	2.44036E-05	8.11105E-05	9.29674E-05	**7303**	8.47478E-05
7.94173E-05	8.39142E-05	2.25021E-05	7.79115E-05	0.000100417	8.19313E-05	8.64684E-05	2.39811E-05	7.79115E-05	9.17867E-05	**7304**	7.95388E-05
7.49741E-05	7.91872E-05	2.16513E-05	7.284E-05	0.000100906	7.69346E-05	8.11664E-05	2.28839E-05	7.284E-05	9.22535E-05	**7305**	7.51314E-05
7.35618E-05	7.7671E-05	2.15527E-05	7.07016E-05	0.000101242	7.50652E-05	7.91729E-05	2.26001E-05	7.07016E-05	9.25672E-05	**7306**	7.37277E-05
7.25644E-05	7.66023E-05	2.14572E-05	6.88787E-05	0.000102015	7.36016E-05	7.76162E-05	2.2324E-05	6.88787E-05	9.33363E-05	**7307**	7.27011E-05
7.19407E-05	7.59546E-05	2.11371E-05	6.84801E-05	9.53494E-05	7.30856E-05	7.70818E-05	2.20436E-05	6.84801E-05	8.79301E-05	**7308**	7.20581E-05
7.34004E-05	7.75091E-05	2.13969E-05	6.97348E-05	9.50353E-05	7.45358E-05	7.86241E-05	2.23175E-05	6.97348E-05	8.76031E-05	**7309**	7.34634E-05
7.4766E-05	7.89798E-05	2.14332E-05	7.13694E-05	9.33751E-05	7.61489E-05	8.03519E-05	2.24667E-05	7.13694E-05	8.59058E-05	**7310**	7.47657E-05
7.80794E-05	8.25009E-05	2.21181E-05	7.48491E-05	9.79042E-05	7.97226E-05	8.41417E-05	2.32792E-05	7.48491E-05	8.91115E-05	**7311**	7.80382E-05
8.43342E-05	8.91256E-05	2.3691E-05	8.06527E-05	9.47903E-05	8.60544E-05	9.08397E-05	2.49344E-05	8.06527E-05	8.59281E-05	**7312**	8.42197E-05
9.22181E-05	9.74869E-05	2.5534E-05	8.71613E-05	9.23225E-05	9.36788E-05	9.8918E-05	2.6761E-05	8.71613E-05	8.34197E-05	**7313**	9.19011E-05
9.99038E-05	0.000105553	2.84047E-05	9.21933E-05	9.08702E-05	0.000100292	0.000105851	2.9279E-05	9.21933E-05	8.19513E-05	**7314**	9.95525E-05
0.00010647	0.00011235	3.2048E-05	9.51758E-05	7.55385E-05	0.000105098	0.0001108	3.22713E-05	9.51758E-05	6.91402E-05	**7315**	0.000106283
0.000105101	0.000110811	3.28328E-05	9.20967E-05	6.22759E-05	0.000102647	0.00010813	3.26124E-05	9.20967E-05	5.84809E-05	**7316**	0.000105063
0.000100649	0.000106123	3.13729E-05	8.55717E-05	5.33783E-05	9.70624E-05	0.000102235	3.09915E-05	8.55717E-05	5.0818E-05	**7317**	0.00010073
9.34609E-05	9.86072E-05	2.83258E-05	7.781E-05	4.69911E-05	8.94902E-05	9.42995E-05	2.80632E-05	7.781E-05	4.57459E-05	**7318**	9.35753E-05
8.32092E-05	8.78424E-05	2.45685E-05	7.01983E-05	4.59145E-05	8.02301E-05	8.45841E-05	2.46175E-05	7.01983E-05	4.4656E-05	**7319**	8.33062E-05
7.56617E-05	7.9976E-05	2.10574E-05	6.58109E-05	4.54191E-05	7.41262E-05	7.8237E-05	2.16206E-05	6.58109E-05	4.41589E-05	**7320**	7.56606E-05
7.68014E-05	8.12829E-05	2.00812E-05	7.21235E-05	4.31381E-05	7.80032E-05	8.2413E-05	2.16777E-05	7.21235E-05	4.193E-05	**7321**	7.69332E-05
7.43743E-05	7.87651E-05	1.88025E-05	7.12857E-05	4.35061E-05	7.63395E-05	8.06975E-05	2.06766E-05	7.12857E-05	4.23123E-05	**7322**	7.44873E-05
7.38231E-05	7.81982E-05	1.84484E-05	7.16475E-05	4.44542E-05	7.6235E-05	8.05998E-05	2.04851E-05	7.16475E-05	4.32934E-05	**7323**	7.39654E-05
7.6773E-05	8.13282E-05	1.91192E-05	7.51242E-05	4.6488E-05	7.95849E-05	8.41461E-05	2.13264E-05	7.51242E-05	4.53837E-05	**7324**	7.69294E-05
8.37624E-05	8.87163E-05	2.10626E-05	8.19463E-05	4.88301E-05	8.67858E-05	9.17486E-05	2.33982E-05	8.19463E-05	4.77865E-05	**7325**	8.39166E-05
9.25803E-05	9.80306E-05	2.35965E-05	8.97654E-05	4.89286E-05	9.54822E-05	0.000100926	2.5953E-05	8.97654E-05	4.7839E-05	**7326**	9.26815E-05
9.53711E-05	0.000100879	2.56607E-05	9.40426E-05	9.41393E-05	9.88624E-05	0.000104416	2.79272E-05	9.40426E-05	8.55206E-05	**7327**	9.55772E-05
9.3112E-05	9.8409E-05	2.60701E-05	9.37588E-05	9.25116E-05	9.72603E-05	0.000102664	2.82426E-05	9.37588E-05	8.37961E-05	**7328**	9.3392E-05
9.05136E-05	9.56363E-05	2.56771E-05	9.07038E-05	9.26997E-05	9.42767E-05	9.94908E-05	2.76792E-05	9.07038E-05	8.39759E-05	**7329**	9.0834E-05
8.88393E-05	9.38636E-05	2.52492E-05	8.69086E-05	9.29354E-05	9.15206E-05	9.65836E-05	2.6854E-05	8.69086E-05	8.42033E-05	**7330**	8.89732E-05
8.79035E-05	9.28713E-05	2.50277E-05	8.44208E-05	9.37694E-05	8.98031E-05	9.47713E-05	2.6347E-05	8.44208E-05	8.50433E-05	**7331**	8.79045E-05
8.6133E-05	9.10187E-05	2.4296E-05	8.21107E-05	8.74906E-05	8.77472E-05	9.26199E-05	2.55112E-05	8.21107E-05	8.00328E-05	**7332**	8.60184E-05
8.55651E-05	9.04131E-05	2.42049E-05	8.19382E-05	8.79934E-05	8.73308E-05	9.21744E-05	2.54664E-05	8.19382E-05	8.05386E-05	**7333**	8.55031E-05
8.58234E-05	9.07021E-05	2.40754E-05	8.29275E-05	8.73702E-05	8.79834E-05	9.28764E-05	2.54871E-05	8.29275E-05	7.99E-05	**7334**	8.57754E-05
8.79607E-05	9.29786E-05	2.4451E-05	8.50314E-05	9.2906E-05	9.0234E-05	9.52687E-05	2.59286E-05	8.50314E-05	8.41415E-05	**7335**	8.78561E-05
9.44775E-05	9.98833E-05	2.60587E-05	9.09648E-05	9.04334E-05	9.67832E-05	0.000102199	2.76064E-05	9.09648E-05	8.16085E-05	**7336**	9.42781E-05
0.000104257	0.000110248	2.84406E-05	9.99001E-05	8.87163E-05	0.000106632	0.000112624	3.0102E-05	9.99001E-05	7.98482E-05	**7337**	0.00010391
0.000113655	0.000120128	3.17269E-05	0.000106756	8.73427E-05	0.000115092	0.000121511	3.30993E-05	0.000106756	7.84444E-05	**7338**	0.000113271
0.000120363	0.000127076	3.53941E-05	0.000109834	7.19947E-05	0.000120027	0.000126597	3.61127E-05	0.000109834	6.56054E-05	**7339**	0.000120135
0.00011974	0.000126327	3.63786E-05	0.000107646	5.92985E-05	0.000118423	0.000124822	3.66952E-05	0.000107646	5.55146E-05	**7340**	0.000119674
0.00011716	0.00012362	3.54027E-05	0.000103269	5.10263E-05	0.000114926	0.000121132	3.56505E-05	0.000103269	4.84889E-05	**7341**	0.000117232
0.000110622	0.000116792	3.25317E-05	9.6294E-05	4.51703E-05	0.000108096	0.000113981	3.29364E-05	9.6294E-05	4.39612E-05	**7342**	0.00011074
9.93107E-05	0.000104899	2.85767E-05	8.78624E-05	4.38967E-05	9.78285E-05	0.000103194	2.92989E-05	8.78624E-05	4.26623E-05	**7343**	9.94566E-05
9.02174E-05	9.5387E-05	2.47874E-05	8.23313E-05	4.29804E-05	9.02773E-05	9.53066E-05	2.60402E-05	8.23313E-05	4.17287E-05	**7344**	9.03389E-05
7.68014E-05	8.12829E-05	2.00812E-05	7.21235E-05	4.31381E-05	7.80032E-05	8.2413E-05	2.16777E-05	7.21235E-05	4.193E-05	**7345**	7.69332E-05
7.43743E-05	7.87651E-05	1.88025E-05	7.12857E-05	4.35061E-05	7.63395E-05	8.06975E-05	2.06766E-05	7.12857E-05	4.23123E-05	**7346**	7.44873E-05
7.38231E-05	7.81982E-05	1.84484E-05	7.16475E-05	4.44542E-05	7.6235E-05	8.05998E-05	2.04851E-05	7.16475E-05	4.32934E-05	**7347**	7.39654E-05
7.6773E-05	8.13282E-05	1.91192E-05	7.51242E-05	4.6488E-05	7.95849E-05	8.41461E-05	2.13264E-05	7.51242E-05	4.53837E-05	**7348**	7.69294E-05
8.37624E-05	8.87163E-05	2.10626E-05	8.19463E-05	4.88301E-05	8.67858E-05	9.17486E-05	2.33982E-05	8.19463E-05	4.77865E-05	**7349**	8.39166E-05
9.25803E-05	9.80306E-05	2.35965E-05	8.97654E-05	4.89286E-05	9.54822E-05	0.000100926	2.5953E-05	8.97654E-05	4.7839E-05	**7350**	9.26815E-05
9.53711E-05	0.000100879	2.56607E-05	9.40426E-05	9.41393E-05	9.88624E-05	0.000104416	2.79272E-05	9.40426E-05	8.55206E-05	**7351**	9.55772E-05
9.3112E-05	9.8409E-05	2.60701E-05	9.37588E-05	9.25116E-05	9.72603E-05	0.000102664	2.82426E-05	9.37588E-05	8.37961E-05	**7352**	9.3392E-05
9.05136E-05	9.56363E-05	2.56771E-05	9.07038E-05	9.26997E-05	9.42767E-05	9.94908E-05	2.76792E-05	9.07038E-05	8.39759E-05	**7353**	9.0834E-05
8.88393E-05	9.38636E-05	2.52492E-05	8.69086E-05	9.29354E-05	9.15206E-05	9.65836E-05	2.6854E-05	8.69086E-05	8.42033E-05	**7354**	8.89732E-05
8.79035E-05	9.28713E-05	2.50277E-05	8.44208E-05	9.37694E-05	8.98031E-05	9.47713E-05	2.6347E-05	8.44208E-05	8.50433E-05	**7355**	8.79045E-05
8.6133E-05	9.10187E-05	2.4296E-05	8.21107E-05	8.74906E-05	8.77472E-05	9.26199E-05	2.55112E-05	8.21107E-05	8.00328E-05	**7356**	8.60184E-05
8.55651E-05	9.04131E-05	2.42049E-05	8.19382E-05	8.79934E-05	8.73308E-05	9.21744E-05	2.54664E-05	8.19382E-05	8.05386E-05	**7357**	8.55031E-05
8.58234E-05	9.07021E-05	2.40754E-05	8.29275E-05	8.73702E-05	8.79834E-05	9.28764E-05	2.54871E-05	8.29275E-05	7.99E-05	**7358**	8.57754E-05
8.79607E-05	9.29786E-05	2.4451E-05	8.50314E-05	9.2906E-05	9.0234E-05	9.52687E-05	2.59286E-05	8.50314E-05	8.41415E-05	**7359**	8.78561E-05
9.44775E-05	9.98833E-05	2.60587E-05	9.09648E-05	9.04334E-05	9.67832E-05	0.000102199	2.76064E-05	9.09648E-05	8.16085E-05	**7360**	9.42781E-05
0.000104257	0.000110248	2.84406E-05	9.99001E-05	8.87163E-05	0.000106632	0.000112624	3.0102E-05	9.99001E-05	7.98482E-05	**7361**	0.00010391
0.000113655	0.000120128	3.17269E-05	0.000106756	8.73427E-05	0.000115092	0.000121511	3.30993E-05	0.000106756	7.84444E-05	**7362**	0.000113271
0.000120363	0.000127076	3.53941E-05	0.000109834	7.19947E-05	0.000120027	0.000126597	3.61127E-05	0.000109834	6.56054E-05	**7363**	0.000120135

0.00011974	0.000126327	3.63786E-05	0.000107646	5.92985E-05	0.000118423	0.000124822	3.66952E-05	0.000107646	5.55146E-05	**7364**	0.000119674
0.00011716	0.00012362	3.54027E-05	0.000103269	5.10263E-05	0.000114926	0.000121132	3.56505E-05	0.000103269	4.84889E-05	**7365**	0.000117232
0.000110622	0.000116792	3.25317E-05	9.6294E-05	4.51703E-05	0.000108096	0.000113981	3.29364E-05	9.6294E-05	4.39612E-05	**7366**	0.00011074
9.93107E-05	0.000104899	2.85767E-05	8.78624E-05	4.38967E-05	9.78285E-05	0.000103194	2.92989E-05	8.78624E-05	4.26623E-05	**7367**	9.94566E-05
9.02174E-05	9.5387E-05	2.47874E-05	8.23313E-05	4.29804E-05	9.02773E-05	9.53066E-05	2.60402E-05	8.23313E-05	4.17287E-05	**7368**	9.03389E-05
7.68014E-05	8.12829E-05	2.00812E-05	7.21235E-05	4.31381E-05	7.80032E-05	8.2413E-05	2.16777E-05	7.21235E-05	4.193E-05	**7369**	7.69332E-05
7.43743E-05	7.87651E-05	1.88025E-05	7.12857E-05	4.35061E-05	7.63395E-05	8.06975E-05	2.06766E-05	7.12857E-05	4.23123E-05	**7370**	7.44873E-05
7.38231E-05	7.81982E-05	1.84484E-05	7.16475E-05	4.44542E-05	7.6235E-05	8.05998E-05	2.04851E-05	7.16475E-05	4.32934E-05	**7371**	7.39654E-05
7.6773E-05	8.13282E-05	1.91192E-05	7.51242E-05	4.6488E-05	7.95849E-05	8.41461E-05	2.13264E-05	7.51242E-05	4.53837E-05	**7372**	7.69294E-05
8.37624E-05	8.87163E-05	2.10626E-05	8.19463E-05	4.88301E-05	8.67858E-05	9.17486E-05	2.33982E-05	8.19463E-05	4.77865E-05	**7373**	8.39166E-05
9.25803E-05	9.80306E-05	2.35965E-05	8.97654E-05	4.89286E-05	9.54822E-05	0.000100926	2.5953E-05	8.97654E-05	4.7839E-05	**7374**	9.26815E-05
9.53711E-05	0.000100879	2.56607E-05	9.40426E-05	9.41393E-05	9.88624E-05	0.000104416	2.79272E-05	9.40426E-05	8.55206E-05	**7375**	9.55772E-05
9.3112E-05	9.8409E-05	2.60701E-05	9.37588E-05	9.25116E-05	9.72603E-05	0.000102664	2.82426E-05	9.37588E-05	8.37961E-05	**7376**	9.3392E-05
9.05136E-05	9.56363E-05	2.56771E-05	9.07038E-05	9.26997E-05	9.42767E-05	9.94908E-05	2.76792E-05	9.07038E-05	8.39759E-05	**7377**	9.0834E-05
8.88393E-05	9.38636E-05	2.52492E-05	8.69086E-05	9.29354E-05	9.15206E-05	9.65836E-05	2.6854E-05	8.69086E-05	8.42033E-05	**7378**	8.89732E-05
8.79035E-05	9.28713E-05	2.50277E-05	8.44208E-05	9.37694E-05	8.98031E-05	9.47713E-05	2.6347E-05	8.44208E-05	8.50433E-05	**7379**	8.79045E-05
8.6133E-05	9.10187E-05	2.4296E-05	8.21107E-05	8.74906E-05	8.77472E-05	9.26199E-05	2.55112E-05	8.21107E-05	8.00328E-05	**7380**	8.60184E-05
8.55651E-05	9.04131E-05	2.42049E-05	8.19382E-05	8.79934E-05	8.73308E-05	9.21744E-05	2.54664E-05	8.19382E-05	8.05386E-05	**7381**	8.55031E-05
8.58234E-05	9.07021E-05	2.40754E-05	8.29275E-05	8.73702E-05	8.79834E-05	9.28764E-05	2.54871E-05	8.29275E-05	7.99E-05	**7382**	8.57754E-05
8.79607E-05	9.29786E-05	2.4451E-05	8.50314E-05	9.2906E-05	9.0234E-05	9.52687E-05	2.59286E-05	8.50314E-05	8.41415E-05	**7383**	8.78561E-05
9.44775E-05	9.98833E-05	2.60587E-05	9.09648E-05	9.04334E-05	9.67832E-05	0.000102199	2.76064E-05	9.09648E-05	8.16085E-05	**7384**	9.42781E-05
0.000104257	0.000110248	2.84406E-05	9.99001E-05	8.87163E-05	0.000106632	0.000112624	3.0102E-05	9.99001E-05	7.98482E-05	**7385**	0.00010391
0.000113655	0.000120128	3.17269E-05	0.000106756	8.73427E-05	0.000115092	0.000121511	3.30993E-05	0.000106756	7.84444E-05	**7386**	0.000113271
0.000120363	0.000127076	3.53941E-05	0.000109834	7.19947E-05	0.000120027	0.000126597	3.61127E-05	0.000109834	6.56054E-05	**7387**	0.000120135
0.00011974	0.000126327	3.63786E-05	0.000107646	5.92985E-05	0.000118423	0.000124822	3.66952E-05	0.000107646	5.55146E-05	**7388**	0.000119674
0.00011716	0.00012362	3.54027E-05	0.000103269	5.10263E-05	0.000114926	0.000121132	3.56505E-05	0.000103269	4.84889E-05	**7389**	0.000117232
0.000110622	0.000116792	3.25317E-05	9.6294E-05	4.51703E-05	0.000108096	0.000113981	3.29364E-05	9.6294E-05	4.39612E-05	**7390**	0.00011074
9.93107E-05	0.000104899	2.85767E-05	8.78624E-05	4.38967E-05	9.78285E-05	0.000103194	2.92989E-05	8.78624E-05	4.26623E-05	**7391**	9.94566E-05
9.02174E-05	9.5387E-05	2.47874E-05	8.23313E-05	4.29804E-05	9.02773E-05	9.53066E-05	2.60402E-05	8.23313E-05	4.17287E-05	**7392**	9.03389E-05
7.68014E-05	8.12829E-05	2.00812E-05	7.21235E-05	4.31381E-05	7.80032E-05	8.2413E-05	2.16777E-05	7.21235E-05	4.193E-05	**7393**	7.69332E-05
7.43743E-05	7.87651E-05	1.88025E-05	7.12857E-05	4.35061E-05	7.63395E-05	8.06975E-05	2.06766E-05	7.12857E-05	4.23123E-05	**7394**	7.44873E-05
7.38231E-05	7.81982E-05	1.84484E-05	7.16475E-05	4.44542E-05	7.6235E-05	8.05998E-05	2.04851E-05	7.16475E-05	4.32934E-05	**7395**	7.39654E-05
7.6773E-05	8.13282E-05	1.91192E-05	7.51242E-05	4.6488E-05	7.95849E-05	8.41461E-05	2.13264E-05	7.51242E-05	4.53837E-05	**7396**	7.69294E-05
8.37624E-05	8.87163E-05	2.10626E-05	8.19463E-05	4.88301E-05	8.67858E-05	9.17486E-05	2.33982E-05	8.19463E-05	4.77865E-05	**7397**	8.39166E-05
9.25803E-05	9.80306E-05	2.35965E-05	8.97654E-05	4.89286E-05	9.54822E-05	0.000100926	2.5953E-05	8.97654E-05	4.7839E-05	**7398**	9.26815E-05
9.53711E-05	0.000100879	2.56607E-05	9.40426E-05	9.41393E-05	9.88624E-05	0.000104416	2.79272E-05	9.40426E-05	8.55206E-05	**7399**	9.55772E-05
9.3112E-05	9.8409E-05	2.60701E-05	9.37588E-05	9.25116E-05	9.72603E-05	0.000102664	2.82426E-05	9.37588E-05	8.37961E-05	**7400**	9.3392E-05
9.05136E-05	9.56363E-05	2.56771E-05	9.07038E-05	9.26997E-05	9.42767E-05	9.94908E-05	2.76792E-05	9.07038E-05	8.39759E-05	**7401**	9.0834E-05
8.88393E-05	9.38636E-05	2.52492E-05	8.69086E-05	9.29354E-05	9.15206E-05	9.65836E-05	2.6854E-05	8.69086E-05	8.42033E-05	**7402**	8.89732E-05
8.79035E-05	9.28713E-05	2.50277E-05	8.44208E-05	9.37694E-05	8.98031E-05	9.47713E-05	2.6347E-05	8.44208E-05	8.50433E-05	**7403**	8.79045E-05
8.6133E-05	9.10187E-05	2.4296E-05	8.21107E-05	8.74906E-05	8.77472E-05	9.26199E-05	2.55112E-05	8.21107E-05	8.00328E-05	**7404**	8.60184E-05
8.55651E-05	9.04131E-05	2.42049E-05	8.19382E-05	8.79934E-05	8.73308E-05	9.21744E-05	2.54664E-05	8.19382E-05	8.05386E-05	**7405**	8.55031E-05
8.58234E-05	9.07021E-05	2.40754E-05	8.29275E-05	8.73702E-05	8.79834E-05	9.28764E-05	2.54871E-05	8.29275E-05	7.99E-05	**7406**	8.57754E-05
8.79607E-05	9.29786E-05	2.4451E-05	8.50314E-05	9.2906E-05	9.0234E-05	9.52687E-05	2.59286E-05	8.50314E-05	8.41415E-05	**7407**	8.78561E-05
9.44775E-05	9.98833E-05	2.60587E-05	9.09648E-05	9.04334E-05	9.67832E-05	0.000102199	2.76064E-05	9.09648E-05	8.16085E-05	**7408**	9.42781E-05
0.000104257	0.000110248	2.84406E-05	9.99001E-05	8.87163E-05	0.000106632	0.000112624	3.0102E-05	9.99001E-05	7.98482E-05	**7409**	0.00010391
0.000113655	0.000120128	3.17269E-05	0.000106756	8.73427E-05	0.000115092	0.000121511	3.30993E-05	0.000106756	7.84444E-05	**7410**	0.000113271
0.000120363	0.000127076	3.53941E-05	0.000109834	7.19947E-05	0.000120027	0.000126597	3.61127E-05	0.000109834	6.56054E-05	**7411**	0.000120135
0.00011974	0.000126327	3.63786E-05	0.000107646	5.92985E-05	0.000118423	0.000124822	3.66952E-05	0.000107646	5.55146E-05	**7412**	0.000119674
0.00011716	0.00012362	3.54027E-05	0.000103269	5.10263E-05	0.000114926	0.000121132	3.56505E-05	0.000103269	4.84889E-05	**7413**	0.000117232
0.000110622	0.000116792	3.25317E-05	9.6294E-05	4.51703E-05	0.000108096	0.000113981	3.29364E-05	9.6294E-05	4.39612E-05	**7414**	0.00011074
9.93107E-05	0.000104899	2.85767E-05	8.78624E-05	4.38967E-05	9.78285E-05	0.000103194	2.92989E-05	8.78624E-05	4.26623E-05	**7415**	9.94566E-05
9.02174E-05	9.5387E-05	2.47874E-05	8.23313E-05	4.29804E-05	9.02773E-05	9.53066E-05	2.60402E-05	8.23313E-05	4.17287E-05	**7416**	9.03389E-05
7.7687E-05	8.22237E-05	2.02674E-05	7.29175E-05	4.27639E-05	7.88932E-05	8.33573E-05	2.18748E-05	7.29175E-05	4.15423E-05	**7417**	7.77963E-05
7.42398E-05	7.86211E-05	1.87875E-05	7.12342E-05	4.35729E-05	7.62346E-05	8.05849E-05	2.06701E-05	7.12342E-05	4.23829E-05	**7418**	7.43661E-05
7.3722E-05	7.80897E-05	1.84418E-05	7.16328E-05	4.45534E-05	7.61666E-05	8.05259E-05	2.04884E-05	7.16328E-05	4.33973E-05	**7419**	7.38776E-05
7.67003E-05	8.12488E-05	1.91313E-05	7.52014E-05	4.66327E-05	7.95742E-05	8.41321E-05	2.13586E-05	7.52014E-05	4.55342E-05	**7420**	7.68787E-05
8.37135E-05	8.86631E-05	2.10688E-05	8.19881E-05	4.90249E-05	8.67743E-05	9.17347E-05	2.34164E-05	8.19881E-05	4.79882E-05	**7421**	8.38811E-05
9.24485E-05	9.78903E-05	2.35733E-05	8.96705E-05	4.92335E-05	9.53599E-05	0.000100796	2.59316E-05	8.96705E-05	4.81533E-05	**7422**	9.25564E-05
9.66481E-05	0.000102255	2.56795E-05	9.39947E-05	9.46898E-05	9.96231E-05	0.000105236	2.79355E-05	9.39947E-05	8.60869E-05	**7423**	9.68572E-05
9.26738E-05	9.79439E-05	2.59714E-05	9.33323E-05	9.33084E-05	9.68052E-05	0.000102182	2.81336E-05	9.33323E-05	8.46144E-05	**7424**	9.29602E-05
8.97393E-05	9.48119E-05	2.55375E-05	9.01301E-05	9.34958E-05	9.35514E-05	9.8719E-05	2.75478E-05	9.01301E-05	8.47926E-05	**7425**	9.00965E-05
8.77414E-05	9.2698E-05	2.50079E-05	8.58703E-05	9.36894E-05	9.03935E-05	9.53888E-05	2.65912E-05	8.58703E-05	8.49755E-05	**7426**	8.78956E-05
8.65074E-05	9.13885E-05	2.47284E-05	8.31396E-05	9.44993E-05	8.8387E-05	9.32694E-05	2.60262E-05	8.31396E-05	8.57897E-05	**7427**	8.65396E-05
8.46789E-05	8.94736E-05	2.39932E-05	8.08223E-05	8.82316E-05	8.62925E-05	9.10762E-05	2.51926E-05	8.08223E-05	8.07893E-05	**7428**	8.46034E-05
8.42266E-05	8.89922E-05	2.3911E-05	8.06736E-05	8.87376E-05	8.59573E-05	9.07183E-05	2.51465E-05	8.06736E-05	8.12965E-05	**7429**	8.41895E-05
8.42045E-05	8.89827E-05	2.37286E-05	8.14429E-05	8.79624E-05	8.63417E-05	9.11353E-05	2.51154E-05	8.14429E-05	8.05012E-05	**7430**	8.41929E-05
8.6962E-05	9.19179E-05	2.42369E-05	8.41148E-05	9.33949E-05	8.9221E-05	9.41943E-05	2.56991E-05	8.41148E-05	8.46369E-05	**7431**	8.68797E-05
9.35788E-05	9.89316E-05	2.58311E-05	8.99588E-05	9.08336E-05	9.57921E-05	0.000101152	2.73383E-05	8.99588E-05	8.20142E-05	**7432**	9.33738E-05
0.000103667	0.000109623	2.82857E-05	9.92115E-05	8.90452E-05	0.000105969	0.000111923	2.99164E-05	9.92115E-05	8.01822E-05	**7433**	0.000103312
0.000112857	0.000119283	3.15207E-05	0.000105841	8.75999E-05	0.000114202	0.000120571	3.28541E-05	0.000105841	7.87064E-05	**7434**	0.000112465
0.000119629	0.000126298	3.52174E-05	0.00010906	7.22371E-05	0.000119238	0.000125762	3.59099E-05	0.00010906	6.58525E-05	**7435**	0.000119403
0.000119049	0.000125594	3.61999E-05	0.000106854	5.95222E-05	0.000117653	0.000124008	3.64828E-05	0.000106854	5.57436E-05	**7436**	0.000118975
0.000114977	0.000121284	3.51571E-05	0.000102316	5.1218E-05	0.000113172	0.000119263	3.53764E-05	0.000102316	4.86856E-05	**7437**	0.000115043
0.000109946	0.000116076	3.23606E-05	9.55377E-05	4.53286E-05	0.000107351	0.000113193	3.27348E-05	9.55377E-05	4.41237E-05	**7438**	0.000110059
9.88317E-05	0.000104393	2.8442E-05	8.72565E-05	4.39391E-05	9.72697E-05	0.000102604	2.91324E-05	8.72565E-05	4.27053E-05	**7439**	9.89647E-05

8.98761E-05	9.50262E-05	2.46936E-05	8.19114E-05	4.28658E-05	8.98843E-05	9.48918E-05	2.59255E-05	8.19114E-05	4.16104E-05	**7440**	8.99901E-05
7.7687E-05	8.22237E-05	2.02674E-05	7.29175E-05	4.27639E-05	7.88932E-05	8.33573E-05	2.18748E-05	7.29175E-05	4.15423E-05	**7441**	7.77963E-05
7.42398E-05	7.86211E-05	1.87875E-05	7.12342E-05	4.35729E-05	7.62346E-05	8.05849E-05	2.06701E-05	7.12342E-05	4.23829E-05	**7442**	7.43661E-05
7.3722E-05	7.80897E-05	1.84418E-05	7.16328E-05	4.45534E-05	7.61666E-05	8.05259E-05	2.04884E-05	7.16328E-05	4.33973E-05	**7443**	7.38776E-05
7.67003E-05	8.12488E-05	1.91313E-05	7.52014E-05	4.66327E-05	7.95742E-05	8.41321E-05	2.13586E-05	7.52014E-05	4.55342E-05	**7444**	7.68787E-05
8.37135E-05	8.86631E-05	2.10688E-05	8.19881E-05	4.90249E-05	8.67743E-05	9.17347E-05	2.34164E-05	8.19881E-05	4.79882E-05	**7445**	8.38811E-05
9.24485E-05	9.78903E-05	2.35733E-05	8.96705E-05	4.92335E-05	9.53599E-05	0.000100796	2.59316E-05	8.96705E-05	4.81533E-05	**7446**	9.25564E-05
9.66481E-05	0.000102255	2.56795E-05	9.39947E-05	9.46898E-05	9.96231E-05	0.000105236	2.79355E-05	9.39947E-05	8.60869E-05	**7447**	9.68572E-05
9.26738E-05	9.79439E-05	2.59714E-05	9.33323E-05	9.33084E-05	9.68052E-05	0.000102182	2.81336E-05	9.33323E-05	8.46144E-05	**7448**	9.29602E-05
8.97393E-05	9.48119E-05	2.55375E-05	9.01301E-05	9.34958E-05	9.35514E-05	9.8719E-05	2.75478E-05	9.01301E-05	8.47926E-05	**7449**	9.00965E-05
8.77414E-05	9.2698E-05	2.50079E-05	8.58703E-05	9.36894E-05	9.03935E-05	9.53888E-05	2.65912E-05	8.58703E-05	8.49755E-05	**7450**	8.78956E-05
8.65074E-05	9.13885E-05	2.47284E-05	8.31396E-05	9.44993E-05	8.8387E-05	9.32694E-05	2.60262E-05	8.31396E-05	8.57897E-05	**7451**	8.65396E-05
8.46789E-05	8.94736E-05	2.39932E-05	8.08223E-05	8.82316E-05	8.62925E-05	9.10762E-05	2.51926E-05	8.08223E-05	8.07893E-05	**7452**	8.46034E-05
8.42266E-05	8.89922E-05	2.3911E-05	8.06736E-05	8.87376E-05	8.59573E-05	9.07183E-05	2.51465E-05	8.06736E-05	8.12965E-05	**7453**	8.41895E-05
8.42045E-05	8.89827E-05	2.37286E-05	8.14429E-05	8.79624E-05	8.63417E-05	9.11353E-05	2.51154E-05	8.14429E-05	8.05012E-05	**7454**	8.41929E-05
8.6962E-05	9.19179E-05	2.42369E-05	8.41148E-05	9.33949E-05	8.9221E-05	9.41943E-05	2.56991E-05	8.41148E-05	8.46369E-05	**7455**	8.68797E-05
9.35788E-05	9.89316E-05	2.58311E-05	8.99588E-05	9.08336E-05	9.57921E-05	0.000101152	2.73383E-05	8.99588E-05	8.20142E-05	**7456**	9.33738E-05
0.000103667	0.000109623	2.82857E-05	9.92115E-05	8.90452E-05	0.000105969	0.000111923	2.99164E-05	9.92115E-05	8.01822E-05	**7457**	0.000103312
0.000112857	0.000119283	3.15207E-05	0.000105841	8.75999E-05	0.000114202	0.000120571	3.28541E-05	0.000105841	7.87064E-05	**7458**	0.000112465
0.000119629	0.000126298	3.52174E-05	0.00010906	7.22371E-05	0.000119238	0.000125762	3.59099E-05	0.00010906	6.58525E-05	**7459**	0.000119403
0.000119049	0.000125594	3.61999E-05	0.000106854	5.95222E-05	0.000117653	0.000124008	3.64828E-05	0.000106854	5.57436E-05	**7460**	0.000118975
0.000114977	0.000121284	3.51571E-05	0.000102316	5.1218E-05	0.000113172	0.000119263	3.53764E-05	0.000102316	4.86856E-05	**7461**	0.000115043
0.000109946	0.000116076	3.23606E-05	9.55377E-05	4.53286E-05	0.000107351	0.000113193	3.27348E-05	9.55377E-05	4.41237E-05	**7462**	0.000110059
9.88317E-05	0.000104393	2.8442E-05	8.72565E-05	4.39391E-05	9.72697E-05	0.000102604	2.91324E-05	8.72565E-05	4.27053E-05	**7463**	9.89647E-05
8.98761E-05	9.50262E-05	2.46936E-05	8.19114E-05	4.28658E-05	8.98843E-05	9.48918E-05	2.59255E-05	8.19114E-05	4.16104E-05	**7464**	8.99901E-05
7.68014E-05	8.12829E-05	2.00812E-05	7.21235E-05	4.31381E-05	7.80032E-05	8.2413E-05	2.16777E-05	7.21235E-05	4.193E-05	**7465**	7.69332E-05
7.43743E-05	7.87651E-05	1.88025E-05	7.12857E-05	4.35061E-05	7.63395E-05	8.06975E-05	2.06766E-05	7.12857E-05	4.23123E-05	**7466**	7.44873E-05
7.38231E-05	7.81982E-05	1.84484E-05	7.16475E-05	4.44542E-05	7.6235E-05	8.05998E-05	2.04851E-05	7.16475E-05	4.32934E-05	**7467**	7.39654E-05
7.6773E-05	8.13282E-05	1.91192E-05	7.51242E-05	4.6488E-05	7.95849E-05	8.41461E-05	2.13264E-05	7.51242E-05	4.53837E-05	**7468**	7.69294E-05
8.37624E-05	8.87163E-05	2.10626E-05	8.19463E-05	4.88301E-05	8.67858E-05	9.17486E-05	2.33982E-05	8.19463E-05	4.77865E-05	**7469**	8.39166E-05
9.25803E-05	9.80306E-05	2.35965E-05	8.97654E-05	4.89286E-05	9.54822E-05	0.000100926	2.5953E-05	8.97654E-05	4.7839E-05	**7470**	9.26815E-05
9.53711E-05	0.000100879	2.56607E-05	9.40426E-05	9.41393E-05	9.88624E-05	0.000104416	2.79272E-05	9.40426E-05	8.55206E-05	**7471**	9.55772E-05
9.3112E-05	9.8409E-05	2.60701E-05	9.37588E-05	9.25116E-05	9.72603E-05	0.000102664	2.82426E-05	9.37588E-05	8.37961E-05	**7472**	9.3392E-05
9.05136E-05	9.56363E-05	2.56771E-05	9.07038E-05	9.26997E-05	9.42767E-05	9.94908E-05	2.76792E-05	9.07038E-05	8.39759E-05	**7473**	9.0834E-05
8.88393E-05	9.38636E-05	2.52492E-05	8.69086E-05	9.29354E-05	9.15206E-05	9.65836E-05	2.6854E-05	8.69086E-05	8.42033E-05	**7474**	8.89732E-05
8.79035E-05	9.28713E-05	2.50277E-05	8.44208E-05	9.37694E-05	8.98031E-05	9.47713E-05	2.6347E-05	8.44208E-05	8.50433E-05	**7475**	8.79045E-05
8.6133E-05	9.10187E-05	2.4296E-05	8.21107E-05	8.74906E-05	8.77472E-05	9.26199E-05	2.55112E-05	8.21107E-05	8.00328E-05	**7476**	8.60184E-05
8.55651E-05	9.04131E-05	2.42049E-05	8.19382E-05	8.79934E-05	8.73308E-05	9.21744E-05	2.54664E-05	8.19382E-05	8.05386E-05	**7477**	8.55031E-05
8.58234E-05	9.07021E-05	2.40754E-05	8.29275E-05	8.73702E-05	8.79834E-05	9.28764E-05	2.54871E-05	8.29275E-05	7.99E-05	**7478**	8.57754E-05
8.79607E-05	9.29786E-05	2.4451E-05	8.50314E-05	9.2906E-05	9.0234E-05	9.52687E-05	2.59286E-05	8.50314E-05	8.41415E-05	**7479**	8.78561E-05
9.44775E-05	9.98833E-05	2.60587E-05	9.09648E-05	9.04334E-05	9.67832E-05	0.000102199	2.76064E-05	9.09648E-05	8.16085E-05	**7480**	9.42781E-05
0.000104257	0.000110248	2.84406E-05	9.99001E-05	8.87163E-05	0.000106632	0.000112624	3.0102E-05	9.99001E-05	7.98482E-05	**7481**	0.00010391
0.000113655	0.000120128	3.17269E-05	0.000106756	8.73427E-05	0.000115092	0.000121511	3.30993E-05	0.000106756	7.84444E-05	**7482**	0.000113271
0.000120363	0.000127076	3.53941E-05	0.000109834	7.19947E-05	0.000120027	0.000126597	3.61127E-05	0.000109834	6.56054E-05	**7483**	0.000120135
0.00011974	0.000126327	3.63786E-05	0.000107646	5.92985E-05	0.000118423	0.000124822	3.66952E-05	0.000107646	5.55146E-05	**7484**	0.000119674
0.00011716	0.00012362	3.54027E-05	0.000103269	5.10263E-05	0.000114926	0.000121132	3.56505E-05	0.000103269	4.84889E-05	**7485**	0.000117232
0.000110622	0.000116792	3.25317E-05	9.6294E-05	4.51703E-05	0.000108096	0.000113981	3.29364E-05	9.6294E-05	4.39612E-05	**7486**	0.00011074
9.93107E-05	0.000104899	2.85767E-05	8.78624E-05	4.38967E-05	9.78285E-05	0.000103194	2.92989E-05	8.78624E-05	4.26623E-05	**7487**	9.94566E-05
9.02174E-05	9.5387E-05	2.47874E-05	8.23313E-05	4.29804E-05	9.02773E-05	9.53066E-05	2.60402E-05	8.23313E-05	4.17287E-05	**7488**	9.03389E-05
7.68014E-05	8.12829E-05	2.00812E-05	7.21235E-05	4.31381E-05	7.80032E-05	8.2413E-05	2.16777E-05	7.21235E-05	4.193E-05	**7489**	7.69332E-05
7.43743E-05	7.87651E-05	1.88025E-05	7.12857E-05	4.35061E-05	7.63395E-05	8.06975E-05	2.06766E-05	7.12857E-05	4.23123E-05	**7490**	7.44873E-05
7.38231E-05	7.81982E-05	1.84484E-05	7.16475E-05	4.44542E-05	7.6235E-05	8.05998E-05	2.04851E-05	7.16475E-05	4.32934E-05	**7491**	7.39654E-05
7.6773E-05	8.13282E-05	1.91192E-05	7.51242E-05	4.6488E-05	7.95849E-05	8.41461E-05	2.13264E-05	7.51242E-05	4.53837E-05	**7492**	7.69294E-05
8.37624E-05	8.87163E-05	2.10626E-05	8.19463E-05	4.88301E-05	8.67858E-05	9.17486E-05	2.33982E-05	8.19463E-05	4.77865E-05	**7493**	8.39166E-05
9.25803E-05	9.80306E-05	2.35965E-05	8.97654E-05	4.89286E-05	9.54822E-05	0.000100926	2.5953E-05	8.97654E-05	4.7839E-05	**7494**	9.26815E-05
9.53711E-05	0.000100879	2.56607E-05	9.40426E-05	9.41393E-05	9.88624E-05	0.000104416	2.79272E-05	9.40426E-05	8.55206E-05	**7495**	9.55772E-05
9.3112E-05	9.8409E-05	2.60701E-05	9.37588E-05	9.25116E-05	9.72603E-05	0.000102664	2.82426E-05	9.37588E-05	8.37961E-05	**7496**	9.3392E-05
9.05136E-05	9.56363E-05	2.56771E-05	9.07038E-05	9.26997E-05	9.42767E-05	9.94908E-05	2.76792E-05	9.07038E-05	8.39759E-05	**7497**	9.0834E-05
8.88393E-05	9.38636E-05	2.52492E-05	8.69086E-05	9.29354E-05	9.15206E-05	9.65836E-05	2.6854E-05	8.69086E-05	8.42033E-05	**7498**	8.89732E-05
8.79035E-05	9.28713E-05	2.50277E-05	8.44208E-05	9.37694E-05	8.98031E-05	9.47713E-05	2.6347E-05	8.44208E-05	8.50433E-05	**7499**	8.79045E-05
8.6133E-05	9.10187E-05	2.4296E-05	8.21107E-05	8.74906E-05	8.77472E-05	9.26199E-05	2.55112E-05	8.21107E-05	8.00328E-05	**7500**	8.60184E-05
8.55651E-05	9.04131E-05	2.42049E-05	8.19382E-05	8.79934E-05	8.73308E-05	9.21744E-05	2.54664E-05	8.19382E-05	8.05386E-05	**7501**	8.55031E-05
8.58234E-05	9.07021E-05	2.40754E-05	8.29275E-05	8.73702E-05	8.79834E-05	9.28764E-05	2.54871E-05	8.29275E-05	7.99E-05	**7502**	8.57754E-05
8.79607E-05	9.29786E-05	2.4451E-05	8.50314E-05	9.2906E-05	9.0234E-05	9.52687E-05	2.59286E-05	8.50314E-05	8.41415E-05	**7503**	8.78561E-05
9.44775E-05	9.98833E-05	2.60587E-05	9.09648E-05	9.04334E-05	9.67832E-05	0.000102199	2.76064E-05	9.09648E-05	8.16085E-05	**7504**	9.42781E-05
0.000104257	0.000110248	2.84406E-05	9.99001E-05	8.87163E-05	0.000106632	0.000112624	3.0102E-05	9.99001E-05	7.98482E-05	**7505**	0.00010391
0.000113655	0.000120128	3.17269E-05	0.000106756	8.73427E-05	0.000115092	0.000121511	3.30993E-05	0.000106756	7.84444E-05	**7506**	0.000113271
0.000120363	0.000127076	3.53941E-05	0.000109834	7.19947E-05	0.000120027	0.000126597	3.61127E-05	0.000109834	6.56054E-05	**7507**	0.000120135
0.00011974	0.000126327	3.63786E-05	0.000107646	5.92985E-05	0.000118423	0.000124822	3.66952E-05	0.000107646	5.55146E-05	**7508**	0.000119674
0.00011716	0.00012362	3.54027E-05	0.000103269	5.10263E-05	0.000114926	0.000121132	3.56505E-05	0.000103269	4.84889E-05	**7509**	0.000117232
0.000110622	0.000116792	3.25317E-05	9.6294E-05	4.51703E-05	0.000108096	0.000113981	3.29364E-05	9.6294E-05	4.39612E-05	**7510**	0.00011074
9.93107E-05	0.000104899	2.85767E-05	8.78624E-05	4.38967E-05	9.78285E-05	0.000103194	2.92989E-05	8.78624E-05	4.26623E-05	**7511**	9.94566E-05
9.02174E-05	9.5387E-05	2.47874E-05	8.23313E-05	4.29804E-05	9.02773E-05	9.53066E-05	2.60402E-05	8.23313E-05	4.17287E-05	**7512**	9.03389E-05
7.68014E-05	8.12829E-05	2.00812E-05	7.21235E-05	4.31381E-05	7.80032E-05	8.2413E-05	2.16777E-05	7.21235E-05	4.193E-05	**7513**	7.69332E-05
7.43743E-05	7.87651E-05	1.88025E-05	7.12857E-05	4.35061E-05	7.63395E-05	8.06975E-05	2.06766E-05	7.12857E-05	4.23123E-05	**7514**	7.44873E-05
7.38231E-05	7.81982E-05	1.84484E-05	7.16475E-05	4.44542E-05	7.6235E-05	8.05998E-05	2.04851E-05	7.16475E-05	4.32934E-05	**7515**	7.39654E-05

7.6773E-05	8.13282E-05	1.91192E-05	7.51242E-05	4.6488E-05	7.95849E-05	8.41461E-05	2.13264E-05	7.51242E-05	4.53837E-05	**7516**	7.69294E-05
8.37624E-05	8.87163E-05	2.10626E-05	8.19463E-05	4.88301E-05	8.67858E-05	9.17486E-05	2.33982E-05	8.19463E-05	4.77865E-05	**7517**	8.39166E-05
9.25803E-05	9.80306E-05	2.35965E-05	8.97654E-05	4.89286E-05	9.54822E-05	0.000100926	2.5953E-05	8.97654E-05	4.7839E-05	**7518**	9.26815E-05
9.53711E-05	0.000100879	2.56607E-05	9.40426E-05	9.41393E-05	9.88624E-05	0.000104416	2.79272E-05	9.40426E-05	8.55206E-05	**7519**	9.55772E-05
9.3112E-05	9.8409E-05	2.60701E-05	9.37588E-05	9.25116E-05	9.72603E-05	0.000102664	2.82426E-05	9.37588E-05	8.37961E-05	**7520**	9.3392E-05
9.05136E-05	9.56363E-05	2.56771E-05	9.07038E-05	9.26997E-05	9.42767E-05	9.94908E-05	2.76792E-05	9.07038E-05	8.39759E-05	**7521**	9.0834E-05
8.88393E-05	9.38636E-05	2.52492E-05	8.69086E-05	9.29354E-05	9.15206E-05	9.65836E-05	2.6854E-05	8.69086E-05	8.42033E-05	**7522**	8.89732E-05
8.79035E-05	9.28713E-05	2.50277E-05	8.44208E-05	9.37694E-05	8.98031E-05	9.47713E-05	2.6347E-05	8.44208E-05	8.50433E-05	**7523**	8.79045E-05
8.6133E-05	9.10187E-05	2.4296E-05	8.21107E-05	8.74906E-05	8.77472E-05	9.26199E-05	2.55112E-05	8.21107E-05	8.00328E-05	**7524**	8.60184E-05
8.55651E-05	9.04131E-05	2.42049E-05	8.19382E-05	8.79934E-05	8.73308E-05	9.21744E-05	2.54664E-05	8.19382E-05	8.05386E-05	**7525**	8.55031E-05
8.58234E-05	9.07021E-05	2.40754E-05	8.29275E-05	8.73702E-05	8.79834E-05	9.28764E-05	2.54871E-05	8.29275E-05	7.99E-05	**7526**	8.57754E-05
8.79607E-05	9.29786E-05	2.4451E-05	8.50314E-05	9.2906E-05	9.0234E-05	9.52687E-05	2.59286E-05	8.50314E-05	8.41415E-05	**7527**	8.78561E-05
9.44775E-05	9.98833E-05	2.60587E-05	9.09648E-05	9.04334E-05	9.67832E-05	0.000102199	2.76064E-05	9.09648E-05	8.16085E-05	**7528**	9.42781E-05
0.000104257	0.000110248	2.84406E-05	9.99001E-05	8.87163E-05	0.000106632	0.000112624	3.0102E-05	9.99001E-05	7.98482E-05	**7529**	0.00010391
0.000113655	0.000120128	3.17269E-05	0.000106756	8.73427E-05	0.000115092	0.000121511	3.30993E-05	0.000106756	7.84444E-05	**7530**	0.000113271
0.000120363	0.000127076	3.53941E-05	0.000109834	7.19947E-05	0.000120027	0.000126597	3.61127E-05	0.000109834	6.56054E-05	**7531**	0.000120135
0.00011974	0.000126327	3.63786E-05	0.000107646	5.92985E-05	0.000118423	0.000124822	3.66952E-05	0.000107646	5.55146E-05	**7532**	0.000119674
0.00011716	0.00012362	3.54027E-05	0.000103269	5.10263E-05	0.000114926	0.000121132	3.56505E-05	0.000103269	4.84889E-05	**7533**	0.000117232
0.000110622	0.000116792	3.25317E-05	9.6294E-05	4.51703E-05	0.000108096	0.000113981	3.29364E-05	9.6294E-05	4.39612E-05	**7534**	0.00011074
9.93107E-05	0.000104899	2.85767E-05	8.78624E-05	4.38967E-05	9.78285E-05	0.000103194	2.92989E-05	8.78624E-05	4.26623E-05	**7535**	9.94566E-05
9.02174E-05	9.5387E-05	2.47874E-05	8.23313E-05	4.29804E-05	9.02773E-05	9.53066E-05	2.60402E-05	8.23313E-05	4.17287E-05	**7536**	9.03389E-05
7.68014E-05	8.12829E-05	2.00812E-05	7.21235E-05	4.31381E-05	7.80032E-05	8.2413E-05	2.16777E-05	7.21235E-05	4.193E-05	**7537**	7.69332E-05
7.43743E-05	7.87651E-05	1.88025E-05	7.12857E-05	4.35061E-05	7.63395E-05	8.06975E-05	2.06766E-05	7.12857E-05	4.23123E-05	**7538**	7.44873E-05
7.38231E-05	7.81982E-05	1.84484E-05	7.16475E-05	4.44542E-05	7.6235E-05	8.05998E-05	2.04851E-05	7.16475E-05	4.32934E-05	**7539**	7.39654E-05
7.6773E-05	8.13282E-05	1.91192E-05	7.51242E-05	4.6488E-05	7.95849E-05	8.41461E-05	2.13264E-05	7.51242E-05	4.53837E-05	**7540**	7.69294E-05
8.37624E-05	8.87163E-05	2.10626E-05	8.19463E-05	4.88301E-05	8.67858E-05	9.17486E-05	2.33982E-05	8.19463E-05	4.77865E-05	**7541**	8.39166E-05
9.25803E-05	9.80306E-05	2.35965E-05	8.97654E-05	4.89286E-05	9.54822E-05	0.000100926	2.5953E-05	8.97654E-05	4.7839E-05	**7542**	9.26815E-05
9.53711E-05	0.000100879	2.56607E-05	9.40426E-05	9.41393E-05	9.88624E-05	0.000104416	2.79272E-05	9.40426E-05	8.55206E-05	**7543**	9.55772E-05
9.3112E-05	9.8409E-05	2.60701E-05	9.37588E-05	9.25116E-05	9.72603E-05	0.000102664	2.82426E-05	9.37588E-05	8.37961E-05	**7544**	9.3392E-05
9.05136E-05	9.56363E-05	2.56771E-05	9.07038E-05	9.26997E-05	9.42767E-05	9.94908E-05	2.76792E-05	9.07038E-05	8.39759E-05	**7545**	9.0834E-05
8.88393E-05	9.38636E-05	2.52492E-05	8.69086E-05	9.29354E-05	9.15206E-05	9.65836E-05	2.6854E-05	8.69086E-05	8.42033E-05	**7546**	8.89732E-05
8.79035E-05	9.28713E-05	2.50277E-05	8.44208E-05	9.37694E-05	8.98031E-05	9.47713E-05	2.6347E-05	8.44208E-05	8.50433E-05	**7547**	8.79045E-05
8.6133E-05	9.10187E-05	2.4296E-05	8.21107E-05	8.74906E-05	8.77472E-05	9.26199E-05	2.55112E-05	8.21107E-05	8.00328E-05	**7548**	8.60184E-05
8.55651E-05	9.04131E-05	2.42049E-05	8.19382E-05	8.79934E-05	8.73308E-05	9.21744E-05	2.54664E-05	8.19382E-05	8.05386E-05	**7549**	8.55031E-05
8.58234E-05	9.07021E-05	2.40754E-05	8.29275E-05	8.73702E-05	8.79834E-05	9.28764E-05	2.54871E-05	8.29275E-05	7.99E-05	**7550**	8.57754E-05
8.79607E-05	9.29786E-05	2.4451E-05	8.50314E-05	9.2906E-05	9.0234E-05	9.52687E-05	2.59286E-05	8.50314E-05	8.41415E-05	**7551**	8.78561E-05
9.44775E-05	9.98833E-05	2.60587E-05	9.09648E-05	9.04334E-05	9.67832E-05	0.000102199	2.76064E-05	9.09648E-05	8.16085E-05	**7552**	9.42781E-05
0.000104257	0.000110248	2.84406E-05	9.99001E-05	8.87163E-05	0.000106632	0.000112624	3.0102E-05	9.99001E-05	7.98482E-05	**7553**	0.00010391
0.000113655	0.000120128	3.17269E-05	0.000106756	8.73427E-05	0.000115092	0.000121511	3.30993E-05	0.000106756	7.84444E-05	**7554**	0.000113271
0.000120363	0.000127076	3.53941E-05	0.000109834	7.19947E-05	0.000120027	0.000126597	3.61127E-05	0.000109834	6.56054E-05	**7555**	0.000120135
0.00011974	0.000126327	3.63786E-05	0.000107646	5.92985E-05	0.000118423	0.000124822	3.66952E-05	0.000107646	5.55146E-05	**7556**	0.000119674
0.00011716	0.00012362	3.54027E-05	0.000103269	5.10263E-05	0.000114926	0.000121132	3.56505E-05	0.000103269	4.84889E-05	**7557**	0.000117232
0.000110622	0.000116792	3.25317E-05	9.6294E-05	4.51703E-05	0.000108096	0.000113981	3.29364E-05	9.6294E-05	4.39612E-05	**7558**	0.00011074
9.93107E-05	0.000104899	2.85767E-05	8.78624E-05	4.38967E-05	9.78285E-05	0.000103194	2.92989E-05	8.78624E-05	4.26623E-05	**7559**	9.94566E-05
9.02174E-05	9.5387E-05	2.47874E-05	8.23313E-05	4.29804E-05	9.02773E-05	9.53066E-05	2.60402E-05	8.23313E-05	4.17287E-05	**7560**	9.03389E-05
7.7687E-05	8.22237E-05	2.02674E-05	7.29175E-05	4.27639E-05	7.88932E-05	8.33573E-05	2.18748E-05	7.29175E-05	4.15423E-05	**7561**	7.77963E-05
7.42398E-05	7.86211E-05	1.87875E-05	7.12342E-05	4.35729E-05	7.62346E-05	8.05849E-05	2.06701E-05	7.12342E-05	4.23829E-05	**7562**	7.43661E-05
7.3722E-05	7.80897E-05	1.84418E-05	7.16328E-05	4.45534E-05	7.61666E-05	8.05259E-05	2.04884E-05	7.16328E-05	4.33973E-05	**7563**	7.38776E-05
7.67003E-05	8.12488E-05	1.91313E-05	7.52014E-05	4.66327E-05	7.95742E-05	8.41321E-05	2.13586E-05	7.52014E-05	4.55342E-05	**7564**	7.68787E-05
8.37135E-05	8.86631E-05	2.10688E-05	8.19881E-05	4.90249E-05	8.67743E-05	9.17347E-05	2.34164E-05	8.19881E-05	4.79882E-05	**7565**	8.38811E-05
9.24485E-05	9.78903E-05	2.35733E-05	8.96705E-05	4.92335E-05	9.53599E-05	0.000100796	2.59316E-05	8.96705E-05	4.81533E-05	**7566**	9.25564E-05
9.66481E-05	0.000102255	2.56795E-05	9.39947E-05	9.46898E-05	9.96231E-05	0.000105236	2.79355E-05	9.39947E-05	8.60869E-05	**7567**	9.68572E-05
9.26738E-05	9.79439E-05	2.59714E-05	9.33323E-05	9.33084E-05	9.68052E-05	0.000102182	2.81336E-05	9.33323E-05	8.46144E-05	**7568**	9.29602E-05
8.97393E-05	9.48119E-05	2.55375E-05	9.01301E-05	9.34958E-05	9.35514E-05	9.8719E-05	2.75478E-05	9.01301E-05	8.47926E-05	**7569**	9.00965E-05
8.77414E-05	9.2698E-05	2.50079E-05	8.58703E-05	9.36894E-05	9.03935E-05	9.53888E-05	2.65912E-05	8.58703E-05	8.49755E-05	**7570**	8.78956E-05
8.65074E-05	9.13885E-05	2.47284E-05	8.31396E-05	9.44993E-05	8.8387E-05	9.32694E-05	2.60262E-05	8.31396E-05	8.57897E-05	**7571**	8.65396E-05
8.46789E-05	8.94736E-05	2.39932E-05	8.08223E-05	8.82316E-05	8.62925E-05	9.10762E-05	2.51926E-05	8.08223E-05	8.07893E-05	**7572**	8.46034E-05
8.42266E-05	8.89922E-05	2.3911E-05	8.06736E-05	8.87376E-05	8.59573E-05	9.07183E-05	2.51465E-05	8.06736E-05	8.12965E-05	**7573**	8.41895E-05
8.42045E-05	8.89827E-05	2.37286E-05	8.14429E-05	8.79624E-05	8.63417E-05	9.11353E-05	2.51154E-05	8.14429E-05	8.05012E-05	**7574**	8.41929E-05
8.6962E-05	9.19179E-05	2.42369E-05	8.41148E-05	9.33949E-05	8.9221E-05	9.41943E-05	2.56991E-05	8.41148E-05	8.46369E-05	**7575**	8.68797E-05
9.35788E-05	9.89316E-05	2.58311E-05	8.99588E-05	9.08336E-05	9.57921E-05	0.000101152	2.73383E-05	8.99588E-05	8.20142E-05	**7576**	9.33738E-05
0.000103667	0.000109623	2.82857E-05	9.92115E-05	8.90452E-05	0.000105969	0.000111923	2.99164E-05	9.92115E-05	8.01822E-05	**7577**	0.000103312
0.000112857	0.000119283	3.15207E-05	0.000105841	8.75999E-05	0.000114202	0.000120571	3.28541E-05	0.000105841	7.87064E-05	**7578**	0.000112465
0.000119629	0.000126298	3.52174E-05	0.00010906	7.22371E-05	0.000119238	0.000125762	3.59099E-05	0.00010906	6.58525E-05	**7579**	0.000119403
0.000119049	0.000125594	3.61999E-05	0.000106854	5.95222E-05	0.000117653	0.000124008	3.64828E-05	0.000106854	5.57436E-05	**7580**	0.000118975
0.000114977	0.000121284	3.51571E-05	0.000102316	5.1218E-05	0.000113172	0.000119263	3.53764E-05	0.000102316	4.86856E-05	**7581**	0.000115043
0.000109946	0.000116076	3.23606E-05	9.55377E-05	4.53286E-05	0.000107351	0.000113193	3.27348E-05	9.55377E-05	4.41237E-05	**7582**	0.000110059
9.88317E-05	0.000104393	2.8442E-05	8.72565E-05	4.39391E-05	9.72697E-05	0.000102604	2.91324E-05	8.72565E-05	4.27053E-05	**7583**	9.89647E-05
8.98761E-05	9.50262E-05	2.46936E-05	8.19114E-05	4.28658E-05	8.98843E-05	9.48918E-05	2.59255E-05	8.19114E-05	4.16104E-05	**7584**	8.99901E-05
7.7687E-05	8.22237E-05	2.02674E-05	7.29175E-05	4.27639E-05	7.88932E-05	8.33573E-05	2.18748E-05	7.29175E-05	4.15423E-05	**7585**	7.77963E-05
7.42398E-05	7.86211E-05	1.87875E-05	7.12342E-05	4.35729E-05	7.62346E-05	8.05849E-05	2.06701E-05	7.12342E-05	4.23829E-05	**7586**	7.43661E-05
7.3722E-05	7.80897E-05	1.84418E-05	7.16328E-05	4.45534E-05	7.61666E-05	8.05259E-05	2.04884E-05	7.16328E-05	4.33973E-05	**7587**	7.38776E-05
7.67003E-05	8.12488E-05	1.91313E-05	7.52014E-05	4.66327E-05	7.95742E-05	8.41321E-05	2.13586E-05	7.52014E-05	4.55342E-05	**7588**	7.68787E-05
8.37135E-05	8.86631E-05	2.10688E-05	8.19881E-05	4.90249E-05	8.67743E-05	9.17347E-05	2.34164E-05	8.19881E-05	4.79882E-05	**7589**	8.38811E-05
9.24485E-05	9.78903E-05	2.35733E-05	8.96705E-05	4.92335E-05	9.53599E-05	0.000100796	2.59316E-05	8.96705E-05	4.81533E-05	**7590**	9.25564E-05
9.66481E-05	0.000102255	2.56795E-05	9.39947E-05	9.46898E-05	9.96231E-05	0.000105236	2.79355E-05	9.39947E-05	8.60869E-05	**7591**	9.68572E-05

9.26738E-05	9.79439E-05	2.59714E-05	9.33323E-05	9.33084E-05	9.68052E-05	0.000102182	2.81336E-05	9.33323E-05	8.46144E-05	**7592**	9.29602E-05
8.97393E-05	9.48119E-05	2.55375E-05	9.01301E-05	9.34958E-05	9.35514E-05	9.8719E-05	2.75478E-05	9.01301E-05	8.47926E-05	**7593**	9.00965E-05
8.77414E-05	9.2698E-05	2.50079E-05	8.58703E-05	9.36894E-05	9.03935E-05	9.53888E-05	2.65912E-05	8.58703E-05	8.49755E-05	**7594**	8.78956E-05
8.65074E-05	9.13885E-05	2.47284E-05	8.31396E-05	9.44993E-05	8.8387E-05	9.32694E-05	2.60262E-05	8.31396E-05	8.57897E-05	**7595**	8.65396E-05
8.46789E-05	8.94736E-05	2.39932E-05	8.08223E-05	8.82316E-05	8.62925E-05	9.10762E-05	2.51926E-05	8.08223E-05	8.07893E-05	**7596**	8.46034E-05
8.42266E-05	8.89922E-05	2.3911E-05	8.06736E-05	8.87376E-05	8.59573E-05	9.07183E-05	2.51465E-05	8.06736E-05	8.12965E-05	**7597**	8.41895E-05
8.42045E-05	8.89827E-05	2.37286E-05	8.14429E-05	8.79624E-05	8.63417E-05	9.11353E-05	2.51154E-05	8.14429E-05	8.05012E-05	**7598**	8.41929E-05
8.6962E-05	9.19179E-05	2.42369E-05	8.41148E-05	9.33949E-05	8.9221E-05	9.41943E-05	2.56991E-05	8.41148E-05	8.46369E-05	**7599**	8.68797E-05
9.35788E-05	9.89316E-05	2.58311E-05	8.99588E-05	9.08336E-05	9.57921E-05	0.000101152	2.73383E-05	8.99588E-05	8.20142E-05	**7600**	9.33738E-05
0.000103667	0.000109623	2.82857E-05	9.92115E-05	8.90452E-05	0.000105969	0.000111923	2.99164E-05	9.92115E-05	8.01822E-05	**7601**	0.000103312
0.000112857	0.000119283	3.15207E-05	0.000105841	8.75999E-05	0.000114202	0.000120571	3.28541E-05	0.000105841	7.87064E-05	**7602**	0.000112465
0.000119629	0.000126298	3.52174E-05	0.00010906	7.22371E-05	0.000119238	0.000125762	3.59099E-05	0.00010906	6.58525E-05	**7603**	0.000119403
0.000119049	0.000125594	3.61999E-05	0.000106854	5.95222E-05	0.000117653	0.000124008	3.64828E-05	0.000106854	5.57436E-05	**7604**	0.000118975
0.000114977	0.000121284	3.51571E-05	0.000102316	5.1218E-05	0.000113172	0.000119263	3.53764E-05	0.000102316	4.86856E-05	**7605**	0.000115043
0.000109946	0.000116076	3.23606E-05	9.55377E-05	4.53286E-05	0.000107351	0.000113193	3.27348E-05	9.55377E-05	4.41237E-05	**7606**	0.000110059
9.88317E-05	0.000104393	2.8442E-05	8.72565E-05	4.39391E-05	9.72697E-05	0.000102604	2.91324E-05	8.72565E-05	4.27053E-05	**7607**	9.89647E-05
8.98761E-05	9.50262E-05	2.46936E-05	8.19114E-05	4.28658E-05	8.98843E-05	9.48918E-05	2.59255E-05	8.19114E-05	4.16104E-05	**7608**	8.99901E-05
7.7687E-05	8.22237E-05	2.02674E-05	7.29175E-05	4.27639E-05	7.88932E-05	8.33573E-05	2.18748E-05	7.29175E-05	4.15423E-05	**7609**	7.77963E-05
7.42398E-05	7.86211E-05	1.87875E-05	7.12342E-05	4.35729E-05	7.62346E-05	8.05849E-05	2.06701E-05	7.12342E-05	4.23829E-05	**7610**	7.43661E-05
7.3722E-05	7.80897E-05	1.84418E-05	7.16328E-05	4.45534E-05	7.61666E-05	8.05259E-05	2.04884E-05	7.16328E-05	4.33973E-05	**7611**	7.38776E-05
7.67003E-05	8.12488E-05	1.91313E-05	7.52014E-05	4.66327E-05	7.95742E-05	8.41321E-05	2.13586E-05	7.52014E-05	4.55342E-05	**7612**	7.68787E-05
8.37135E-05	8.86631E-05	2.10688E-05	8.19881E-05	4.90249E-05	8.67743E-05	9.17347E-05	2.34164E-05	8.19881E-05	4.79882E-05	**7613**	8.38811E-05
9.24485E-05	9.78903E-05	2.35733E-05	8.96705E-05	4.92335E-05	9.53599E-05	0.000100796	2.59316E-05	8.96705E-05	4.81533E-05	**7614**	9.25564E-05
9.66481E-05	0.000102255	2.56795E-05	9.39947E-05	9.46898E-05	9.96231E-05	0.000105236	2.79355E-05	9.39947E-05	8.60869E-05	**7615**	9.68572E-05
9.26738E-05	9.79439E-05	2.59714E-05	9.33323E-05	9.33084E-05	9.68052E-05	0.000102182	2.81336E-05	9.33323E-05	8.46144E-05	**7616**	9.29602E-05
8.97393E-05	9.48119E-05	2.55375E-05	9.01301E-05	9.34958E-05	9.35514E-05	9.8719E-05	2.75478E-05	9.01301E-05	8.47926E-05	**7617**	9.00965E-05
8.77414E-05	9.2698E-05	2.50079E-05	8.58703E-05	9.36894E-05	9.03935E-05	9.53888E-05	2.65912E-05	8.58703E-05	8.49755E-05	**7618**	8.78956E-05
8.65074E-05	9.13885E-05	2.47284E-05	8.31396E-05	9.44993E-05	8.8387E-05	9.32694E-05	2.60262E-05	8.31396E-05	8.57897E-05	**7619**	8.65396E-05
8.46789E-05	8.94736E-05	2.39932E-05	8.08223E-05	8.82316E-05	8.62925E-05	9.10762E-05	2.51926E-05	8.08223E-05	8.07893E-05	**7620**	8.46034E-05
8.42266E-05	8.89922E-05	2.3911E-05	8.06736E-05	8.87376E-05	8.59573E-05	9.07183E-05	2.51465E-05	8.06736E-05	8.12965E-05	**7621**	8.41895E-05
8.42045E-05	8.89827E-05	2.37286E-05	8.14429E-05	8.79624E-05	8.63417E-05	9.11353E-05	2.51154E-05	8.14429E-05	8.05012E-05	**7622**	8.41929E-05
8.6962E-05	9.19179E-05	2.42369E-05	8.41148E-05	9.33949E-05	8.9221E-05	9.41943E-05	2.56991E-05	8.41148E-05	8.46369E-05	**7623**	8.68797E-05
9.35788E-05	9.89316E-05	2.58311E-05	8.99588E-05	9.08336E-05	9.57921E-05	0.000101152	2.73383E-05	8.99588E-05	8.20142E-05	**7624**	9.33738E-05
0.000103667	0.000109623	2.82857E-05	9.92115E-05	8.90452E-05	0.000105969	0.000111923	2.99164E-05	9.92115E-05	8.01822E-05	**7625**	0.000103312
0.000112857	0.000119283	3.15207E-05	0.000105841	8.75999E-05	0.000114202	0.000120571	3.28541E-05	0.000105841	7.87064E-05	**7626**	0.000112465
0.000119629	0.000126298	3.52174E-05	0.00010906	7.22371E-05	0.000119238	0.000125762	3.59099E-05	0.00010906	6.58525E-05	**7627**	0.000119403
0.000119049	0.000125594	3.61999E-05	0.000106854	5.95222E-05	0.000117653	0.000124008	3.64828E-05	0.000106854	5.57436E-05	**7628**	0.000118975
0.000114977	0.000121284	3.51571E-05	0.000102316	5.1218E-05	0.000113172	0.000119263	3.53764E-05	0.000102316	4.86856E-05	**7629**	0.000115043
0.000109946	0.000116076	3.23606E-05	9.55377E-05	4.53286E-05	0.000107351	0.000113193	3.27348E-05	9.55377E-05	4.41237E-05	**7630**	0.000110059
9.88317E-05	0.000104393	2.8442E-05	8.72565E-05	4.39391E-05	9.72697E-05	0.000102604	2.91324E-05	8.72565E-05	4.27053E-05	**7631**	9.89647E-05
8.98761E-05	9.50262E-05	2.46936E-05	8.19114E-05	4.28658E-05	8.98843E-05	9.48918E-05	2.59255E-05	8.19114E-05	4.16104E-05	**7632**	8.99901E-05
7.68014E-05	8.12829E-05	2.00812E-05	7.21235E-05	4.31381E-05	7.80032E-05	8.2413E-05	2.16777E-05	7.21235E-05	4.193E-05	**7633**	7.69332E-05
7.43743E-05	7.87651E-05	1.88025E-05	7.12857E-05	4.35061E-05	7.63395E-05	8.06975E-05	2.06766E-05	7.12857E-05	4.23123E-05	**7634**	7.44873E-05
7.38231E-05	7.81982E-05	1.84484E-05	7.16475E-05	4.44542E-05	7.6235E-05	8.05998E-05	2.04851E-05	7.16475E-05	4.32934E-05	**7635**	7.39654E-05
7.6773E-05	8.13282E-05	1.91192E-05	7.51242E-05	4.6488E-05	7.95849E-05	8.41461E-05	2.13264E-05	7.51242E-05	4.53837E-05	**7636**	7.69294E-05
8.37624E-05	8.87163E-05	2.10626E-05	8.19463E-05	4.88301E-05	8.67858E-05	9.17486E-05	2.33982E-05	8.19463E-05	4.77865E-05	**7637**	8.39166E-05
9.25803E-05	9.80306E-05	2.35965E-05	8.97654E-05	4.89286E-05	9.54822E-05	0.000100926	2.5953E-05	8.97654E-05	4.7839E-05	**7638**	9.26815E-05
9.53711E-05	0.000100879	2.56607E-05	9.40426E-05	9.41393E-05	9.88624E-05	0.000104416	2.79272E-05	9.40426E-05	8.55206E-05	**7639**	9.55772E-05
9.3112E-05	9.8409E-05	2.60701E-05	9.37588E-05	9.25116E-05	9.72603E-05	0.000102664	2.82426E-05	9.37588E-05	8.37961E-05	**7640**	9.3392E-05
9.05136E-05	9.56363E-05	2.56771E-05	9.07038E-05	9.26997E-05	9.42767E-05	9.94908E-05	2.76792E-05	9.07038E-05	8.39759E-05	**7641**	9.0834E-05
8.88393E-05	9.38636E-05	2.52492E-05	8.69086E-05	9.29354E-05	9.15206E-05	9.65836E-05	2.6854E-05	8.69086E-05	8.42033E-05	**7642**	8.89732E-05
8.79035E-05	9.28713E-05	2.50277E-05	8.44208E-05	9.37694E-05	8.98031E-05	9.47713E-05	2.6347E-05	8.44208E-05	8.50433E-05	**7643**	8.79045E-05
8.6133E-05	9.10187E-05	2.4296E-05	8.21107E-05	8.74906E-05	8.77472E-05	9.26199E-05	2.55112E-05	8.21107E-05	8.00328E-05	**7644**	8.60184E-05
8.55651E-05	9.04131E-05	2.42049E-05	8.19382E-05	8.79934E-05	8.73308E-05	9.21744E-05	2.54664E-05	8.19382E-05	8.05386E-05	**7645**	8.55031E-05
8.58234E-05	9.07021E-05	2.40754E-05	8.29275E-05	8.73702E-05	8.79834E-05	9.28764E-05	2.54871E-05	8.29275E-05	7.99E-05	**7646**	8.57754E-05
8.79607E-05	9.29786E-05	2.4451E-05	8.50314E-05	9.2906E-05	9.0234E-05	9.52687E-05	2.59286E-05	8.50314E-05	8.41415E-05	**7647**	8.78561E-05
9.44775E-05	9.98833E-05	2.60587E-05	9.09648E-05	9.04334E-05	9.67832E-05	0.000102199	2.76064E-05	9.09648E-05	8.16085E-05	**7648**	9.42781E-05
0.000104257	0.000110248	2.84406E-05	9.99001E-05	8.87163E-05	0.000106632	0.000112624	3.0102E-05	9.99001E-05	7.98482E-05	**7649**	0.00010391
0.000113655	0.000120128	3.17269E-05	0.000106756	8.73427E-05	0.000115092	0.000121511	3.30993E-05	0.000106756	7.84444E-05	**7650**	0.000113271
0.000120363	0.000127076	3.53941E-05	0.000109834	7.19947E-05	0.000120027	0.000126597	3.61127E-05	0.000109834	6.56054E-05	**7651**	0.000120135
0.00011974	0.000126327	3.63786E-05	0.000107646	5.92985E-05	0.000118423	0.000124822	3.66952E-05	0.000107646	5.55146E-05	**7652**	0.000119674
0.00011716	0.00012362	3.54027E-05	0.000103269	5.10263E-05	0.000114926	0.000121132	3.56505E-05	0.000103269	4.84889E-05	**7653**	0.000117232
0.000110622	0.000116792	3.25317E-05	9.6294E-05	4.51703E-05	0.000108096	0.000113981	3.29364E-05	9.6294E-05	4.39612E-05	**7654**	0.00011074
9.93107E-05	0.000104899	2.85767E-05	8.78624E-05	4.38967E-05	9.78285E-05	0.000103194	2.92989E-05	8.78624E-05	4.26623E-05	**7655**	9.94566E-05
9.02174E-05	9.5387E-05	2.47874E-05	8.23313E-05	4.29804E-05	9.02773E-05	9.53066E-05	2.60402E-05	8.23313E-05	4.17287E-05	**7656**	9.03389E-05
7.68014E-05	8.12829E-05	2.00812E-05	7.21235E-05	4.31381E-05	7.80032E-05	8.2413E-05	2.16777E-05	7.21235E-05	4.193E-05	**7657**	7.69332E-05
7.43743E-05	7.87651E-05	1.88025E-05	7.12857E-05	4.35061E-05	7.63395E-05	8.06975E-05	2.06766E-05	7.12857E-05	4.23123E-05	**7658**	7.44873E-05
7.38231E-05	7.81982E-05	1.84484E-05	7.16475E-05	4.44542E-05	7.6235E-05	8.05998E-05	2.04851E-05	7.16475E-05	4.32934E-05	**7659**	7.39654E-05
7.6773E-05	8.13282E-05	1.91192E-05	7.51242E-05	4.6488E-05	7.95849E-05	8.41461E-05	2.13264E-05	7.51242E-05	4.53837E-05	**7660**	7.69294E-05
8.37624E-05	8.87163E-05	2.10626E-05	8.19463E-05	4.88301E-05	8.67858E-05	9.17486E-05	2.33982E-05	8.19463E-05	4.77865E-05	**7661**	8.39166E-05
9.25803E-05	9.80306E-05	2.35965E-05	8.97654E-05	4.89286E-05	9.54822E-05	0.000100926	2.5953E-05	8.97654E-05	4.7839E-05	**7662**	9.26815E-05
9.53711E-05	0.000100879	2.56607E-05	9.40426E-05	9.41393E-05	9.88624E-05	0.000104416	2.79272E-05	9.40426E-05	8.55206E-05	**7663**	9.55772E-05
9.3112E-05	9.8409E-05	2.60701E-05	9.37588E-05	9.25116E-05	9.72603E-05	0.000102664	2.82426E-05	9.37588E-05	8.37961E-05	**7664**	9.3392E-05
9.05136E-05	9.56363E-05	2.56771E-05	9.07038E-05	9.26997E-05	9.42767E-05	9.94908E-05	2.76792E-05	9.07038E-05	8.39759E-05	**7665**	9.0834E-05
8.88393E-05	9.38636E-05	2.52492E-05	8.69086E-05	9.29354E-05	9.15206E-05	9.65836E-05	2.6854E-05	8.69086E-05	8.42033E-05	**7666**	8.89732E-05
8.79035E-05	9.28713E-05	2.50277E-05	8.44208E-05	9.37694E-05	8.98031E-05	9.47713E-05	2.6347E-05	8.44208E-05	8.50433E-05	**7667**	8.79045E-05

8.6133E-05	9.10187E-05	2.4296E-05	8.21107E-05	8.74906E-05	8.77472E-05	9.26199E-05	2.55112E-05	8.21107E-05	8.00328E-05	**7668**	8.60184E-05
8.55651E-05	9.04131E-05	2.42049E-05	8.19382E-05	8.79934E-05	8.73308E-05	9.21744E-05	2.54664E-05	8.19382E-05	8.05386E-05	**7669**	8.55031E-05
8.58234E-05	9.07021E-05	2.40754E-05	8.29275E-05	8.73702E-05	8.79834E-05	9.28764E-05	2.54871E-05	8.29275E-05	7.99E-05	**7670**	8.57754E-05
8.79607E-05	9.29786E-05	2.4451E-05	8.50314E-05	9.2906E-05	9.0234E-05	9.52687E-05	2.59286E-05	8.50314E-05	8.41415E-05	**7671**	8.78561E-05
9.44775E-05	9.98833E-05	2.60587E-05	9.09648E-05	9.04334E-05	9.67832E-05	0.000102199	2.76064E-05	9.09648E-05	8.16085E-05	**7672**	9.42781E-05
0.000104257	0.000110248	2.84406E-05	9.99001E-05	8.87163E-05	0.000106632	0.000112624	3.0102E-05	9.99001E-05	7.98482E-05	**7673**	0.00010391
0.000113655	0.000120128	3.17269E-05	0.000106756	8.73427E-05	0.000115092	0.000121511	3.30993E-05	0.000106756	7.84444E-05	**7674**	0.000113271
0.000120363	0.000127076	3.53941E-05	0.000109834	7.19947E-05	0.000120027	0.000126597	3.61127E-05	0.000109834	6.56054E-05	**7675**	0.000120135
0.00011974	0.000126327	3.63786E-05	0.000107646	5.92985E-05	0.000118423	0.000124822	3.66952E-05	0.000107646	5.55146E-05	**7676**	0.000119674
0.00011716	0.00012362	3.54027E-05	0.000103269	5.10263E-05	0.000114926	0.000121132	3.56505E-05	0.000103269	4.84889E-05	**7677**	0.000117232
0.000110622	0.000116792	3.25317E-05	9.6294E-05	4.51703E-05	0.000108096	0.000113981	3.29364E-05	9.6294E-05	4.39612E-05	**7678**	0.00011074
9.93107E-05	0.000104899	2.85767E-05	8.78624E-05	4.38967E-05	9.78285E-05	0.000103194	2.92989E-05	8.78624E-05	4.26623E-05	**7679**	9.94566E-05
9.02174E-05	9.5387E-05	2.47874E-05	8.23313E-05	4.29804E-05	9.02773E-05	9.53066E-05	2.60402E-05	8.23313E-05	4.17287E-05	**7680**	9.03389E-05
7.68014E-05	8.12829E-05	2.00812E-05	7.21235E-05	4.31381E-05	7.80032E-05	8.2413E-05	2.16777E-05	7.21235E-05	4.193E-05	**7681**	7.69332E-05
7.43743E-05	7.87651E-05	1.88025E-05	7.12857E-05	4.35061E-05	7.63395E-05	8.06975E-05	2.06766E-05	7.12857E-05	4.23123E-05	**7682**	7.44873E-05
7.38231E-05	7.81982E-05	1.84484E-05	7.16475E-05	4.44542E-05	7.6235E-05	8.05998E-05	2.04851E-05	7.16475E-05	4.32934E-05	**7683**	7.39654E-05
7.6773E-05	8.13282E-05	1.91192E-05	7.51242E-05	4.6488E-05	7.95849E-05	8.41461E-05	2.13264E-05	7.51242E-05	4.53837E-05	**7684**	7.69294E-05
8.37624E-05	8.87163E-05	2.10626E-05	8.19463E-05	4.88301E-05	8.67858E-05	9.17486E-05	2.33982E-05	8.19463E-05	4.77865E-05	**7685**	8.39166E-05
9.25803E-05	9.80306E-05	2.35965E-05	8.97654E-05	4.89286E-05	9.54822E-05	0.000100926	2.5953E-05	8.97654E-05	4.7839E-05	**7686**	9.26815E-05
9.53711E-05	0.000100879	2.56607E-05	9.40426E-05	9.41393E-05	9.88624E-05	0.000104416	2.79272E-05	9.40426E-05	8.55206E-05	**7687**	9.55772E-05
9.3112E-05	9.8409E-05	2.60701E-05	9.37588E-05	9.25116E-05	9.72603E-05	0.000102664	2.82426E-05	9.37588E-05	8.37961E-05	**7688**	9.3392E-05
9.05136E-05	9.56363E-05	2.56771E-05	9.07038E-05	9.26997E-05	9.42767E-05	9.94908E-05	2.76792E-05	9.07038E-05	8.39759E-05	**7689**	9.0834E-05
8.88393E-05	9.38636E-05	2.52492E-05	8.69086E-05	9.29354E-05	9.15206E-05	9.65836E-05	2.6854E-05	8.69086E-05	8.42033E-05	**7690**	8.89732E-05
8.79035E-05	9.28713E-05	2.50277E-05	8.44208E-05	9.37694E-05	8.98031E-05	9.47713E-05	2.6347E-05	8.44208E-05	8.50433E-05	**7691**	8.79045E-05
8.6133E-05	9.10187E-05	2.4296E-05	8.21107E-05	8.74906E-05	8.77472E-05	9.26199E-05	2.55112E-05	8.21107E-05	8.00328E-05	**7692**	8.60184E-05
8.55651E-05	9.04131E-05	2.42049E-05	8.19382E-05	8.79934E-05	8.73308E-05	9.21744E-05	2.54664E-05	8.19382E-05	8.05386E-05	**7693**	8.55031E-05
8.58234E-05	9.07021E-05	2.40754E-05	8.29275E-05	8.73702E-05	8.79834E-05	9.28764E-05	2.54871E-05	8.29275E-05	7.99E-05	**7694**	8.57754E-05
8.79607E-05	9.29786E-05	2.4451E-05	8.50314E-05	9.2906E-05	9.0234E-05	9.52687E-05	2.59286E-05	8.50314E-05	8.41415E-05	**7695**	8.78561E-05
9.44775E-05	9.98833E-05	2.60587E-05	9.09648E-05	9.04334E-05	9.67832E-05	0.000102199	2.76064E-05	9.09648E-05	8.16085E-05	**7696**	9.42781E-05
0.000104257	0.000110248	2.84406E-05	9.99001E-05	8.87163E-05	0.000106632	0.000112624	3.0102E-05	9.99001E-05	7.98482E-05	**7697**	0.00010391
0.000113655	0.000120128	3.17269E-05	0.000106756	8.73427E-05	0.000115092	0.000121511	3.30993E-05	0.000106756	7.84444E-05	**7698**	0.000113271
0.000120363	0.000127076	3.53941E-05	0.000109834	7.19947E-05	0.000120027	0.000126597	3.61127E-05	0.000109834	6.56054E-05	**7699**	0.000120135
0.00011974	0.000126327	3.63786E-05	0.000107646	5.92985E-05	0.000118423	0.000124822	3.66952E-05	0.000107646	5.55146E-05	**7700**	0.000119674
0.00011716	0.00012362	3.54027E-05	0.000103269	5.10263E-05	0.000114926	0.000121132	3.56505E-05	0.000103269	4.84889E-05	**7701**	0.000117232
0.000110622	0.000116792	3.25317E-05	9.6294E-05	4.51703E-05	0.000108096	0.000113981	3.29364E-05	9.6294E-05	4.39612E-05	**7702**	0.00011074
9.93107E-05	0.000104899	2.85767E-05	8.78624E-05	4.38967E-05	9.78285E-05	0.000103194	2.92989E-05	8.78624E-05	4.26623E-05	**7703**	9.94566E-05
9.02174E-05	9.5387E-05	2.47874E-05	8.23313E-05	4.29804E-05	9.02773E-05	9.53066E-05	2.60402E-05	8.23313E-05	4.17287E-05	**7704**	9.03389E-05
7.68014E-05	8.12829E-05	2.00812E-05	7.21235E-05	4.31381E-05	7.80032E-05	8.2413E-05	2.16777E-05	7.21235E-05	4.193E-05	**7705**	7.69332E-05
7.43743E-05	7.87651E-05	1.88025E-05	7.12857E-05	4.35061E-05	7.63395E-05	8.06975E-05	2.06766E-05	7.12857E-05	4.23123E-05	**7706**	7.44873E-05
7.38231E-05	7.81982E-05	1.84484E-05	7.16475E-05	4.44542E-05	7.6235E-05	8.05998E-05	2.04851E-05	7.16475E-05	4.32934E-05	**7707**	7.39654E-05
7.6773E-05	8.13282E-05	1.91192E-05	7.51242E-05	4.6488E-05	7.95849E-05	8.41461E-05	2.13264E-05	7.51242E-05	4.53837E-05	**7708**	7.69294E-05
8.37624E-05	8.87163E-05	2.10626E-05	8.19463E-05	4.88301E-05	8.67858E-05	9.17486E-05	2.33982E-05	8.19463E-05	4.77865E-05	**7709**	8.39166E-05
9.25803E-05	9.80306E-05	2.35965E-05	8.97654E-05	4.89286E-05	9.54822E-05	0.000100926	2.5953E-05	8.97654E-05	4.7839E-05	**7710**	9.26815E-05
9.53711E-05	0.000100879	2.56607E-05	9.40426E-05	9.41393E-05	9.88624E-05	0.000104416	2.79272E-05	9.40426E-05	8.55206E-05	**7711**	9.55772E-05
9.3112E-05	9.8409E-05	2.60701E-05	9.37588E-05	9.25116E-05	9.72603E-05	0.000102664	2.82426E-05	9.37588E-05	8.37961E-05	**7712**	9.3392E-05
9.05136E-05	9.56363E-05	2.56771E-05	9.07038E-05	9.26997E-05	9.42767E-05	9.94908E-05	2.76792E-05	9.07038E-05	8.39759E-05	**7713**	9.0834E-05
8.88393E-05	9.38636E-05	2.52492E-05	8.69086E-05	9.29354E-05	9.15206E-05	9.65836E-05	2.6854E-05	8.69086E-05	8.42033E-05	**7714**	8.89732E-05
8.79035E-05	9.28713E-05	2.50277E-05	8.44208E-05	9.37694E-05	8.98031E-05	9.47713E-05	2.6347E-05	8.44208E-05	8.50433E-05	**7715**	8.79045E-05
8.6133E-05	9.10187E-05	2.4296E-05	8.21107E-05	8.74906E-05	8.77472E-05	9.26199E-05	2.55112E-05	8.21107E-05	8.00328E-05	**7716**	8.60184E-05
8.55651E-05	9.04131E-05	2.42049E-05	8.19382E-05	8.79934E-05	8.73308E-05	9.21744E-05	2.54664E-05	8.19382E-05	8.05386E-05	**7717**	8.55031E-05
8.58234E-05	9.07021E-05	2.40754E-05	8.29275E-05	8.73702E-05	8.79834E-05	9.28764E-05	2.54871E-05	8.29275E-05	7.99E-05	**7718**	8.57754E-05
8.79607E-05	9.29786E-05	2.4451E-05	8.50314E-05	9.2906E-05	9.0234E-05	9.52687E-05	2.59286E-05	8.50314E-05	8.41415E-05	**7719**	8.78561E-05
9.44775E-05	9.98833E-05	2.60587E-05	9.09648E-05	9.04334E-05	9.67832E-05	0.000102199	2.76064E-05	9.09648E-05	8.16085E-05	**7720**	9.42781E-05
0.000104257	0.000110248	2.84406E-05	9.99001E-05	8.87163E-05	0.000106632	0.000112624	3.0102E-05	9.99001E-05	7.98482E-05	**7721**	0.00010391
0.000113655	0.000120128	3.17269E-05	0.000106756	8.73427E-05	0.000115092	0.000121511	3.30993E-05	0.000106756	7.84444E-05	**7722**	0.000113271
0.000120363	0.000127076	3.53941E-05	0.000109834	7.19947E-05	0.000120027	0.000126597	3.61127E-05	0.000109834	6.56054E-05	**7723**	0.000120135
0.00011974	0.000126327	3.63786E-05	0.000107646	5.92985E-05	0.000118423	0.000124822	3.66952E-05	0.000107646	5.55146E-05	**7724**	0.000119674
0.00011716	0.00012362	3.54027E-05	0.000103269	5.10263E-05	0.000114926	0.000121132	3.56505E-05	0.000103269	4.84889E-05	**7725**	0.000117232
0.000110622	0.000116792	3.25317E-05	9.6294E-05	4.51703E-05	0.000108096	0.000113981	3.29364E-05	9.6294E-05	4.39612E-05	**7726**	0.00011074
9.93107E-05	0.000104899	2.85767E-05	8.78624E-05	4.38967E-05	9.78285E-05	0.000103194	2.92989E-05	8.78624E-05	4.26623E-05	**7727**	9.94566E-05
9.02174E-05	9.5387E-05	2.47874E-05	8.23313E-05	4.29804E-05	9.02773E-05	9.53066E-05	2.60402E-05	8.23313E-05	4.17287E-05	**7728**	9.03389E-05
7.68014E-05	8.12829E-05	2.00812E-05	7.21235E-05	4.31381E-05	7.80032E-05	8.2413E-05	2.16777E-05	7.21235E-05	4.193E-05	**7729**	7.69332E-05
7.43743E-05	7.87651E-05	1.88025E-05	7.12857E-05	4.35061E-05	7.63395E-05	8.06975E-05	2.06766E-05	7.12857E-05	4.23123E-05	**7730**	7.44873E-05
7.38231E-05	7.81982E-05	1.84484E-05	7.16475E-05	4.44542E-05	7.6235E-05	8.05998E-05	2.04851E-05	7.16475E-05	4.32934E-05	**7731**	7.39654E-05
7.6773E-05	8.13282E-05	1.91192E-05	7.51242E-05	4.6488E-05	7.95849E-05	8.41461E-05	2.13264E-05	7.51242E-05	4.53837E-05	**7732**	7.69294E-05
8.37624E-05	8.87163E-05	2.10626E-05	8.19463E-05	4.88301E-05	8.67858E-05	9.17486E-05	2.33982E-05	8.19463E-05	4.77865E-05	**7733**	8.39166E-05
9.25803E-05	9.80306E-05	2.35965E-05	8.97654E-05	4.89286E-05	9.54822E-05	0.000100926	2.5953E-05	8.97654E-05	4.7839E-05	**7734**	9.26815E-05
9.53711E-05	0.000100879	2.56607E-05	9.40426E-05	9.41393E-05	9.88624E-05	0.000104416	2.79272E-05	9.40426E-05	8.55206E-05	**7735**	9.55772E-05
9.3112E-05	9.8409E-05	2.60701E-05	9.37588E-05	9.25116E-05	9.72603E-05	0.000102664	2.82426E-05	9.37588E-05	8.37961E-05	**7736**	9.3392E-05
9.05136E-05	9.56363E-05	2.56771E-05	9.07038E-05	9.26997E-05	9.42767E-05	9.94908E-05	2.76792E-05	9.07038E-05	8.39759E-05	**7737**	9.0834E-05
8.88393E-05	9.38636E-05	2.52492E-05	8.69086E-05	9.29354E-05	9.15206E-05	9.65836E-05	2.6854E-05	8.69086E-05	8.42033E-05	**7738**	8.89732E-05
8.79035E-05	9.28713E-05	2.50277E-05	8.44208E-05	9.37694E-05	8.98031E-05	9.47713E-05	2.6347E-05	8.44208E-05	8.50433E-05	**7739**	8.79045E-05
8.6133E-05	9.10187E-05	2.4296E-05	8.21107E-05	8.74906E-05	8.77472E-05	9.26199E-05	2.55112E-05	8.21107E-05	8.00328E-05	**7740**	8.60184E-05
8.55651E-05	9.04131E-05	2.42049E-05	8.19382E-05	8.79934E-05	8.73308E-05	9.21744E-05	2.54664E-05	8.19382E-05	8.05386E-05	**7741**	8.55031E-05
8.58234E-05	9.07021E-05	2.40754E-05	8.29275E-05	8.73702E-05	8.79834E-05	9.28764E-05	2.54871E-05	8.29275E-05	7.99E-05	**7742**	8.57754E-05
8.79607E-05	9.29786E-05	2.4451E-05	8.50314E-05	9.2906E-05	9.0234E-05	9.52687E-05	2.59286E-05	8.50314E-05	8.41415E-05	**7743**	8.78561E-05

9.44775E-05	9.98833E-05	2.60587E-05	9.09648E-05	9.04334E-05	9.67832E-05	0.000102199	2.76064E-05	9.09648E-05	8.16085E-05	**7744**	9.42781E-05
0.000104257	0.000110248	2.84406E-05	9.99001E-05	8.87163E-05	0.000106632	0.000112624	3.0102E-05	9.99001E-05	7.98482E-05	**7745**	0.00010391
0.000113655	0.000120128	3.17269E-05	0.000106756	8.73427E-05	0.000115092	0.000121511	3.30993E-05	0.000106756	7.84444E-05	**7746**	0.000113271
0.000120363	0.000127076	3.53941E-05	0.000109834	7.19947E-05	0.000120027	0.000126597	3.61127E-05	0.000109834	6.56054E-05	**7747**	0.000120135
0.00011974	0.000126327	3.63786E-05	0.000107646	5.92985E-05	0.000118423	0.000124822	3.66952E-05	0.000107646	5.55146E-05	**7748**	0.000119674
0.00011716	0.00012362	3.54027E-05	0.000103269	5.10263E-05	0.000114926	0.000121132	3.56505E-05	0.000103269	4.84889E-05	**7749**	0.000117232
0.000110622	0.000116792	3.25317E-05	9.6294E-05	4.51703E-05	0.000108096	0.000113981	3.29364E-05	9.6294E-05	4.39612E-05	**7750**	0.00011074
9.93107E-05	0.000104899	2.85767E-05	8.78624E-05	4.38967E-05	9.78285E-05	0.000103194	2.92989E-05	8.78624E-05	4.26623E-05	**7751**	9.94566E-05
9.02174E-05	9.5387E-05	2.47874E-05	8.23313E-05	4.29804E-05	9.02773E-05	9.53066E-05	2.60402E-05	8.23313E-05	4.17287E-05	**7752**	9.03389E-05
7.7687E-05	8.22237E-05	2.02674E-05	7.29175E-05	4.27639E-05	7.88932E-05	8.33573E-05	2.18748E-05	7.29175E-05	4.15423E-05	**7753**	7.77963E-05
7.42398E-05	7.86211E-05	1.87875E-05	7.12342E-05	4.35729E-05	7.62346E-05	8.05849E-05	2.06701E-05	7.12342E-05	4.23829E-05	**7754**	7.43661E-05
7.3722E-05	7.80897E-05	1.84418E-05	7.16328E-05	4.45534E-05	7.61666E-05	8.05259E-05	2.04884E-05	7.16328E-05	4.33973E-05	**7755**	7.38776E-05
7.67003E-05	8.12488E-05	1.91313E-05	7.52014E-05	4.66327E-05	7.95742E-05	8.41321E-05	2.13586E-05	7.52014E-05	4.55342E-05	**7756**	7.68787E-05
8.37135E-05	8.86631E-05	2.10688E-05	8.19881E-05	4.90249E-05	8.67743E-05	9.17347E-05	2.34164E-05	8.19881E-05	4.79882E-05	**7757**	8.38811E-05
9.24485E-05	9.78903E-05	2.35733E-05	8.96705E-05	4.92335E-05	9.53599E-05	0.000100796	2.59316E-05	8.96705E-05	4.81533E-05	**7758**	9.25564E-05
9.66481E-05	0.000102255	2.56795E-05	9.39947E-05	9.46898E-05	9.96231E-05	0.000105236	2.79355E-05	9.39947E-05	8.60869E-05	**7759**	9.68572E-05
9.26738E-05	9.79439E-05	2.59714E-05	9.33323E-05	9.33084E-05	9.68052E-05	0.000102182	2.81336E-05	9.33323E-05	8.46144E-05	**7760**	9.29602E-05
8.97393E-05	9.48119E-05	2.55375E-05	9.01301E-05	9.34958E-05	9.35514E-05	9.8719E-05	2.75478E-05	9.01301E-05	8.47926E-05	**7761**	9.00965E-05
8.77414E-05	9.2698E-05	2.50079E-05	8.58703E-05	9.36894E-05	9.03935E-05	9.53888E-05	2.65912E-05	8.58703E-05	8.49755E-05	**7762**	8.78956E-05
8.65074E-05	9.13885E-05	2.47284E-05	8.31396E-05	9.44993E-05	8.8387E-05	9.32694E-05	2.60262E-05	8.31396E-05	8.57897E-05	**7763**	8.65396E-05
8.46789E-05	8.94736E-05	2.39932E-05	8.08223E-05	8.82316E-05	8.62925E-05	9.10762E-05	2.51926E-05	8.08223E-05	8.07893E-05	**7764**	8.46034E-05
8.42266E-05	8.89922E-05	2.3911E-05	8.06736E-05	8.87376E-05	8.59573E-05	9.07183E-05	2.51465E-05	8.06736E-05	8.12965E-05	**7765**	8.41895E-05
8.42045E-05	8.89827E-05	2.37286E-05	8.14429E-05	8.79624E-05	8.63417E-05	9.11353E-05	2.51154E-05	8.14429E-05	8.05012E-05	**7766**	8.41929E-05
8.6962E-05	9.19179E-05	2.42369E-05	8.41148E-05	9.33949E-05	8.9221E-05	9.41943E-05	2.56991E-05	8.41148E-05	8.46369E-05	**7767**	8.68797E-05
9.35788E-05	9.89316E-05	2.58311E-05	8.99588E-05	9.08336E-05	9.57921E-05	0.000101152	2.73383E-05	8.99588E-05	8.20142E-05	**7768**	9.33738E-05
0.000103667	0.000109623	2.82857E-05	9.92115E-05	8.90452E-05	0.000105969	0.000111923	2.99164E-05	9.92115E-05	8.01822E-05	**7769**	0.000103312
0.000112857	0.000119283	3.15207E-05	0.000105841	8.75999E-05	0.000114202	0.000120571	3.28541E-05	0.000105841	7.87064E-05	**7770**	0.000112465
0.000119629	0.000126298	3.52174E-05	0.00010906	7.22371E-05	0.000119238	0.000125762	3.59099E-05	0.00010906	6.58525E-05	**7771**	0.000119403
0.000119049	0.000125594	3.61999E-05	0.000106854	5.95222E-05	0.000117653	0.000124008	3.64828E-05	0.000106854	5.57436E-05	**7772**	0.000118975
0.000114977	0.000121284	3.51571E-05	0.000102316	5.1218E-05	0.000113172	0.000119263	3.53764E-05	0.000102316	4.86856E-05	**7773**	0.000115043
0.000109946	0.000116076	3.23606E-05	9.55377E-05	4.53286E-05	0.000107351	0.000113193	3.27348E-05	9.55377E-05	4.41237E-05	**7774**	0.000110059
9.88317E-05	0.000104393	2.8442E-05	8.72565E-05	4.39391E-05	9.72697E-05	0.000102604	2.91324E-05	8.72565E-05	4.27053E-05	**7775**	9.89647E-05
8.98761E-05	9.50262E-05	2.46936E-05	8.19114E-05	4.28658E-05	8.98843E-05	9.48918E-05	2.59255E-05	8.19114E-05	4.16104E-05	**7776**	8.99901E-05
7.7687E-05	8.22237E-05	2.02674E-05	7.29175E-05	4.27639E-05	7.88932E-05	8.33573E-05	2.18748E-05	7.29175E-05	4.15423E-05	**7777**	7.77963E-05
7.42398E-05	7.86211E-05	1.87875E-05	7.12342E-05	4.35729E-05	7.62346E-05	8.05849E-05	2.06701E-05	7.12342E-05	4.23829E-05	**7778**	7.43661E-05
7.3722E-05	7.80897E-05	1.84418E-05	7.16328E-05	4.45534E-05	7.61666E-05	8.05259E-05	2.04884E-05	7.16328E-05	4.33973E-05	**7779**	7.38776E-05
7.67003E-05	8.12488E-05	1.91313E-05	7.52014E-05	4.66327E-05	7.95742E-05	8.41321E-05	2.13586E-05	7.52014E-05	4.55342E-05	**7780**	7.68787E-05
8.37135E-05	8.86631E-05	2.10688E-05	8.19881E-05	4.90249E-05	8.67743E-05	9.17347E-05	2.34164E-05	8.19881E-05	4.79882E-05	**7781**	8.38811E-05
9.24485E-05	9.78903E-05	2.35733E-05	8.96705E-05	4.92335E-05	9.53599E-05	0.000100796	2.59316E-05	8.96705E-05	4.81533E-05	**7782**	9.25564E-05
9.66481E-05	0.000102255	2.56795E-05	9.39947E-05	9.46898E-05	9.96231E-05	0.000105236	2.79355E-05	9.39947E-05	8.60869E-05	**7783**	9.68572E-05
9.26738E-05	9.79439E-05	2.59714E-05	9.33323E-05	9.33084E-05	9.68052E-05	0.000102182	2.81336E-05	9.33323E-05	8.46144E-05	**7784**	9.29602E-05
8.97393E-05	9.48119E-05	2.55375E-05	9.01301E-05	9.34958E-05	9.35514E-05	9.8719E-05	2.75478E-05	9.01301E-05	8.47926E-05	**7785**	9.00965E-05
8.77414E-05	9.2698E-05	2.50079E-05	8.58703E-05	9.36894E-05	9.03935E-05	9.53888E-05	2.65912E-05	8.58703E-05	8.49755E-05	**7786**	8.78956E-05
8.65074E-05	9.13885E-05	2.47284E-05	8.31396E-05	9.44993E-05	8.8387E-05	9.32694E-05	2.60262E-05	8.31396E-05	8.57897E-05	**7787**	8.65396E-05
8.46789E-05	8.94736E-05	2.39932E-05	8.08223E-05	8.82316E-05	8.62925E-05	9.10762E-05	2.51926E-05	8.08223E-05	8.07893E-05	**7788**	8.46034E-05
8.42266E-05	8.89922E-05	2.3911E-05	8.06736E-05	8.87376E-05	8.59573E-05	9.07183E-05	2.51465E-05	8.06736E-05	8.12965E-05	**7789**	8.41895E-05
8.42045E-05	8.89827E-05	2.37286E-05	8.14429E-05	8.79624E-05	8.63417E-05	9.11353E-05	2.51154E-05	8.14429E-05	8.05012E-05	**7790**	8.41929E-05
8.6962E-05	9.19179E-05	2.42369E-05	8.41148E-05	9.33949E-05	8.9221E-05	9.41943E-05	2.56991E-05	8.41148E-05	8.46369E-05	**7791**	8.68797E-05
9.35788E-05	9.89316E-05	2.58311E-05	8.99588E-05	9.08336E-05	9.57921E-05	0.000101152	2.73383E-05	8.99588E-05	8.20142E-05	**7792**	9.33738E-05
0.000103667	0.000109623	2.82857E-05	9.92115E-05	8.90452E-05	0.000105969	0.000111923	2.99164E-05	9.92115E-05	8.01822E-05	**7793**	0.000103312
0.000112857	0.000119283	3.15207E-05	0.000105841	8.75999E-05	0.000114202	0.000120571	3.28541E-05	0.000105841	7.87064E-05	**7794**	0.000112465
0.000119629	0.000126298	3.52174E-05	0.00010906	7.22371E-05	0.000119238	0.000125762	3.59099E-05	0.00010906	6.58525E-05	**7795**	0.000119403
0.000119049	0.000125594	3.61999E-05	0.000106854	5.95222E-05	0.000117653	0.000124008	3.64828E-05	0.000106854	5.57436E-05	**7796**	0.000118975
0.000114977	0.000121284	3.51571E-05	0.000102316	5.1218E-05	0.000113172	0.000119263	3.53764E-05	0.000102316	4.86856E-05	**7797**	0.000115043
0.000109946	0.000116076	3.23606E-05	9.55377E-05	4.53286E-05	0.000107351	0.000113193	3.27348E-05	9.55377E-05	4.41237E-05	**7798**	0.000110059
9.88317E-05	0.000104393	2.8442E-05	8.72565E-05	4.39391E-05	9.72697E-05	0.000102604	2.91324E-05	8.72565E-05	4.27053E-05	**7799**	9.89647E-05
8.98761E-05	9.50262E-05	2.46936E-05	8.19114E-05	4.28658E-05	8.98843E-05	9.48918E-05	2.59255E-05	8.19114E-05	4.16104E-05	**7800**	8.99901E-05
7.68014E-05	8.12829E-05	2.00812E-05	7.21235E-05	4.31381E-05	7.80032E-05	8.2413E-05	2.16777E-05	7.21235E-05	4.193E-05	**7801**	7.69332E-05
7.43743E-05	7.87651E-05	1.88025E-05	7.12857E-05	4.35061E-05	7.63395E-05	8.06975E-05	2.06766E-05	7.12857E-05	4.23123E-05	**7802**	7.44873E-05
7.38231E-05	7.81982E-05	1.84484E-05	7.16475E-05	4.44542E-05	7.6235E-05	8.05998E-05	2.04851E-05	7.16475E-05	4.32934E-05	**7803**	7.39654E-05
7.6773E-05	8.13282E-05	1.91192E-05	7.51242E-05	4.6488E-05	7.95849E-05	8.41461E-05	2.13264E-05	7.51242E-05	4.53837E-05	**7804**	7.69294E-05
8.37624E-05	8.87163E-05	2.10626E-05	8.19463E-05	4.88301E-05	8.67858E-05	9.17486E-05	2.33982E-05	8.19463E-05	4.77865E-05	**7805**	8.39166E-05
9.25803E-05	9.80306E-05	2.35965E-05	8.97654E-05	4.89286E-05	9.54822E-05	0.000100926	2.5953E-05	8.97654E-05	4.7839E-05	**7806**	9.26815E-05
9.53711E-05	0.000100879	2.56607E-05	9.40426E-05	9.41393E-05	9.88624E-05	0.000104416	2.79272E-05	9.40426E-05	8.55206E-05	**7807**	9.55772E-05
9.3112E-05	9.8409E-05	2.60701E-05	9.37588E-05	9.25116E-05	9.72603E-05	0.000102664	2.82426E-05	9.37588E-05	8.37961E-05	**7808**	9.3392E-05
9.05136E-05	9.56363E-05	2.56771E-05	9.07038E-05	9.26997E-05	9.42767E-05	9.94908E-05	2.76792E-05	9.07038E-05	8.39759E-05	**7809**	9.0834E-05
8.88393E-05	9.38636E-05	2.52492E-05	8.69086E-05	9.29354E-05	9.15206E-05	9.65836E-05	2.6854E-05	8.69086E-05	8.42033E-05	**7810**	8.89732E-05
8.79035E-05	9.28713E-05	2.50277E-05	8.44208E-05	9.37694E-05	8.98031E-05	9.47713E-05	2.6347E-05	8.44208E-05	8.50433E-05	**7811**	8.79045E-05
8.6133E-05	9.10187E-05	2.4296E-05	8.21107E-05	8.74906E-05	8.77472E-05	9.26199E-05	2.55112E-05	8.21107E-05	8.00328E-05	**7812**	8.60184E-05
8.55651E-05	9.04131E-05	2.42049E-05	8.19382E-05	8.79934E-05	8.73308E-05	9.21744E-05	2.54664E-05	8.19382E-05	8.05386E-05	**7813**	8.55031E-05
8.58234E-05	9.07021E-05	2.40754E-05	8.29275E-05	8.73702E-05	8.79834E-05	9.28764E-05	2.54871E-05	8.29275E-05	7.99E-05	**7814**	8.57754E-05
8.79607E-05	9.29786E-05	2.4451E-05	8.50314E-05	9.2906E-05	9.0234E-05	9.52687E-05	2.59286E-05	8.50314E-05	8.41415E-05	**7815**	8.78561E-05
9.44775E-05	9.98833E-05	2.60587E-05	9.09648E-05	9.04334E-05	9.67832E-05	0.000102199	2.76064E-05	9.09648E-05	8.16085E-05	**7816**	9.42781E-05
0.000104257	0.000110248	2.84406E-05	9.99001E-05	8.87163E-05	0.000106632	0.000112624	3.0102E-05	9.99001E-05	7.98482E-05	**7817**	0.00010391
0.000113655	0.000120128	3.17269E-05	0.000106756	8.73427E-05	0.000115092	0.000121511	3.30993E-05	0.000106756	7.84444E-05	**7818**	0.000113271
0.000120363	0.000127076	3.53941E-05	0.000109834	7.19947E-05	0.000120027	0.000126597	3.61127E-05	0.000109834	6.56054E-05	**7819**	0.000120135

0.00011974	0.000126327	3.63786E-05	0.000107646	5.92985E-05	0.000118423	0.000124822	3.66952E-05	0.000107646	5.55146E-05	**7820**	0.000119674
0.00011716	0.00012362	3.54027E-05	0.000103269	5.10263E-05	0.000114926	0.000121132	3.56505E-05	0.000103269	4.84889E-05	**7821**	0.000117232
0.000110622	0.000116792	3.25317E-05	9.6294E-05	4.51703E-05	0.000108096	0.000113981	3.29364E-05	9.6294E-05	4.39612E-05	**7822**	0.00011074
9.93107E-05	0.000104899	2.85767E-05	8.78624E-05	4.38967E-05	9.78285E-05	0.000103194	2.92989E-05	8.78624E-05	4.26623E-05	**7823**	9.94566E-05
9.02174E-05	9.5387E-05	2.47874E-05	8.23313E-05	4.29804E-05	9.02773E-05	9.53066E-05	2.60402E-05	8.23313E-05	4.17287E-05	**7824**	9.03389E-05
7.68014E-05	8.12829E-05	2.00812E-05	7.21235E-05	4.31381E-05	7.80032E-05	8.2413E-05	2.16777E-05	7.21235E-05	4.193E-05	**7825**	7.69332E-05
7.43743E-05	7.87651E-05	1.88025E-05	7.12857E-05	4.35061E-05	7.63395E-05	8.06975E-05	2.06766E-05	7.12857E-05	4.23123E-05	**7826**	7.44873E-05
7.38231E-05	7.81982E-05	1.84484E-05	7.16475E-05	4.44542E-05	7.6235E-05	8.05998E-05	2.04851E-05	7.16475E-05	4.32934E-05	**7827**	7.39654E-05
7.6773E-05	8.13282E-05	1.91192E-05	7.51242E-05	4.6488E-05	7.95849E-05	8.41461E-05	2.13264E-05	7.51242E-05	4.53837E-05	**7828**	7.69294E-05
8.37624E-05	8.87163E-05	2.10626E-05	8.19463E-05	4.88301E-05	8.67858E-05	9.17486E-05	2.33982E-05	8.19463E-05	4.77865E-05	**7829**	8.39166E-05
9.25803E-05	9.80306E-05	2.35965E-05	8.97654E-05	4.89286E-05	9.54822E-05	0.000100926	2.5953E-05	8.97654E-05	4.7839E-05	**7830**	9.26815E-05
9.53711E-05	0.000100879	2.56607E-05	9.40426E-05	9.41393E-05	9.88624E-05	0.000104416	2.79272E-05	9.40426E-05	8.55206E-05	**7831**	9.55772E-05
9.3112E-05	9.8409E-05	2.60701E-05	9.37588E-05	9.25116E-05	9.72603E-05	0.000102664	2.82426E-05	9.37588E-05	8.37961E-05	**7832**	9.3392E-05
9.05136E-05	9.56363E-05	2.56771E-05	9.07038E-05	9.26997E-05	9.42767E-05	9.94908E-05	2.76792E-05	9.07038E-05	8.39759E-05	**7833**	9.0834E-05
8.88393E-05	9.38636E-05	2.52492E-05	8.69086E-05	9.29354E-05	9.15206E-05	9.65836E-05	2.6854E-05	8.69086E-05	8.42033E-05	**7834**	8.89732E-05
8.79035E-05	9.28713E-05	2.50277E-05	8.44208E-05	9.37694E-05	8.98031E-05	9.47713E-05	2.6347E-05	8.44208E-05	8.50433E-05	**7835**	8.79045E-05
8.6133E-05	9.10187E-05	2.4296E-05	8.21107E-05	8.74906E-05	8.77472E-05	9.26199E-05	2.55112E-05	8.21107E-05	8.00328E-05	**7836**	8.60184E-05
8.55651E-05	9.04131E-05	2.42049E-05	8.19382E-05	8.79934E-05	8.73308E-05	9.21744E-05	2.54664E-05	8.19382E-05	8.05386E-05	**7837**	8.55031E-05
8.58234E-05	9.07021E-05	2.40754E-05	8.29275E-05	8.73702E-05	8.79834E-05	9.28764E-05	2.54871E-05	8.29275E-05	7.99E-05	**7838**	8.57754E-05
8.79607E-05	9.29786E-05	2.4451E-05	8.50314E-05	9.2906E-05	9.0234E-05	9.52687E-05	2.59286E-05	8.50314E-05	8.41415E-05	**7839**	8.78561E-05
9.44775E-05	9.98833E-05	2.60587E-05	9.09648E-05	9.04334E-05	9.67832E-05	0.000102199	2.76064E-05	9.09648E-05	8.16085E-05	**7840**	9.42781E-05
0.000104257	0.000110248	2.84406E-05	9.99001E-05	8.87163E-05	0.000106632	0.000112624	3.0102E-05	9.99001E-05	7.98482E-05	**7841**	0.00010391
0.000113655	0.000120128	3.17269E-05	0.000106756	8.73427E-05	0.000115092	0.000121511	3.30993E-05	0.000106756	7.84444E-05	**7842**	0.000113271
0.000120363	0.000127076	3.53941E-05	0.000109834	7.19947E-05	0.000120027	0.000126597	3.61127E-05	0.000109834	6.56054E-05	**7843**	0.000120135
0.00011974	0.000126327	3.63786E-05	0.000107646	5.92985E-05	0.000118423	0.000124822	3.66952E-05	0.000107646	5.55146E-05	**7844**	0.000119674
0.00011716	0.00012362	3.54027E-05	0.000103269	5.10263E-05	0.000114926	0.000121132	3.56505E-05	0.000103269	4.84889E-05	**7845**	0.000117232
0.000110622	0.000116792	3.25317E-05	9.6294E-05	4.51703E-05	0.000108096	0.000113981	3.29364E-05	9.6294E-05	4.39612E-05	**7846**	0.00011074
9.93107E-05	0.000104899	2.85767E-05	8.78624E-05	4.38967E-05	9.78285E-05	0.000103194	2.92989E-05	8.78624E-05	4.26623E-05	**7847**	9.94566E-05
9.02174E-05	9.5387E-05	2.47874E-05	8.23313E-05	4.29804E-05	9.02773E-05	9.53066E-05	2.60402E-05	8.23313E-05	4.17287E-05	**7848**	9.03389E-05
7.68014E-05	8.12829E-05	2.00812E-05	7.21235E-05	4.31381E-05	7.80032E-05	8.2413E-05	2.16777E-05	7.21235E-05	4.193E-05	**7849**	7.69332E-05
7.43743E-05	7.87651E-05	1.88025E-05	7.12857E-05	4.35061E-05	7.63395E-05	8.06975E-05	2.06766E-05	7.12857E-05	4.23123E-05	**7850**	7.44873E-05
7.38231E-05	7.81982E-05	1.84484E-05	7.16475E-05	4.44542E-05	7.6235E-05	8.05998E-05	2.04851E-05	7.16475E-05	4.32934E-05	**7851**	7.39654E-05
7.6773E-05	8.13282E-05	1.91192E-05	7.51242E-05	4.6488E-05	7.95849E-05	8.41461E-05	2.13264E-05	7.51242E-05	4.53837E-05	**7852**	7.69294E-05
8.37624E-05	8.87163E-05	2.10626E-05	8.19463E-05	4.88301E-05	8.67858E-05	9.17486E-05	2.33982E-05	8.19463E-05	4.77865E-05	**7853**	8.39166E-05
9.25803E-05	9.80306E-05	2.35965E-05	8.97654E-05	4.89286E-05	9.54822E-05	0.000100926	2.5953E-05	8.97654E-05	4.7839E-05	**7854**	9.26815E-05
9.53711E-05	0.000100879	2.56607E-05	9.40426E-05	9.41393E-05	9.88624E-05	0.000104416	2.79272E-05	9.40426E-05	8.55206E-05	**7855**	9.55772E-05
9.3112E-05	9.8409E-05	2.60701E-05	9.37588E-05	9.25116E-05	9.72603E-05	0.000102664	2.82426E-05	9.37588E-05	8.37961E-05	**7856**	9.3392E-05
9.05136E-05	9.56363E-05	2.56771E-05	9.07038E-05	9.26997E-05	9.42767E-05	9.94908E-05	2.76792E-05	9.07038E-05	8.39759E-05	**7857**	9.0834E-05
8.88393E-05	9.38636E-05	2.52492E-05	8.69086E-05	9.29354E-05	9.15206E-05	9.65836E-05	2.6854E-05	8.69086E-05	8.42033E-05	**7858**	8.89732E-05
8.79035E-05	9.28713E-05	2.50277E-05	8.44208E-05	9.37694E-05	8.98031E-05	9.47713E-05	2.6347E-05	8.44208E-05	8.50433E-05	**7859**	8.79045E-05
8.6133E-05	9.10187E-05	2.4296E-05	8.21107E-05	8.74906E-05	8.77472E-05	9.26199E-05	2.55112E-05	8.21107E-05	8.00328E-05	**7860**	8.60184E-05
8.55651E-05	9.04131E-05	2.42049E-05	8.19382E-05	8.79934E-05	8.73308E-05	9.21744E-05	2.54664E-05	8.19382E-05	8.05386E-05	**7861**	8.55031E-05
8.58234E-05	9.07021E-05	2.40754E-05	8.29275E-05	8.73702E-05	8.79834E-05	9.28764E-05	2.54871E-05	8.29275E-05	7.99E-05	**7862**	8.57754E-05
8.79607E-05	9.29786E-05	2.4451E-05	8.50314E-05	9.2906E-05	9.0234E-05	9.52687E-05	2.59286E-05	8.50314E-05	8.41415E-05	**7863**	8.78561E-05
9.44775E-05	9.98833E-05	2.60587E-05	9.09648E-05	9.04334E-05	9.67832E-05	0.000102199	2.76064E-05	9.09648E-05	8.16085E-05	**7864**	9.42781E-05
0.000104257	0.000110248	2.84406E-05	9.99001E-05	8.87163E-05	0.000106632	0.000112624	3.0102E-05	9.99001E-05	7.98482E-05	**7865**	0.00010391
0.000113655	0.000120128	3.17269E-05	0.000106756	8.73427E-05	0.000115092	0.000121511	3.30993E-05	0.000106756	7.84444E-05	**7866**	0.000113271
0.000120363	0.000127076	3.53941E-05	0.000109834	7.19947E-05	0.000120027	0.000126597	3.61127E-05	0.000109834	6.56054E-05	**7867**	0.000120135
0.00011974	0.000126327	3.63786E-05	0.000107646	5.92985E-05	0.000118423	0.000124822	3.66952E-05	0.000107646	5.55146E-05	**7868**	0.000119674
0.00011716	0.00012362	3.54027E-05	0.000103269	5.10263E-05	0.000114926	0.000121132	3.56505E-05	0.000103269	4.84889E-05	**7869**	0.000117232
0.000110622	0.000116792	3.25317E-05	9.6294E-05	4.51703E-05	0.000108096	0.000113981	3.29364E-05	9.6294E-05	4.39612E-05	**7870**	0.00011074
9.93107E-05	0.000104899	2.85767E-05	8.78624E-05	4.38967E-05	9.78285E-05	0.000103194	2.92989E-05	8.78624E-05	4.26623E-05	**7871**	9.94566E-05
9.02174E-05	9.5387E-05	2.47874E-05	8.23313E-05	4.29804E-05	9.02773E-05	9.53066E-05	2.60402E-05	8.23313E-05	4.17287E-05	**7872**	9.03389E-05
7.7687E-05	8.22237E-05	2.02674E-05	7.29175E-05	4.27639E-05	7.88932E-05	8.33573E-05	2.18748E-05	7.29175E-05	4.15423E-05	**7873**	7.77963E-05
7.42398E-05	7.86211E-05	1.87875E-05	7.12342E-05	4.35729E-05	7.62346E-05	8.05849E-05	2.06701E-05	7.12342E-05	4.23829E-05	**7874**	7.43661E-05
7.3722E-05	7.80897E-05	1.84418E-05	7.16328E-05	4.45534E-05	7.61666E-05	8.05259E-05	2.04884E-05	7.16328E-05	4.33973E-05	**7875**	7.38776E-05
7.67003E-05	8.12488E-05	1.91313E-05	7.52014E-05	4.66327E-05	7.95742E-05	8.41321E-05	2.13586E-05	7.52014E-05	4.55342E-05	**7876**	7.68787E-05
8.37135E-05	8.86631E-05	2.10688E-05	8.19881E-05	4.90249E-05	8.67743E-05	9.17347E-05	2.34164E-05	8.19881E-05	4.79882E-05	**7877**	8.38811E-05
9.24485E-05	9.78903E-05	2.35733E-05	8.96705E-05	4.92335E-05	9.53599E-05	0.000100796	2.59316E-05	8.96705E-05	4.81533E-05	**7878**	9.25564E-05
9.66481E-05	0.000102255	2.56795E-05	9.39947E-05	9.46898E-05	9.96231E-05	0.000105236	2.79355E-05	9.39947E-05	8.60869E-05	**7879**	9.68572E-05
9.26738E-05	9.79439E-05	2.59714E-05	9.33323E-05	9.33084E-05	9.68052E-05	0.000102182	2.81336E-05	9.33323E-05	8.46144E-05	**7880**	9.29602E-05
8.97393E-05	9.48119E-05	2.55375E-05	9.01301E-05	9.34958E-05	9.35514E-05	9.8719E-05	2.75478E-05	9.01301E-05	8.47926E-05	**7881**	9.00965E-05
8.77414E-05	9.2698E-05	2.50079E-05	8.58703E-05	9.36894E-05	9.03935E-05	9.53888E-05	2.65912E-05	8.58703E-05	8.49755E-05	**7882**	8.78956E-05
8.65074E-05	9.13885E-05	2.47284E-05	8.31396E-05	9.44993E-05	8.8387E-05	9.32694E-05	2.60262E-05	8.31396E-05	8.57897E-05	**7883**	8.65396E-05
8.46789E-05	8.94736E-05	2.39932E-05	8.08223E-05	8.82316E-05	8.62925E-05	9.10762E-05	2.51926E-05	8.08223E-05	8.07893E-05	**7884**	8.46034E-05
8.42266E-05	8.89922E-05	2.3911E-05	8.06736E-05	8.87376E-05	8.59573E-05	9.07183E-05	2.51465E-05	8.06736E-05	8.12965E-05	**7885**	8.41895E-05
8.42045E-05	8.89827E-05	2.37286E-05	8.14429E-05	8.79624E-05	8.63417E-05	9.11353E-05	2.51154E-05	8.14429E-05	8.05012E-05	**7886**	8.41929E-05
8.6962E-05	9.19179E-05	2.42369E-05	8.41148E-05	9.33949E-05	8.9221E-05	9.41943E-05	2.56991E-05	8.41148E-05	8.46369E-05	**7887**	8.68797E-05
9.35788E-05	9.89316E-05	2.58311E-05	8.99588E-05	9.08336E-05	9.57921E-05	0.000101152	2.73383E-05	8.99588E-05	8.20142E-05	**7888**	9.33738E-05
0.000103667	0.000109623	2.82857E-05	9.92115E-05	8.90452E-05	0.000105969	0.000111923	2.99164E-05	9.92115E-05	8.01822E-05	**7889**	0.000103312
0.000112857	0.000119283	3.15207E-05	0.000105841	8.75999E-05	0.000114202	0.000120571	3.28541E-05	0.000105841	7.87064E-05	**7890**	0.000112465
0.000119629	0.000126298	3.52174E-05	0.00010906	7.22371E-05	0.000119238	0.000125762	3.59099E-05	0.00010906	6.58525E-05	**7891**	0.000119403
0.000119049	0.000125594	3.61999E-05	0.000106854	5.95222E-05	0.000117653	0.000124008	3.64828E-05	0.000106854	5.57436E-05	**7892**	0.000118975
0.000114977	0.000121284	3.51571E-05	0.000102316	5.1218E-05	0.000113172	0.000119263	3.53764E-05	0.000102316	4.86856E-05	**7893**	0.000115043
0.000109946	0.000116076	3.23606E-05	9.55377E-05	4.53286E-05	0.000107351	0.000113193	3.27348E-05	9.55377E-05	4.41237E-05	**7894**	0.000110059
9.88317E-05	0.000104393	2.8442E-05	8.72565E-05	4.39391E-05	9.72697E-05	0.000102604	2.91324E-05	8.72565E-05	4.27053E-05	**7895**	9.89647E-05

8.98761E-05	9.50262E-05	2.46936E-05	8.19114E-05	4.28658E-05	8.98843E-05	9.48918E-05	2.59255E-05	8.19114E-05	4.16104E-05	**7896**	8.99901E-05
7.68014E-05	8.12829E-05	2.00812E-05	7.21235E-05	4.31381E-05	7.80032E-05	8.2413E-05	2.16777E-05	7.21235E-05	4.193E-05	**7897**	7.69332E-05
7.43743E-05	7.87651E-05	1.88025E-05	7.12857E-05	4.35061E-05	7.63395E-05	8.06975E-05	2.06766E-05	7.12857E-05	4.23123E-05	**7898**	7.44873E-05
7.38231E-05	7.81982E-05	1.84484E-05	7.16475E-05	4.44542E-05	7.6235E-05	8.05998E-05	2.04851E-05	7.16475E-05	4.32934E-05	**7899**	7.39654E-05
7.6773E-05	8.13282E-05	1.91192E-05	7.51242E-05	4.6488E-05	7.95849E-05	8.41461E-05	2.13264E-05	7.51242E-05	4.53837E-05	**7900**	7.69294E-05
8.37624E-05	8.87163E-05	2.10626E-05	8.19463E-05	4.88301E-05	8.67858E-05	9.17486E-05	2.33982E-05	8.19463E-05	4.77865E-05	**7901**	8.39166E-05
9.25803E-05	9.80306E-05	2.35965E-05	8.97654E-05	4.89286E-05	9.54822E-05	0.000100926	2.5953E-05	8.97654E-05	4.7839E-05	**7902**	9.26815E-05
9.53711E-05	0.000100879	2.56607E-05	9.40426E-05	9.41393E-05	9.88624E-05	0.000104416	2.79272E-05	9.40426E-05	8.55206E-05	**7903**	9.55772E-05
9.3112E-05	9.8409E-05	2.60701E-05	9.37588E-05	9.25116E-05	9.72603E-05	0.000102664	2.82426E-05	9.37588E-05	8.37961E-05	**7904**	9.3392E-05
9.05136E-05	9.56363E-05	2.56771E-05	9.07038E-05	9.26997E-05	9.42767E-05	9.94908E-05	2.76792E-05	9.07038E-05	8.39759E-05	**7905**	9.0834E-05
8.88393E-05	9.38636E-05	2.52492E-05	8.69086E-05	9.29354E-05	9.15206E-05	9.65836E-05	2.6854E-05	8.69086E-05	8.42033E-05	**7906**	8.89732E-05
8.79035E-05	9.28713E-05	2.50277E-05	8.44208E-05	9.37694E-05	8.98031E-05	9.47713E-05	2.6347E-05	8.44208E-05	8.50433E-05	**7907**	8.79045E-05
8.6133E-05	9.10187E-05	2.4296E-05	8.21107E-05	8.74906E-05	8.77472E-05	9.26199E-05	2.55112E-05	8.21107E-05	8.00328E-05	**7908**	8.60184E-05
8.55651E-05	9.04131E-05	2.42049E-05	8.19382E-05	8.79934E-05	8.73308E-05	9.21744E-05	2.54664E-05	8.19382E-05	8.05386E-05	**7909**	8.55031E-05
8.58234E-05	9.07021E-05	2.40754E-05	8.29275E-05	8.73702E-05	8.79834E-05	9.28764E-05	2.54871E-05	8.29275E-05	7.99E-05	**7910**	8.57754E-05
8.79607E-05	9.29786E-05	2.4451E-05	8.50314E-05	9.2906E-05	9.0234E-05	9.52687E-05	2.59286E-05	8.50314E-05	8.41415E-05	**7911**	8.78561E-05
9.44775E-05	9.98833E-05	2.60587E-05	9.09648E-05	9.04334E-05	9.67832E-05	0.000102199	2.76064E-05	9.09648E-05	8.16085E-05	**7912**	9.42781E-05
0.000104257	0.000110248	2.84406E-05	9.99001E-05	8.87163E-05	0.000106632	0.000112624	3.0102E-05	9.99001E-05	7.98482E-05	**7913**	0.00010391
0.000113655	0.000120128	3.17269E-05	0.000106756	8.73427E-05	0.000115092	0.000121511	3.30993E-05	0.000106756	7.84444E-05	**7914**	0.000113271
0.000120363	0.000127076	3.53941E-05	0.000109834	7.19947E-05	0.000120027	0.000126597	3.61127E-05	0.000109834	6.56054E-05	**7915**	0.000120135
0.00011974	0.000126327	3.63786E-05	0.000107646	5.92985E-05	0.000118423	0.000124822	3.66952E-05	0.000107646	5.55146E-05	**7916**	0.000119674
0.00011716	0.00012362	3.54027E-05	0.000103269	5.10263E-05	0.000114926	0.000121132	3.56505E-05	0.000103269	4.84889E-05	**7917**	0.000117232
0.000110622	0.000116792	3.25317E-05	9.6294E-05	4.51703E-05	0.000108096	0.000113981	3.29364E-05	9.6294E-05	4.39612E-05	**7918**	0.00011074
9.93107E-05	0.000104899	2.85767E-05	8.78624E-05	4.38967E-05	9.78285E-05	0.000103194	2.92989E-05	8.78624E-05	4.26623E-05	**7919**	9.94566E-05
9.02174E-05	9.5387E-05	2.47874E-05	8.23313E-05	4.29804E-05	9.02773E-05	9.53066E-05	2.60402E-05	8.23313E-05	4.17287E-05	**7920**	9.03389E-05
7.7687E-05	8.22237E-05	2.02674E-05	7.29175E-05	4.27639E-05	7.88932E-05	8.33573E-05	2.18748E-05	7.29175E-05	4.15423E-05	**7921**	7.77963E-05
7.42398E-05	7.86211E-05	1.87875E-05	7.12342E-05	4.35729E-05	7.62346E-05	8.05849E-05	2.06701E-05	7.12342E-05	4.23829E-05	**7922**	7.43661E-05
7.3722E-05	7.80897E-05	1.84418E-05	7.16328E-05	4.45534E-05	7.61666E-05	8.05259E-05	2.04884E-05	7.16328E-05	4.33973E-05	**7923**	7.38776E-05
7.67003E-05	8.12488E-05	1.91313E-05	7.52014E-05	4.66327E-05	7.95742E-05	8.41321E-05	2.13586E-05	7.52014E-05	4.55342E-05	**7924**	7.68787E-05
8.37135E-05	8.86631E-05	2.10688E-05	8.19881E-05	4.90249E-05	8.67743E-05	9.17347E-05	2.34164E-05	8.19881E-05	4.79882E-05	**7925**	8.38811E-05
9.24485E-05	9.78903E-05	2.35733E-05	8.96705E-05	4.92335E-05	9.53599E-05	0.000100796	2.59316E-05	8.96705E-05	4.81533E-05	**7926**	9.25564E-05
9.66481E-05	0.000102255	2.56795E-05	9.39947E-05	9.46898E-05	9.96231E-05	0.000105236	2.79355E-05	9.39947E-05	8.60869E-05	**7927**	9.68572E-05
9.26738E-05	9.79439E-05	2.59714E-05	9.33323E-05	9.33084E-05	9.68052E-05	0.000102182	2.81336E-05	9.33323E-05	8.46144E-05	**7928**	9.29602E-05
8.97393E-05	9.48119E-05	2.55375E-05	9.01301E-05	9.34958E-05	9.35514E-05	9.8719E-05	2.75478E-05	9.01301E-05	8.47926E-05	**7929**	9.00965E-05
8.77414E-05	9.2698E-05	2.50079E-05	8.58703E-05	9.36894E-05	9.03935E-05	9.53888E-05	2.65912E-05	8.58703E-05	8.49755E-05	**7930**	8.78956E-05
8.65074E-05	9.13885E-05	2.47284E-05	8.31396E-05	9.44993E-05	8.8387E-05	9.32694E-05	2.60262E-05	8.31396E-05	8.57897E-05	**7931**	8.65396E-05
8.46789E-05	8.94736E-05	2.39932E-05	8.08223E-05	8.82316E-05	8.62925E-05	9.10762E-05	2.51926E-05	8.08223E-05	8.07893E-05	**7932**	8.46034E-05
8.42266E-05	8.89922E-05	2.3911E-05	8.06736E-05	8.87376E-05	8.59573E-05	9.07183E-05	2.51465E-05	8.06736E-05	8.12965E-05	**7933**	8.41895E-05
8.42045E-05	8.89827E-05	2.37286E-05	8.14429E-05	8.79624E-05	8.63417E-05	9.11353E-05	2.51154E-05	8.14429E-05	8.05012E-05	**7934**	8.41929E-05
8.6962E-05	9.19179E-05	2.42369E-05	8.41148E-05	9.33949E-05	8.9221E-05	9.41943E-05	2.56991E-05	8.41148E-05	8.46369E-05	**7935**	8.68797E-05
9.35788E-05	9.89316E-05	2.58311E-05	8.99588E-05	9.08336E-05	9.57921E-05	0.000101152	2.73383E-05	8.99588E-05	8.20142E-05	**7936**	9.33738E-05
0.000103667	0.000109623	2.82857E-05	9.92115E-05	8.90452E-05	0.000105969	0.000111923	2.99164E-05	9.92115E-05	8.01822E-05	**7937**	0.000103312
0.000112857	0.000119283	3.15207E-05	0.000105841	8.75999E-05	0.000114202	0.000120571	3.28541E-05	0.000105841	7.87064E-05	**7938**	0.000112465
0.000119629	0.000126298	3.52174E-05	0.00010906	7.22371E-05	0.000119238	0.000125762	3.59099E-05	0.00010906	6.58525E-05	**7939**	0.000119403
0.000119049	0.000125594	3.61999E-05	0.000106854	5.95222E-05	0.000117653	0.000124008	3.64828E-05	0.000106854	5.57436E-05	**7940**	0.000118975
0.000114977	0.000121284	3.51571E-05	0.000102316	5.1218E-05	0.000113172	0.000119263	3.53764E-05	0.000102316	4.86856E-05	**7941**	0.000115043
0.000109946	0.000116076	3.23606E-05	9.55377E-05	4.53286E-05	0.000107351	0.000113193	3.27348E-05	9.55377E-05	4.41237E-05	**7942**	0.000110059
9.88317E-05	0.000104393	2.8442E-05	8.72565E-05	4.39391E-05	9.72697E-05	0.000102604	2.91324E-05	8.72565E-05	4.27053E-05	**7943**	9.89647E-05
8.98761E-05	9.50262E-05	2.46936E-05	8.19114E-05	4.28658E-05	8.98843E-05	9.48918E-05	2.59255E-05	8.19114E-05	4.16104E-05	**7944**	8.99901E-05
7.7687E-05	8.22237E-05	2.02674E-05	7.29175E-05	4.27639E-05	7.88932E-05	8.33573E-05	2.18748E-05	7.29175E-05	4.15423E-05	**7945**	7.77963E-05
7.42398E-05	7.86211E-05	1.87875E-05	7.12342E-05	4.35729E-05	7.62346E-05	8.05849E-05	2.06701E-05	7.12342E-05	4.23829E-05	**7946**	7.43661E-05
7.3722E-05	7.80897E-05	1.84418E-05	7.16328E-05	4.45534E-05	7.61666E-05	8.05259E-05	2.04884E-05	7.16328E-05	4.33973E-05	**7947**	7.38776E-05
7.67003E-05	8.12488E-05	1.91313E-05	7.52014E-05	4.66327E-05	7.95742E-05	8.41321E-05	2.13586E-05	7.52014E-05	4.55342E-05	**7948**	7.68787E-05
8.37135E-05	8.86631E-05	2.10688E-05	8.19881E-05	4.90249E-05	8.67743E-05	9.17347E-05	2.34164E-05	8.19881E-05	4.79882E-05	**7949**	8.38811E-05
9.24485E-05	9.78903E-05	2.35733E-05	8.96705E-05	4.92335E-05	9.53599E-05	0.000100796	2.59316E-05	8.96705E-05	4.81533E-05	**7950**	9.25564E-05
9.66481E-05	0.000102255	2.56795E-05	9.39947E-05	9.46898E-05	9.96231E-05	0.000105236	2.79355E-05	9.39947E-05	8.60869E-05	**7951**	9.68572E-05
9.26738E-05	9.79439E-05	2.59714E-05	9.33323E-05	9.33084E-05	9.68052E-05	0.000102182	2.81336E-05	9.33323E-05	8.46144E-05	**7952**	9.29602E-05
8.97393E-05	9.48119E-05	2.55375E-05	9.01301E-05	9.34958E-05	9.35514E-05	9.8719E-05	2.75478E-05	9.01301E-05	8.47926E-05	**7953**	9.00965E-05
8.77414E-05	9.2698E-05	2.50079E-05	8.58703E-05	9.36894E-05	9.03935E-05	9.53888E-05	2.65912E-05	8.58703E-05	8.49755E-05	**7954**	8.78956E-05
8.65074E-05	9.13885E-05	2.47284E-05	8.31396E-05	9.44993E-05	8.8387E-05	9.32694E-05	2.60262E-05	8.31396E-05	8.57897E-05	**7955**	8.65396E-05
8.46789E-05	8.94736E-05	2.39932E-05	8.08223E-05	8.82316E-05	8.62925E-05	9.10762E-05	2.51926E-05	8.08223E-05	8.07893E-05	**7956**	8.46034E-05
8.42266E-05	8.89922E-05	2.3911E-05	8.06736E-05	8.87376E-05	8.59573E-05	9.07183E-05	2.51465E-05	8.06736E-05	8.12965E-05	**7957**	8.41895E-05
8.42045E-05	8.89827E-05	2.37286E-05	8.14429E-05	8.79624E-05	8.63417E-05	9.11353E-05	2.51154E-05	8.14429E-05	8.05012E-05	**7958**	8.41929E-05
8.6962E-05	9.19179E-05	2.42369E-05	8.41148E-05	9.33949E-05	8.9221E-05	9.41943E-05	2.56991E-05	8.41148E-05	8.46369E-05	**7959**	8.68797E-05
9.35788E-05	9.89316E-05	2.58311E-05	8.99588E-05	9.08336E-05	9.57921E-05	0.000101152	2.73383E-05	8.99588E-05	8.20142E-05	**7960**	9.33738E-05
0.000103667	0.000109623	2.82857E-05	9.92115E-05	8.90452E-05	0.000105969	0.000111923	2.99164E-05	9.92115E-05	8.01822E-05	**7961**	0.000103312
0.000112857	0.000119283	3.15207E-05	0.000105841	8.75999E-05	0.000114202	0.000120571	3.28541E-05	0.000105841	7.87064E-05	**7962**	0.000112465
0.000119629	0.000126298	3.52174E-05	0.00010906	7.22371E-05	0.000119238	0.000125762	3.59099E-05	0.00010906	6.58525E-05	**7963**	0.000119403
0.000119049	0.000125594	3.61999E-05	0.000106854	5.95222E-05	0.000117653	0.000124008	3.64828E-05	0.000106854	5.57436E-05	**7964**	0.000118975
0.000114977	0.000121284	3.51571E-05	0.000102316	5.1218E-05	0.000113172	0.000119263	3.53764E-05	0.000102316	4.86856E-05	**7965**	0.000115043
0.000109946	0.000116076	3.23606E-05	9.55377E-05	4.53286E-05	0.000107351	0.000113193	3.27348E-05	9.55377E-05	4.41237E-05	**7966**	0.000110059
9.88317E-05	0.000104393	2.8442E-05	8.72565E-05	4.39391E-05	9.72697E-05	0.000102604	2.91324E-05	8.72565E-05	4.27053E-05	**7967**	9.89647E-05
8.98761E-05	9.50262E-05	2.46936E-05	8.19114E-05	4.28658E-05	8.98843E-05	9.48918E-05	2.59255E-05	8.19114E-05	4.16104E-05	**7968**	8.99901E-05
7.68014E-05	8.12829E-05	2.00812E-05	7.21235E-05	4.31381E-05	7.80032E-05	8.2413E-05	2.16777E-05	7.21235E-05	4.193E-05	**7969**	7.69332E-05
7.43743E-05	7.87651E-05	1.88025E-05	7.12857E-05	4.35061E-05	7.63395E-05	8.06975E-05	2.06766E-05	7.12857E-05	4.23123E-05	**7970**	7.44873E-05
7.38231E-05	7.81982E-05	1.84484E-05	7.16475E-05	4.44542E-05	7.6235E-05	8.05998E-05	2.04851E-05	7.16475E-05	4.32934E-05	**7971**	7.39654E-05

7.6773E-05	8.13282E-05	1.91192E-05	7.51242E-05	4.6488E-05	7.95849E-05	8.41461E-05	2.13264E-05	7.51242E-05	4.53837E-05	**7972**	7.69294E-05
8.37624E-05	8.87163E-05	2.10626E-05	8.19463E-05	4.88301E-05	8.67858E-05	9.17486E-05	2.33982E-05	8.19463E-05	4.77865E-05	**7973**	8.39166E-05
9.25803E-05	9.80306E-05	2.35965E-05	8.97654E-05	4.89286E-05	9.54822E-05	0.000100926	2.5953E-05	8.97654E-05	4.7839E-05	**7974**	9.26815E-05
9.53711E-05	0.000100879	2.56607E-05	9.40426E-05	9.41393E-05	9.88624E-05	0.000104416	2.79272E-05	9.40426E-05	8.55206E-05	**7975**	9.55772E-05
9.3112E-05	9.8409E-05	2.60701E-05	9.37588E-05	9.25116E-05	9.72603E-05	0.000102664	2.82426E-05	9.37588E-05	8.37961E-05	**7976**	9.3392E-05
9.05136E-05	9.56363E-05	2.56771E-05	9.07038E-05	9.26997E-05	9.42767E-05	9.94908E-05	2.76792E-05	9.07038E-05	8.39759E-05	**7977**	9.0834E-05
8.88393E-05	9.38636E-05	2.52492E-05	8.69086E-05	9.29354E-05	9.15206E-05	9.65836E-05	2.6854E-05	8.69086E-05	8.42033E-05	**7978**	8.89732E-05
8.79035E-05	9.28713E-05	2.50277E-05	8.44208E-05	9.37694E-05	8.98031E-05	9.47713E-05	2.6347E-05	8.44208E-05	8.50433E-05	**7979**	8.79045E-05
8.6133E-05	9.10187E-05	2.4296E-05	8.21107E-05	8.74906E-05	8.77472E-05	9.26199E-05	2.55112E-05	8.21107E-05	8.00328E-05	**7980**	8.60184E-05
8.55651E-05	9.04131E-05	2.42049E-05	8.19382E-05	8.79934E-05	8.73308E-05	9.21744E-05	2.54664E-05	8.19382E-05	8.05386E-05	**7981**	8.55031E-05
8.58234E-05	9.07021E-05	2.40754E-05	8.29275E-05	8.73702E-05	8.79834E-05	9.28764E-05	2.54871E-05	8.29275E-05	7.99E-05	**7982**	8.57754E-05
8.79607E-05	9.29786E-05	2.4451E-05	8.50314E-05	9.2906E-05	9.0234E-05	9.52687E-05	2.59286E-05	8.50314E-05	8.41415E-05	**7983**	8.78561E-05
9.44775E-05	9.98833E-05	2.60587E-05	9.09648E-05	9.04334E-05	9.67832E-05	0.000102199	2.76064E-05	9.09648E-05	8.16085E-05	**7984**	9.42781E-05
0.000104257	0.000110248	2.84406E-05	9.99001E-05	8.87163E-05	0.000106632	0.000112624	3.0102E-05	9.99001E-05	7.98482E-05	**7985**	0.00010391
0.000113655	0.000120128	3.17269E-05	0.000106756	8.73427E-05	0.000115092	0.000121511	3.30993E-05	0.000106756	7.84444E-05	**7986**	0.000113271
0.000120363	0.000127076	3.53941E-05	0.000109834	7.19947E-05	0.000120027	0.000126597	3.61127E-05	0.000109834	6.56054E-05	**7987**	0.000120135
0.00011974	0.000126327	3.63786E-05	0.000107646	5.92985E-05	0.000118423	0.000124822	3.66952E-05	0.000107646	5.55146E-05	**7988**	0.000119674
0.00011716	0.00012362	3.54027E-05	0.000103269	5.10263E-05	0.000114926	0.000121132	3.56505E-05	0.000103269	4.84889E-05	**7989**	0.000117232
0.000110622	0.000116792	3.25317E-05	9.6294E-05	4.51703E-05	0.000108096	0.000113981	3.29364E-05	9.6294E-05	4.39612E-05	**7990**	0.00011074
9.93107E-05	0.000104899	2.85767E-05	8.78624E-05	4.38967E-05	9.78285E-05	0.000103194	2.92989E-05	8.78624E-05	4.26623E-05	**7991**	9.94566E-05
9.02174E-05	9.5387E-05	2.47874E-05	8.23313E-05	4.29804E-05	9.02773E-05	9.53066E-05	2.60402E-05	8.23313E-05	4.17287E-05	**7992**	9.03389E-05
7.68014E-05	8.12829E-05	2.00812E-05	7.21235E-05	4.31381E-05	7.80032E-05	8.2413E-05	2.16777E-05	7.21235E-05	4.193E-05	**7993**	7.69332E-05
7.43743E-05	7.87651E-05	1.88025E-05	7.12857E-05	4.35061E-05	7.63395E-05	8.06975E-05	2.06766E-05	7.12857E-05	4.23123E-05	**7994**	7.44873E-05
7.38231E-05	7.81982E-05	1.84484E-05	7.16475E-05	4.44542E-05	7.6235E-05	8.05998E-05	2.04851E-05	7.16475E-05	4.32934E-05	**7995**	7.39654E-05
7.6773E-05	8.13282E-05	1.91192E-05	7.51242E-05	4.6488E-05	7.95849E-05	8.41461E-05	2.13264E-05	7.51242E-05	4.53837E-05	**7996**	7.69294E-05
8.37624E-05	8.87163E-05	2.10626E-05	8.19463E-05	4.88301E-05	8.67858E-05	9.17486E-05	2.33982E-05	8.19463E-05	4.77865E-05	**7997**	8.39166E-05
9.25803E-05	9.80306E-05	2.35965E-05	8.97654E-05	4.89286E-05	9.54822E-05	0.000100926	2.5953E-05	8.97654E-05	4.7839E-05	**7998**	9.26815E-05
9.53711E-05	0.000100879	2.56607E-05	9.40426E-05	9.41393E-05	9.88624E-05	0.000104416	2.79272E-05	9.40426E-05	8.55206E-05	**7999**	9.55772E-05
9.3112E-05	9.8409E-05	2.60701E-05	9.37588E-05	9.25116E-05	9.72603E-05	0.000102664	2.82426E-05	9.37588E-05	8.37961E-05	**8000**	9.3392E-05
9.05136E-05	9.56363E-05	2.56771E-05	9.07038E-05	9.26997E-05	9.42767E-05	9.94908E-05	2.76792E-05	9.07038E-05	8.39759E-05	**8001**	9.0834E-05
8.88393E-05	9.38636E-05	2.52492E-05	8.69086E-05	9.29354E-05	9.15206E-05	9.65836E-05	2.6854E-05	8.69086E-05	8.42033E-05	**8002**	8.89732E-05
8.79035E-05	9.28713E-05	2.50277E-05	8.44208E-05	9.37694E-05	8.98031E-05	9.47713E-05	2.6347E-05	8.44208E-05	8.50433E-05	**8003**	8.79045E-05
8.6133E-05	9.10187E-05	2.4296E-05	8.21107E-05	8.74906E-05	8.77472E-05	9.26199E-05	2.55112E-05	8.21107E-05	8.00328E-05	**8004**	8.60184E-05
8.55651E-05	9.04131E-05	2.42049E-05	8.19382E-05	8.79934E-05	8.73308E-05	9.21744E-05	2.54664E-05	8.19382E-05	8.05386E-05	**8005**	8.55031E-05
8.58234E-05	9.07021E-05	2.40754E-05	8.29275E-05	8.73702E-05	8.79834E-05	9.28764E-05	2.54871E-05	8.29275E-05	7.99E-05	**8006**	8.57754E-05
8.79607E-05	9.29786E-05	2.4451E-05	8.50314E-05	9.2906E-05	9.0234E-05	9.52687E-05	2.59286E-05	8.50314E-05	8.41415E-05	**8007**	8.78561E-05
9.44775E-05	9.98833E-05	2.60587E-05	9.09648E-05	9.04334E-05	9.67832E-05	0.000102199	2.76064E-05	9.09648E-05	8.16085E-05	**8008**	9.42781E-05
0.000104257	0.000110248	2.84406E-05	9.99001E-05	8.87163E-05	0.000106632	0.000112624	3.0102E-05	9.99001E-05	7.98482E-05	**8009**	0.00010391
0.000113655	0.000120128	3.17269E-05	0.000106756	8.73427E-05	0.000115092	0.000121511	3.30993E-05	0.000106756	7.84444E-05	**8010**	0.000113271
0.000120363	0.000127076	3.53941E-05	0.000109834	7.19947E-05	0.000120027	0.000126597	3.61127E-05	0.000109834	6.56054E-05	**8011**	0.000120135
0.00011974	0.000126327	3.63786E-05	0.000107646	5.92985E-05	0.000118423	0.000124822	3.66952E-05	0.000107646	5.55146E-05	**8012**	0.000119674
0.00011716	0.00012362	3.54027E-05	0.000103269	5.10263E-05	0.000114926	0.000121132	3.56505E-05	0.000103269	4.84889E-05	**8013**	0.000117232
0.000110622	0.000116792	3.25317E-05	9.6294E-05	4.51703E-05	0.000108096	0.000113981	3.29364E-05	9.6294E-05	4.39612E-05	**8014**	0.00011074
9.93107E-05	0.000104899	2.85767E-05	8.78624E-05	4.38967E-05	9.78285E-05	0.000103194	2.92989E-05	8.78624E-05	4.26623E-05	**8015**	9.94566E-05
9.02174E-05	9.5387E-05	2.47874E-05	8.23313E-05	4.29804E-05	9.02773E-05	9.53066E-05	2.60402E-05	8.23313E-05	4.17287E-05	**8016**	9.03389E-05
7.68014E-05	8.12829E-05	2.00812E-05	7.21235E-05	4.31381E-05	7.80032E-05	8.2413E-05	2.16777E-05	7.21235E-05	4.193E-05	**8017**	7.69332E-05
7.43743E-05	7.87651E-05	1.88025E-05	7.12857E-05	4.35061E-05	7.63395E-05	8.06975E-05	2.06766E-05	7.12857E-05	4.23123E-05	**8018**	7.44873E-05
7.38231E-05	7.81982E-05	1.84484E-05	7.16475E-05	4.44542E-05	7.6235E-05	8.05998E-05	2.04851E-05	7.16475E-05	4.32934E-05	**8019**	7.39654E-05
7.6773E-05	8.13282E-05	1.91192E-05	7.51242E-05	4.6488E-05	7.95849E-05	8.41461E-05	2.13264E-05	7.51242E-05	4.53837E-05	**8020**	7.69294E-05
8.37624E-05	8.87163E-05	2.10626E-05	8.19463E-05	4.88301E-05	8.67858E-05	9.17486E-05	2.33982E-05	8.19463E-05	4.77865E-05	**8021**	8.39166E-05
9.25803E-05	9.80306E-05	2.35965E-05	8.97654E-05	4.89286E-05	9.54822E-05	0.000100926	2.5953E-05	8.97654E-05	4.7839E-05	**8022**	9.26815E-05
9.53711E-05	0.000100879	2.56607E-05	9.40426E-05	9.41393E-05	9.88624E-05	0.000104416	2.79272E-05	9.40426E-05	8.55206E-05	**8023**	9.55772E-05
9.3112E-05	9.8409E-05	2.60701E-05	9.37588E-05	9.25116E-05	9.72603E-05	0.000102664	2.82426E-05	9.37588E-05	8.37961E-05	**8024**	9.3392E-05
9.05136E-05	9.56363E-05	2.56771E-05	9.07038E-05	9.26997E-05	9.42767E-05	9.94908E-05	2.76792E-05	9.07038E-05	8.39759E-05	**8025**	9.0834E-05
8.88393E-05	9.38636E-05	2.52492E-05	8.69086E-05	9.29354E-05	9.15206E-05	9.65836E-05	2.6854E-05	8.69086E-05	8.42033E-05	**8026**	8.89732E-05
8.79035E-05	9.28713E-05	2.50277E-05	8.44208E-05	9.37694E-05	8.98031E-05	9.47713E-05	2.6347E-05	8.44208E-05	8.50433E-05	**8027**	8.79045E-05
8.6133E-05	9.10187E-05	2.4296E-05	8.21107E-05	8.74906E-05	8.77472E-05	9.26199E-05	2.55112E-05	8.21107E-05	8.00328E-05	**8028**	8.60184E-05
8.55651E-05	9.04131E-05	2.42049E-05	8.19382E-05	8.79934E-05	8.73308E-05	9.21744E-05	2.54664E-05	8.19382E-05	8.05386E-05	**8029**	8.55031E-05
8.58234E-05	9.07021E-05	2.40754E-05	8.29275E-05	8.73702E-05	8.79834E-05	9.28764E-05	2.54871E-05	8.29275E-05	7.99E-05	**8030**	8.57754E-05
8.79607E-05	9.29786E-05	2.4451E-05	8.50314E-05	9.2906E-05	9.0234E-05	9.52687E-05	2.59286E-05	8.50314E-05	8.41415E-05	**8031**	8.78561E-05
9.44775E-05	9.98833E-05	2.60587E-05	9.09648E-05	9.04334E-05	9.67832E-05	0.000102199	2.76064E-05	9.09648E-05	8.16085E-05	**8032**	9.42781E-05
0.000104257	0.000110248	2.84406E-05	9.99001E-05	8.87163E-05	0.000106632	0.000112624	3.0102E-05	9.99001E-05	7.98482E-05	**8033**	0.00010391
0.000113655	0.000120128	3.17269E-05	0.000106756	8.73427E-05	0.000115092	0.000121511	3.30993E-05	0.000106756	7.84444E-05	**8034**	0.000113271
0.000120363	0.000127076	3.53941E-05	0.000109834	7.19947E-05	0.000120027	0.000126597	3.61127E-05	0.000109834	6.56054E-05	**8035**	0.000120135
0.00011974	0.000126327	3.63786E-05	0.000107646	5.92985E-05	0.000118423	0.000124822	3.66952E-05	0.000107646	5.55146E-05	**8036**	0.000119674
0.00011716	0.00012362	3.54027E-05	0.000103269	5.10263E-05	0.000114926	0.000121132	3.56505E-05	0.000103269	4.84889E-05	**8037**	0.000117232
0.000110622	0.000116792	3.25317E-05	9.6294E-05	4.51703E-05	0.000108096	0.000113981	3.29364E-05	9.6294E-05	4.39612E-05	**8038**	0.00011074
9.93107E-05	0.000104899	2.85767E-05	8.78624E-05	4.38967E-05	9.78285E-05	0.000103194	2.92989E-05	8.78624E-05	4.26623E-05	**8039**	9.94566E-05
9.02174E-05	9.5387E-05	2.47874E-05	8.23313E-05	4.29804E-05	9.02773E-05	9.53066E-05	2.60402E-05	8.23313E-05	4.17287E-05	**8040**	9.03389E-05
9.18593E-05	9.71934E-05	2.43475E-05	9.13275E-05	4.2117E-05	9.56381E-05	0.000101015	2.69678E-05	9.13275E-05	4.08852E-05	**8041**	9.24178E-05
8.85037E-05	9.36934E-05	2.28193E-05	8.93758E-05	4.25348E-05	9.29179E-05	9.81834E-05	2.56644E-05	8.93758E-05	4.1322E-05	**8042**	8.90272E-05
8.61215E-05	9.1184E-05	2.20469E-05	8.79233E-05	4.35632E-05	9.08974E-05	9.60562E-05	2.50066E-05	8.79233E-05	4.23894E-05	**8043**	8.66963E-05
8.77684E-05	9.29276E-05	2.24698E-05	9.03674E-05	4.54031E-05	9.29972E-05	9.82736E-05	2.56039E-05	9.03674E-05	4.42847E-05	**8044**	8.84096E-05
9.40028E-05	9.95092E-05	2.43105E-05	9.68033E-05	4.7832E-05	9.95668E-05	0.000105201	2.76063E-05	9.68033E-05	4.67707E-05	**8045**	9.47023E-05
0.000104023	0.00011011	2.69856E-05	0.000105121	4.84894E-05	0.000109218	0.000115402	3.02321E-05	0.000105121	4.73981E-05	**8046**	0.000104557
0.000108655	0.000114933	2.92008E-05	0.000109825	9.50069E-05	0.000113912	0.000120309	3.22002E-05	0.000109825	8.6413E-05	**8047**	0.000109073

0.000107885	0.000114053	2.98269E-05	0.000110376	9.47786E-05	0.000113587	0.000119922	3.26773E-05	0.000110376	8.61272E-05	**8048**	0.000108269
0.000107535	0.000113655	3.00766E-05	0.000110218	9.56619E-05	0.00011325	0.000119539	3.29139E-05	0.000110218	8.70145E-05	**8049**	0.000108027
0.000105738	0.000111724	2.99707E-05	0.000108117	9.60519E-05	0.000111161	0.000117306	3.2674E-05	0.000108117	8.74046E-05	**8050**	0.000106302
0.000104025	0.000109891	2.97724E-05	0.000105899	9.65145E-05	0.000109086	0.000115096	3.23227E-05	0.000105899	8.78739E-05	**8051**	0.000104613
0.000102551	0.000108346	2.92059E-05	0.000104388	8.94E-05	0.000107563	0.000113499	3.1734E-05	0.000104388	8.20201E-05	**8052**	0.000103092
0.000101538	0.000107281	2.88467E-05	0.000102912	8.92177E-05	0.000106302	0.000112175	3.12828E-05	0.000102912	8.18375E-05	**8053**	0.000102014
0.000100492	0.000106196	2.82994E-05	0.000101988	8.82371E-05	0.000105317	0.000111155	3.07602E-05	0.000101988	8.08368E-05	**8054**	0.00010091
0.000101873	0.000107667	2.85434E-05	0.000103556	9.36803E-05	0.00010687	0.000112804	3.10816E-05	0.000103556	8.49825E-05	**8055**	0.000102274
0.000110759	0.000117076	3.08118E-05	0.000112456	9.13065E-05	0.00011617	0.000122637	3.35731E-05	0.000112456	8.25466E-05	**8056**	0.000111124
0.000124061	0.00013118	3.39603E-05	0.000124684	8.90876E-05	0.000129617	0.000136877	3.68989E-05	0.000124684	8.02685E-05	**8057**	0.000124208
0.000136846	0.000144667	3.78551E-05	0.000134039	8.72716E-05	0.000141246	0.000149136	4.04675E-05	0.000134039	7.84069E-05	**8058**	0.000136794
0.000143853	0.000151941	4.14859E-05	0.000136871	7.16621E-05	0.000146256	0.000154311	4.33726E-05	0.000136871	6.52972E-05	**8059**	0.000143877
0.000141872	0.000149751	4.21448E-05	0.000133258	5.86219E-05	0.000143196	0.000150996	4.35824E-05	0.000133258	5.48525E-05	**8060**	0.000142062
0.000138409	0.000146117	4.0845E-05	0.000127371	5.01324E-05	0.000138497	0.000146044	4.20974E-05	0.000127371	4.76018E-05	**8061**	0.000138658
0.000130452	0.000137779	3.77142E-05	0.000119324	4.39717E-05	0.00013033	0.000137469	3.91353E-05	0.000119324	4.27587E-05	**8062**	0.000130811
0.0001162	0.000122759	3.31845E-05	0.000108483	4.27076E-05	0.000117205	0.000123647	3.49202E-05	0.000108483	4.14684E-05	**8063**	0.000116694
0.000105598	0.000111648	2.9032E-05	0.00010136	4.19502E-05	0.000108033	0.000114045	3.12444E-05	0.00010136	4.0696E-05	**8064**	0.000106073
9.18593E-05	9.71934E-05	2.43475E-05	9.13275E-05	4.2117E-05	9.56381E-05	0.000101015	2.69678E-05	9.13275E-05	4.08852E-05	**8065**	9.24178E-05
8.85037E-05	9.36934E-05	2.28193E-05	8.93758E-05	4.25348E-05	9.29179E-05	9.81834E-05	2.56644E-05	8.93758E-05	4.1322E-05	**8066**	8.90272E-05
8.61215E-05	9.1184E-05	2.20469E-05	8.79233E-05	4.35632E-05	9.08974E-05	9.60562E-05	2.50066E-05	8.79233E-05	4.23894E-05	**8067**	8.66963E-05
8.77684E-05	9.29276E-05	2.24698E-05	9.03674E-05	4.54031E-05	9.29972E-05	9.82736E-05	2.56039E-05	9.03674E-05	4.42847E-05	**8068**	8.84096E-05
9.40028E-05	9.95092E-05	2.43105E-05	9.68033E-05	4.7832E-05	9.95668E-05	0.000105201	2.76063E-05	9.68033E-05	4.67707E-05	**8069**	9.47023E-05
0.000104023	0.00011011	2.69856E-05	0.000105121	4.84894E-05	0.000109218	0.000115402	3.02321E-05	0.000105121	4.73981E-05	**8070**	0.000104557
0.000108655	0.000114933	2.92008E-05	0.000109825	9.50069E-05	0.000113912	0.000120309	3.22002E-05	0.000109825	8.6413E-05	**8071**	0.000109073
0.000107885	0.000114053	2.98269E-05	0.000110376	9.47786E-05	0.000113587	0.000119922	3.26773E-05	0.000110376	8.61272E-05	**8072**	0.000108269
0.000107535	0.000113655	3.00766E-05	0.000110218	9.56619E-05	0.00011325	0.000119539	3.29139E-05	0.000110218	8.70145E-05	**8073**	0.000108027
0.000105738	0.000111724	2.99707E-05	0.000108117	9.60519E-05	0.000111161	0.000117306	3.2674E-05	0.000108117	8.74046E-05	**8074**	0.000106302
0.000104025	0.000109891	2.97724E-05	0.000105899	9.65145E-05	0.000109086	0.000115096	3.23227E-05	0.000105899	8.78739E-05	**8075**	0.000104613
0.000102551	0.000108346	2.92059E-05	0.000104388	8.94E-05	0.000107563	0.000113499	3.1734E-05	0.000104388	8.20201E-05	**8076**	0.000103092
0.000101538	0.000107281	2.88467E-05	0.000102912	8.92177E-05	0.000106302	0.000112175	3.12828E-05	0.000102912	8.18375E-05	**8077**	0.000102014
0.000100492	0.000106196	2.82994E-05	0.000101988	8.82371E-05	0.000105317	0.000111155	3.07602E-05	0.000101988	8.08368E-05	**8078**	0.00010091
0.000101873	0.000107667	2.85434E-05	0.000103556	9.36803E-05	0.00010687	0.000112804	3.10816E-05	0.000103556	8.49825E-05	**8079**	0.000102274
0.000110759	0.000117076	3.08118E-05	0.000112456	9.13065E-05	0.00011617	0.000122637	3.35731E-05	0.000112456	8.25466E-05	**8080**	0.000111124
0.000124061	0.00013118	3.39603E-05	0.000124684	8.90876E-05	0.000129617	0.000136877	3.68989E-05	0.000124684	8.02685E-05	**8081**	0.000124208
0.000136846	0.000144667	3.78551E-05	0.000134039	8.72716E-05	0.000141246	0.000149136	4.04675E-05	0.000134039	7.84069E-05	**8082**	0.000136794
0.000143853	0.000151941	4.14859E-05	0.000136871	7.16621E-05	0.000146256	0.000154311	4.33726E-05	0.000136871	6.52972E-05	**8083**	0.000143877
0.000141872	0.000149751	4.21448E-05	0.000133258	5.86219E-05	0.000143196	0.000150996	4.35824E-05	0.000133258	5.48525E-05	**8084**	0.000142062
0.000138409	0.000146117	4.0845E-05	0.000127371	5.01324E-05	0.000138497	0.000146044	4.20974E-05	0.000127371	4.76018E-05	**8085**	0.000138658
0.000130452	0.000137779	3.77142E-05	0.000119324	4.39717E-05	0.00013033	0.000137469	3.91353E-05	0.000119324	4.27587E-05	**8086**	0.000130811
0.0001162	0.000122759	3.31845E-05	0.000108483	4.27076E-05	0.000117205	0.000123647	3.49202E-05	0.000108483	4.14684E-05	**8087**	0.000116694
0.000105598	0.000111648	2.9032E-05	0.00010136	4.19502E-05	0.000108033	0.000114045	3.12444E-05	0.00010136	4.0696E-05	**8088**	0.000106073
9.16601E-05	9.69828E-05	2.42937E-05	9.10872E-05	4.20382E-05	9.54109E-05	0.000100775	2.69025E-05	9.10872E-05	4.08056E-05	**8089**	9.2215E-05
8.72409E-05	9.23579E-05	2.24771E-05	8.78463E-05	4.25127E-05	9.14745E-05	9.66595E-05	2.52483E-05	8.78463E-05	4.13004E-05	**8090**	8.77401E-05
8.48801E-05	8.9871E-05	2.17109E-05	8.64219E-05	4.35787E-05	8.94794E-05	9.45592E-05	2.45983E-05	8.64219E-05	4.24063E-05	**8091**	8.54312E-05
8.65688E-05	9.16584E-05	2.2152E-05	8.89519E-05	4.53627E-05	9.16424E-05	9.68427E-05	2.52213E-05	8.89519E-05	4.42437E-05	**8092**	8.71923E-05
9.28154E-05	9.82523E-05	2.40019E-05	9.54332E-05	4.77512E-05	9.82394E-05	0.000103798	2.72382E-05	9.54332E-05	4.66883E-05	**8093**	9.35017E-05
0.000102858	0.000108877	2.66806E-05	0.000103766	4.83377E-05	0.00010791	0.00011402	2.9867E-05	0.000103766	4.72424E-05	**8094**	0.000103377
0.000108905	0.000115222	2.89504E-05	0.00010858	9.48375E-05	0.000113519	0.00011991	3.18861E-05	0.00010858	8.62391E-05	**8095**	0.000109313
0.000106363	0.000112441	2.94415E-05	0.000108673	9.4565E-05	0.000111909	0.000118148	3.22235E-05	0.000108673	8.59073E-05	**8096**	0.000106737
0.00010558	0.000111585	2.95844E-05	0.000108045	9.53993E-05	0.0001111	0.000117267	3.23358E-05	0.000108045	8.67437E-05	**8097**	0.000106062
0.000103227	0.000109065	2.93424E-05	0.000105345	9.58133E-05	0.000108409	0.000114396	3.19382E-05	0.000105345	8.71588E-05	**8098**	0.000103781
0.000101214	0.000106915	2.90682E-05	0.000102792	9.63513E-05	0.000106004	0.000111837	3.14975E-05	0.000102792	8.7706E-05	**8099**	0.000101791
9.96418E-05	0.000105265	2.8473E-05	0.000101152	8.92279E-05	0.000104363	0.000110117	3.08728E-05	0.000101152	8.18433E-05	**8100**	0.000100167
9.86019E-05	0.000104172	2.80996E-05	9.96072E-05	8.90084E-05	0.000103056	0.000108744	3.04007E-05	9.96072E-05	8.16221E-05	**8101**	9.90574E-05
9.76988E-05	0.000103237	2.76016E-05	9.89108E-05	8.80472E-05	0.000102259	0.00010792	2.99439E-05	9.89108E-05	8.06412E-05	**8102**	9.81064E-05
9.93489E-05	0.000104993	2.79081E-05	0.00010075	9.35168E-05	0.000104095	0.00010987	3.03355E-05	0.00010075	8.48144E-05	**8103**	9.97366E-05
0.000108597	0.000114786	3.0253E-05	0.000109977	9.12E-05	0.00011376	0.00012009	3.29084E-05	0.000109977	8.24375E-05	**8104**	0.00010894
0.000122097	0.000129102	3.34393E-05	0.000122363	8.89423E-05	0.000127398	0.000134533	3.62712E-05	0.000122363	8.01193E-05	**8105**	0.000122215
0.000135027	0.000142742	3.73783E-05	0.000131919	8.71111E-05	0.000139203	0.000146979	3.98963E-05	0.000131919	7.82419E-05	**8106**	0.000134952
0.000142132	0.00015012	4.10224E-05	0.000134801	7.14301E-05	0.000144295	0.000152241	4.28104E-05	0.000134801	6.50589E-05	**8107**	0.000142124
0.000140408	0.000148204	4.17349E-05	0.000131416	5.84458E-05	0.000141493	0.000149199	4.30766E-05	0.000131416	5.4672E-05	**8108**	0.00014056
0.000135678	0.000143204	4.04267E-05	0.000125629	5.00484E-05	0.000136062	0.000143457	4.16E-05	0.000125629	4.75169E-05	**8109**	0.000135892
0.000129217	0.000136474	3.73739E-05	0.000117799	4.3958E-05	0.000128905	0.000135966	3.87183E-05	0.000117799	4.27461E-05	**8110**	0.000129549
0.000115135	0.000121632	3.29051E-05	0.00010724	4.27199E-05	0.000116009	0.000122384	3.45853E-05	0.00010724	4.14827E-05	**8111**	0.000115615
0.000104966	0.000110978	2.88741E-05	0.000100664	4.20972E-05	0.000107341	0.000113314	3.10598E-05	0.000100664	4.08485E-05	**8112**	0.000105438
9.16601E-05	9.69828E-05	2.42937E-05	9.10872E-05	4.20382E-05	9.54109E-05	0.000100775	2.69025E-05	9.10872E-05	4.08056E-05	**8113**	9.2215E-05
8.72409E-05	9.23579E-05	2.24771E-05	8.78463E-05	4.25127E-05	9.14745E-05	9.66595E-05	2.52483E-05	8.78463E-05	4.13004E-05	**8114**	8.77401E-05
8.48801E-05	8.9871E-05	2.17109E-05	8.64219E-05	4.35787E-05	8.94794E-05	9.45592E-05	2.45983E-05	8.64219E-05	4.24063E-05	**8115**	8.54312E-05
8.65688E-05	9.16584E-05	2.2152E-05	8.89519E-05	4.53627E-05	9.16424E-05	9.68427E-05	2.52213E-05	8.89519E-05	4.42437E-05	**8116**	8.71923E-05
9.28154E-05	9.82523E-05	2.40019E-05	9.54332E-05	4.77512E-05	9.82394E-05	0.000103798	2.72382E-05	9.54332E-05	4.66883E-05	**8117**	9.35017E-05
0.000102858	0.000108877	2.66806E-05	0.000103766	4.83377E-05	0.00010791	0.00011402	2.9867E-05	0.000103766	4.72424E-05	**8118**	0.000103377
0.000108905	0.000115222	2.89504E-05	0.00010858	9.48375E-05	0.000113519	0.00011991	3.18861E-05	0.00010858	8.62391E-05	**8119**	0.000109313
0.000106363	0.000112441	2.94415E-05	0.000108673	9.4565E-05	0.000111909	0.000118148	3.22235E-05	0.000108673	8.59073E-05	**8120**	0.000106737
0.00010558	0.000111585	2.95844E-05	0.000108045	9.53993E-05	0.0001111	0.000117267	3.23358E-05	0.000108045	8.67437E-05	**8121**	0.000106062
0.000103227	0.000109065	2.93424E-05	0.000105345	9.58133E-05	0.000108409	0.000114396	3.19382E-05	0.000105345	8.71588E-05	**8122**	0.000103781
0.000101214	0.000106915	2.90682E-05	0.000102792	9.63513E-05	0.000106004	0.000111837	3.14975E-05	0.000102792	8.7706E-05	**8123**	0.000101791

9.96418E-05	0.000105265	2.8473E-05	0.000101152	8.92279E-05	0.000104363	0.000110117	3.08728E-05	0.000101152	8.18433E-05	**8124**	0.000100167
9.86019E-05	0.000104172	2.80996E-05	9.96072E-05	8.90084E-05	0.000103056	0.000108744	3.04007E-05	9.96072E-05	8.16221E-05	**8125**	9.90574E-05
9.76988E-05	0.000103237	2.76016E-05	9.89108E-05	8.80472E-05	0.000102259	0.00010792	2.99439E-05	9.89108E-05	8.06412E-05	**8126**	9.81064E-05
9.93489E-05	0.000104993	2.79081E-05	0.00010075	9.35168E-05	0.000104095	0.00010987	3.03355E-05	0.00010075	8.48144E-05	**8127**	9.97366E-05
0.000108597	0.000114786	3.0253E-05	0.000109977	9.12E-05	0.00011376	0.00012009	3.29084E-05	0.000109977	8.24375E-05	**8128**	0.00010894
0.000122097	0.000129102	3.34393E-05	0.000122363	8.89423E-05	0.000127398	0.000134533	3.62712E-05	0.000122363	8.01193E-05	**8129**	0.000122215
0.000135027	0.000142742	3.73783E-05	0.000131919	8.71111E-05	0.000139203	0.000146979	3.98963E-05	0.000131919	7.82419E-05	**8130**	0.000134952
0.000142132	0.00015012	4.10224E-05	0.000134801	7.14301E-05	0.000144295	0.000152241	4.28104E-05	0.000134801	6.50589E-05	**8131**	0.000142124
0.000140408	0.000148204	4.17349E-05	0.000131416	5.84458E-05	0.000141493	0.000149199	4.30766E-05	0.000131416	5.4672E-05	**8132**	0.00014056
0.000135678	0.000143204	4.04267E-05	0.000125629	5.00484E-05	0.000136062	0.000143457	4.16E-05	0.000125629	4.75169E-05	**8133**	0.000135892
0.000129217	0.000136474	3.73739E-05	0.000117799	4.3958E-05	0.000128905	0.000135966	3.87183E-05	0.000117799	4.27461E-05	**8134**	0.000129549
0.000115135	0.000121632	3.29051E-05	0.00010724	4.27199E-05	0.000116009	0.000122384	3.45853E-05	0.00010724	4.14827E-05	**8135**	0.000115615
0.000104966	0.000110978	2.88741E-05	0.000100664	4.20972E-05	0.000107341	0.000113314	3.10598E-05	0.000100664	4.08485E-05	**8136**	0.000105438
9.18593E-05	9.71934E-05	2.43475E-05	9.13275E-05	4.2117E-05	9.56381E-05	0.000101015	2.69678E-05	9.13275E-05	4.08852E-05	**8137**	9.24178E-05
8.85037E-05	9.36934E-05	2.28193E-05	8.93758E-05	4.25348E-05	9.29179E-05	9.81834E-05	2.56644E-05	8.93758E-05	4.1322E-05	**8138**	8.90272E-05
8.61215E-05	9.1184E-05	2.20469E-05	8.79233E-05	4.35632E-05	9.08974E-05	9.60562E-05	2.50066E-05	8.79233E-05	4.23894E-05	**8139**	8.66963E-05
8.77684E-05	9.29276E-05	2.24698E-05	9.03674E-05	4.54031E-05	9.29972E-05	9.82736E-05	2.56039E-05	9.03674E-05	4.42847E-05	**8140**	8.84096E-05
9.40028E-05	9.95092E-05	2.43105E-05	9.68033E-05	4.7832E-05	9.95668E-05	0.000105201	2.76063E-05	9.68033E-05	4.67707E-05	**8141**	9.47023E-05
0.000104023	0.00011011	2.69856E-05	0.000105121	4.84894E-05	0.000109218	0.000115402	3.02321E-05	0.000105121	4.73981E-05	**8142**	0.000104557
0.000108655	0.000114933	2.92008E-05	0.000109825	9.50069E-05	0.000113912	0.000120309	3.22002E-05	0.000109825	8.6413E-05	**8143**	0.000109073
0.000107885	0.000114053	2.98269E-05	0.000110376	9.47786E-05	0.000113587	0.000119922	3.26773E-05	0.000110376	8.61272E-05	**8144**	0.000108269
0.000107535	0.000113655	3.00766E-05	0.000110218	9.56619E-05	0.00011325	0.000119539	3.29139E-05	0.000110218	8.70145E-05	**8145**	0.000108027
0.000105738	0.000111724	2.99707E-05	0.000108117	9.60519E-05	0.000111161	0.000117306	3.2674E-05	0.000108117	8.74046E-05	**8146**	0.000106302
0.000104025	0.000109891	2.97724E-05	0.000105899	9.65145E-05	0.000109086	0.000115096	3.23227E-05	0.000105899	8.78739E-05	**8147**	0.000104613
0.000102551	0.000108346	2.92059E-05	0.000104388	8.94E-05	0.000107563	0.000113499	3.1734E-05	0.000104388	8.20201E-05	**8148**	0.000103092
0.000101538	0.000107281	2.88467E-05	0.000102912	8.92177E-05	0.000106302	0.000112175	3.12828E-05	0.000102912	8.18375E-05	**8149**	0.000102014
0.000100492	0.000106196	2.82994E-05	0.000101988	8.82371E-05	0.000105317	0.000111155	3.07602E-05	0.000101988	8.08368E-05	**8150**	0.00010091
0.000101873	0.000107667	2.85434E-05	0.000103556	9.36803E-05	0.00010687	0.000112804	3.10816E-05	0.000103556	8.49825E-05	**8151**	0.000102274
0.000110759	0.000117076	3.08118E-05	0.000112456	9.13065E-05	0.00011617	0.000122637	3.35731E-05	0.000112456	8.25466E-05	**8152**	0.000111124
0.000124061	0.00013118	3.39603E-05	0.000124684	8.90876E-05	0.000129617	0.000136877	3.68989E-05	0.000124684	8.02685E-05	**8153**	0.000124208
0.000136846	0.000144667	3.78551E-05	0.000134039	8.72716E-05	0.000141246	0.000149136	4.04675E-05	0.000134039	7.84069E-05	**8154**	0.000136794
0.000143853	0.000151941	4.14859E-05	0.000136871	7.16621E-05	0.000146256	0.000154311	4.33726E-05	0.000136871	6.52972E-05	**8155**	0.000143877
0.000141872	0.000149751	4.21448E-05	0.000133258	5.86219E-05	0.000143196	0.000150996	4.35824E-05	0.000133258	5.48525E-05	**8156**	0.000142062
0.000138409	0.000146117	4.0845E-05	0.000127371	5.01324E-05	0.000138497	0.000146044	4.20974E-05	0.000127371	4.76018E-05	**8157**	0.000138658
0.000130452	0.000137779	3.77142E-05	0.000119324	4.39717E-05	0.00013033	0.000137469	3.91353E-05	0.000119324	4.27587E-05	**8158**	0.000130811
0.0001162	0.000122759	3.31845E-05	0.000108483	4.27076E-05	0.000117205	0.000123647	3.49202E-05	0.000108483	4.14684E-05	**8159**	0.000116694
0.000105598	0.000111648	2.9032E-05	0.00010136	4.19502E-05	0.000108033	0.000114045	3.12444E-05	0.00010136	4.0696E-05	**8160**	0.000106073
9.18593E-05	9.71934E-05	2.43475E-05	9.13275E-05	4.2117E-05	9.56381E-05	0.000101015	2.69678E-05	9.13275E-05	4.08852E-05	**8161**	9.24178E-05
8.85037E-05	9.36934E-05	2.28193E-05	8.93758E-05	4.25348E-05	9.29179E-05	9.81834E-05	2.56644E-05	8.93758E-05	4.1322E-05	**8162**	8.90272E-05
8.61215E-05	9.1184E-05	2.20469E-05	8.79233E-05	4.35632E-05	9.08974E-05	9.60562E-05	2.50066E-05	8.79233E-05	4.23894E-05	**8163**	8.66963E-05
8.77684E-05	9.29276E-05	2.24698E-05	9.03674E-05	4.54031E-05	9.29972E-05	9.82736E-05	2.56039E-05	9.03674E-05	4.42847E-05	**8164**	8.84096E-05
9.40028E-05	9.95092E-05	2.43105E-05	9.68033E-05	4.7832E-05	9.95668E-05	0.000105201	2.76063E-05	9.68033E-05	4.67707E-05	**8165**	9.47023E-05
0.000104023	0.00011011	2.69856E-05	0.000105121	4.84894E-05	0.000109218	0.000115402	3.02321E-05	0.000105121	4.73981E-05	**8166**	0.000104557
0.000108655	0.000114933	2.92008E-05	0.000109825	9.50069E-05	0.000113912	0.000120309	3.22002E-05	0.000109825	8.6413E-05	**8167**	0.000109073
0.000107885	0.000114053	2.98269E-05	0.000110376	9.47786E-05	0.000113587	0.000119922	3.26773E-05	0.000110376	8.61272E-05	**8168**	0.000108269
0.000107535	0.000113655	3.00766E-05	0.000110218	9.56619E-05	0.00011325	0.000119539	3.29139E-05	0.000110218	8.70145E-05	**8169**	0.000108027
0.000105738	0.000111724	2.99707E-05	0.000108117	9.60519E-05	0.000111161	0.000117306	3.2674E-05	0.000108117	8.74046E-05	**8170**	0.000106302
0.000104025	0.000109891	2.97724E-05	0.000105899	9.65145E-05	0.000109086	0.000115096	3.23227E-05	0.000105899	8.78739E-05	**8171**	0.000104613
0.000102551	0.000108346	2.92059E-05	0.000104388	8.94E-05	0.000107563	0.000113499	3.1734E-05	0.000104388	8.20201E-05	**8172**	0.000103092
0.000101538	0.000107281	2.88467E-05	0.000102912	8.92177E-05	0.000106302	0.000112175	3.12828E-05	0.000102912	8.18375E-05	**8173**	0.000102014
0.000100492	0.000106196	2.82994E-05	0.000101988	8.82371E-05	0.000105317	0.000111155	3.07602E-05	0.000101988	8.08368E-05	**8174**	0.00010091
0.000101873	0.000107667	2.85434E-05	0.000103556	9.36803E-05	0.00010687	0.000112804	3.10816E-05	0.000103556	8.49825E-05	**8175**	0.000102274
0.000110759	0.000117076	3.08118E-05	0.000112456	9.13065E-05	0.00011617	0.000122637	3.35731E-05	0.000112456	8.25466E-05	**8176**	0.000111124
0.000124061	0.00013118	3.39603E-05	0.000124684	8.90876E-05	0.000129617	0.000136877	3.68989E-05	0.000124684	8.02685E-05	**8177**	0.000124208
0.000136846	0.000144667	3.78551E-05	0.000134039	8.72716E-05	0.000141246	0.000149136	4.04675E-05	0.000134039	7.84069E-05	**8178**	0.000136794
0.000143853	0.000151941	4.14859E-05	0.000136871	7.16621E-05	0.000146256	0.000154311	4.33726E-05	0.000136871	6.52972E-05	**8179**	0.000143877
0.000141872	0.000149751	4.21448E-05	0.000133258	5.86219E-05	0.000143196	0.000150996	4.35824E-05	0.000133258	5.48525E-05	**8180**	0.000142062
0.000138409	0.000146117	4.0845E-05	0.000127371	5.01324E-05	0.000138497	0.000146044	4.20974E-05	0.000127371	4.76018E-05	**8181**	0.000138658
0.000130452	0.000137779	3.77142E-05	0.000119324	4.39717E-05	0.00013033	0.000137469	3.91353E-05	0.000119324	4.27587E-05	**8182**	0.000130811
0.0001162	0.000122759	3.31845E-05	0.000108483	4.27076E-05	0.000117205	0.000123647	3.49202E-05	0.000108483	4.14684E-05	**8183**	0.000116694
0.000105598	0.000111648	2.9032E-05	0.00010136	4.19502E-05	0.000108033	0.000114045	3.12444E-05	0.00010136	4.0696E-05	**8184**	0.000106073
9.18593E-05	9.71934E-05	2.43475E-05	9.13275E-05	4.2117E-05	9.56381E-05	0.000101015	2.69678E-05	9.13275E-05	4.08852E-05	**8185**	9.24178E-05
8.85037E-05	9.36934E-05	2.28193E-05	8.93758E-05	4.25348E-05	9.29179E-05	9.81834E-05	2.56644E-05	8.93758E-05	4.1322E-05	**8186**	8.90272E-05
8.61215E-05	9.1184E-05	2.20469E-05	8.79233E-05	4.35632E-05	9.08974E-05	9.60562E-05	2.50066E-05	8.79233E-05	4.23894E-05	**8187**	8.66963E-05
8.77684E-05	9.29276E-05	2.24698E-05	9.03674E-05	4.54031E-05	9.29972E-05	9.82736E-05	2.56039E-05	9.03674E-05	4.42847E-05	**8188**	8.84096E-05
9.40028E-05	9.95092E-05	2.43105E-05	9.68033E-05	4.7832E-05	9.95668E-05	0.000105201	2.76063E-05	9.68033E-05	4.67707E-05	**8189**	9.47023E-05
0.000104023	0.00011011	2.69856E-05	0.000105121	4.84894E-05	0.000109218	0.000115402	3.02321E-05	0.000105121	4.73981E-05	**8190**	0.000104557
0.000108655	0.000114933	2.92008E-05	0.000109825	9.50069E-05	0.000113912	0.000120309	3.22002E-05	0.000109825	8.6413E-05	**8191**	0.000109073
0.000107885	0.000114053	2.98269E-05	0.000110376	9.47786E-05	0.000113587	0.000119922	3.26773E-05	0.000110376	8.61272E-05	**8192**	0.000108269
0.000107535	0.000113655	3.00766E-05	0.000110218	9.56619E-05	0.00011325	0.000119539	3.29139E-05	0.000110218	8.70145E-05	**8193**	0.000108027
0.000105738	0.000111724	2.99707E-05	0.000108117	9.60519E-05	0.000111161	0.000117306	3.2674E-05	0.000108117	8.74046E-05	**8194**	0.000106302
0.000104025	0.000109891	2.97724E-05	0.000105899	9.65145E-05	0.000109086	0.000115096	3.23227E-05	0.000105899	8.78739E-05	**8195**	0.000104613
0.000102551	0.000108346	2.92059E-05	0.000104388	8.94E-05	0.000107563	0.000113499	3.1734E-05	0.000104388	8.20201E-05	**8196**	0.000103092
0.000101538	0.000107281	2.88467E-05	0.000102912	8.92177E-05	0.000106302	0.000112175	3.12828E-05	0.000102912	8.18375E-05	**8197**	0.000102014
0.000100492	0.000106196	2.82994E-05	0.000101988	8.82371E-05	0.000105317	0.000111155	3.07602E-05	0.000101988	8.08368E-05	**8198**	0.00010091
0.000101873	0.000107667	2.85434E-05	0.000103556	9.36803E-05	0.00010687	0.000112804	3.10816E-05	0.000103556	8.49825E-05	**8199**	0.000102274

0.000110759	0.000117076	3.08118E-05	0.000112456	9.13065E-05	0.00011617	0.000122637	3.35731E-05	0.000112456	8.25466E-05	**8200**	0.000111124
0.000124061	0.00013118	3.39603E-05	0.000124684	8.90876E-05	0.000129617	0.000136877	3.68989E-05	0.000124684	8.02685E-05	**8201**	0.000124208
0.000136846	0.000144667	3.78551E-05	0.000134039	8.72716E-05	0.000141246	0.000149136	4.04675E-05	0.000134039	7.84069E-05	**8202**	0.000136794
0.000143853	0.000151941	4.14859E-05	0.000136871	7.16621E-05	0.000146256	0.000154311	4.33726E-05	0.000136871	6.52972E-05	**8203**	0.000143877
0.000141872	0.000149751	4.21448E-05	0.000133258	5.86219E-05	0.000143196	0.000150996	4.35824E-05	0.000133258	5.48525E-05	**8204**	0.000142062
0.000138409	0.000146117	4.0845E-05	0.000127371	5.01324E-05	0.000138497	0.000146044	4.20974E-05	0.000127371	4.76018E-05	**8205**	0.000138658
0.000130452	0.000137779	3.77142E-05	0.000119324	4.39717E-05	0.00013033	0.000137469	3.91353E-05	0.000119324	4.27587E-05	**8206**	0.000130811
0.0001162	0.000122759	3.31845E-05	0.000108483	4.27076E-05	0.000117205	0.000123647	3.49202E-05	0.000108483	4.14684E-05	**8207**	0.000116694
0.000105598	0.000111648	2.9032E-05	0.00010136	4.19502E-05	0.000108033	0.000114045	3.12444E-05	0.00010136	4.0696E-05	**8208**	0.000106073
9.18593E-05	9.71934E-05	2.43475E-05	9.13275E-05	4.2117E-05	9.56381E-05	0.000101015	2.69678E-05	9.13275E-05	4.08852E-05	**8209**	9.24178E-05
8.85037E-05	9.36934E-05	2.28193E-05	8.93758E-05	4.25348E-05	9.29179E-05	9.81834E-05	2.56644E-05	8.93758E-05	4.1322E-05	**8210**	8.90272E-05
8.61215E-05	9.1184E-05	2.20469E-05	8.79233E-05	4.35632E-05	9.08974E-05	9.60562E-05	2.50066E-05	8.79233E-05	4.23894E-05	**8211**	8.66963E-05
8.77684E-05	9.29276E-05	2.24698E-05	9.03674E-05	4.54031E-05	9.29972E-05	9.82736E-05	2.56039E-05	9.03674E-05	4.42847E-05	**8212**	8.84096E-05
9.40028E-05	9.95092E-05	2.43105E-05	9.68033E-05	4.7832E-05	9.95668E-05	0.000105201	2.76063E-05	9.68033E-05	4.67707E-05	**8213**	9.47023E-05
0.000104023	0.00011011	2.69856E-05	0.000105121	4.84894E-05	0.000109218	0.000115402	3.02321E-05	0.000105121	4.73981E-05	**8214**	0.000104557
0.000108655	0.000114933	2.92008E-05	0.000109825	9.50069E-05	0.000113912	0.000120309	3.22002E-05	0.000109825	8.6413E-05	**8215**	0.000109073
0.000107885	0.000114053	2.98269E-05	0.000110376	9.47786E-05	0.000113587	0.000119922	3.26773E-05	0.000110376	8.61272E-05	**8216**	0.000108269
0.000107535	0.000113655	3.00766E-05	0.000110218	9.56619E-05	0.00011325	0.000119539	3.29139E-05	0.000110218	8.70145E-05	**8217**	0.000108027
0.000105738	0.000111724	2.99707E-05	0.000108117	9.60519E-05	0.000111161	0.000117306	3.2674E-05	0.000108117	8.74046E-05	**8218**	0.000106302
0.000104025	0.000109891	2.97724E-05	0.000105899	9.65145E-05	0.000109086	0.000115096	3.23227E-05	0.000105899	8.78739E-05	**8219**	0.000104613
0.000102551	0.000108346	2.92059E-05	0.000104388	8.94E-05	0.000107563	0.000113499	3.1734E-05	0.000104388	8.20201E-05	**8220**	0.000103092
0.000101538	0.000107281	2.88467E-05	0.000102912	8.92177E-05	0.000106302	0.000112175	3.12828E-05	0.000102912	8.18375E-05	**8221**	0.000102014
0.000100492	0.000106196	2.82994E-05	0.000101988	8.82371E-05	0.000105317	0.000111155	3.07602E-05	0.000101988	8.08368E-05	**8222**	0.00010091
0.000101873	0.000107667	2.85434E-05	0.000103556	9.36803E-05	0.00010687	0.000112804	3.10816E-05	0.000103556	8.49825E-05	**8223**	0.000102274
0.000110759	0.000117076	3.08118E-05	0.000112456	9.13065E-05	0.00011617	0.000122637	3.35731E-05	0.000112456	8.25466E-05	**8224**	0.000111124
0.000124061	0.00013118	3.39603E-05	0.000124684	8.90876E-05	0.000129617	0.000136877	3.68989E-05	0.000124684	8.02685E-05	**8225**	0.000124208
0.000136846	0.000144667	3.78551E-05	0.000134039	8.72716E-05	0.000141246	0.000149136	4.04675E-05	0.000134039	7.84069E-05	**8226**	0.000136794
0.000143853	0.000151941	4.14859E-05	0.000136871	7.16621E-05	0.000146256	0.000154311	4.33726E-05	0.000136871	6.52972E-05	**8227**	0.000143877
0.000141872	0.000149751	4.21448E-05	0.000133258	5.86219E-05	0.000143196	0.000150996	4.35824E-05	0.000133258	5.48525E-05	**8228**	0.000142062
0.000138409	0.000146117	4.0845E-05	0.000127371	5.01324E-05	0.000138497	0.000146044	4.20974E-05	0.000127371	4.76018E-05	**8229**	0.000138658
0.000130452	0.000137779	3.77142E-05	0.000119324	4.39717E-05	0.00013033	0.000137469	3.91353E-05	0.000119324	4.27587E-05	**8230**	0.000130811
0.0001162	0.000122759	3.31845E-05	0.000108483	4.27076E-05	0.000117205	0.000123647	3.49202E-05	0.000108483	4.14684E-05	**8231**	0.000116694
0.000105598	0.000111648	2.9032E-05	0.00010136	4.19502E-05	0.000108033	0.000114045	3.12444E-05	0.00010136	4.0696E-05	**8232**	0.000106073
9.18593E-05	9.71934E-05	2.43475E-05	9.13275E-05	4.2117E-05	9.56381E-05	0.000101015	2.69678E-05	9.13275E-05	4.08852E-05	**8233**	9.24178E-05
8.85037E-05	9.36934E-05	2.28193E-05	8.93758E-05	4.25348E-05	9.29179E-05	9.81834E-05	2.56644E-05	8.93758E-05	4.1322E-05	**8234**	8.90272E-05
8.61215E-05	9.1184E-05	2.20469E-05	8.79233E-05	4.35632E-05	9.08974E-05	9.60562E-05	2.50066E-05	8.79233E-05	4.23894E-05	**8235**	8.66963E-05
8.77684E-05	9.29276E-05	2.24698E-05	9.03674E-05	4.54031E-05	9.29972E-05	9.82736E-05	2.56039E-05	9.03674E-05	4.42847E-05	**8236**	8.84096E-05
9.40028E-05	9.95092E-05	2.43105E-05	9.68033E-05	4.7832E-05	9.95668E-05	0.000105201	2.76063E-05	9.68033E-05	4.67707E-05	**8237**	9.47023E-05
0.000104023	0.00011011	2.69856E-05	0.000105121	4.84894E-05	0.000109218	0.000115402	3.02321E-05	0.000105121	4.73981E-05	**8238**	0.000104557
0.000108655	0.000114933	2.92008E-05	0.000109825	9.50069E-05	0.000113912	0.000120309	3.22002E-05	0.000109825	8.6413E-05	**8239**	0.000109073
0.000107885	0.000114053	2.98269E-05	0.000110376	9.47786E-05	0.000113587	0.000119922	3.26773E-05	0.000110376	8.61272E-05	**8240**	0.000108269
0.000107535	0.000113655	3.00766E-05	0.000110218	9.56619E-05	0.00011325	0.000119539	3.29139E-05	0.000110218	8.70145E-05	**8241**	0.000108027
0.000105738	0.000111724	2.99707E-05	0.000108117	9.60519E-05	0.000111161	0.000117306	3.2674E-05	0.000108117	8.74046E-05	**8242**	0.000106302
0.000104025	0.000109891	2.97724E-05	0.000105899	9.65145E-05	0.000109086	0.000115096	3.23227E-05	0.000105899	8.78739E-05	**8243**	0.000104613
0.000102551	0.000108346	2.92059E-05	0.000104388	8.94E-05	0.000107563	0.000113499	3.1734E-05	0.000104388	8.20201E-05	**8244**	0.000103092
0.000101538	0.000107281	2.88467E-05	0.000102912	8.92177E-05	0.000106302	0.000112175	3.12828E-05	0.000102912	8.18375E-05	**8245**	0.000102014
0.000100492	0.000106196	2.82994E-05	0.000101988	8.82371E-05	0.000105317	0.000111155	3.07602E-05	0.000101988	8.08368E-05	**8246**	0.00010091
0.000101873	0.000107667	2.85434E-05	0.000103556	9.36803E-05	0.00010687	0.000112804	3.10816E-05	0.000103556	8.49825E-05	**8247**	0.000102274
0.000110759	0.000117076	3.08118E-05	0.000112456	9.13065E-05	0.00011617	0.000122637	3.35731E-05	0.000112456	8.25466E-05	**8248**	0.000111124
0.000124061	0.00013118	3.39603E-05	0.000124684	8.90876E-05	0.000129617	0.000136877	3.68989E-05	0.000124684	8.02685E-05	**8249**	0.000124208
0.000136846	0.000144667	3.78551E-05	0.000134039	8.72716E-05	0.000141246	0.000149136	4.04675E-05	0.000134039	7.84069E-05	**8250**	0.000136794
0.000143853	0.000151941	4.14859E-05	0.000136871	7.16621E-05	0.000146256	0.000154311	4.33726E-05	0.000136871	6.52972E-05	**8251**	0.000143877
0.000141872	0.000149751	4.21448E-05	0.000133258	5.86219E-05	0.000143196	0.000150996	4.35824E-05	0.000133258	5.48525E-05	**8252**	0.000142062
0.000138409	0.000146117	4.0845E-05	0.000127371	5.01324E-05	0.000138497	0.000146044	4.20974E-05	0.000127371	4.76018E-05	**8253**	0.000138658
0.000130452	0.000137779	3.77142E-05	0.000119324	4.39717E-05	0.00013033	0.000137469	3.91353E-05	0.000119324	4.27587E-05	**8254**	0.000130811
0.0001162	0.000122759	3.31845E-05	0.000108483	4.27076E-05	0.000117205	0.000123647	3.49202E-05	0.000108483	4.14684E-05	**8255**	0.000116694
0.000105598	0.000111648	2.9032E-05	0.00010136	4.19502E-05	0.000108033	0.000114045	3.12444E-05	0.00010136	4.0696E-05	**8256**	0.000106073
9.16601E-05	9.69828E-05	2.42937E-05	9.10872E-05	4.20382E-05	9.54109E-05	0.000100775	2.69025E-05	9.10872E-05	4.08056E-05	**8257**	9.2215E-05
8.72409E-05	9.23579E-05	2.24771E-05	8.78463E-05	4.25127E-05	9.14745E-05	9.66595E-05	2.52483E-05	8.78463E-05	4.13004E-05	**8258**	8.77401E-05
8.48801E-05	8.9871E-05	2.17109E-05	8.64219E-05	4.35787E-05	8.94794E-05	9.45592E-05	2.45983E-05	8.64219E-05	4.24063E-05	**8259**	8.54312E-05
8.65688E-05	9.16584E-05	2.2152E-05	8.89519E-05	4.53627E-05	9.16424E-05	9.68427E-05	2.52213E-05	8.89519E-05	4.42437E-05	**8260**	8.71923E-05
9.28154E-05	9.82523E-05	2.40019E-05	9.54332E-05	4.77512E-05	9.82394E-05	0.000103798	2.72382E-05	9.54332E-05	4.66883E-05	**8261**	9.35017E-05
0.000102858	0.000108877	2.66806E-05	0.000103766	4.83377E-05	0.00010791	0.00011402	2.9867E-05	0.000103766	4.72424E-05	**8262**	0.000103377
0.000108905	0.000115222	2.89504E-05	0.00010858	9.48375E-05	0.000113519	0.00011991	3.18861E-05	0.00010858	8.62391E-05	**8263**	0.000109313
0.000106363	0.000112441	2.94415E-05	0.000108673	9.4565E-05	0.000111909	0.000118148	3.22235E-05	0.000108673	8.59073E-05	**8264**	0.000106737
0.00010558	0.000111585	2.95844E-05	0.000108045	9.53993E-05	0.0001111	0.000117267	3.23358E-05	0.000108045	8.67437E-05	**8265**	0.000106062
0.000103227	0.000109065	2.93424E-05	0.000105345	9.58133E-05	0.000108409	0.000114396	3.19382E-05	0.000105345	8.71588E-05	**8266**	0.000103781
0.000101214	0.000106915	2.90682E-05	0.000102792	9.63513E-05	0.000106004	0.000111837	3.14975E-05	0.000102792	8.7706E-05	**8267**	0.000101791
9.96418E-05	0.000105265	2.8473E-05	0.000101152	8.92279E-05	0.000104363	0.000110117	3.08728E-05	0.000101152	8.18433E-05	**8268**	0.000100167
9.86019E-05	0.000104172	2.80996E-05	9.96072E-05	8.90084E-05	0.000103056	0.000108744	3.04007E-05	9.96072E-05	8.16221E-05	**8269**	9.90574E-05
9.76988E-05	0.000103237	2.76016E-05	9.89108E-05	8.80472E-05	0.000102259	0.00010792	2.99439E-05	9.89108E-05	8.06412E-05	**8270**	9.81064E-05
9.93489E-05	0.000104993	2.79081E-05	0.00010075	9.35168E-05	0.000104095	0.00010987	3.03355E-05	0.00010075	8.48144E-05	**8271**	9.97366E-05
0.000108597	0.000114786	3.0253E-05	0.000109977	9.12E-05	0.00011376	0.00012009	3.29084E-05	0.000109977	8.24375E-05	**8272**	0.00010894
0.000122097	0.000129102	3.34393E-05	0.000122363	8.89423E-05	0.000127398	0.000134533	3.62712E-05	0.000122363	8.01193E-05	**8273**	0.000122215
0.000135027	0.000142742	3.73783E-05	0.000131919	8.71111E-05	0.000139203	0.000146979	3.98963E-05	0.000131919	7.82419E-05	**8274**	0.000134952
0.000142132	0.00015012	4.10224E-05	0.000134801	7.14301E-05	0.000144295	0.000152241	4.28104E-05	0.000134801	6.50589E-05	**8275**	0.000142124

0.000140408	0.000148204	4.17349E-05	0.000131416	5.84458E-05	0.000141493	0.000149199	4.30766E-05	0.000131416	5.4672E-05	**8276**	0.00014056
0.000135678	0.000143204	4.04267E-05	0.000125629	5.00484E-05	0.000136062	0.000143457	4.16E-05	0.000125629	4.75169E-05	**8277**	0.000135892
0.000129217	0.000136474	3.73739E-05	0.000117799	4.3958E-05	0.000128905	0.000135966	3.87183E-05	0.000117799	4.27461E-05	**8278**	0.000129549
0.000115135	0.000121632	3.29051E-05	0.00010724	4.27199E-05	0.000116009	0.000122384	3.45853E-05	0.00010724	4.14827E-05	**8279**	0.000115615
0.000104966	0.000110978	2.88741E-05	0.000100664	4.20972E-05	0.000107341	0.000113314	3.10598E-05	0.000100664	4.08485E-05	**8280**	0.000105438
9.16601E-05	9.69828E-05	2.42937E-05	9.10872E-05	4.20382E-05	9.54109E-05	0.000100775	2.69025E-05	9.10872E-05	4.08056E-05	**8281**	9.2215E-05
8.72409E-05	9.23579E-05	2.24771E-05	8.78463E-05	4.25127E-05	9.14745E-05	9.66595E-05	2.52483E-05	8.78463E-05	4.13004E-05	**8282**	8.77401E-05
8.48801E-05	8.9871E-05	2.17109E-05	8.64219E-05	4.35787E-05	8.94794E-05	9.45592E-05	2.45983E-05	8.64219E-05	4.24063E-05	**8283**	8.54312E-05
8.65688E-05	9.16584E-05	2.2152E-05	8.89519E-05	4.53627E-05	9.16424E-05	9.68427E-05	2.52213E-05	8.89519E-05	4.42437E-05	**8284**	8.71923E-05
9.28154E-05	9.82523E-05	2.40019E-05	9.54332E-05	4.77512E-05	9.82394E-05	0.000103798	2.72382E-05	9.54332E-05	4.66883E-05	**8285**	9.35017E-05
0.000102858	0.000108877	2.66806E-05	0.000103766	4.83377E-05	0.00010791	0.00011402	2.9867E-05	0.000103766	4.72424E-05	**8286**	0.000103377
0.000108905	0.000115222	2.89504E-05	0.00010858	9.48375E-05	0.000113519	0.00011991	3.18861E-05	0.00010858	8.62391E-05	**8287**	0.000109313
0.000106363	0.000112441	2.94415E-05	0.000108673	9.4565E-05	0.000111909	0.000118148	3.22235E-05	0.000108673	8.59073E-05	**8288**	0.000106737
0.00010558	0.000111585	2.95844E-05	0.000108045	9.53993E-05	0.0001111	0.000117267	3.23358E-05	0.000108045	8.67437E-05	**8289**	0.000106062
0.000103227	0.000109065	2.93424E-05	0.000105345	9.58133E-05	0.000108409	0.000114396	3.19382E-05	0.000105345	8.71588E-05	**8290**	0.000103781
0.000101214	0.000106915	2.90682E-05	0.000102792	9.63513E-05	0.000106004	0.000111837	3.14975E-05	0.000102792	8.7706E-05	**8291**	0.000101791
9.96418E-05	0.000105265	2.8473E-05	0.000101152	8.92279E-05	0.000104363	0.000110117	3.08728E-05	0.000101152	8.18433E-05	**8292**	0.000100167
9.86019E-05	0.000104172	2.80996E-05	9.96072E-05	8.90084E-05	0.000103056	0.000108744	3.04007E-05	9.96072E-05	8.16221E-05	**8293**	9.90574E-05
9.76988E-05	0.000103237	2.76016E-05	9.89108E-05	8.80472E-05	0.000102259	0.00010792	2.99439E-05	9.89108E-05	8.06412E-05	**8294**	9.81064E-05
9.93489E-05	0.000104993	2.79081E-05	0.00010075	9.35168E-05	0.000104095	0.00010987	3.03355E-05	0.00010075	8.48144E-05	**8295**	9.97366E-05
0.000108597	0.000114786	3.0253E-05	0.000109977	9.12E-05	0.00011376	0.00012009	3.29084E-05	0.000109977	8.24375E-05	**8296**	0.00010894
0.000122097	0.000129102	3.34393E-05	0.000122363	8.89423E-05	0.000127398	0.000134533	3.62712E-05	0.000122363	8.01193E-05	**8297**	0.000122215
0.000135027	0.000142742	3.73783E-05	0.000131919	8.71111E-05	0.000139203	0.000146979	3.98963E-05	0.000131919	7.82419E-05	**8298**	0.000134952
0.000142132	0.00015012	4.10224E-05	0.000134801	7.14301E-05	0.000144295	0.000152241	4.28104E-05	0.000134801	6.50589E-05	**8299**	0.000142124
0.000140408	0.000148204	4.17349E-05	0.000131416	5.84458E-05	0.000141493	0.000149199	4.30766E-05	0.000131416	5.4672E-05	**8300**	0.00014056
0.000135678	0.000143204	4.04267E-05	0.000125629	5.00484E-05	0.000136062	0.000143457	4.16E-05	0.000125629	4.75169E-05	**8301**	0.000135892
0.000129217	0.000136474	3.73739E-05	0.000117799	4.3958E-05	0.000128905	0.000135966	3.87183E-05	0.000117799	4.27461E-05	**8302**	0.000129549
0.000115135	0.000121632	3.29051E-05	0.00010724	4.27199E-05	0.000116009	0.000122384	3.45853E-05	0.00010724	4.14827E-05	**8303**	0.000115615
0.000104966	0.000110978	2.88741E-05	0.000100664	4.20972E-05	0.000107341	0.000113314	3.10598E-05	0.000100664	4.08485E-05	**8304**	0.000105438
9.18593E-05	9.71934E-05	2.43475E-05	9.13275E-05	4.2117E-05	9.56381E-05	0.000101015	2.69678E-05	9.13275E-05	4.08852E-05	**8305**	9.24178E-05
8.85037E-05	9.36934E-05	2.28193E-05	8.93758E-05	4.25348E-05	9.29179E-05	9.81834E-05	2.56644E-05	8.93758E-05	4.1322E-05	**8306**	8.90272E-05
8.61215E-05	9.1184E-05	2.20469E-05	8.79233E-05	4.35632E-05	9.08974E-05	9.60562E-05	2.50066E-05	8.79233E-05	4.23894E-05	**8307**	8.66963E-05
8.77684E-05	9.29276E-05	2.24698E-05	9.03674E-05	4.54031E-05	9.29972E-05	9.82736E-05	2.56039E-05	9.03674E-05	4.42847E-05	**8308**	8.84096E-05
9.40028E-05	9.95092E-05	2.43105E-05	9.68033E-05	4.7832E-05	9.95668E-05	0.000105201	2.76063E-05	9.68033E-05	4.67707E-05	**8309**	9.47023E-05
0.000104023	0.00011011	2.69856E-05	0.000105121	4.84894E-05	0.000109218	0.000115402	3.02321E-05	0.000105121	4.73981E-05	**8310**	0.000104557
0.000108655	0.000114933	2.92008E-05	0.000109825	9.50069E-05	0.000113912	0.000120309	3.22002E-05	0.000109825	8.6413E-05	**8311**	0.000109073
0.000107885	0.000114053	2.98269E-05	0.000110376	9.47786E-05	0.000113587	0.000119922	3.26773E-05	0.000110376	8.61272E-05	**8312**	0.000108269
0.000107535	0.000113655	3.00766E-05	0.000110218	9.56619E-05	0.00011325	0.000119539	3.29139E-05	0.000110218	8.70145E-05	**8313**	0.000108027
0.000105738	0.000111724	2.99707E-05	0.000108117	9.60519E-05	0.000111161	0.000117306	3.2674E-05	0.000108117	8.74046E-05	**8314**	0.000106302
0.000104025	0.000109891	2.97724E-05	0.000105899	9.65145E-05	0.000109086	0.000115096	3.23227E-05	0.000105899	8.78739E-05	**8315**	0.000104613
0.000102551	0.000108346	2.92059E-05	0.000104388	8.94E-05	0.000107563	0.000113499	3.1734E-05	0.000104388	8.20201E-05	**8316**	0.000103092
0.000101538	0.000107281	2.88467E-05	0.000102912	8.92177E-05	0.000106302	0.000112175	3.12828E-05	0.000102912	8.18375E-05	**8317**	0.000102014
0.000100492	0.000106196	2.82994E-05	0.000101988	8.82371E-05	0.000105317	0.000111155	3.07602E-05	0.000101988	8.08368E-05	**8318**	0.00010091
0.000101873	0.000107667	2.85434E-05	0.000103556	9.36803E-05	0.00010687	0.000112804	3.10816E-05	0.000103556	8.49825E-05	**8319**	0.000102274
0.000110759	0.000117076	3.08118E-05	0.000112456	9.13065E-05	0.00011617	0.000122637	3.35731E-05	0.000112456	8.25466E-05	**8320**	0.000111124
0.000124061	0.00013118	3.39603E-05	0.000124684	8.90876E-05	0.000129617	0.000136877	3.68989E-05	0.000124684	8.02685E-05	**8321**	0.000124208
0.000136846	0.000144667	3.78551E-05	0.000134039	8.72716E-05	0.000141246	0.000149136	4.04675E-05	0.000134039	7.84069E-05	**8322**	0.000136794
0.000143853	0.000151941	4.14859E-05	0.000136871	7.16621E-05	0.000146256	0.000154311	4.33726E-05	0.000136871	6.52972E-05	**8323**	0.000143877
0.000141872	0.000149751	4.21448E-05	0.000133258	5.86219E-05	0.000143196	0.000150996	4.35824E-05	0.000133258	5.48525E-05	**8324**	0.000142062
0.000138409	0.000146117	4.0845E-05	0.000127371	5.01324E-05	0.000138497	0.000146044	4.20974E-05	0.000127371	4.76018E-05	**8325**	0.000138658
0.000130452	0.000137779	3.77142E-05	0.000119324	4.39717E-05	0.00013033	0.000137469	3.91353E-05	0.000119324	4.27587E-05	**8326**	0.000130811
0.0001162	0.000122759	3.31845E-05	0.000108483	4.27076E-05	0.000117205	0.000123647	3.49202E-05	0.000108483	4.14684E-05	**8327**	0.000116694
0.000105598	0.000111648	2.9032E-05	0.00010136	4.19502E-05	0.000108033	0.000114045	3.12444E-05	0.00010136	4.0696E-05	**8328**	0.000106073
9.18593E-05	9.71934E-05	2.43475E-05	9.13275E-05	4.2117E-05	9.56381E-05	0.000101015	2.69678E-05	9.13275E-05	4.08852E-05	**8329**	9.24178E-05
8.85037E-05	9.36934E-05	2.28193E-05	8.93758E-05	4.25348E-05	9.29179E-05	9.81834E-05	2.56644E-05	8.93758E-05	4.1322E-05	**8330**	8.90272E-05
8.61215E-05	9.1184E-05	2.20469E-05	8.79233E-05	4.35632E-05	9.08974E-05	9.60562E-05	2.50066E-05	8.79233E-05	4.23894E-05	**8331**	8.66963E-05
8.77684E-05	9.29276E-05	2.24698E-05	9.03674E-05	4.54031E-05	9.29972E-05	9.82736E-05	2.56039E-05	9.03674E-05	4.42847E-05	**8332**	8.84096E-05
9.40028E-05	9.95092E-05	2.43105E-05	9.68033E-05	4.7832E-05	9.95668E-05	0.000105201	2.76063E-05	9.68033E-05	4.67707E-05	**8333**	9.47023E-05
0.000104023	0.00011011	2.69856E-05	0.000105121	4.84894E-05	0.000109218	0.000115402	3.02321E-05	0.000105121	4.73981E-05	**8334**	0.000104557
0.000108655	0.000114933	2.92008E-05	0.000109825	9.50069E-05	0.000113912	0.000120309	3.22002E-05	0.000109825	8.6413E-05	**8335**	0.000109073
0.000107885	0.000114053	2.98269E-05	0.000110376	9.47786E-05	0.000113587	0.000119922	3.26773E-05	0.000110376	8.61272E-05	**8336**	0.000108269
0.000107535	0.000113655	3.00766E-05	0.000110218	9.56619E-05	0.00011325	0.000119539	3.29139E-05	0.000110218	8.70145E-05	**8337**	0.000108027
0.000105738	0.000111724	2.99707E-05	0.000108117	9.60519E-05	0.000111161	0.000117306	3.2674E-05	0.000108117	8.74046E-05	**8338**	0.000106302
0.000104025	0.000109891	2.97724E-05	0.000105899	9.65145E-05	0.000109086	0.000115096	3.23227E-05	0.000105899	8.78739E-05	**8339**	0.000104613
0.000102551	0.000108346	2.92059E-05	0.000104388	8.94E-05	0.000107563	0.000113499	3.1734E-05	0.000104388	8.20201E-05	**8340**	0.000103092
0.000101538	0.000107281	2.88467E-05	0.000102912	8.92177E-05	0.000106302	0.000112175	3.12828E-05	0.000102912	8.18375E-05	**8341**	0.000102014
0.000100492	0.000106196	2.82994E-05	0.000101988	8.82371E-05	0.000105317	0.000111155	3.07602E-05	0.000101988	8.08368E-05	**8342**	0.00010091
0.000101873	0.000107667	2.85434E-05	0.000103556	9.36803E-05	0.00010687	0.000112804	3.10816E-05	0.000103556	8.49825E-05	**8343**	0.000102274
0.000110759	0.000117076	3.08118E-05	0.000112456	9.13065E-05	0.00011617	0.000122637	3.35731E-05	0.000112456	8.25466E-05	**8344**	0.000111124
0.000124061	0.00013118	3.39603E-05	0.000124684	8.90876E-05	0.000129617	0.000136877	3.68989E-05	0.000124684	8.02685E-05	**8345**	0.000124208
0.000136846	0.000144667	3.78551E-05	0.000134039	8.72716E-05	0.000141246	0.000149136	4.04675E-05	0.000134039	7.84069E-05	**8346**	0.000136794
0.000143853	0.000151941	4.14859E-05	0.000136871	7.16621E-05	0.000146256	0.000154311	4.33726E-05	0.000136871	6.52972E-05	**8347**	0.000143877
0.000141872	0.000149751	4.21448E-05	0.000133258	5.86219E-05	0.000143196	0.000150996	4.35824E-05	0.000133258	5.48525E-05	**8348**	0.000142062
0.000138409	0.000146117	4.0845E-05	0.000127371	5.01324E-05	0.000138497	0.000146044	4.20974E-05	0.000127371	4.76018E-05	**8349**	0.000138658
0.000130452	0.000137779	3.77142E-05	0.000119324	4.39717E-05	0.00013033	0.000137469	3.91353E-05	0.000119324	4.27587E-05	**8350**	0.000130811
0.0001162	0.000122759	3.31845E-05	0.000108483	4.27076E-05	0.000117205	0.000123647	3.49202E-05	0.000108483	4.14684E-05	**8351**	0.000116694

0.000105598	0.000111648	2.9032E-05	0.00010136	4.19502E-05	0.000108033	0.000114045	3.12444E-05	0.00010136	4.0696E-05	**8352**	0.000106073
9.18593E-05	9.71934E-05	2.43475E-05	9.13275E-05	4.2117E-05	9.56381E-05	0.000101015	2.69678E-05	9.13275E-05	4.08852E-05	**8353**	9.24178E-05
8.85037E-05	9.36934E-05	2.28193E-05	8.93758E-05	4.25348E-05	9.29179E-05	9.81834E-05	2.56644E-05	8.93758E-05	4.1322E-05	**8354**	8.90272E-05
8.61215E-05	9.1184E-05	2.20469E-05	8.79233E-05	4.35632E-05	9.08974E-05	9.60562E-05	2.50066E-05	8.79233E-05	4.23894E-05	**8355**	8.66963E-05
8.77684E-05	9.29276E-05	2.24698E-05	9.03674E-05	4.54031E-05	9.29972E-05	9.82736E-05	2.56039E-05	9.03674E-05	4.42847E-05	**8356**	8.84096E-05
9.40028E-05	9.95092E-05	2.43105E-05	9.68033E-05	4.7832E-05	9.95668E-05	0.000105201	2.76063E-05	9.68033E-05	4.67707E-05	**8357**	9.47023E-05
0.000104023	0.00011011	2.69856E-05	0.000105121	4.84894E-05	0.000109218	0.000115402	3.02321E-05	0.000105121	4.73981E-05	**8358**	0.000104557
0.000108655	0.000114933	2.92008E-05	0.000109825	9.50069E-05	0.000113912	0.000120309	3.22002E-05	0.000109825	8.6413E-05	**8359**	0.000109073
0.000107885	0.000114053	2.98269E-05	0.000110376	9.47786E-05	0.000113587	0.000119922	3.26773E-05	0.000110376	8.61272E-05	**8360**	0.000108269
0.000107535	0.000113655	3.00766E-05	0.000110218	9.56619E-05	0.00011325	0.000119539	3.29139E-05	0.000110218	8.70145E-05	**8361**	0.000108027
0.000105738	0.000111724	2.99707E-05	0.000108117	9.60519E-05	0.000111161	0.000117306	3.2674E-05	0.000108117	8.74046E-05	**8362**	0.000106302
0.000104025	0.000109891	2.97724E-05	0.000105899	9.65145E-05	0.000109086	0.000115096	3.23227E-05	0.000105899	8.78739E-05	**8363**	0.000104613
0.000102551	0.000108346	2.92059E-05	0.000104388	8.94E-05	0.000107563	0.000113499	3.1734E-05	0.000104388	8.20201E-05	**8364**	0.000103092
0.000101538	0.000107281	2.88467E-05	0.000102912	8.92177E-05	0.000106302	0.000112175	3.12828E-05	0.000102912	8.18375E-05	**8365**	0.000102014
0.000100492	0.000106196	2.82994E-05	0.000101988	8.82371E-05	0.000105317	0.000111155	3.07602E-05	0.000101988	8.08368E-05	**8366**	0.00010091
0.000101873	0.000107667	2.85434E-05	0.000103556	9.36803E-05	0.00010687	0.000112804	3.10816E-05	0.000103556	8.49825E-05	**8367**	0.000102274
0.000110759	0.000117076	3.08118E-05	0.000112456	9.13065E-05	0.00011617	0.000122637	3.35731E-05	0.000112456	8.25466E-05	**8368**	0.000111124
0.000124061	0.00013118	3.39603E-05	0.000124684	8.90876E-05	0.000129617	0.000136877	3.68989E-05	0.000124684	8.02685E-05	**8369**	0.000124208
0.000136846	0.000144667	3.78551E-05	0.000134039	8.72716E-05	0.000141246	0.000149136	4.04675E-05	0.000134039	7.84069E-05	**8370**	0.000136794
0.000143853	0.000151941	4.14859E-05	0.000136871	7.16621E-05	0.000146256	0.000154311	4.33726E-05	0.000136871	6.52972E-05	**8371**	0.000143877
0.000141872	0.000149751	4.21448E-05	0.000133258	5.86219E-05	0.000143196	0.000150996	4.35824E-05	0.000133258	5.48525E-05	**8372**	0.000142062
0.000138409	0.000146117	4.0845E-05	0.000127371	5.01324E-05	0.000138497	0.000146044	4.20974E-05	0.000127371	4.76018E-05	**8373**	0.000138658
0.000130452	0.000137779	3.77142E-05	0.000119324	4.39717E-05	0.00013033	0.000137469	3.91353E-05	0.000119324	4.27587E-05	**8374**	0.000130811
0.0001162	0.000122759	3.31845E-05	0.000108483	4.27076E-05	0.000117205	0.000123647	3.49202E-05	0.000108483	4.14684E-05	**8375**	0.000116694
0.000105598	0.000111648	2.9032E-05	0.00010136	4.19502E-05	0.000108033	0.000114045	3.12444E-05	0.00010136	4.0696E-05	**8376**	0.000106073
9.18593E-05	9.71934E-05	2.43475E-05	9.13275E-05	4.2117E-05	9.56381E-05	0.000101015	2.69678E-05	9.13275E-05	4.08852E-05	**8377**	9.24178E-05
8.85037E-05	9.36934E-05	2.28193E-05	8.93758E-05	4.25348E-05	9.29179E-05	9.81834E-05	2.56644E-05	8.93758E-05	4.1322E-05	**8378**	8.90272E-05
8.61215E-05	9.1184E-05	2.20469E-05	8.79233E-05	4.35632E-05	9.08974E-05	9.60562E-05	2.50066E-05	8.79233E-05	4.23894E-05	**8379**	8.66963E-05
8.77684E-05	9.29276E-05	2.24698E-05	9.03674E-05	4.54031E-05	9.29972E-05	9.82736E-05	2.56039E-05	9.03674E-05	4.42847E-05	**8380**	8.84096E-05
9.40028E-05	9.95092E-05	2.43105E-05	9.68033E-05	4.7832E-05	9.95668E-05	0.000105201	2.76063E-05	9.68033E-05	4.67707E-05	**8381**	9.47023E-05
0.000104023	0.00011011	2.69856E-05	0.000105121	4.84894E-05	0.000109218	0.000115402	3.02321E-05	0.000105121	4.73981E-05	**8382**	0.000104557
0.000108655	0.000114933	2.92008E-05	0.000109825	9.50069E-05	0.000113912	0.000120309	3.22002E-05	0.000109825	8.6413E-05	**8383**	0.000109073
0.000107885	0.000114053	2.98269E-05	0.000110376	9.47786E-05	0.000113587	0.000119922	3.26773E-05	0.000110376	8.61272E-05	**8384**	0.000108269
0.000107535	0.000113655	3.00766E-05	0.000110218	9.56619E-05	0.00011325	0.000119539	3.29139E-05	0.000110218	8.70145E-05	**8385**	0.000108027
0.000105738	0.000111724	2.99707E-05	0.000108117	9.60519E-05	0.000111161	0.000117306	3.2674E-05	0.000108117	8.74046E-05	**8386**	0.000106302
0.000104025	0.000109891	2.97724E-05	0.000105899	9.65145E-05	0.000109086	0.000115096	3.23227E-05	0.000105899	8.78739E-05	**8387**	0.000104613
0.000102551	0.000108346	2.92059E-05	0.000104388	8.94E-05	0.000107563	0.000113499	3.1734E-05	0.000104388	8.20201E-05	**8388**	0.000103092
0.000101538	0.000107281	2.88467E-05	0.000102912	8.92177E-05	0.000106302	0.000112175	3.12828E-05	0.000102912	8.18375E-05	**8389**	0.000102014
0.000100492	0.000106196	2.82994E-05	0.000101988	8.82371E-05	0.000105317	0.000111155	3.07602E-05	0.000101988	8.08368E-05	**8390**	0.00010091
0.000101873	0.000107667	2.85434E-05	0.000103556	9.36803E-05	0.00010687	0.000112804	3.10816E-05	0.000103556	8.49825E-05	**8391**	0.000102274
0.000110759	0.000117076	3.08118E-05	0.000112456	9.13065E-05	0.00011617	0.000122637	3.35731E-05	0.000112456	8.25466E-05	**8392**	0.000111124
0.000124061	0.00013118	3.39603E-05	0.000124684	8.90876E-05	0.000129617	0.000136877	3.68989E-05	0.000124684	8.02685E-05	**8393**	0.000124208
0.000136846	0.000144667	3.78551E-05	0.000134039	8.72716E-05	0.000141246	0.000149136	4.04675E-05	0.000134039	7.84069E-05	**8394**	0.000136794
0.000143853	0.000151941	4.14859E-05	0.000136871	7.16621E-05	0.000146256	0.000154311	4.33726E-05	0.000136871	6.52972E-05	**8395**	0.000143877
0.000141872	0.000149751	4.21448E-05	0.000133258	5.86219E-05	0.000143196	0.000150996	4.35824E-05	0.000133258	5.48525E-05	**8396**	0.000142062
0.000138409	0.000146117	4.0845E-05	0.000127371	5.01324E-05	0.000138497	0.000146044	4.20974E-05	0.000127371	4.76018E-05	**8397**	0.000138658
0.000130452	0.000137779	3.77142E-05	0.000119324	4.39717E-05	0.00013033	0.000137469	3.91353E-05	0.000119324	4.27587E-05	**8398**	0.000130811
0.0001162	0.000122759	3.31845E-05	0.000108483	4.27076E-05	0.000117205	0.000123647	3.49202E-05	0.000108483	4.14684E-05	**8399**	0.000116694
0.000105598	0.000111648	2.9032E-05	0.00010136	4.19502E-05	0.000108033	0.000114045	3.12444E-05	0.00010136	4.0696E-05	**8400**	0.000106073
9.18593E-05	9.71934E-05	2.43475E-05	9.13275E-05	4.2117E-05	9.56381E-05	0.000101015	2.69678E-05	9.13275E-05	4.08852E-05	**8401**	9.24178E-05
8.85037E-05	9.36934E-05	2.28193E-05	8.93758E-05	4.25348E-05	9.29179E-05	9.81834E-05	2.56644E-05	8.93758E-05	4.1322E-05	**8402**	8.90272E-05
8.61215E-05	9.1184E-05	2.20469E-05	8.79233E-05	4.35632E-05	9.08974E-05	9.60562E-05	2.50066E-05	8.79233E-05	4.23894E-05	**8403**	8.66963E-05
8.77684E-05	9.29276E-05	2.24698E-05	9.03674E-05	4.54031E-05	9.29972E-05	9.82736E-05	2.56039E-05	9.03674E-05	4.42847E-05	**8404**	8.84096E-05
9.40028E-05	9.95092E-05	2.43105E-05	9.68033E-05	4.7832E-05	9.95668E-05	0.000105201	2.76063E-05	9.68033E-05	4.67707E-05	**8405**	9.47023E-05
0.000104023	0.00011011	2.69856E-05	0.000105121	4.84894E-05	0.000109218	0.000115402	3.02321E-05	0.000105121	4.73981E-05	**8406**	0.000104557
0.000108655	0.000114933	2.92008E-05	0.000109825	9.50069E-05	0.000113912	0.000120309	3.22002E-05	0.000109825	8.6413E-05	**8407**	0.000109073
0.000107885	0.000114053	2.98269E-05	0.000110376	9.47786E-05	0.000113587	0.000119922	3.26773E-05	0.000110376	8.61272E-05	**8408**	0.000108269
0.000107535	0.000113655	3.00766E-05	0.000110218	9.56619E-05	0.00011325	0.000119539	3.29139E-05	0.000110218	8.70145E-05	**8409**	0.000108027
0.000105738	0.000111724	2.99707E-05	0.000108117	9.60519E-05	0.000111161	0.000117306	3.2674E-05	0.000108117	8.74046E-05	**8410**	0.000106302
0.000104025	0.000109891	2.97724E-05	0.000105899	9.65145E-05	0.000109086	0.000115096	3.23227E-05	0.000105899	8.78739E-05	**8411**	0.000104613
0.000102551	0.000108346	2.92059E-05	0.000104388	8.94E-05	0.000107563	0.000113499	3.1734E-05	0.000104388	8.20201E-05	**8412**	0.000103092
0.000101538	0.000107281	2.88467E-05	0.000102912	8.92177E-05	0.000106302	0.000112175	3.12828E-05	0.000102912	8.18375E-05	**8413**	0.000102014
0.000100492	0.000106196	2.82994E-05	0.000101988	8.82371E-05	0.000105317	0.000111155	3.07602E-05	0.000101988	8.08368E-05	**8414**	0.00010091
0.000101873	0.000107667	2.85434E-05	0.000103556	9.36803E-05	0.00010687	0.000112804	3.10816E-05	0.000103556	8.49825E-05	**8415**	0.000102274
0.000110759	0.000117076	3.08118E-05	0.000112456	9.13065E-05	0.00011617	0.000122637	3.35731E-05	0.000112456	8.25466E-05	**8416**	0.000111124
0.000124061	0.00013118	3.39603E-05	0.000124684	8.90876E-05	0.000129617	0.000136877	3.68989E-05	0.000124684	8.02685E-05	**8417**	0.000124208
0.000136846	0.000144667	3.78551E-05	0.000134039	8.72716E-05	0.000141246	0.000149136	4.04675E-05	0.000134039	7.84069E-05	**8418**	0.000136794
0.000143853	0.000151941	4.14859E-05	0.000136871	7.16621E-05	0.000146256	0.000154311	4.33726E-05	0.000136871	6.52972E-05	**8419**	0.000143877
0.000141872	0.000149751	4.21448E-05	0.000133258	5.86219E-05	0.000143196	0.000150996	4.35824E-05	0.000133258	5.48525E-05	**8420**	0.000142062
0.000138409	0.000146117	4.0845E-05	0.000127371	5.01324E-05	0.000138497	0.000146044	4.20974E-05	0.000127371	4.76018E-05	**8421**	0.000138658
0.000130452	0.000137779	3.77142E-05	0.000119324	4.39717E-05	0.00013033	0.000137469	3.91353E-05	0.000119324	4.27587E-05	**8422**	0.000130811
0.0001162	0.000122759	3.31845E-05	0.000108483	4.27076E-05	0.000117205	0.000123647	3.49202E-05	0.000108483	4.14684E-05	**8423**	0.000116694
0.000105598	0.000111648	2.9032E-05	0.00010136	4.19502E-05	0.000108033	0.000114045	3.12444E-05	0.00010136	4.0696E-05	**8424**	0.000106073
9.16601E-05	9.69828E-05	2.42937E-05	9.10872E-05	4.20382E-05	9.54109E-05	0.000100775	2.69025E-05	9.10872E-05	4.08056E-05	**8425**	9.2215E-05
8.72409E-05	9.23579E-05	2.24771E-05	8.78463E-05	4.25127E-05	9.14745E-05	9.66595E-05	2.52483E-05	8.78463E-05	4.13004E-05	**8426**	8.77401E-05
8.48801E-05	8.9871E-05	2.17109E-05	8.64219E-05	4.35787E-05	8.94794E-05	9.45592E-05	2.45983E-05	8.64219E-05	4.24063E-05	**8427**	8.54312E-05

8.65688E-05	9.16584E-05	2.2152E-05	8.89519E-05	4.53627E-05	9.16424E-05	9.68427E-05	2.52213E-05	8.89519E-05	4.42437E-05	**8428**	8.71923E-05
9.28154E-05	9.82523E-05	2.40019E-05	9.54332E-05	4.77512E-05	9.82394E-05	0.000103798	2.72382E-05	9.54332E-05	4.66883E-05	**8429**	9.35017E-05
0.000102858	0.000108877	2.66806E-05	0.000103766	4.83377E-05	0.00010791	0.00011402	2.9867E-05	0.000103766	4.72424E-05	**8430**	0.000103377
0.000108905	0.000115222	2.89504E-05	0.00010858	9.48375E-05	0.000113519	0.00011991	3.18861E-05	0.00010858	8.62391E-05	**8431**	0.000109313
0.000106363	0.000112441	2.94415E-05	0.000108673	9.4565E-05	0.000111909	0.000118148	3.22235E-05	0.000108673	8.59073E-05	**8432**	0.000106737
0.00010558	0.000111585	2.95844E-05	0.000108045	9.53993E-05	0.0001111	0.000117267	3.23358E-05	0.000108045	8.67437E-05	**8433**	0.000106062
0.000103227	0.000109065	2.93424E-05	0.000105345	9.58133E-05	0.000108409	0.000114396	3.19382E-05	0.000105345	8.71588E-05	**8434**	0.000103781
0.000101214	0.000106915	2.90682E-05	0.000102792	9.63513E-05	0.000106004	0.000111837	3.14975E-05	0.000102792	8.7706E-05	**8435**	0.000101791
9.96418E-05	0.000105265	2.8473E-05	0.000101152	8.92279E-05	0.000104363	0.000110117	3.08728E-05	0.000101152	8.18433E-05	**8436**	0.000100167
9.86019E-05	0.000104172	2.80996E-05	9.96072E-05	8.90084E-05	0.000103056	0.000108744	3.04007E-05	9.96072E-05	8.16221E-05	**8437**	9.90574E-05
9.76988E-05	0.000103237	2.76016E-05	9.89108E-05	8.80472E-05	0.000102259	0.00010792	2.99439E-05	9.89108E-05	8.06412E-05	**8438**	9.81064E-05
9.93489E-05	0.000104993	2.79081E-05	0.00010075	9.35168E-05	0.000104095	0.00010987	3.03355E-05	0.00010075	8.48144E-05	**8439**	9.97366E-05
0.000108597	0.000114786	3.0253E-05	0.000109977	9.12E-05	0.00011376	0.00012009	3.29084E-05	0.000109977	8.24375E-05	**8440**	0.00010894
0.000122097	0.000129102	3.34393E-05	0.000122363	8.89423E-05	0.000127398	0.000134533	3.62712E-05	0.000122363	8.01193E-05	**8441**	0.000122215
0.000135027	0.000142742	3.73783E-05	0.000131919	8.71111E-05	0.000139203	0.000146979	3.98963E-05	0.000131919	7.82419E-05	**8442**	0.000134952
0.000142132	0.00015012	4.10224E-05	0.000134801	7.14301E-05	0.000144295	0.000152241	4.28104E-05	0.000134801	6.50589E-05	**8443**	0.000142124
0.000140408	0.000148204	4.17349E-05	0.000131416	5.84458E-05	0.000141493	0.000149199	4.30766E-05	0.000131416	5.4672E-05	**8444**	0.00014056
0.000135678	0.000143204	4.04267E-05	0.000125629	5.00484E-05	0.000136062	0.000143457	4.16E-05	0.000125629	4.75169E-05	**8445**	0.000135892
0.000129217	0.000136474	3.73739E-05	0.000117799	4.3958E-05	0.000128905	0.000135966	3.87183E-05	0.000117799	4.27461E-05	**8446**	0.000129549
0.000115135	0.000121632	3.29051E-05	0.00010724	4.27199E-05	0.000116009	0.000122384	3.45853E-05	0.00010724	4.14827E-05	**8447**	0.000115615
0.000104966	0.000110978	2.88741E-05	0.000100664	4.20972E-05	0.000107341	0.000113314	3.10598E-05	0.000100664	4.08485E-05	**8448**	0.000105438
9.16601E-05	9.69828E-05	2.42937E-05	9.10872E-05	4.20382E-05	9.54109E-05	0.000100775	2.69025E-05	9.10872E-05	4.08056E-05	**8449**	9.2215E-05
8.72409E-05	9.23579E-05	2.24771E-05	8.78463E-05	4.25127E-05	9.14745E-05	9.66595E-05	2.52483E-05	8.78463E-05	4.13004E-05	**8450**	8.77401E-05
8.48801E-05	8.9871E-05	2.17109E-05	8.64219E-05	4.35787E-05	8.94794E-05	9.45592E-05	2.45983E-05	8.64219E-05	4.24063E-05	**8451**	8.54312E-05
8.65688E-05	9.16584E-05	2.2152E-05	8.89519E-05	4.53627E-05	9.16424E-05	9.68427E-05	2.52213E-05	8.89519E-05	4.42437E-05	**8452**	8.71923E-05
9.28154E-05	9.82523E-05	2.40019E-05	9.54332E-05	4.77512E-05	9.82394E-05	0.000103798	2.72382E-05	9.54332E-05	4.66883E-05	**8453**	9.35017E-05
0.000102858	0.000108877	2.66806E-05	0.000103766	4.83377E-05	0.00010791	0.00011402	2.9867E-05	0.000103766	4.72424E-05	**8454**	0.000103377
0.000108905	0.000115222	2.89504E-05	0.00010858	9.48375E-05	0.000113519	0.00011991	3.18861E-05	0.00010858	8.62391E-05	**8455**	0.000109313
0.000106363	0.000112441	2.94415E-05	0.000108673	9.4565E-05	0.000111909	0.000118148	3.22235E-05	0.000108673	8.59073E-05	**8456**	0.000106737
0.00010558	0.000111585	2.95844E-05	0.000108045	9.53993E-05	0.0001111	0.000117267	3.23358E-05	0.000108045	8.67437E-05	**8457**	0.000106062
0.000103227	0.000109065	2.93424E-05	0.000105345	9.58133E-05	0.000108409	0.000114396	3.19382E-05	0.000105345	8.71588E-05	**8458**	0.000103781
0.000101214	0.000106915	2.90682E-05	0.000102792	9.63513E-05	0.000106004	0.000111837	3.14975E-05	0.000102792	8.7706E-05	**8459**	0.000101791
9.96418E-05	0.000105265	2.8473E-05	0.000101152	8.92279E-05	0.000104363	0.000110117	3.08728E-05	0.000101152	8.18433E-05	**8460**	0.000100167
9.86019E-05	0.000104172	2.80996E-05	9.96072E-05	8.90084E-05	0.000103056	0.000108744	3.04007E-05	9.96072E-05	8.16221E-05	**8461**	9.90574E-05
9.76988E-05	0.000103237	2.76016E-05	9.89108E-05	8.80472E-05	0.000102259	0.00010792	2.99439E-05	9.89108E-05	8.06412E-05	**8462**	9.81064E-05
9.93489E-05	0.000104993	2.79081E-05	0.00010075	9.35168E-05	0.000104095	0.00010987	3.03355E-05	0.00010075	8.48144E-05	**8463**	9.97366E-05
0.000108597	0.000114786	3.0253E-05	0.000109977	9.12E-05	0.00011376	0.00012009	3.29084E-05	0.000109977	8.24375E-05	**8464**	0.00010894
0.000122097	0.000129102	3.34393E-05	0.000122363	8.89423E-05	0.000127398	0.000134533	3.62712E-05	0.000122363	8.01193E-05	**8465**	0.000122215
0.000135027	0.000142742	3.73783E-05	0.000131919	8.71111E-05	0.000139203	0.000146979	3.98963E-05	0.000131919	7.82419E-05	**8466**	0.000134952
0.000142132	0.00015012	4.10224E-05	0.000134801	7.14301E-05	0.000144295	0.000152241	4.28104E-05	0.000134801	6.50589E-05	**8467**	0.000142124
0.000140408	0.000148204	4.17349E-05	0.000131416	5.84458E-05	0.000141493	0.000149199	4.30766E-05	0.000131416	5.4672E-05	**8468**	0.00014056
0.000135678	0.000143204	4.04267E-05	0.000125629	5.00484E-05	0.000136062	0.000143457	4.16E-05	0.000125629	4.75169E-05	**8469**	0.000135892
0.000129217	0.000136474	3.73739E-05	0.000117799	4.3958E-05	0.000128905	0.000135966	3.87183E-05	0.000117799	4.27461E-05	**8470**	0.000129549
0.000115135	0.000121632	3.29051E-05	0.00010724	4.27199E-05	0.000116009	0.000122384	3.45853E-05	0.00010724	4.14827E-05	**8471**	0.000115615
0.000104966	0.000110978	2.88741E-05	0.000100664	4.20972E-05	0.000107341	0.000113314	3.10598E-05	0.000100664	4.08485E-05	**8472**	0.000105438
9.18593E-05	9.71934E-05	2.43475E-05	9.13275E-05	4.2117E-05	9.56381E-05	0.000101015	2.69678E-05	9.13275E-05	4.08852E-05	**8473**	9.24178E-05
8.85037E-05	9.36934E-05	2.28193E-05	8.93758E-05	4.25348E-05	9.29179E-05	9.81834E-05	2.56644E-05	8.93758E-05	4.1322E-05	**8474**	8.90272E-05
8.61215E-05	9.1184E-05	2.20469E-05	8.79233E-05	4.35632E-05	9.08974E-05	9.60562E-05	2.50066E-05	8.79233E-05	4.23894E-05	**8475**	8.66963E-05
8.77684E-05	9.29276E-05	2.24698E-05	9.03674E-05	4.54031E-05	9.29972E-05	9.82736E-05	2.56039E-05	9.03674E-05	4.42847E-05	**8476**	8.84096E-05
9.40028E-05	9.95092E-05	2.43105E-05	9.68033E-05	4.7832E-05	9.95668E-05	0.000105201	2.76063E-05	9.68033E-05	4.67707E-05	**8477**	9.47023E-05
0.000104023	0.00011011	2.69856E-05	0.000105121	4.84894E-05	0.000109218	0.000115402	3.02321E-05	0.000105121	4.73981E-05	**8478**	0.000104557
0.000108655	0.000114933	2.92008E-05	0.000109825	9.50069E-05	0.000113912	0.000120309	3.22002E-05	0.000109825	8.6413E-05	**8479**	0.000109073
0.000107885	0.000114053	2.98269E-05	0.000110376	9.47786E-05	0.000113587	0.000119922	3.26773E-05	0.000110376	8.61272E-05	**8480**	0.000108269
0.000107535	0.000113655	3.00766E-05	0.000110218	9.56619E-05	0.00011325	0.000119539	3.29139E-05	0.000110218	8.70145E-05	**8481**	0.000108027
0.000105738	0.000111724	2.99707E-05	0.000108117	9.60519E-05	0.000111161	0.000117306	3.2674E-05	0.000108117	8.74046E-05	**8482**	0.000106302
0.000104025	0.000109891	2.97724E-05	0.000105899	9.65145E-05	0.000109086	0.000115096	3.23227E-05	0.000105899	8.78739E-05	**8483**	0.000104613
0.000102551	0.000108346	2.92059E-05	0.000104388	8.94E-05	0.000107563	0.000113499	3.1734E-05	0.000104388	8.20201E-05	**8484**	0.000103092
0.000101538	0.000107281	2.88467E-05	0.000102912	8.92177E-05	0.000106302	0.000112175	3.12828E-05	0.000102912	8.18375E-05	**8485**	0.000102014
0.000100492	0.000106196	2.82994E-05	0.000101988	8.82371E-05	0.000105317	0.000111155	3.07602E-05	0.000101988	8.08368E-05	**8486**	0.00010091
0.000101873	0.000107667	2.85434E-05	0.000103556	9.36803E-05	0.00010687	0.000112804	3.10816E-05	0.000103556	8.49825E-05	**8487**	0.000102274
0.000110759	0.000117076	3.08118E-05	0.000112456	9.13065E-05	0.00011617	0.000122637	3.35731E-05	0.000112456	8.25466E-05	**8488**	0.000111124
0.000124061	0.00013118	3.39603E-05	0.000124684	8.90876E-05	0.000129617	0.000136877	3.68989E-05	0.000124684	8.02685E-05	**8489**	0.000124208
0.000136846	0.000144667	3.78551E-05	0.000134039	8.72716E-05	0.000141246	0.000149136	4.04675E-05	0.000134039	7.84069E-05	**8490**	0.000136794
0.000143853	0.000151941	4.14859E-05	0.000136871	7.16621E-05	0.000146256	0.000154311	4.33726E-05	0.000136871	6.52972E-05	**8491**	0.000143877
0.000141872	0.000149751	4.21448E-05	0.000133258	5.86219E-05	0.000143196	0.000150996	4.35824E-05	0.000133258	5.48525E-05	**8492**	0.000142062
0.000138409	0.000146117	4.0845E-05	0.000127371	5.01324E-05	0.000138497	0.000146044	4.20974E-05	0.000127371	4.76018E-05	**8493**	0.000138658
0.000130452	0.000137779	3.77142E-05	0.000119324	4.39717E-05	0.00013033	0.000137469	3.91353E-05	0.000119324	4.27587E-05	**8494**	0.000130811
0.0001162	0.000122759	3.31845E-05	0.000108483	4.27076E-05	0.000117205	0.000123647	3.49202E-05	0.000108483	4.14684E-05	**8495**	0.000116694
0.000105598	0.000111648	2.9032E-05	0.00010136	4.19502E-05	0.000108033	0.000114045	3.12444E-05	0.00010136	4.0696E-05	**8496**	0.000106073
9.18593E-05	9.71934E-05	2.43475E-05	9.13275E-05	4.2117E-05	9.56381E-05	0.000101015	2.69678E-05	9.13275E-05	4.08852E-05	**8497**	9.24178E-05
8.85037E-05	9.36934E-05	2.28193E-05	8.93758E-05	4.25348E-05	9.29179E-05	9.81834E-05	2.56644E-05	8.93758E-05	4.1322E-05	**8498**	8.90272E-05
8.61215E-05	9.1184E-05	2.20469E-05	8.79233E-05	4.35632E-05	9.08974E-05	9.60562E-05	2.50066E-05	8.79233E-05	4.23894E-05	**8499**	8.66963E-05
8.77684E-05	9.29276E-05	2.24698E-05	9.03674E-05	4.54031E-05	9.29972E-05	9.82736E-05	2.56039E-05	9.03674E-05	4.42847E-05	**8500**	8.84096E-05
9.40028E-05	9.95092E-05	2.43105E-05	9.68033E-05	4.7832E-05	9.95668E-05	0.000105201	2.76063E-05	9.68033E-05	4.67707E-05	**8501**	9.47023E-05
0.000104023	0.00011011	2.69856E-05	0.000105121	4.84894E-05	0.000109218	0.000115402	3.02321E-05	0.000105121	4.73981E-05	**8502**	0.000104557
0.000108655	0.000114933	2.92008E-05	0.000109825	9.50069E-05	0.000113912	0.000120309	3.22002E-05	0.000109825	8.6413E-05	**8503**	0.000109073

0.000107885	0.000114053	2.98269E-05	0.000110376	9.47786E-05	0.000113587	0.000119922	3.26773E-05	0.000110376	8.61272E-05	**8504**	0.000108269
0.000107535	0.000113655	3.00766E-05	0.000110218	9.56619E-05	0.00011325	0.000119539	3.29139E-05	0.000110218	8.70145E-05	**8505**	0.000108027
0.000105738	0.000111724	2.99707E-05	0.000108117	9.60519E-05	0.000111161	0.000117306	3.2674E-05	0.000108117	8.74046E-05	**8506**	0.000106302
0.000104025	0.000109891	2.97724E-05	0.000105899	9.65145E-05	0.000109086	0.000115096	3.23227E-05	0.000105899	8.78739E-05	**8507**	0.000104613
0.000102551	0.000108346	2.92059E-05	0.000104388	8.94E-05	0.000107563	0.000113499	3.1734E-05	0.000104388	8.20201E-05	**8508**	0.000103092
0.000101538	0.000107281	2.88467E-05	0.000102912	8.92177E-05	0.000106302	0.000112175	3.12828E-05	0.000102912	8.18375E-05	**8509**	0.000102014
0.000100492	0.000106196	2.82994E-05	0.000101988	8.82371E-05	0.000105317	0.000111155	3.07602E-05	0.000101988	8.08368E-05	**8510**	0.00010091
0.000101873	0.000107667	2.85434E-05	0.000103556	9.36803E-05	0.00010687	0.000112804	3.10816E-05	0.000103556	8.49825E-05	**8511**	0.000102274
0.000110759	0.000117076	3.08118E-05	0.000112456	9.13065E-05	0.00011617	0.000122637	3.35731E-05	0.000112456	8.25466E-05	**8512**	0.000111124
0.000124061	0.00013118	3.39603E-05	0.000124684	8.90876E-05	0.000129617	0.000136877	3.68989E-05	0.000124684	8.02685E-05	**8513**	0.000124208
0.000136846	0.000144667	3.78551E-05	0.000134039	8.72716E-05	0.000141246	0.000149136	4.04675E-05	0.000134039	7.84069E-05	**8514**	0.000136794
0.000143853	0.000151941	4.14859E-05	0.000136871	7.16621E-05	0.000146256	0.000154311	4.33726E-05	0.000136871	6.52972E-05	**8515**	0.000143877
0.000141872	0.000149751	4.21448E-05	0.000133258	5.86219E-05	0.000143196	0.000150996	4.35824E-05	0.000133258	5.48525E-05	**8516**	0.000142062
0.000138409	0.000146117	4.0845E-05	0.000127371	5.01324E-05	0.000138497	0.000146044	4.20974E-05	0.000127371	4.76018E-05	**8517**	0.000138658
0.000130452	0.000137779	3.77142E-05	0.000119324	4.39717E-05	0.00013033	0.000137469	3.91353E-05	0.000119324	4.27587E-05	**8518**	0.000130811
0.0001162	0.000122759	3.31845E-05	0.000108483	4.27076E-05	0.000117205	0.000123647	3.49202E-05	0.000108483	4.14684E-05	**8519**	0.000116694
0.000105598	0.000111648	2.9032E-05	0.00010136	4.19502E-05	0.000108033	0.000114045	3.12444E-05	0.00010136	4.0696E-05	**8520**	0.000106073
9.18593E-05	9.71934E-05	2.43475E-05	9.13275E-05	4.2117E-05	9.56381E-05	0.000101015	2.69678E-05	9.13275E-05	4.08852E-05	**8521**	9.24178E-05
8.85037E-05	9.36934E-05	2.28193E-05	8.93758E-05	4.25348E-05	9.29179E-05	9.81834E-05	2.56644E-05	8.93758E-05	4.1322E-05	**8522**	8.90272E-05
8.61215E-05	9.1184E-05	2.20469E-05	8.79233E-05	4.35632E-05	9.08974E-05	9.60562E-05	2.50066E-05	8.79233E-05	4.23894E-05	**8523**	8.66963E-05
8.77684E-05	9.29276E-05	2.24698E-05	9.03674E-05	4.54031E-05	9.29972E-05	9.82736E-05	2.56039E-05	9.03674E-05	4.42847E-05	**8524**	8.84096E-05
9.40028E-05	9.95092E-05	2.43105E-05	9.68033E-05	4.7832E-05	9.95668E-05	0.000105201	2.76063E-05	9.68033E-05	4.67707E-05	**8525**	9.47023E-05
0.000104023	0.00011011	2.69856E-05	0.000105121	4.84894E-05	0.000109218	0.000115402	3.02321E-05	0.000105121	4.73981E-05	**8526**	0.000104557
0.000108655	0.000114933	2.92008E-05	0.000109825	9.50069E-05	0.000113912	0.000120309	3.22002E-05	0.000109825	8.6413E-05	**8527**	0.000109073
0.000107885	0.000114053	2.98269E-05	0.000110376	9.47786E-05	0.000113587	0.000119922	3.26773E-05	0.000110376	8.61272E-05	**8528**	0.000108269
0.000107535	0.000113655	3.00766E-05	0.000110218	9.56619E-05	0.00011325	0.000119539	3.29139E-05	0.000110218	8.70145E-05	**8529**	0.000108027
0.000105738	0.000111724	2.99707E-05	0.000108117	9.60519E-05	0.000111161	0.000117306	3.2674E-05	0.000108117	8.74046E-05	**8530**	0.000106302
0.000104025	0.000109891	2.97724E-05	0.000105899	9.65145E-05	0.000109086	0.000115096	3.23227E-05	0.000105899	8.78739E-05	**8531**	0.000104613
0.000102551	0.000108346	2.92059E-05	0.000104388	8.94E-05	0.000107563	0.000113499	3.1734E-05	0.000104388	8.20201E-05	**8532**	0.000103092
0.000101538	0.000107281	2.88467E-05	0.000102912	8.92177E-05	0.000106302	0.000112175	3.12828E-05	0.000102912	8.18375E-05	**8533**	0.000102014
0.000100492	0.000106196	2.82994E-05	0.000101988	8.82371E-05	0.000105317	0.000111155	3.07602E-05	0.000101988	8.08368E-05	**8534**	0.00010091
0.000101873	0.000107667	2.85434E-05	0.000103556	9.36803E-05	0.00010687	0.000112804	3.10816E-05	0.000103556	8.49825E-05	**8535**	0.000102274
0.000110759	0.000117076	3.08118E-05	0.000112456	9.13065E-05	0.00011617	0.000122637	3.35731E-05	0.000112456	8.25466E-05	**8536**	0.000111124
0.000124061	0.00013118	3.39603E-05	0.000124684	8.90876E-05	0.000129617	0.000136877	3.68989E-05	0.000124684	8.02685E-05	**8537**	0.000124208
0.000136846	0.000144667	3.78551E-05	0.000134039	8.72716E-05	0.000141246	0.000149136	4.04675E-05	0.000134039	7.84069E-05	**8538**	0.000136794
0.000143853	0.000151941	4.14859E-05	0.000136871	7.16621E-05	0.000146256	0.000154311	4.33726E-05	0.000136871	6.52972E-05	**8539**	0.000143877
0.000141872	0.000149751	4.21448E-05	0.000133258	5.86219E-05	0.000143196	0.000150996	4.35824E-05	0.000133258	5.48525E-05	**8540**	0.000142062
0.000138409	0.000146117	4.0845E-05	0.000127371	5.01324E-05	0.000138497	0.000146044	4.20974E-05	0.000127371	4.76018E-05	**8541**	0.000138658
0.000130452	0.000137779	3.77142E-05	0.000119324	4.39717E-05	0.00013033	0.000137469	3.91353E-05	0.000119324	4.27587E-05	**8542**	0.000130811
0.0001162	0.000122759	3.31845E-05	0.000108483	4.27076E-05	0.000117205	0.000123647	3.49202E-05	0.000108483	4.14684E-05	**8543**	0.000116694
0.000105598	0.000111648	2.9032E-05	0.00010136	4.19502E-05	0.000108033	0.000114045	3.12444E-05	0.00010136	4.0696E-05	**8544**	0.000106073
9.18593E-05	9.71934E-05	2.43475E-05	9.13275E-05	4.2117E-05	9.56381E-05	0.000101015	2.69678E-05	9.13275E-05	4.08852E-05	**8545**	9.24178E-05
8.85037E-05	9.36934E-05	2.28193E-05	8.93758E-05	4.25348E-05	9.29179E-05	9.81834E-05	2.56644E-05	8.93758E-05	4.1322E-05	**8546**	8.90272E-05
8.61215E-05	9.1184E-05	2.20469E-05	8.79233E-05	4.35632E-05	9.08974E-05	9.60562E-05	2.50066E-05	8.79233E-05	4.23894E-05	**8547**	8.66963E-05
8.77684E-05	9.29276E-05	2.24698E-05	9.03674E-05	4.54031E-05	9.29972E-05	9.82736E-05	2.56039E-05	9.03674E-05	4.42847E-05	**8548**	8.84096E-05
9.40028E-05	9.95092E-05	2.43105E-05	9.68033E-05	4.7832E-05	9.95668E-05	0.000105201	2.76063E-05	9.68033E-05	4.67707E-05	**8549**	9.47023E-05
0.000104023	0.00011011	2.69856E-05	0.000105121	4.84894E-05	0.000109218	0.000115402	3.02321E-05	0.000105121	4.73981E-05	**8550**	0.000104557
0.000108655	0.000114933	2.92008E-05	0.000109825	9.50069E-05	0.000113912	0.000120309	3.22002E-05	0.000109825	8.6413E-05	**8551**	0.000109073
0.000107885	0.000114053	2.98269E-05	0.000110376	9.47786E-05	0.000113587	0.000119922	3.26773E-05	0.000110376	8.61272E-05	**8552**	0.000108269
0.000107535	0.000113655	3.00766E-05	0.000110218	9.56619E-05	0.00011325	0.000119539	3.29139E-05	0.000110218	8.70145E-05	**8553**	0.000108027
0.000105738	0.000111724	2.99707E-05	0.000108117	9.60519E-05	0.000111161	0.000117306	3.2674E-05	0.000108117	8.74046E-05	**8554**	0.000106302
0.000104025	0.000109891	2.97724E-05	0.000105899	9.65145E-05	0.000109086	0.000115096	3.23227E-05	0.000105899	8.78739E-05	**8555**	0.000104613
0.000102551	0.000108346	2.92059E-05	0.000104388	8.94E-05	0.000107563	0.000113499	3.1734E-05	0.000104388	8.20201E-05	**8556**	0.000103092
0.000101538	0.000107281	2.88467E-05	0.000102912	8.92177E-05	0.000106302	0.000112175	3.12828E-05	0.000102912	8.18375E-05	**8557**	0.000102014
0.000100492	0.000106196	2.82994E-05	0.000101988	8.82371E-05	0.000105317	0.000111155	3.07602E-05	0.000101988	8.08368E-05	**8558**	0.00010091
0.000101873	0.000107667	2.85434E-05	0.000103556	9.36803E-05	0.00010687	0.000112804	3.10816E-05	0.000103556	8.49825E-05	**8559**	0.000102274
0.000110759	0.000117076	3.08118E-05	0.000112456	9.13065E-05	0.00011617	0.000122637	3.35731E-05	0.000112456	8.25466E-05	**8560**	0.000111124
0.000124061	0.00013118	3.39603E-05	0.000124684	8.90876E-05	0.000129617	0.000136877	3.68989E-05	0.000124684	8.02685E-05	**8561**	0.000124208
0.000136846	0.000144667	3.78551E-05	0.000134039	8.72716E-05	0.000141246	0.000149136	4.04675E-05	0.000134039	7.84069E-05	**8562**	0.000136794
0.000143853	0.000151941	4.14859E-05	0.000136871	7.16621E-05	0.000146256	0.000154311	4.33726E-05	0.000136871	6.52972E-05	**8563**	0.000143877
0.000141872	0.000149751	4.21448E-05	0.000133258	5.86219E-05	0.000143196	0.000150996	4.35824E-05	0.000133258	5.48525E-05	**8564**	0.000142062
0.000138409	0.000146117	4.0845E-05	0.000127371	5.01324E-05	0.000138497	0.000146044	4.20974E-05	0.000127371	4.76018E-05	**8565**	0.000138658
0.000130452	0.000137779	3.77142E-05	0.000119324	4.39717E-05	0.00013033	0.000137469	3.91353E-05	0.000119324	4.27587E-05	**8566**	0.000130811
0.0001162	0.000122759	3.31845E-05	0.000108483	4.27076E-05	0.000117205	0.000123647	3.49202E-05	0.000108483	4.14684E-05	**8567**	0.000116694
0.000105598	0.000111648	2.9032E-05	0.00010136	4.19502E-05	0.000108033	0.000114045	3.12444E-05	0.00010136	4.0696E-05	**8568**	0.000106073
9.18593E-05	9.71934E-05	2.43475E-05	9.13275E-05	4.2117E-05	9.56381E-05	0.000101015	2.69678E-05	9.13275E-05	4.08852E-05	**8569**	9.24178E-05
8.85037E-05	9.36934E-05	2.28193E-05	8.93758E-05	4.25348E-05	9.29179E-05	9.81834E-05	2.56644E-05	8.93758E-05	4.1322E-05	**8570**	8.90272E-05
8.61215E-05	9.1184E-05	2.20469E-05	8.79233E-05	4.35632E-05	9.08974E-05	9.60562E-05	2.50066E-05	8.79233E-05	4.23894E-05	**8571**	8.66963E-05
8.77684E-05	9.29276E-05	2.24698E-05	9.03674E-05	4.54031E-05	9.29972E-05	9.82736E-05	2.56039E-05	9.03674E-05	4.42847E-05	**8572**	8.84096E-05
9.40028E-05	9.95092E-05	2.43105E-05	9.68033E-05	4.7832E-05	9.95668E-05	0.000105201	2.76063E-05	9.68033E-05	4.67707E-05	**8573**	9.47023E-05
0.000104023	0.00011011	2.69856E-05	0.000105121	4.84894E-05	0.000109218	0.000115402	3.02321E-05	0.000105121	4.73981E-05	**8574**	0.000104557
0.000108655	0.000114933	2.92008E-05	0.000109825	9.50069E-05	0.000113912	0.000120309	3.22002E-05	0.000109825	8.6413E-05	**8575**	0.000109073
0.000107885	0.000114053	2.98269E-05	0.000110376	9.47786E-05	0.000113587	0.000119922	3.26773E-05	0.000110376	8.61272E-05	**8576**	0.000108269
0.000107535	0.000113655	3.00766E-05	0.000110218	9.56619E-05	0.00011325	0.000119539	3.29139E-05	0.000110218	8.70145E-05	**8577**	0.000108027
0.000105738	0.000111724	2.99707E-05	0.000108117	9.60519E-05	0.000111161	0.000117306	3.2674E-05	0.000108117	8.74046E-05	**8578**	0.000106302
0.000104025	0.000109891	2.97724E-05	0.000105899	9.65145E-05	0.000109086	0.000115096	3.23227E-05	0.000105899	8.78739E-05	**8579**	0.000104613

0.000102551	0.000108346	2.92059E-05	0.000104388	8.94E-05	0.000107563	0.000113499	3.1734E-05	0.000104388	8.20201E-05	**8580**	0.000103092
0.000101538	0.000107281	2.88467E-05	0.000102912	8.92177E-05	0.000106302	0.000112175	3.12828E-05	0.000102912	8.18375E-05	**8581**	0.000102014
0.000100492	0.000106196	2.82994E-05	0.000101988	8.82371E-05	0.000105317	0.000111155	3.07602E-05	0.000101988	8.08368E-05	**8582**	0.00010091
0.000101873	0.000107667	2.85434E-05	0.000103556	9.36803E-05	0.00010687	0.000112804	3.10816E-05	0.000103556	8.49825E-05	**8583**	0.000102274
0.000110759	0.000117076	3.08118E-05	0.000112456	9.13065E-05	0.00011617	0.000122637	3.35731E-05	0.000112456	8.25466E-05	**8584**	0.000111124
0.000124061	0.00013118	3.39603E-05	0.000124684	8.90876E-05	0.000129617	0.000136877	3.68989E-05	0.000124684	8.02685E-05	**8585**	0.000124208
0.000136846	0.000144667	3.78551E-05	0.000134039	8.72716E-05	0.000141246	0.000149136	4.04675E-05	0.000134039	7.84069E-05	**8586**	0.000136794
0.000143853	0.000151941	4.14859E-05	0.000136871	7.16621E-05	0.000146256	0.000154311	4.33726E-05	0.000136871	6.52972E-05	**8587**	0.000143877
0.000141872	0.000149751	4.21448E-05	0.000133258	5.86219E-05	0.000143196	0.000150996	4.35824E-05	0.000133258	5.48525E-05	**8588**	0.000142062
0.000138409	0.000146117	4.0845E-05	0.000127371	5.01324E-05	0.000138497	0.000146044	4.20974E-05	0.000127371	4.76018E-05	**8589**	0.000138658
0.000130452	0.000137779	3.77142E-05	0.000119324	4.39717E-05	0.00013033	0.000137469	3.91353E-05	0.000119324	4.27587E-05	**8590**	0.000130811
0.0001162	0.000122759	3.31845E-05	0.000108483	4.27076E-05	0.000117205	0.000123647	3.49202E-05	0.000108483	4.14684E-05	**8591**	0.000116694
0.000105598	0.000111648	2.9032E-05	0.00010136	4.19502E-05	0.000108033	0.000114045	3.12444E-05	0.00010136	4.0696E-05	**8592**	0.000106073
9.16601E-05	9.69828E-05	2.42937E-05	9.10872E-05	4.20382E-05	9.54109E-05	0.000100775	2.69025E-05	9.10872E-05	4.08056E-05	**8593**	9.2215E-05
8.72409E-05	9.23579E-05	2.24771E-05	8.78463E-05	4.25127E-05	9.14745E-05	9.66595E-05	2.52483E-05	8.78463E-05	4.13004E-05	**8594**	8.77401E-05
8.48801E-05	8.9871E-05	2.17109E-05	8.64219E-05	4.35787E-05	8.94794E-05	9.45592E-05	2.45983E-05	8.64219E-05	4.24063E-05	**8595**	8.54312E-05
8.65688E-05	9.16584E-05	2.2152E-05	8.89519E-05	4.53627E-05	9.16424E-05	9.68427E-05	2.52213E-05	8.89519E-05	4.42437E-05	**8596**	8.71923E-05
9.28154E-05	9.82523E-05	2.40019E-05	9.54332E-05	4.77512E-05	9.82394E-05	0.000103798	2.72382E-05	9.54332E-05	4.66883E-05	**8597**	9.35017E-05
0.000102858	0.000108877	2.66806E-05	0.000103766	4.83377E-05	0.00010791	0.00011402	2.9867E-05	0.000103766	4.72424E-05	**8598**	0.000103377
0.000108905	0.000115222	2.89504E-05	0.00010858	9.48375E-05	0.000113519	0.00011991	3.18861E-05	0.00010858	8.62391E-05	**8599**	0.000109313
0.000106363	0.000112441	2.94415E-05	0.000108673	9.4565E-05	0.000111909	0.000118148	3.22235E-05	0.000108673	8.59073E-05	**8600**	0.000106737
0.00010558	0.000111585	2.95844E-05	0.000108045	9.53993E-05	0.0001111	0.000117267	3.23358E-05	0.000108045	8.67437E-05	**8601**	0.000106062
0.000103227	0.000109065	2.93424E-05	0.000105345	9.58133E-05	0.000108409	0.000114396	3.19382E-05	0.000105345	8.71588E-05	**8602**	0.000103781
0.000101214	0.000106915	2.90682E-05	0.000102792	9.63513E-05	0.000106004	0.000111837	3.14975E-05	0.000102792	8.7706E-05	**8603**	0.000101791
9.96418E-05	0.000105265	2.8473E-05	0.000101152	8.92279E-05	0.000104363	0.000110117	3.08728E-05	0.000101152	8.18433E-05	**8604**	0.000100167
9.86019E-05	0.000104172	2.80996E-05	9.96072E-05	8.90084E-05	0.000103056	0.000108744	3.04007E-05	9.96072E-05	8.16221E-05	**8605**	9.90574E-05
9.76988E-05	0.000103237	2.76016E-05	9.89108E-05	8.80472E-05	0.000102259	0.00010792	2.99439E-05	9.89108E-05	8.06412E-05	**8606**	9.81064E-05
9.93489E-05	0.000104993	2.79081E-05	0.00010075	9.35168E-05	0.000104095	0.00010987	3.03355E-05	0.00010075	8.48144E-05	**8607**	9.97366E-05
0.000108597	0.000114786	3.0253E-05	0.000109977	9.12E-05	0.00011376	0.00012009	3.29084E-05	0.000109977	8.24375E-05	**8608**	0.00010894
0.000122097	0.000129102	3.34393E-05	0.000122363	8.89423E-05	0.000127398	0.000134533	3.62712E-05	0.000122363	8.01193E-05	**8609**	0.000122215
0.000135027	0.000142742	3.73783E-05	0.000131919	8.71111E-05	0.000139203	0.000146979	3.98963E-05	0.000131919	7.82419E-05	**8610**	0.000134952
0.000142132	0.00015012	4.10224E-05	0.000134801	7.14301E-05	0.000144295	0.000152241	4.28104E-05	0.000134801	6.50589E-05	**8611**	0.000142124
0.000140408	0.000148204	4.17349E-05	0.000131416	5.84458E-05	0.000141493	0.000149199	4.30766E-05	0.000131416	5.4672E-05	**8612**	0.00014056
0.000135678	0.000143204	4.04267E-05	0.000125629	5.00484E-05	0.000136062	0.000143457	4.16E-05	0.000125629	4.75169E-05	**8613**	0.000135892
0.000129217	0.000136474	3.73739E-05	0.000117799	4.3958E-05	0.000128905	0.000135966	3.87183E-05	0.000117799	4.27461E-05	**8614**	0.000129549
0.000115135	0.000121632	3.29051E-05	0.00010724	4.27199E-05	0.000116009	0.000122384	3.45853E-05	0.00010724	4.14827E-05	**8615**	0.000115615
0.000104966	0.000110978	2.88741E-05	0.000100664	4.20972E-05	0.000107341	0.000113314	3.10598E-05	0.000100664	4.08485E-05	**8616**	0.000105438
9.16601E-05	9.69828E-05	2.42937E-05	9.10872E-05	4.20382E-05	9.54109E-05	0.000100775	2.69025E-05	9.10872E-05	4.08056E-05	**8617**	9.2215E-05
8.72409E-05	9.23579E-05	2.24771E-05	8.78463E-05	4.25127E-05	9.14745E-05	9.66595E-05	2.52483E-05	8.78463E-05	4.13004E-05	**8618**	8.77401E-05
8.48801E-05	8.9871E-05	2.17109E-05	8.64219E-05	4.35787E-05	8.94794E-05	9.45592E-05	2.45983E-05	8.64219E-05	4.24063E-05	**8619**	8.54312E-05
8.65688E-05	9.16584E-05	2.2152E-05	8.89519E-05	4.53627E-05	9.16424E-05	9.68427E-05	2.52213E-05	8.89519E-05	4.42437E-05	**8620**	8.71923E-05
9.28154E-05	9.82523E-05	2.40019E-05	9.54332E-05	4.77512E-05	9.82394E-05	0.000103798	2.72382E-05	9.54332E-05	4.66883E-05	**8621**	9.35017E-05
0.000102858	0.000108877	2.66806E-05	0.000103766	4.83377E-05	0.00010791	0.00011402	2.9867E-05	0.000103766	4.72424E-05	**8622**	0.000103377
0.000108905	0.000115222	2.89504E-05	0.00010858	9.48375E-05	0.000113519	0.00011991	3.18861E-05	0.00010858	8.62391E-05	**8623**	0.000109313
0.000106363	0.000112441	2.94415E-05	0.000108673	9.4565E-05	0.000111909	0.000118148	3.22235E-05	0.000108673	8.59073E-05	**8624**	0.000106737
0.00010558	0.000111585	2.95844E-05	0.000108045	9.53993E-05	0.0001111	0.000117267	3.23358E-05	0.000108045	8.67437E-05	**8625**	0.000106062
0.000103227	0.000109065	2.93424E-05	0.000105345	9.58133E-05	0.000108409	0.000114396	3.19382E-05	0.000105345	8.71588E-05	**8626**	0.000103781
0.000101214	0.000106915	2.90682E-05	0.000102792	9.63513E-05	0.000106004	0.000111837	3.14975E-05	0.000102792	8.7706E-05	**8627**	0.000101791
9.96418E-05	0.000105265	2.8473E-05	0.000101152	8.92279E-05	0.000104363	0.000110117	3.08728E-05	0.000101152	8.18433E-05	**8628**	0.000100167
9.86019E-05	0.000104172	2.80996E-05	9.96072E-05	8.90084E-05	0.000103056	0.000108744	3.04007E-05	9.96072E-05	8.16221E-05	**8629**	9.90574E-05
9.76988E-05	0.000103237	2.76016E-05	9.89108E-05	8.80472E-05	0.000102259	0.00010792	2.99439E-05	9.89108E-05	8.06412E-05	**8630**	9.81064E-05
9.93489E-05	0.000104993	2.79081E-05	0.00010075	9.35168E-05	0.000104095	0.00010987	3.03355E-05	0.00010075	8.48144E-05	**8631**	9.97366E-05
0.000108597	0.000114786	3.0253E-05	0.000109977	9.12E-05	0.00011376	0.00012009	3.29084E-05	0.000109977	8.24375E-05	**8632**	0.00010894
0.000122097	0.000129102	3.34393E-05	0.000122363	8.89423E-05	0.000127398	0.000134533	3.62712E-05	0.000122363	8.01193E-05	**8633**	0.000122215
0.000135027	0.000142742	3.73783E-05	0.000131919	8.71111E-05	0.000139203	0.000146979	3.98963E-05	0.000131919	7.82419E-05	**8634**	0.000134952
0.000142132	0.00015012	4.10224E-05	0.000134801	7.14301E-05	0.000144295	0.000152241	4.28104E-05	0.000134801	6.50589E-05	**8635**	0.000142124
0.000140408	0.000148204	4.17349E-05	0.000131416	5.84458E-05	0.000141493	0.000149199	4.30766E-05	0.000131416	5.4672E-05	**8636**	0.00014056
0.000135678	0.000143204	4.04267E-05	0.000125629	5.00484E-05	0.000136062	0.000143457	4.16E-05	0.000125629	4.75169E-05	**8637**	0.000135892
0.000129217	0.000136474	3.73739E-05	0.000117799	4.3958E-05	0.000128905	0.000135966	3.87183E-05	0.000117799	4.27461E-05	**8638**	0.000129549
0.000115135	0.000121632	3.29051E-05	0.00010724	4.27199E-05	0.000116009	0.000122384	3.45853E-05	0.00010724	4.14827E-05	**8639**	0.000115615
0.000104966	0.000110978	2.88741E-05	0.000100664	4.20972E-05	0.000107341	0.000113314	3.10598E-05	0.000100664	4.08485E-05	**8640**	0.000105438
9.18593E-05	9.71934E-05	2.43475E-05	9.13275E-05	4.2117E-05	9.56381E-05	0.000101015	2.69678E-05	9.13275E-05	4.08852E-05	**8641**	9.24178E-05
8.85037E-05	9.36934E-05	2.28193E-05	8.93758E-05	4.25348E-05	9.29179E-05	9.81834E-05	2.56644E-05	8.93758E-05	4.1322E-05	**8642**	8.90272E-05
8.61215E-05	9.1184E-05	2.20469E-05	8.79233E-05	4.35632E-05	9.08974E-05	9.60562E-05	2.50066E-05	8.79233E-05	4.23894E-05	**8643**	8.66963E-05
8.77684E-05	9.29276E-05	2.24698E-05	9.03674E-05	4.54031E-05	9.29972E-05	9.82736E-05	2.56039E-05	9.03674E-05	4.42847E-05	**8644**	8.84096E-05
9.40028E-05	9.95092E-05	2.43105E-05	9.68033E-05	4.7832E-05	9.95668E-05	0.000105201	2.76063E-05	9.68033E-05	4.67707E-05	**8645**	9.47023E-05
0.000104023	0.00011011	2.69856E-05	0.000105121	4.84894E-05	0.000109218	0.000115402	3.02321E-05	0.000105121	4.73981E-05	**8646**	0.000104557
0.000108655	0.000114933	2.92008E-05	0.000109825	9.50069E-05	0.000113912	0.000120309	3.22002E-05	0.000109825	8.6413E-05	**8647**	0.000109073
0.000107885	0.000114053	2.98269E-05	0.000110376	9.47786E-05	0.000113587	0.000119922	3.26773E-05	0.000110376	8.61272E-05	**8648**	0.000108269
0.000107535	0.000113655	3.00766E-05	0.000110218	9.56619E-05	0.00011325	0.000119539	3.29139E-05	0.000110218	8.70145E-05	**8649**	0.000108027
0.000105738	0.000111724	2.99707E-05	0.000108117	9.60519E-05	0.000111161	0.000117306	3.2674E-05	0.000108117	8.74046E-05	**8650**	0.000106302
0.000104025	0.000109891	2.97724E-05	0.000105899	9.65145E-05	0.000109086	0.000115096	3.23227E-05	0.000105899	8.78739E-05	**8651**	0.000104613
0.000102551	0.000108346	2.92059E-05	0.000104388	8.94E-05	0.000107563	0.000113499	3.1734E-05	0.000104388	8.20201E-05	**8652**	0.000103092
0.000101538	0.000107281	2.88467E-05	0.000102912	8.92177E-05	0.000106302	0.000112175	3.12828E-05	0.000102912	8.18375E-05	**8653**	0.000102014
0.000100492	0.000106196	2.82994E-05	0.000101988	8.82371E-05	0.000105317	0.000111155	3.07602E-05	0.000101988	8.08368E-05	**8654**	0.00010091
0.000101873	0.000107667	2.85434E-05	0.000103556	9.36803E-05	0.00010687	0.000112804	3.10816E-05	0.000103556	8.49825E-05	**8655**	0.000102274

0.000110759	0.000117076	3.08118E-05	0.000112456	9.13065E-05	0.00011617	0.000122637	3.35731E-05	0.000112456	8.25466E-05	**8656**	0.000111124
0.000124061	0.00013118	3.39603E-05	0.000124684	8.90876E-05	0.000129617	0.000136877	3.68989E-05	0.000124684	8.02685E-05	**8657**	0.000124208
0.000136846	0.000144667	3.78551E-05	0.000134039	8.72716E-05	0.000141246	0.000149136	4.04675E-05	0.000134039	7.84069E-05	**8658**	0.000136794
0.000143853	0.000151941	4.14859E-05	0.000136871	7.16621E-05	0.000146256	0.000154311	4.33726E-05	0.000136871	6.52972E-05	**8659**	0.000143877
0.000141872	0.000149751	4.21448E-05	0.000133258	5.86219E-05	0.000143196	0.000150996	4.35824E-05	0.000133258	5.48525E-05	**8660**	0.000142062
0.000138409	0.000146117	4.0845E-05	0.000127371	5.01324E-05	0.000138497	0.000146044	4.20974E-05	0.000127371	4.76018E-05	**8661**	0.000138658
0.000130452	0.000137779	3.77142E-05	0.000119324	4.39717E-05	0.00013033	0.000137469	3.91353E-05	0.000119324	4.27587E-05	**8662**	0.000130811
0.0001162	0.000122759	3.31845E-05	0.000108483	4.27076E-05	0.000117205	0.000123647	3.49202E-05	0.000108483	4.14684E-05	**8663**	0.000116694
0.000105598	0.000111648	2.9032E-05	0.00010136	4.19502E-05	0.000108033	0.000114045	3.12444E-05	0.00010136	4.0696E-05	**8664**	0.000106073
9.18593E-05	9.71934E-05	2.43475E-05	9.13275E-05	4.2117E-05	9.56381E-05	0.000101015	2.69678E-05	9.13275E-05	4.08852E-05	**8665**	9.24178E-05
8.85037E-05	9.36934E-05	2.28193E-05	8.93758E-05	4.25348E-05	9.29179E-05	9.81834E-05	2.56644E-05	8.93758E-05	4.1322E-05	**8666**	8.90272E-05
8.61215E-05	9.1184E-05	2.20469E-05	8.79233E-05	4.35632E-05	9.08974E-05	9.60562E-05	2.50066E-05	8.79233E-05	4.23894E-05	**8667**	8.66963E-05
8.77684E-05	9.29276E-05	2.24698E-05	9.03674E-05	4.54031E-05	9.29972E-05	9.82736E-05	2.56039E-05	9.03674E-05	4.42847E-05	**8668**	8.84096E-05
9.40028E-05	9.95092E-05	2.43105E-05	9.68033E-05	4.7832E-05	9.95668E-05	0.000105201	2.76063E-05	9.68033E-05	4.67707E-05	**8669**	9.47023E-05
0.000104023	0.00011011	2.69856E-05	0.000105121	4.84894E-05	0.000109218	0.000115402	3.02321E-05	0.000105121	4.73981E-05	**8670**	0.000104557
0.000108655	0.000114933	2.92008E-05	0.000109825	9.50069E-05	0.000113912	0.000120309	3.22002E-05	0.000109825	8.6413E-05	**8671**	0.000109073
0.000107885	0.000114053	2.98269E-05	0.000110376	9.47786E-05	0.000113587	0.000119922	3.26773E-05	0.000110376	8.61272E-05	**8672**	0.000108269
0.000107535	0.000113655	3.00766E-05	0.000110218	9.56619E-05	0.00011325	0.000119539	3.29139E-05	0.000110218	8.70145E-05	**8673**	0.000108027
0.000105738	0.000111724	2.99707E-05	0.000108117	9.60519E-05	0.000111161	0.000117306	3.2674E-05	0.000108117	8.74046E-05	**8674**	0.000106302
0.000104025	0.000109891	2.97724E-05	0.000105899	9.65145E-05	0.000109086	0.000115096	3.23227E-05	0.000105899	8.78739E-05	**8675**	0.000104613
0.000102551	0.000108346	2.92059E-05	0.000104388	8.94E-05	0.000107563	0.000113499	3.1734E-05	0.000104388	8.20201E-05	**8676**	0.000103092
0.000101538	0.000107281	2.88467E-05	0.000102912	8.92177E-05	0.000106302	0.000112175	3.12828E-05	0.000102912	8.18375E-05	**8677**	0.000102014
0.000100492	0.000106196	2.82994E-05	0.000101988	8.82371E-05	0.000105317	0.000111155	3.07602E-05	0.000101988	8.08368E-05	**8678**	0.00010091
0.000101873	0.000107667	2.85434E-05	0.000103556	9.36803E-05	0.00010687	0.000112804	3.10816E-05	0.000103556	8.49825E-05	**8679**	0.000102274
0.000110759	0.000117076	3.08118E-05	0.000112456	9.13065E-05	0.00011617	0.000122637	3.35731E-05	0.000112456	8.25466E-05	**8680**	0.000111124
0.000124061	0.00013118	3.39603E-05	0.000124684	8.90876E-05	0.000129617	0.000136877	3.68989E-05	0.000124684	8.02685E-05	**8681**	0.000124208
0.000136846	0.000144667	3.78551E-05	0.000134039	8.72716E-05	0.000141246	0.000149136	4.04675E-05	0.000134039	7.84069E-05	**8682**	0.000136794
0.000143853	0.000151941	4.14859E-05	0.000136871	7.16621E-05	0.000146256	0.000154311	4.33726E-05	0.000136871	6.52972E-05	**8683**	0.000143877
0.000141872	0.000149751	4.21448E-05	0.000133258	5.86219E-05	0.000143196	0.000150996	4.35824E-05	0.000133258	5.48525E-05	**8684**	0.000142062
0.000138409	0.000146117	4.0845E-05	0.000127371	5.01324E-05	0.000138497	0.000146044	4.20974E-05	0.000127371	4.76018E-05	**8685**	0.000138658
0.000130452	0.000137779	3.77142E-05	0.000119324	4.39717E-05	0.00013033	0.000137469	3.91353E-05	0.000119324	4.27587E-05	**8686**	0.000130811
0.0001162	0.000122759	3.31845E-05	0.000108483	4.27076E-05	0.000117205	0.000123647	3.49202E-05	0.000108483	4.14684E-05	**8687**	0.000116694
0.000105598	0.000111648	2.9032E-05	0.00010136	4.19502E-05	0.000108033	0.000114045	3.12444E-05	0.00010136	4.0696E-05	**8688**	0.000106073
9.18593E-05	9.71934E-05	2.43475E-05	9.13275E-05	4.2117E-05	9.56381E-05	0.000101015	2.69678E-05	9.13275E-05	4.08852E-05	**8689**	9.24178E-05
8.85037E-05	9.36934E-05	2.28193E-05	8.93758E-05	4.25348E-05	9.29179E-05	9.81834E-05	2.56644E-05	8.93758E-05	4.1322E-05	**8690**	8.90272E-05
8.61215E-05	9.1184E-05	2.20469E-05	8.79233E-05	4.35632E-05	9.08974E-05	9.60562E-05	2.50066E-05	8.79233E-05	4.23894E-05	**8691**	8.66963E-05
8.77684E-05	9.29276E-05	2.24698E-05	9.03674E-05	4.54031E-05	9.29972E-05	9.82736E-05	2.56039E-05	9.03674E-05	4.42847E-05	**8692**	8.84096E-05
9.40028E-05	9.95092E-05	2.43105E-05	9.68033E-05	4.7832E-05	9.95668E-05	0.000105201	2.76063E-05	9.68033E-05	4.67707E-05	**8693**	9.47023E-05
0.000104023	0.00011011	2.69856E-05	0.000105121	4.84894E-05	0.000109218	0.000115402	3.02321E-05	0.000105121	4.73981E-05	**8694**	0.000104557
0.000108655	0.000114933	2.92008E-05	0.000109825	9.50069E-05	0.000113912	0.000120309	3.22002E-05	0.000109825	8.6413E-05	**8695**	0.000109073
0.000107885	0.000114053	2.98269E-05	0.000110376	9.47786E-05	0.000113587	0.000119922	3.26773E-05	0.000110376	8.61272E-05	**8696**	0.000108269
0.000107535	0.000113655	3.00766E-05	0.000110218	9.56619E-05	0.00011325	0.000119539	3.29139E-05	0.000110218	8.70145E-05	**8697**	0.000108027
0.000105738	0.000111724	2.99707E-05	0.000108117	9.60519E-05	0.000111161	0.000117306	3.2674E-05	0.000108117	8.74046E-05	**8698**	0.000106302
0.000104025	0.000109891	2.97724E-05	0.000105899	9.65145E-05	0.000109086	0.000115096	3.23227E-05	0.000105899	8.78739E-05	**8699**	0.000104613
0.000102551	0.000108346	2.92059E-05	0.000104388	8.94E-05	0.000107563	0.000113499	3.1734E-05	0.000104388	8.20201E-05	**8700**	0.000103092
0.000101538	0.000107281	2.88467E-05	0.000102912	8.92177E-05	0.000106302	0.000112175	3.12828E-05	0.000102912	8.18375E-05	**8701**	0.000102014
0.000100492	0.000106196	2.82994E-05	0.000101988	8.82371E-05	0.000105317	0.000111155	3.07602E-05	0.000101988	8.08368E-05	**8702**	0.00010091
0.000101873	0.000107667	2.85434E-05	0.000103556	9.36803E-05	0.00010687	0.000112804	3.10816E-05	0.000103556	8.49825E-05	**8703**	0.000102274
0.000110759	0.000117076	3.08118E-05	0.000112456	9.13065E-05	0.00011617	0.000122637	3.35731E-05	0.000112456	8.25466E-05	**8704**	0.000111124
0.000124061	0.00013118	3.39603E-05	0.000124684	8.90876E-05	0.000129617	0.000136877	3.68989E-05	0.000124684	8.02685E-05	**8705**	0.000124208
0.000136846	0.000144667	3.78551E-05	0.000134039	8.72716E-05	0.000141246	0.000149136	4.04675E-05	0.000134039	7.84069E-05	**8706**	0.000136794
0.000143853	0.000151941	4.14859E-05	0.000136871	7.16621E-05	0.000146256	0.000154311	4.33726E-05	0.000136871	6.52972E-05	**8707**	0.000143877
0.000141872	0.000149751	4.21448E-05	0.000133258	5.86219E-05	0.000143196	0.000150996	4.35824E-05	0.000133258	5.48525E-05	**8708**	0.000142062
0.000138409	0.000146117	4.0845E-05	0.000127371	5.01324E-05	0.000138497	0.000146044	4.20974E-05	0.000127371	4.76018E-05	**8709**	0.000138658
0.000130452	0.000137779	3.77142E-05	0.000119324	4.39717E-05	0.00013033	0.000137469	3.91353E-05	0.000119324	4.27587E-05	**8710**	0.000130811
0.0001162	0.000122759	3.31845E-05	0.000108483	4.27076E-05	0.000117205	0.000123647	3.49202E-05	0.000108483	4.14684E-05	**8711**	0.000116694
0.000105598	0.000111648	2.9032E-05	0.00010136	4.19502E-05	0.000108033	0.000114045	3.12444E-05	0.00010136	4.0696E-05	**8712**	0.000106073
9.18593E-05	9.71934E-05	2.43475E-05	9.13275E-05	4.2117E-05	9.56381E-05	0.000101015	2.69678E-05	9.13275E-05	4.08852E-05	**8713**	9.24178E-05
8.85037E-05	9.36934E-05	2.28193E-05	8.93758E-05	4.25348E-05	9.29179E-05	9.81834E-05	2.56644E-05	8.93758E-05	4.1322E-05	**8714**	8.90272E-05
8.61215E-05	9.1184E-05	2.20469E-05	8.79233E-05	4.35632E-05	9.08974E-05	9.60562E-05	2.50066E-05	8.79233E-05	4.23894E-05	**8715**	8.66963E-05
8.77684E-05	9.29276E-05	2.24698E-05	9.03674E-05	4.54031E-05	9.29972E-05	9.82736E-05	2.56039E-05	9.03674E-05	4.42847E-05	**8716**	8.84096E-05
9.40028E-05	9.95092E-05	2.43105E-05	9.68033E-05	4.7832E-05	9.95668E-05	0.000105201	2.76063E-05	9.68033E-05	4.67707E-05	**8717**	9.47023E-05
0.000104023	0.00011011	2.69856E-05	0.000105121	4.84894E-05	0.000109218	0.000115402	3.02321E-05	0.000105121	4.73981E-05	**8718**	0.000104557
0.000108655	0.000114933	2.92008E-05	0.000109825	9.50069E-05	0.000113912	0.000120309	3.22002E-05	0.000109825	8.6413E-05	**8719**	0.000109073
0.000107885	0.000114053	2.98269E-05	0.000110376	9.47786E-05	0.000113587	0.000119922	3.26773E-05	0.000110376	8.61272E-05	**8720**	0.000108269
0.000107535	0.000113655	3.00766E-05	0.000110218	9.56619E-05	0.00011325	0.000119539	3.29139E-05	0.000110218	8.70145E-05	**8721**	0.000108027
0.000105738	0.000111724	2.99707E-05	0.000108117	9.60519E-05	0.000111161	0.000117306	3.2674E-05	0.000108117	8.74046E-05	**8722**	0.000106302
0.000104025	0.000109891	2.97724E-05	0.000105899	9.65145E-05	0.000109086	0.000115096	3.23227E-05	0.000105899	8.78739E-05	**8723**	0.000104613
0.000102551	0.000108346	2.92059E-05	0.000104388	8.94E-05	0.000107563	0.000113499	3.1734E-05	0.000104388	8.20201E-05	**8724**	0.000103092
0.000101538	0.000107281	2.88467E-05	0.000102912	8.92177E-05	0.000106302	0.000112175	3.12828E-05	0.000102912	8.18375E-05	**8725**	0.000102014
0.000100492	0.000106196	2.82994E-05	0.000101988	8.82371E-05	0.000105317	0.000111155	3.07602E-05	0.000101988	8.08368E-05	**8726**	0.00010091
0.000101873	0.000107667	2.85434E-05	0.000103556	9.36803E-05	0.00010687	0.000112804	3.10816E-05	0.000103556	8.49825E-05	**8727**	0.000102274
0.000110759	0.000117076	3.08118E-05	0.000112456	9.13065E-05	0.00011617	0.000122637	3.35731E-05	0.000112456	8.25466E-05	**8728**	0.000111124
0.000124061	0.00013118	3.39603E-05	0.000124684	8.90876E-05	0.000129617	0.000136877	3.68989E-05	0.000124684	8.02685E-05	**8729**	0.000124208
0.000136846	0.000144667	3.78551E-05	0.000134039	8.72716E-05	0.000141246	0.000149136	4.04675E-05	0.000134039	7.84069E-05	**8730**	0.000136794
0.000143853	0.000151941	4.14859E-05	0.000136871	7.16621E-05	0.000146256	0.000154311	4.33726E-05	0.000136871	6.52972E-05	**8731**	0.000143877

0.000141872	0.000149751	4.21448E-05	0.000133258	5.86219E-05	0.000143196	0.000150996	4.35824E-05	0.000133258	5.48525E-05	**8732**	0.000142062
0.000138409	0.000146117	4.0845E-05	0.000127371	5.01324E-05	0.000138497	0.000146044	4.20974E-05	0.000127371	4.76018E-05	**8733**	0.000138658
0.000130452	0.000137779	3.77142E-05	0.000119324	4.39717E-05	0.00013033	0.000137469	3.91353E-05	0.000119324	4.27587E-05	**8734**	0.000130811
0.0001162	0.000122759	3.31845E-05	0.000108483	4.27076E-05	0.000117205	0.000123647	3.49202E-05	0.000108483	4.14684E-05	**8735**	0.000116694
0.000105598	0.000111648	2.9032E-05	0.00010136	4.19502E-05	0.000108033	0.000114045	3.12444E-05	0.00010136	4.0696E-05	**8736**	0.000106073
9.18593E-05	9.71934E-05	2.43475E-05	9.13275E-05	4.2117E-05	9.56381E-05	0.000101015	2.69678E-05	9.13275E-05	4.08852E-05	**8737**	9.24178E-05
8.85037E-05	9.36934E-05	2.28193E-05	8.93758E-05	4.25348E-05	9.29179E-05	9.81834E-05	2.56644E-05	8.93758E-05	4.1322E-05	**8738**	8.90272E-05
8.61215E-05	9.1184E-05	2.20469E-05	8.79233E-05	4.35632E-05	9.08974E-05	9.60562E-05	2.50066E-05	8.79233E-05	4.23894E-05	**8739**	8.66963E-05
8.77684E-05	9.29276E-05	2.24698E-05	9.03674E-05	4.54031E-05	9.29972E-05	9.82736E-05	2.56039E-05	9.03674E-05	4.42847E-05	**8740**	8.84096E-05
9.40028E-05	9.95092E-05	2.43105E-05	9.68033E-05	4.7832E-05	9.95668E-05	0.000105201	2.76063E-05	9.68033E-05	4.67707E-05	**8741**	9.47023E-05
0.000104023	0.00011011	2.69856E-05	0.000105121	4.84894E-05	0.000109218	0.000115402	3.02321E-05	0.000105121	4.73981E-05	**8742**	0.000104557
0.000108655	0.000114933	2.92008E-05	0.000109825	9.50069E-05	0.000113912	0.000120309	3.22002E-05	0.000109825	8.6413E-05	**8743**	0.000109073
0.000107885	0.000114053	2.98269E-05	0.000110376	9.47786E-05	0.000113587	0.000119922	3.26773E-05	0.000110376	8.61272E-05	**8744**	0.000108269
0.000107535	0.000113655	3.00766E-05	0.000110218	9.56619E-05	0.00011325	0.000119539	3.29139E-05	0.000110218	8.70145E-05	**8745**	0.000108027
0.000105738	0.000111724	2.99707E-05	0.000108117	9.60519E-05	0.000111161	0.000117306	3.2674E-05	0.000108117	8.74046E-05	**8746**	0.000106302
0.000104025	0.000109891	2.97724E-05	0.000105899	9.65145E-05	0.000109086	0.000115096	3.23227E-05	0.000105899	8.78739E-05	**8747**	0.000104613
0.000102551	0.000108346	2.92059E-05	0.000104388	8.94E-05	0.000107563	0.000113499	3.1734E-05	0.000104388	8.20201E-05	**8748**	0.000103092
0.000101538	0.000107281	2.88467E-05	0.000102912	8.92177E-05	0.000106302	0.000112175	3.12828E-05	0.000102912	8.18375E-05	**8749**	0.000102014
0.000100492	0.000106196	2.82994E-05	0.000101988	8.82371E-05	0.000105317	0.000111155	3.07602E-05	0.000101988	8.08368E-05	**8750**	0.00010091
0.000101873	0.000107667	2.85434E-05	0.000103556	9.36803E-05	0.00010687	0.000112804	3.10816E-05	0.000103556	8.49825E-05	**8751**	0.000102274
0.000110759	0.000117076	3.08118E-05	0.000112456	9.13065E-05	0.00011617	0.000122637	3.35731E-05	0.000112456	8.25466E-05	**8752**	0.000111124
0.000124061	0.00013118	3.39603E-05	0.000124684	8.90876E-05	0.000129617	0.000136877	3.68989E-05	0.000124684	8.02685E-05	**8753**	0.000124208
0.000136846	0.000144667	3.78551E-05	0.000134039	8.72716E-05	0.000141246	0.000149136	4.04675E-05	0.000134039	7.84069E-05	**8754**	0.000136794
0.000143853	0.000151941	4.14859E-05	0.000136871	7.16621E-05	0.000146256	0.000154311	4.33726E-05	0.000136871	6.52972E-05	**8755**	0.000143877
0.000141872	0.000149751	4.21448E-05	0.000133258	5.86219E-05	0.000143196	0.000150996	4.35824E-05	0.000133258	5.48525E-05	**8756**	0.000142062
0.000138409	0.000146117	4.0845E-05	0.000127371	5.01324E-05	0.000138497	0.000146044	4.20974E-05	0.000127371	4.76018E-05	**8757**	0.000138658
0.000130452	0.000137779	3.77142E-05	0.000119324	4.39717E-05	0.00013033	0.000137469	3.91353E-05	0.000119324	4.27587E-05	**8758**	0.000130811
0.0001162	0.000122759	3.31845E-05	0.000108483	4.27076E-05	0.000117205	0.000123647	3.49202E-05	0.000108483	4.14684E-05	**8759**	0.000116694
0.000105598	0.000111648	2.9032E-05	0.00010136	4.19502E-05	0.000108033	0.000114045	3.12444E-05	0.00010136	4.0696E-05	**8760**	0.000106073
9.18593E-05	9.71934E-05	2.43475E-05	9.13275E-05	4.2117E-05	9.56381E-05	0.000101015	2.69678E-05	9.13275E-05	4.08852E-05	**8761**	9.24178E-05
8.85037E-05	9.36934E-05	2.28193E-05	8.93758E-05	4.25348E-05	9.29179E-05	9.81834E-05	2.56644E-05	8.93758E-05	4.1322E-05	**8762**	8.90272E-05
8.61215E-05	9.1184E-05	2.20469E-05	8.79233E-05	4.35632E-05	9.08974E-05	9.60562E-05	2.50066E-05	8.79233E-05	4.23894E-05	**8763**	8.66963E-05
8.77684E-05	9.29276E-05	2.24698E-05	9.03674E-05	4.54031E-05	9.29972E-05	9.82736E-05	2.56039E-05	9.03674E-05	4.42847E-05	**8764**	8.84096E-05
9.40028E-05	9.95092E-05	2.43105E-05	9.68033E-05	4.7832E-05	9.95668E-05	0.000105201	2.76063E-05	9.68033E-05	4.67707E-05	**8765**	9.47023E-05
0.000104023	0.00011011	2.69856E-05	0.000105121	4.84894E-05	0.000109218	0.000115402	3.02321E-05	0.000105121	4.73981E-05	**8766**	0.000104557
0.000108655	0.000114933	2.92008E-05	0.000109825	9.50069E-05	0.000113912	0.000120309	3.22002E-05	0.000109825	8.6413E-05	**8767**	0.000109073
0.000107885	0.000114053	2.98269E-05	0.000110376	9.47786E-05	0.000113587	0.000119922	3.26773E-05	0.000110376	8.61272E-05	**8768**	0.000108269
0.000107535	0.000113655	3.00766E-05	0.000110218	9.56619E-05	0.00011325	0.000119539	3.29139E-05	0.000110218	8.70145E-05	**8769**	0.000108027
0.000105738	0.000111724	2.99707E-05	0.000108117	9.60519E-05	0.000111161	0.000117306	3.2674E-05	0.000108117	8.74046E-05	**8770**	0.000106302
0.000104025	0.000109891	2.97724E-05	0.000105899	9.65145E-05	0.000109086	0.000115096	3.23227E-05	0.000105899	8.78739E-05	**8771**	0.000104613
0.000102551	0.000108346	2.92059E-05	0.000104388	8.94E-05	0.000107563	0.000113499	3.1734E-05	0.000104388	8.20201E-05	**8772**	0.000103092
0.000101538	0.000107281	2.88467E-05	0.000102912	8.92177E-05	0.000106302	0.000112175	3.12828E-05	0.000102912	8.18375E-05	**8773**	0.000102014
0.000100492	0.000106196	2.82994E-05	0.000101988	8.82371E-05	0.000105317	0.000111155	3.07602E-05	0.000101988	8.08368E-05	**8774**	0.00010091
0.000101873	0.000107667	2.85434E-05	0.000103556	9.36803E-05	0.00010687	0.000112804	3.10816E-05	0.000103556	8.49825E-05	**8775**	0.000102274
0.000110759	0.000117076	3.08118E-05	0.000112456	9.13065E-05	0.00011617	0.000122637	3.35731E-05	0.000112456	8.25466E-05	**8776**	0.000111124
0.000124061	0.00013118	3.39603E-05	0.000124684	8.90876E-05	0.000129617	0.000136877	3.68989E-05	0.000124684	8.02685E-05	**8777**	0.000124208
0.000136846	0.000144667	3.78551E-05	0.000134039	8.72716E-05	0.000141246	0.000149136	4.04675E-05	0.000134039	7.84069E-05	**8778**	0.000136794
0.000143853	0.000151941	4.14859E-05	0.000136871	7.16621E-05	0.000146256	0.000154311	4.33726E-05	0.000136871	6.52972E-05	**8779**	0.000143877
0.000141872	0.000149751	4.21448E-05	0.000133258	5.86219E-05	0.000143196	0.000150996	4.35824E-05	0.000133258	5.48525E-05	**8780**	0.000142062
0.000138409	0.000146117	4.0845E-05	0.000127371	5.01324E-05	0.000138497	0.000146044	4.20974E-05	0.000127371	4.76018E-05	**8781**	0.000138658
0.000130452	0.000137779	3.77142E-05	0.000119324	4.39717E-05	0.00013033	0.000137469	3.91353E-05	0.000119324	4.27587E-05	**8782**	0.000130811
0.0001162	0.000122759	3.31845E-05	0.000108483	4.27076E-05	0.000117205	0.000123647	3.49202E-05	0.000108483	4.14684E-05	**8783**	0.000116694
0.000105598	0.000111648	2.9032E-05	0.00010136	4.19502E-05	0.000108033	0.000114045	3.12444E-05	0.00010136	4.0696E-05	**8784**	0.000106073

CC Avoided Cost								
RAP				MAP				
Residential	Residential	IQW	C&I	Residential	Residential	Residential	IQW	C&I
Tier 1	Tier 2	Energy Savings (MWh)	Energy Savings (MWh)	Energy Savings (MWh)	Tier 1	Tier 2	Energy Savings (MWh)	Energy Savings (MWh)
0.000102926	2.92832E-05	9.60815E-05	4.37916E-05	9.93497E-05	0.000104988	4.9363E-05	9.60815E-05	4.27515E-05
0.000100989	2.64082E-05	9.56268E-05	4.43448E-05	9.81042E-05	0.000103755	4.80057E-05	9.56268E-05	4.33156E-05
0.000100039	2.53172E-05	9.56098E-05	4.44789E-05	9.75684E-05	0.000103195	4.7687E-05	9.56098E-05	4.34538E-05
0.000102212	2.56502E-05	9.85924E-05	4.60185E-05	0.000100066	0.000105803	4.92004E-05	9.85924E-05	4.5016E-05
0.00010797	2.78844E-05	0.000104501	4.84443E-05	0.000105826	0.000111828	5.26087E-05	0.000104501	4.74682E-05
0.000115446	3.10788E-05	0.000110787	4.93512E-05	0.000112727	0.000119101	5.62144E-05	0.000110787	4.8359E-05
0.000121369	3.5084E-05	0.000115816	9.12066E-05	0.000118177	0.000124784	5.9593E-05	0.000115816	8.50645E-05
0.000119241	3.66244E-05	0.00011682	9.09667E-05	0.000117301	0.000123698	6.05864E-05	0.00011682	8.47873E-05
0.000117694	3.69322E-05	0.000114509	9.15629E-05	0.00011543	0.000121714	5.97116E-05	0.000114509	8.53757E-05
0.000114551	3.7044E-05	0.000110316	9.12813E-05	0.000111849	0.000117926	5.7979E-05	0.000110316	8.50816E-05
0.000111597	3.69758E-05	0.000106227	9.08009E-05	0.000108428	0.000114327	5.61349E-05	0.000106227	8.45885E-05
0.000108751	3.56902E-05	0.000102966	8.37594E-05	0.000105447	0.00011124	5.4092E-05	0.000102966	7.83954E-05
0.000106519	3.50772E-05	0.00010052	8.33241E-05	0.000103143	0.000108819	5.28156E-05	0.00010052	7.7955E-05
0.000105685	3.4084E-05	0.00010005	8.24201E-05	0.000102487	0.000108161	5.21847E-05	0.00010005	7.70441E-05
0.000107454	3.42151E-05	0.000102099	8.7516E-05	0.000104369	0.000110157	5.30563E-05	0.000102099	8.12697E-05
0.000114861	3.62527E-05	0.000109026	8.58779E-05	0.000111528	0.000117742	5.64338E-05	0.000109026	7.96148E-05
0.000126956	3.92777E-05	0.000119786	8.47175E-05	0.000123001	0.000129953	6.13635E-05	0.000119786	7.84427E-05
0.000140108	4.57673E-05	0.000129998	8.38155E-05	0.00013477	0.000142342	6.76358E-05	0.000129998	7.75361E-05
0.000150116	5.47234E-05	0.000136262	7.00037E-05	0.000142987	0.000150789	7.38144E-05	0.000136262	6.54471E-05
0.000150822	5.84223E-05	0.000135397	5.87328E-05	0.000142939	0.000150578	7.52103E-05	0.000135397	5.59488E-05
0.000145981	5.73119E-05	0.000129958	5.10704E-05	0.000137875	0.000145202	7.291E-05	0.000129958	4.9146E-05
0.000140292	5.24899E-05	0.000122705	4.60632E-05	0.000131664	0.000138798	6.84175E-05	0.000122705	4.50409E-05
0.000128152	4.54989E-05	0.0001139	4.50733E-05	0.000121085	0.000127698	6.24553E-05	0.0001139	4.40452E-05
0.000117603	3.75943E-05	0.000106933	4.47532E-05	0.000112228	0.000118499	5.66329E-05	0.000106933	4.37252E-05
0.000102926	2.92832E-05	9.60815E-05	4.37916E-05	9.93497E-05	0.000104988	4.9363E-05	9.60815E-05	4.27515E-05
0.000100989	2.64082E-05	9.56268E-05	4.43448E-05	9.81042E-05	0.000103755	4.80057E-05	9.56268E-05	4.33156E-05
0.000100039	2.53172E-05	9.56098E-05	4.44789E-05	9.75684E-05	0.000103195	4.7687E-05	9.56098E-05	4.34538E-05
0.000102212	2.56502E-05	9.85924E-05	4.60185E-05	0.000100066	0.000105803	4.92004E-05	9.85924E-05	4.5016E-05
0.00010797	2.78844E-05	0.000104501	4.84443E-05	0.000105826	0.000111828	5.26087E-05	0.000104501	4.74682E-05
0.000115446	3.10788E-05	0.000110787	4.93512E-05	0.000112727	0.000119101	5.62144E-05	0.000110787	4.8359E-05
0.000121369	3.5084E-05	0.000115816	9.12066E-05	0.000118177	0.000124784	5.9593E-05	0.000115816	8.50645E-05
0.000119241	3.66244E-05	0.00011682	9.09667E-05	0.000117301	0.000123698	6.05864E-05	0.00011682	8.47873E-05
0.000117694	3.69322E-05	0.000114509	9.15629E-05	0.00011543	0.000121714	5.97116E-05	0.000114509	8.53757E-05
0.000114551	3.7044E-05	0.000110316	9.12813E-05	0.000111849	0.000117926	5.7979E-05	0.000110316	8.50816E-05
0.000111597	3.69758E-05	0.000106227	9.08009E-05	0.000108428	0.000114327	5.61349E-05	0.000106227	8.45885E-05
0.000108751	3.56902E-05	0.000102966	8.37594E-05	0.000105447	0.00011124	5.4092E-05	0.000102966	7.83954E-05
0.000106519	3.50772E-05	0.00010052	8.33241E-05	0.000103143	0.000108819	5.28156E-05	0.00010052	7.7955E-05
0.000105685	3.4084E-05	0.00010005	8.24201E-05	0.000102487	0.000108161	5.21847E-05	0.00010005	7.70441E-05
0.000107454	3.42151E-05	0.000102099	8.7516E-05	0.000104369	0.000110157	5.30563E-05	0.000102099	8.12697E-05
0.000114861	3.62527E-05	0.000109026	8.58779E-05	0.000111528	0.000117742	5.64338E-05	0.000109026	7.96148E-05
0.000126956	3.92777E-05	0.000119786	8.47175E-05	0.000123001	0.000129953	6.13635E-05	0.000119786	7.84427E-05
0.000140108	4.57673E-05	0.000129998	8.38155E-05	0.00013477	0.000142342	6.76358E-05	0.000129998	7.75361E-05
0.000150116	5.47234E-05	0.000136262	7.00037E-05	0.000142987	0.000150789	7.38144E-05	0.000136262	6.54471E-05

0.000150822	5.84223E-05	0.000135397	5.87328E-05	0.000142939	0.000150578	7.52103E-05	0.000135397	5.59488E-05
0.000145981	5.73119E-05	0.000129958	5.10704E-05	0.000137875	0.000145202	7.291E-05	0.000129958	4.9146E-05
0.000140292	5.24899E-05	0.000122705	4.60632E-05	0.000131664	0.000138798	6.84175E-05	0.000122705	4.50409E-05
0.000128152	4.54989E-05	0.0001139	4.50733E-05	0.000121085	0.000127698	6.24553E-05	0.0001139	4.40452E-05
0.000117603	3.75943E-05	0.000106933	4.47532E-05	0.000112228	0.000118499	5.66329E-05	0.000106933	4.37252E-05
0.000103485	2.94229E-05	9.67447E-05	4.44926E-05	9.9948E-05	0.000105614	4.97107E-05	9.67447E-05	4.34648E-05
0.000100409	2.62791E-05	9.50101E-05	4.40506E-05	9.75123E-05	0.00010313	4.77064E-05	9.50101E-05	4.3017E-05
9.95384E-05	2.52164E-05	9.51249E-05	4.42556E-05	9.70763E-05	0.000102671	4.74696E-05	9.51249E-05	4.32272E-05
0.000101552	2.5507E-05	9.79075E-05	4.57019E-05	9.93991E-05	0.000105098	4.88744E-05	9.79075E-05	4.46947E-05
0.0001072	2.77198E-05	0.000103713	4.80185E-05	0.000105052	0.000111009	5.22379E-05	0.000103713	4.70366E-05
0.000114724	3.09236E-05	0.000110044	4.88741E-05	0.000112	0.000118332	5.58632E-05	0.000110044	4.78754E-05
0.000118938	3.48586E-05	0.000114833	9.05707E-05	0.000116349	0.000122801	5.91469E-05	0.000114833	8.44205E-05
0.00011834	3.64183E-05	0.000115837	9.01948E-05	0.000116372	0.000122719	6.00996E-05	0.000115837	8.40065E-05
0.000116741	3.67198E-05	0.000113494	9.07338E-05	0.000114457	0.000120687	5.92186E-05	0.000113494	8.45375E-05
0.000113765	3.68501E-05	0.000109396	9.05245E-05	0.000111013	0.000117049	5.75003E-05	0.000109396	8.43175E-05
0.000110943	3.68004E-05	0.000105397	8.99276E-05	0.000107707	0.000113575	5.56817E-05	0.000105397	8.37069E-05
0.000108084	3.55154E-05	0.000102138	8.29557E-05	0.000104719	0.000110479	5.36459E-05	0.000102138	7.75852E-05
0.00010583	3.48911E-05	9.96396E-05	8.25332E-05	0.000102381	0.000108026	5.23327E-05	9.96396E-05	7.71584E-05
0.000105066	3.39176E-05	9.92626E-05	8.16461E-05	0.000101803	0.000107448	5.17543E-05	9.92626E-05	7.6264E-05
0.000106764	3.40322E-05	0.000101234	8.67893E-05	0.000103612	0.000109367	5.25864E-05	0.000101234	8.05371E-05
0.000114093	3.60629E-05	0.000108125	8.52907E-05	0.00011071	0.000116885	5.59647E-05	0.000108125	7.90232E-05
0.000125985	3.90669E-05	0.000118777	8.42255E-05	0.000122019	0.000128915	6.0883E-05	0.000118777	7.79471E-05
0.000138955	4.55234E-05	0.000128829	8.33482E-05	0.000133616	0.00014112	6.709E-05	0.000128829	7.70646E-05
0.000148877	5.44622E-05	0.00013501	6.95542E-05	0.000141749	0.000149477	7.32316E-05	0.00013501	6.49929E-05
0.00014961	5.81713E-05	0.000134192	5.82963E-05	0.000141736	0.000149301	7.46574E-05	0.000134192	5.55073E-05
0.000146642	5.71682E-05	0.000129171	5.0643E-05	0.000137941	0.000145318	7.25396E-05	0.000129171	4.87135E-05
0.000139506	5.2313E-05	0.000121861	4.56716E-05	0.000130858	0.000137948	6.80041E-05	0.000121861	4.46438E-05
0.000127434	4.53359E-05	0.000113122	4.47704E-05	0.000120347	0.000126919	6.20721E-05	0.000113122	4.37372E-05
0.000117042	3.7472E-05	0.000106348	4.45913E-05	0.000111661	0.000117899	5.6353E-05	0.000106348	4.35602E-05
0.000103485	2.94229E-05	9.67447E-05	4.44926E-05	9.9948E-05	0.000105614	4.97107E-05	9.67447E-05	4.34648E-05
0.000100409	2.62791E-05	9.50101E-05	4.40506E-05	9.75123E-05	0.00010313	4.77064E-05	9.50101E-05	4.3017E-05
9.95384E-05	2.52164E-05	9.51249E-05	4.42556E-05	9.70763E-05	0.000102671	4.74696E-05	9.51249E-05	4.32272E-05
0.000101552	2.5507E-05	9.79075E-05	4.57019E-05	9.93991E-05	0.000105098	4.88744E-05	9.79075E-05	4.46947E-05
0.0001072	2.77198E-05	0.000103713	4.80185E-05	0.000105052	0.000111009	5.22379E-05	0.000103713	4.70366E-05
0.000114724	3.09236E-05	0.000110044	4.88741E-05	0.000112	0.000118332	5.58632E-05	0.000110044	4.78754E-05
0.000118938	3.48586E-05	0.000114833	9.05707E-05	0.000116349	0.000122801	5.91469E-05	0.000114833	8.44205E-05
0.00011834	3.64183E-05	0.000115837	9.01948E-05	0.000116372	0.000122719	6.00996E-05	0.000115837	8.40065E-05
0.000116741	3.67198E-05	0.000113494	9.07338E-05	0.000114457	0.000120687	5.92186E-05	0.000113494	8.45375E-05
0.000113765	3.68501E-05	0.000109396	9.05245E-05	0.000111013	0.000117049	5.75003E-05	0.000109396	8.43175E-05
0.000110943	3.68004E-05	0.000105397	8.99276E-05	0.000107707	0.000113575	5.56817E-05	0.000105397	8.37069E-05
0.000108084	3.55154E-05	0.000102138	8.29557E-05	0.000104719	0.000110479	5.36459E-05	0.000102138	7.75852E-05
0.00010583	3.48911E-05	9.96396E-05	8.25332E-05	0.000102381	0.000108026	5.23327E-05	9.96396E-05	7.71584E-05
0.000105066	3.39176E-05	9.92626E-05	8.16461E-05	0.000101803	0.000107448	5.17543E-05	9.92626E-05	7.6264E-05
0.000106764	3.40322E-05	0.000101234	8.67893E-05	0.000103612	0.000109367	5.25864E-05	0.000101234	8.05371E-05
0.000114093	3.60629E-05	0.000108125	8.52907E-05	0.00011071	0.000116885	5.59647E-05	0.000108125	7.90232E-05
0.000125985	3.90669E-05	0.000118777	8.42255E-05	0.000122019	0.000128915	6.0883E-05	0.000118777	7.79471E-05
0.000138955	4.55234E-05	0.000128829	8.33482E-05	0.000133616	0.00014112	6.709E-05	0.000128829	7.70646E-05
0.000148877	5.44622E-05	0.00013501	6.95542E-05	0.000141749	0.000149477	7.32316E-05	0.00013501	6.49929E-05
0.00014961	5.81713E-05	0.000134192	5.82963E-05	0.000141736	0.000149301	7.46574E-05	0.000134192	5.55073E-05
0.000146642	5.71682E-05	0.000129171	5.0643E-05	0.000137941	0.000145318	7.25396E-05	0.000129171	4.87135E-05
0.000139506	5.2313E-05	0.000121861	4.56716E-05	0.000130858	0.000137948	6.80041E-05	0.000121861	4.46438E-05
0.000127434	4.53359E-05	0.000113122	4.47704E-05	0.000120347	0.000126919	6.20721E-05	0.000113122	4.37372E-05

0.000117042	3.7472E-05	0.000106348	4.45913E-05	0.000111661	0.000117899	5.6353E-05	0.000106348	4.35602E-05
0.000103485	2.94229E-05	9.67447E-05	4.44926E-05	9.9948E-05	0.000105614	4.97107E-05	9.67447E-05	4.34648E-05
0.000100409	2.62791E-05	9.50101E-05	4.40506E-05	9.75123E-05	0.00010313	4.77064E-05	9.50101E-05	4.3017E-05
9.95384E-05	2.52164E-05	9.51249E-05	4.42556E-05	9.70763E-05	0.000102671	4.74696E-05	9.51249E-05	4.32272E-05
0.000101552	2.5507E-05	9.79075E-05	4.57019E-05	9.93991E-05	0.000105098	4.88744E-05	9.79075E-05	4.46947E-05
0.0001072	2.77198E-05	0.000103713	4.80185E-05	0.000105052	0.000111009	5.22379E-05	0.000103713	4.70366E-05
0.000114724	3.09236E-05	0.000110044	4.88741E-05	0.000112	0.000118332	5.58632E-05	0.000110044	4.78754E-05
0.000118938	3.48586E-05	0.000114833	9.05707E-05	0.000116349	0.000122801	5.91469E-05	0.000114833	8.44205E-05
0.00011834	3.64183E-05	0.000115837	9.01948E-05	0.000116372	0.000122719	6.00996E-05	0.000115837	8.40065E-05
0.000116741	3.67198E-05	0.000113494	9.07338E-05	0.000114457	0.000120687	5.92186E-05	0.000113494	8.45375E-05
0.000113765	3.68501E-05	0.000109396	9.05245E-05	0.000111013	0.000117049	5.75003E-05	0.000109396	8.43175E-05
0.000110943	3.68004E-05	0.000105397	8.99276E-05	0.000107707	0.000113575	5.56817E-05	0.000105397	8.37069E-05
0.000108084	3.55154E-05	0.000102138	8.29557E-05	0.000104719	0.000110479	5.36459E-05	0.000102138	7.75852E-05
0.00010583	3.48911E-05	9.96396E-05	8.25332E-05	0.000102381	0.000108026	5.23327E-05	9.96396E-05	7.71584E-05
0.000105066	3.39176E-05	9.92626E-05	8.16461E-05	0.000101803	0.000107448	5.17543E-05	9.92626E-05	7.6264E-05
0.000106764	3.40322E-05	0.000101234	8.67893E-05	0.000103612	0.000109367	5.25864E-05	0.000101234	8.05371E-05
0.000114093	3.60629E-05	0.000108125	8.52907E-05	0.00011071	0.000116885	5.59647E-05	0.000108125	7.90232E-05
0.000125985	3.90669E-05	0.000118777	8.42255E-05	0.000122019	0.000128915	6.0883E-05	0.000118777	7.79471E-05
0.000138955	4.55234E-05	0.000128829	8.33482E-05	0.000133616	0.00014112	6.709E-05	0.000128829	7.70646E-05
0.000148877	5.44622E-05	0.00013501	6.95542E-05	0.000141749	0.000149477	7.32316E-05	0.00013501	6.49929E-05
0.00014961	5.81713E-05	0.000134192	5.82963E-05	0.000141736	0.000149301	7.46574E-05	0.000134192	5.55073E-05
0.000146642	5.71682E-05	0.000129171	5.0643E-05	0.000137941	0.000145318	7.25396E-05	0.000129171	4.87135E-05
0.000139506	5.2313E-05	0.000121861	4.56716E-05	0.000130858	0.000137948	6.80041E-05	0.000121861	4.46438E-05
0.000127434	4.53359E-05	0.000113122	4.47704E-05	0.000120347	0.000126919	6.20721E-05	0.000113122	4.37372E-05
0.000117042	3.7472E-05	0.000106348	4.45913E-05	0.000111661	0.000117899	5.6353E-05	0.000106348	4.35602E-05
0.000103485	2.94229E-05	9.67447E-05	4.44926E-05	9.9948E-05	0.000105614	4.97107E-05	9.67447E-05	4.34648E-05
0.000100409	2.62791E-05	9.50101E-05	4.40506E-05	9.75123E-05	0.00010313	4.77064E-05	9.50101E-05	4.3017E-05
9.95384E-05	2.52164E-05	9.51249E-05	4.42556E-05	9.70763E-05	0.000102671	4.74696E-05	9.51249E-05	4.32272E-05
0.000101552	2.5507E-05	9.79075E-05	4.57019E-05	9.93991E-05	0.000105098	4.88744E-05	9.79075E-05	4.46947E-05
0.0001072	2.77198E-05	0.000103713	4.80185E-05	0.000105052	0.000111009	5.22379E-05	0.000103713	4.70366E-05
0.000114724	3.09236E-05	0.000110044	4.88741E-05	0.000112	0.000118332	5.58632E-05	0.000110044	4.78754E-05
0.000118938	3.48586E-05	0.000114833	9.05707E-05	0.000116349	0.000122801	5.91469E-05	0.000114833	8.44205E-05
0.00011834	3.64183E-05	0.000115837	9.01948E-05	0.000116372	0.000122719	6.00996E-05	0.000115837	8.40065E-05
0.000116741	3.67198E-05	0.000113494	9.07338E-05	0.000114457	0.000120687	5.92186E-05	0.000113494	8.45375E-05
0.000113765	3.68501E-05	0.000109396	9.05245E-05	0.000111013	0.000117049	5.75003E-05	0.000109396	8.43175E-05
0.000110943	3.68004E-05	0.000105397	8.99276E-05	0.000107707	0.000113575	5.56817E-05	0.000105397	8.37069E-05
0.000108084	3.55154E-05	0.000102138	8.29557E-05	0.000104719	0.000110479	5.36459E-05	0.000102138	7.75852E-05
0.00010583	3.48911E-05	9.96396E-05	8.25332E-05	0.000102381	0.000108026	5.23327E-05	9.96396E-05	7.71584E-05
0.000105066	3.39176E-05	9.92626E-05	8.16461E-05	0.000101803	0.000107448	5.17543E-05	9.92626E-05	7.6264E-05
0.000106764	3.40322E-05	0.000101234	8.67893E-05	0.000103612	0.000109367	5.25864E-05	0.000101234	8.05371E-05
0.000114093	3.60629E-05	0.000108125	8.52907E-05	0.00011071	0.000116885	5.59647E-05	0.000108125	7.90232E-05
0.000125985	3.90669E-05	0.000118777	8.42255E-05	0.000122019	0.000128915	6.0883E-05	0.000118777	7.79471E-05
0.000138955	4.55234E-05	0.000128829	8.33482E-05	0.000133616	0.00014112	6.709E-05	0.000128829	7.70646E-05
0.000148877	5.44622E-05	0.00013501	6.95542E-05	0.000141749	0.000149477	7.32316E-05	0.00013501	6.49929E-05
0.00014961	5.81713E-05	0.000134192	5.82963E-05	0.000141736	0.000149301	7.46574E-05	0.000134192	5.55073E-05
0.000146642	5.71682E-05	0.000129171	5.0643E-05	0.000137941	0.000145318	7.25396E-05	0.000129171	4.87135E-05
0.000139506	5.2313E-05	0.000121861	4.56716E-05	0.000130858	0.000137948	6.80041E-05	0.000121861	4.46438E-05
0.000127434	4.53359E-05	0.000113122	4.47704E-05	0.000120347	0.000126919	6.20721E-05	0.000113122	4.37372E-05
0.000117042	3.7472E-05	0.000106348	4.45913E-05	0.000111661	0.000117899	5.6353E-05	0.000106348	4.35602E-05
0.000102926	2.92832E-05	9.60815E-05	4.37916E-05	9.93497E-05	0.000104988	4.9363E-05	9.60815E-05	4.27515E-05
0.000100989	2.64082E-05	9.56268E-05	4.43448E-05	9.81042E-05	0.000103755	4.80057E-05	9.56268E-05	4.33156E-05
0.000100039	2.53172E-05	9.56098E-05	4.44789E-05	9.75684E-05	0.000103195	4.7687E-05	9.56098E-05	4.34538E-05
0.000102212	2.56502E-05	9.85924E-05	4.60185E-05	0.000100066	0.000105803	4.92004E-05	9.85924E-05	4.5016E-05
0.00010797	2.78844E-05	0.000104501	4.84443E-05	0.000105826	0.000111828	5.26087E-05	0.000104501	4.74682E-05
0.000115446	3.10788E-05	0.000110787	4.93512E-05	0.000112727	0.000119101	5.62144E-05	0.000110787	4.8359E-05
0.000121369	3.5084E-05	0.000115816	9.12066E-05	0.000118177	0.000124784	5.9593E-05	0.000115816	8.50645E-05
0.000119241	3.66244E-05	0.00011682	9.09667E-05	0.000117301	0.000123698	6.05864E-05	0.00011682	8.47873E-05
0.000117694	3.69322E-05	0.000114509	9.15629E-05	0.00011543	0.000121714	5.97116E-05	0.000114509	8.53757E-05
0.000114551	3.7044E-05	0.000110316	9.12813E-05	0.000111849	0.000117926	5.7979E-05	0.000110316	8.50816E-05
0.000111597	3.69758E-05	0.000106227	9.08009E-05	0.000108428	0.000114327	5.61349E-05	0.000106227	8.45885E-05
0.000108751	3.56902E-05	0.000102966	8.37594E-05	0.000105447	0.00011124	5.4092E-05	0.000102966	7.83954E-05
0.000106519	3.50772E-05	0.00010052	8.33241E-05	0.000103143	0.000108819	5.28156E-05	0.00010052	7.7955E-05
0.000105685	3.4084E-05	0.00010005	8.24201E-05	0.000102487	0.000108161	5.21847E-05	0.00010005	7.70441E-05
0.000107454	3.42151E-05	0.000102099	8.7516E-05	0.000104369	0.000110157	5.30563E-05	0.000102099	8.12697E-05
0.000114861	3.62527E-05	0.000109026	8.58779E-05	0.000111528	0.000117742	5.64338E-05	0.000109026	7.96148E-05
0.000126956	3.92777E-05	0.000119786	8.47175E-05	0.000123001	0.000129953	6.13635E-05	0.000119786	7.84427E-05
0.000140108	4.57673E-05	0.000129998	8.38155E-05	0.00013477	0.000142342	6.76358E-05	0.000129998	7.75361E-05
0.000150116	5.47234E-05	0.000136262	7.00037E-05	0.000142987	0.000150789	7.38144E-05	0.000136262	6.54471E-05
0.000150822	5.84223E-05	0.000135397	5.87328E-05	0.000142939	0.000150578	7.52103E-05	0.000135397	5.59488E-05
0.000145981	5.73119E-05	0.000129958	5.10704E-05	0.000137875	0.000145202	7.291E-05	0.000129958	4.9146E-05
0.000140292	5.24899E-05	0.000122705	4.60632E-05	0.000131664	0.000138798	6.84175E-05	0.000122705	4.50409E-05
0.000128152	4.54989E-05	0.0001139	4.50733E-05	0.000121085	0.000127698	6.24553E-05	0.0001139	4.40452E-05
0.000117603	3.75943E-05	0.000106933	4.47532E-05	0.000112228	0.000118499	5.66329E-05	0.000106933	4.37252E-05
0.000102926	2.92832E-05	9.60815E-05	4.37916E-05	9.93497E-05	0.000104988	4.9363E-05	9.60815E-05	4.27515E-05
0.000100989	2.64082E-05	9.56268E-05	4.43448E-05	9.81042E-05	0.000103755	4.80057E-05	9.56268E-05	4.33156E-05
0.000100039	2.53172E-05	9.56098E-05	4.44789E-05	9.75684E-05	0.000103195	4.7687E-05	9.56098E-05	4.34538E-05

0.000102212	2.56502E-05	9.85924E-05	4.60185E-05	0.000100066	0.000105803	4.92004E-05	9.85924E-05	4.5016E-05
0.00010797	2.78844E-05	0.000104501	4.84443E-05	0.000105826	0.000111828	5.26087E-05	0.000104501	4.74682E-05
0.000115446	3.10788E-05	0.000110787	4.93512E-05	0.000112727	0.000119101	5.62144E-05	0.000110787	4.8359E-05
0.000121369	3.5084E-05	0.000115816	9.12066E-05	0.000118177	0.000124784	5.9593E-05	0.000115816	8.50645E-05
0.000119241	3.66244E-05	0.00011682	9.09667E-05	0.000117301	0.000123698	6.05864E-05	0.00011682	8.47873E-05
0.000117694	3.69322E-05	0.000114509	9.15629E-05	0.00011543	0.000121714	5.97116E-05	0.000114509	8.53757E-05
0.000114551	3.7044E-05	0.000110316	9.12813E-05	0.000111849	0.000117926	5.7979E-05	0.000110316	8.50816E-05
0.000111597	3.69758E-05	0.000106227	9.08009E-05	0.000108428	0.000114327	5.61349E-05	0.000106227	8.45885E-05
0.000108751	3.56902E-05	0.000102966	8.37594E-05	0.000105447	0.00011124	5.4092E-05	0.000102966	7.83954E-05
0.000106519	3.50772E-05	0.00010052	8.33241E-05	0.000103143	0.000108819	5.28156E-05	0.00010052	7.7955E-05
0.000105685	3.4084E-05	0.00010005	8.24201E-05	0.000102487	0.000108161	5.21847E-05	0.00010005	7.70441E-05
0.000107454	3.42151E-05	0.000102099	8.7516E-05	0.000104369	0.000110157	5.30563E-05	0.000102099	8.12697E-05
0.000114861	3.62527E-05	0.000109026	8.58779E-05	0.000111528	0.000117742	5.64338E-05	0.000109026	7.96148E-05
0.000126956	3.92777E-05	0.000119786	8.47175E-05	0.000123001	0.000129953	6.13635E-05	0.000119786	7.84427E-05
0.000140108	4.57673E-05	0.000129998	8.38155E-05	0.00013477	0.000142342	6.76358E-05	0.000129998	7.75361E-05
0.000150116	5.47234E-05	0.000136262	7.00037E-05	0.000142987	0.000150789	7.38144E-05	0.000136262	6.54471E-05
0.000150822	5.84223E-05	0.000135397	5.87328E-05	0.000142939	0.000150578	7.52103E-05	0.000135397	5.59488E-05
0.000145981	5.73119E-05	0.000129958	5.10704E-05	0.000137875	0.000145202	7.291E-05	0.000129958	4.9146E-05
0.000140292	5.24899E-05	0.000122705	4.60632E-05	0.000131664	0.000138798	6.84175E-05	0.000122705	4.50409E-05
0.000128152	4.54989E-05	0.0001139	4.50733E-05	0.000121085	0.000127698	6.24553E-05	0.0001139	4.40452E-05
0.000117603	3.75943E-05	0.000106933	4.47532E-05	0.000112228	0.000118499	5.66329E-05	0.000106933	4.37252E-05
0.000103485	2.94229E-05	9.67447E-05	4.44926E-05	9.9948E-05	0.000105614	4.97107E-05	9.67447E-05	4.34648E-05
0.000100409	2.62791E-05	9.50101E-05	4.40506E-05	9.75123E-05	0.00010313	4.77064E-05	9.50101E-05	4.3017E-05
9.95384E-05	2.52164E-05	9.51249E-05	4.42556E-05	9.70763E-05	0.000102671	4.74696E-05	9.51249E-05	4.32272E-05
0.000101552	2.5507E-05	9.79075E-05	4.57019E-05	9.93991E-05	0.000105098	4.88744E-05	9.79075E-05	4.46947E-05
0.0001072	2.77198E-05	0.000103713	4.80185E-05	0.000105052	0.000111009	5.22379E-05	0.000103713	4.70366E-05
0.000114724	3.09236E-05	0.000110044	4.88741E-05	0.000112	0.000118332	5.58632E-05	0.000110044	4.78754E-05
0.000118938	3.48586E-05	0.000114833	9.05707E-05	0.000116349	0.000122801	5.91469E-05	0.000114833	8.44205E-05
0.00011834	3.64183E-05	0.000115837	9.01948E-05	0.000116372	0.000122719	6.00996E-05	0.000115837	8.40065E-05
0.000116741	3.67198E-05	0.000113494	9.07338E-05	0.000114457	0.000120687	5.92186E-05	0.000113494	8.45375E-05
0.000113765	3.68501E-05	0.000109396	9.05245E-05	0.000111013	0.000117049	5.75003E-05	0.000109396	8.43175E-05
0.000110943	3.68004E-05	0.000105397	8.99276E-05	0.000107707	0.000113575	5.56817E-05	0.000105397	8.37069E-05
0.000108084	3.55154E-05	0.000102138	8.29557E-05	0.000104719	0.000110479	5.36459E-05	0.000102138	7.75852E-05
0.00010583	3.48911E-05	9.96396E-05	8.25332E-05	0.000102381	0.000108026	5.23327E-05	9.96396E-05	7.71584E-05
0.000105066	3.39176E-05	9.92626E-05	8.16461E-05	0.000101803	0.000107448	5.17543E-05	9.92626E-05	7.6264E-05
0.000106764	3.40322E-05	0.000101234	8.67893E-05	0.000103612	0.000109367	5.25864E-05	0.000101234	8.05371E-05
0.000114093	3.60629E-05	0.000108125	8.52907E-05	0.00011071	0.000116885	5.59647E-05	0.000108125	7.90232E-05
0.000125985	3.90669E-05	0.000118777	8.42255E-05	0.000122019	0.000128915	6.0883E-05	0.000118777	7.79471E-05
0.000138955	4.55234E-05	0.000128829	8.33482E-05	0.000133616	0.00014112	6.709E-05	0.000128829	7.70646E-05
0.000148877	5.44622E-05	0.00013501	6.95542E-05	0.000141749	0.000149477	7.32316E-05	0.00013501	6.49929E-05
0.00014961	5.81713E-05	0.000134192	5.82963E-05	0.000141736	0.000149301	7.46574E-05	0.000134192	5.55073E-05
0.000146642	5.71682E-05	0.000129171	5.0643E-05	0.000137941	0.000145318	7.25396E-05	0.000129171	4.87135E-05
0.000139506	5.2313E-05	0.000121861	4.56716E-05	0.000130858	0.000137948	6.80041E-05	0.000121861	4.46438E-05
0.000127434	4.53359E-05	0.000113122	4.47704E-05	0.000120347	0.000126919	6.20721E-05	0.000113122	4.37372E-05
0.000117042	3.7472E-05	0.000106348	4.45913E-05	0.000111661	0.000117899	5.6353E-05	0.000106348	4.35602E-05
0.000103485	2.94229E-05	9.67447E-05	4.44926E-05	9.9948E-05	0.000105614	4.97107E-05	9.67447E-05	4.34648E-05
0.000100409	2.62791E-05	9.50101E-05	4.40506E-05	9.75123E-05	0.00010313	4.77064E-05	9.50101E-05	4.3017E-05
9.95384E-05	2.52164E-05	9.51249E-05	4.42556E-05	9.70763E-05	0.000102671	4.74696E-05	9.51249E-05	4.32272E-05
0.000101552	2.5507E-05	9.79075E-05	4.57019E-05	9.93991E-05	0.000105098	4.88744E-05	9.79075E-05	4.46947E-05
0.0001072	2.77198E-05	0.000103713	4.80185E-05	0.000105052	0.000111009	5.22379E-05	0.000103713	4.70366E-05
0.000114724	3.09236E-05	0.000110044	4.88741E-05	0.000112	0.000118332	5.58632E-05	0.000110044	4.78754E-05
0.000118938	3.48586E-05	0.000114833	9.05707E-05	0.000116349	0.000122801	5.91469E-05	0.000114833	8.44205E-05
0.00011834	3.64183E-05	0.000115837	9.01948E-05	0.000116372	0.000122719	6.00996E-05	0.000115837	8.40065E-05
0.000116741	3.67198E-05	0.000113494	9.07338E-05	0.000114457	0.000120687	5.92186E-05	0.000113494	8.45375E-05
0.000113765	3.68501E-05	0.000109396	9.05245E-05	0.000111013	0.000117049	5.75003E-05	0.000109396	8.43175E-05
0.000110943	3.68004E-05	0.000105397	8.99276E-05	0.000107707	0.000113575	5.56817E-05	0.000105397	8.37069E-05
0.000108084	3.55154E-05	0.000102138	8.29557E-05	0.000104719	0.000110479	5.36459E-05	0.000102138	7.75852E-05
0.00010583	3.48911E-05	9.96396E-05	8.25332E-05	0.000102381	0.000108026	5.23327E-05	9.96396E-05	7.71584E-05
0.000105066	3.39176E-05	9.92626E-05	8.16461E-05	0.000101803	0.000107448	5.17543E-05	9.92626E-05	7.6264E-05
0.000106764	3.40322E-05	0.000101234	8.67893E-05	0.000103612	0.000109367	5.25864E-05	0.000101234	8.05371E-05
0.000114093	3.60629E-05	0.000108125	8.52907E-05	0.00011071	0.000116885	5.59647E-05	0.000108125	7.90232E-05
0.000125985	3.90669E-05	0.000118777	8.42255E-05	0.000122019	0.000128915	6.0883E-05	0.000118777	7.79471E-05
0.000138955	4.55234E-05	0.000128829	8.33482E-05	0.000133616	0.00014112	6.709E-05	0.000128829	7.70646E-05
0.000148877	5.44622E-05	0.00013501	6.95542E-05	0.000141749	0.000149477	7.32316E-05	0.00013501	6.49929E-05
0.00014961	5.81713E-05	0.000134192	5.82963E-05	0.000141736	0.000149301	7.46574E-05	0.000134192	5.55073E-05
0.000146642	5.71682E-05	0.000129171	5.0643E-05	0.000137941	0.000145318	7.25396E-05	0.000129171	4.87135E-05
0.000139506	5.2313E-05	0.000121861	4.56716E-05	0.000130858	0.000137948	6.80041E-05	0.000121861	4.46438E-05
0.000127434	4.53359E-05	0.000113122	4.47704E-05	0.000120347	0.000126919	6.20721E-05	0.000113122	4.37372E-05
0.000117042	3.7472E-05	0.000106348	4.45913E-05	0.000111661	0.000117899	5.6353E-05	0.000106348	4.35602E-05
0.000103485	2.94229E-05	9.67447E-05	4.44926E-05	9.9948E-05	0.000105614	4.97107E-05	9.67447E-05	4.34648E-05
0.000100409	2.62791E-05	9.50101E-05	4.40506E-05	9.75123E-05	0.00010313	4.77064E-05	9.50101E-05	4.3017E-05
9.95384E-05	2.52164E-05	9.51249E-05	4.42556E-05	9.70763E-05	0.000102671	4.74696E-05	9.51249E-05	4.32272E-05
0.000101552	2.5507E-05	9.79075E-05	4.57019E-05	9.93991E-05	0.000105098	4.88744E-05	9.79075E-05	4.46947E-05
0.0001072	2.77198E-05	0.000103713	4.80185E-05	0.000105052	0.000111009	5.22379E-05	0.000103713	4.70366E-05
0.000114724	3.09236E-05	0.000110044	4.88741E-05	0.000112	0.000118332	5.58632E-05	0.000110044	4.78754E-05
0.000118938	3.48586E-05	0.000114833	9.05707E-05	0.000116349	0.000122801	5.91469E-05	0.000114833	8.44205E-05

0.00011834	3.64183E-05	0.000115837	9.01948E-05	0.000116372	0.000122719	6.00996E-05	0.000115837	8.40065E-05
0.000116741	3.67198E-05	0.000113494	9.07338E-05	0.000114457	0.000120687	5.92186E-05	0.000113494	8.45375E-05
0.000113765	3.68501E-05	0.000109396	9.05245E-05	0.000111013	0.000117049	5.75003E-05	0.000109396	8.43175E-05
0.000110943	3.68004E-05	0.000105397	8.99276E-05	0.000107707	0.000113575	5.56817E-05	0.000105397	8.37069E-05
0.000108084	3.55154E-05	0.000102138	8.29557E-05	0.000104719	0.000110479	5.36459E-05	0.000102138	7.75852E-05
0.00010583	3.48911E-05	9.96396E-05	8.25332E-05	0.000102381	0.000108026	5.23327E-05	9.96396E-05	7.71584E-05
0.000105066	3.39176E-05	9.92626E-05	8.16461E-05	0.000101803	0.000107448	5.17543E-05	9.92626E-05	7.6264E-05
0.000106764	3.40322E-05	0.000101234	8.67893E-05	0.000103612	0.000109367	5.25864E-05	0.000101234	8.05371E-05
0.000114093	3.60629E-05	0.000108125	8.52907E-05	0.00011071	0.000116885	5.59647E-05	0.000108125	7.90232E-05
0.000125985	3.90669E-05	0.000118777	8.42255E-05	0.000122019	0.000128915	6.0883E-05	0.000118777	7.79471E-05
0.000138955	4.55234E-05	0.000128829	8.33482E-05	0.000133616	0.00014112	6.709E-05	0.000128829	7.70646E-05
0.000148877	5.44622E-05	0.00013501	6.95542E-05	0.000141749	0.000149477	7.32316E-05	0.00013501	6.49929E-05
0.00014961	5.81713E-05	0.000134192	5.82963E-05	0.000141736	0.000149301	7.46574E-05	0.000134192	5.55073E-05
0.000146642	5.71682E-05	0.000129171	5.0643E-05	0.000137941	0.000145318	7.25396E-05	0.000129171	4.87135E-05
0.000139506	5.2313E-05	0.000121861	4.56716E-05	0.000130858	0.000137948	6.80041E-05	0.000121861	4.46438E-05
0.000127434	4.53359E-05	0.000113122	4.47704E-05	0.000120347	0.000126919	6.20721E-05	0.000113122	4.37372E-05
0.000117042	3.7472E-05	0.000106348	4.45913E-05	0.000111661	0.000117899	5.6353E-05	0.000106348	4.35602E-05
0.000103485	2.94229E-05	9.67447E-05	4.44926E-05	9.9948E-05	0.000105614	4.97107E-05	9.67447E-05	4.34648E-05
0.000100409	2.62791E-05	9.50101E-05	4.40506E-05	9.75123E-05	0.00010313	4.77064E-05	9.50101E-05	4.3017E-05
9.95384E-05	2.52164E-05	9.51249E-05	4.42556E-05	9.70763E-05	0.000102671	4.74696E-05	9.51249E-05	4.32272E-05
0.000101552	2.5507E-05	9.79075E-05	4.57019E-05	9.93991E-05	0.000105098	4.88744E-05	9.79075E-05	4.46947E-05
0.0001072	2.77198E-05	0.000103713	4.80185E-05	0.000105052	0.000111009	5.22379E-05	0.000103713	4.70366E-05
0.000114724	3.09236E-05	0.000110044	4.88741E-05	0.000112	0.000118332	5.58632E-05	0.000110044	4.78754E-05
0.000118938	3.48586E-05	0.000114833	9.05707E-05	0.000116349	0.000122801	5.91469E-05	0.000114833	8.44205E-05
0.00011834	3.64183E-05	0.000115837	9.01948E-05	0.000116372	0.000122719	6.00996E-05	0.000115837	8.40065E-05
0.000116741	3.67198E-05	0.000113494	9.07338E-05	0.000114457	0.000120687	5.92186E-05	0.000113494	8.45375E-05
0.000113765	3.68501E-05	0.000109396	9.05245E-05	0.000111013	0.000117049	5.75003E-05	0.000109396	8.43175E-05
0.000110943	3.68004E-05	0.000105397	8.99276E-05	0.000107707	0.000113575	5.56817E-05	0.000105397	8.37069E-05
0.000108084	3.55154E-05	0.000102138	8.29557E-05	0.000104719	0.000110479	5.36459E-05	0.000102138	7.75852E-05
0.00010583	3.48911E-05	9.96396E-05	8.25332E-05	0.000102381	0.000108026	5.23327E-05	9.96396E-05	7.71584E-05
0.000105066	3.39176E-05	9.92626E-05	8.16461E-05	0.000101803	0.000107448	5.17543E-05	9.92626E-05	7.6264E-05
0.000106764	3.40322E-05	0.000101234	8.67893E-05	0.000103612	0.000109367	5.25864E-05	0.000101234	8.05371E-05
0.000114093	3.60629E-05	0.000108125	8.52907E-05	0.00011071	0.000116885	5.59647E-05	0.000108125	7.90232E-05
0.000125985	3.90669E-05	0.000118777	8.42255E-05	0.000122019	0.000128915	6.0883E-05	0.000118777	7.79471E-05
0.000138955	4.55234E-05	0.000128829	8.33482E-05	0.000133616	0.00014112	6.709E-05	0.000128829	7.70646E-05
0.000148877	5.44622E-05	0.00013501	6.95542E-05	0.000141749	0.000149477	7.32316E-05	0.00013501	6.49929E-05
0.00014961	5.81713E-05	0.000134192	5.82963E-05	0.000141736	0.000149301	7.46574E-05	0.000134192	5.55073E-05
0.000146642	5.71682E-05	0.000129171	5.0643E-05	0.000137941	0.000145318	7.25396E-05	0.000129171	4.87135E-05
0.000139506	5.2313E-05	0.000121861	4.56716E-05	0.000130858	0.000137948	6.80041E-05	0.000121861	4.46438E-05
0.000127434	4.53359E-05	0.000113122	4.47704E-05	0.000120347	0.000126919	6.20721E-05	0.000113122	4.37372E-05
0.000117042	3.7472E-05	0.000106348	4.45913E-05	0.000111661	0.000117899	5.6353E-05	0.000106348	4.35602E-05
0.000103485	2.94229E-05	9.67447E-05	4.44926E-05	9.9948E-05	0.000105614	4.97107E-05	9.67447E-05	4.34648E-05
0.000100409	2.62791E-05	9.50101E-05	4.40506E-05	9.75123E-05	0.00010313	4.77064E-05	9.50101E-05	4.3017E-05
9.95384E-05	2.52164E-05	9.51249E-05	4.42556E-05	9.70763E-05	0.000102671	4.74696E-05	9.51249E-05	4.32272E-05
0.000101552	2.5507E-05	9.79075E-05	4.57019E-05	9.93991E-05	0.000105098	4.88744E-05	9.79075E-05	4.46947E-05
0.0001072	2.77198E-05	0.000103713	4.80185E-05	0.000105052	0.000111009	5.22379E-05	0.000103713	4.70366E-05
0.000114724	3.09236E-05	0.000110044	4.88741E-05	0.000112	0.000118332	5.58632E-05	0.000110044	4.78754E-05
0.000118938	3.48586E-05	0.000114833	9.05707E-05	0.000116349	0.000122801	5.91469E-05	0.000114833	8.44205E-05
0.00011834	3.64183E-05	0.000115837	9.01948E-05	0.000116372	0.000122719	6.00996E-05	0.000115837	8.40065E-05
0.000116741	3.67198E-05	0.000113494	9.07338E-05	0.000114457	0.000120687	5.92186E-05	0.000113494	8.45375E-05
0.000113765	3.68501E-05	0.000109396	9.05245E-05	0.000111013	0.000117049	5.75003E-05	0.000109396	8.43175E-05
0.000110943	3.68004E-05	0.000105397	8.99276E-05	0.000107707	0.000113575	5.56817E-05	0.000105397	8.37069E-05
0.000108084	3.55154E-05	0.000102138	8.29557E-05	0.000104719	0.000110479	5.36459E-05	0.000102138	7.75852E-05
0.00010583	3.48911E-05	9.96396E-05	8.25332E-05	0.000102381	0.000108026	5.23327E-05	9.96396E-05	7.71584E-05
0.000105066	3.39176E-05	9.92626E-05	8.16461E-05	0.000101803	0.000107448	5.17543E-05	9.92626E-05	7.6264E-05
0.000106764	3.40322E-05	0.000101234	8.67893E-05	0.000103612	0.000109367	5.25864E-05	0.000101234	8.05371E-05
0.000114093	3.60629E-05	0.000108125	8.52907E-05	0.00011071	0.000116885	5.59647E-05	0.000108125	7.90232E-05
0.000125985	3.90669E-05	0.000118777	8.42255E-05	0.000122019	0.000128915	6.0883E-05	0.000118777	7.79471E-05
0.000138955	4.55234E-05	0.000128829	8.33482E-05	0.000133616	0.00014112	6.709E-05	0.000128829	7.70646E-05
0.000148877	5.44622E-05	0.00013501	6.95542E-05	0.000141749	0.000149477	7.32316E-05	0.00013501	6.49929E-05
0.00014961	5.81713E-05	0.000134192	5.82963E-05	0.000141736	0.000149301	7.46574E-05	0.000134192	5.55073E-05
0.000146642	5.71682E-05	0.000129171	5.0643E-05	0.000137941	0.000145318	7.25396E-05	0.000129171	4.87135E-05
0.000139506	5.2313E-05	0.000121861	4.56716E-05	0.000130858	0.000137948	6.80041E-05	0.000121861	4.46438E-05
0.000127434	4.53359E-05	0.000113122	4.47704E-05	0.000120347	0.000126919	6.20721E-05	0.000113122	4.37372E-05
0.000117042	3.7472E-05	0.000106348	4.45913E-05	0.000111661	0.000117899	5.6353E-05	0.000106348	4.35602E-05
0.000102926	2.92832E-05	9.60815E-05	4.37916E-05	9.93497E-05	0.000104988	4.9363E-05	9.60815E-05	4.27515E-05
0.000100989	2.64082E-05	9.56268E-05	4.43448E-05	9.81042E-05	0.000103755	4.80057E-05	9.56268E-05	4.33156E-05
0.000100039	2.53172E-05	9.56098E-05	4.44789E-05	9.75684E-05	0.000103195	4.7687E-05	9.56098E-05	4.34538E-05
0.000102212	2.56502E-05	9.85924E-05	4.60185E-05	0.000100066	0.000105803	4.92004E-05	9.85924E-05	4.5016E-05
0.00010797	2.78844E-05	0.000104501	4.84443E-05	0.000105826	0.000111828	5.26087E-05	0.000104501	4.74682E-05
0.000115446	3.10788E-05	0.000110787	4.93512E-05	0.000112727	0.000119101	5.62144E-05	0.000110787	4.8359E-05
0.000121369	3.5084E-05	0.000115816	9.12066E-05	0.000118177	0.000124784	5.9593E-05	0.000115816	8.50645E-05
0.000119241	3.66244E-05	0.00011682	9.09667E-05	0.000117301	0.000123698	6.05864E-05	0.00011682	8.47873E-05
0.000117694	3.69322E-05	0.000114509	9.15629E-05	0.00011543	0.000121714	5.97116E-05	0.000114509	8.53757E-05
0.000114551	3.7044E-05	0.000110316	9.12813E-05	0.000111849	0.000117926	5.7979E-05	0.000110316	8.50816E-05
0.000111597	3.69758E-05	0.000106227	9.08009E-05	0.000108428	0.000114327	5.61349E-05	0.000106227	8.45885E-05

0.000108751	3.56902E-05	0.000102966	8.37594E-05	0.000105447	0.00011124	5.4092E-05	0.000102966	7.83954E-05
0.000106519	3.50772E-05	0.00010052	8.33241E-05	0.000103143	0.000108819	5.28156E-05	0.00010052	7.7955E-05
0.000105685	3.4084E-05	0.00010005	8.24201E-05	0.000102487	0.000108161	5.21847E-05	0.00010005	7.70441E-05
0.000107454	3.42151E-05	0.000102099	8.7516E-05	0.000104369	0.000110157	5.30563E-05	0.000102099	8.12697E-05
0.000114861	3.62527E-05	0.000109026	8.58779E-05	0.000111528	0.000117742	5.64338E-05	0.000109026	7.96148E-05
0.000126956	3.92777E-05	0.000119786	8.47175E-05	0.000123001	0.000129953	6.13635E-05	0.000119786	7.84427E-05
0.000140108	4.57673E-05	0.000129998	8.38155E-05	0.00013477	0.000142342	6.76358E-05	0.000129998	7.75361E-05
0.000150116	5.47234E-05	0.000136262	7.00037E-05	0.000142987	0.000150789	7.38144E-05	0.000136262	6.54471E-05
0.000150822	5.84223E-05	0.000135397	5.87328E-05	0.000142939	0.000150578	7.52103E-05	0.000135397	5.59488E-05
0.000145981	5.73119E-05	0.000129958	5.10704E-05	0.000137875	0.000145202	7.291E-05	0.000129958	4.9146E-05
0.000140292	5.24899E-05	0.000122705	4.60632E-05	0.000131664	0.000138798	6.84175E-05	0.000122705	4.50409E-05
0.000128152	4.54989E-05	0.0001139	4.50733E-05	0.000121085	0.000127698	6.24553E-05	0.0001139	4.40452E-05
0.000117603	3.75943E-05	0.000106933	4.47532E-05	0.000112228	0.000118499	5.66329E-05	0.000106933	4.37252E-05
0.000102926	2.92832E-05	9.60815E-05	4.37916E-05	9.93497E-05	0.000104988	4.9363E-05	9.60815E-05	4.27515E-05
0.000100989	2.64082E-05	9.56268E-05	4.43448E-05	9.81042E-05	0.000103755	4.80057E-05	9.56268E-05	4.33156E-05
0.000100039	2.53172E-05	9.56098E-05	4.44789E-05	9.75684E-05	0.000103195	4.7687E-05	9.56098E-05	4.34538E-05
0.000102212	2.56502E-05	9.85924E-05	4.60185E-05	0.000100066	0.000105803	4.92004E-05	9.85924E-05	4.5016E-05
0.00010797	2.78844E-05	0.000104501	4.84443E-05	0.000105826	0.000111828	5.26087E-05	0.000104501	4.74682E-05
0.000115446	3.10788E-05	0.000110787	4.93512E-05	0.000112727	0.000119101	5.62144E-05	0.000110787	4.8359E-05
0.000121369	3.5084E-05	0.000115816	9.12066E-05	0.000118177	0.000124784	5.9593E-05	0.000115816	8.50645E-05
0.000119241	3.66244E-05	0.00011682	9.09667E-05	0.000117301	0.000123698	6.05864E-05	0.00011682	8.47873E-05
0.000117694	3.69322E-05	0.000114509	9.15629E-05	0.00011543	0.000121714	5.97116E-05	0.000114509	8.53757E-05
0.000114551	3.7044E-05	0.000110316	9.12813E-05	0.000111849	0.000117926	5.7979E-05	0.000110316	8.50816E-05
0.000111597	3.69758E-05	0.000106227	9.08009E-05	0.000108428	0.000114327	5.61349E-05	0.000106227	8.45885E-05
0.000108751	3.56902E-05	0.000102966	8.37594E-05	0.000105447	0.00011124	5.4092E-05	0.000102966	7.83954E-05
0.000106519	3.50772E-05	0.00010052	8.33241E-05	0.000103143	0.000108819	5.28156E-05	0.00010052	7.7955E-05
0.000105685	3.4084E-05	0.00010005	8.24201E-05	0.000102487	0.000108161	5.21847E-05	0.00010005	7.70441E-05
0.000107454	3.42151E-05	0.000102099	8.7516E-05	0.000104369	0.000110157	5.30563E-05	0.000102099	8.12697E-05
0.000114861	3.62527E-05	0.000109026	8.58779E-05	0.000111528	0.000117742	5.64338E-05	0.000109026	7.96148E-05
0.000126956	3.92777E-05	0.000119786	8.47175E-05	0.000123001	0.000129953	6.13635E-05	0.000119786	7.84427E-05
0.000140108	4.57673E-05	0.000129998	8.38155E-05	0.00013477	0.000142342	6.76358E-05	0.000129998	7.75361E-05
0.000150116	5.47234E-05	0.000136262	7.00037E-05	0.000142987	0.000150789	7.38144E-05	0.000136262	6.54471E-05
0.000150822	5.84223E-05	0.000135397	5.87328E-05	0.000142939	0.000150578	7.52103E-05	0.000135397	5.59488E-05
0.000145981	5.73119E-05	0.000129958	5.10704E-05	0.000137875	0.000145202	7.291E-05	0.000129958	4.9146E-05
0.000140292	5.24899E-05	0.000122705	4.60632E-05	0.000131664	0.000138798	6.84175E-05	0.000122705	4.50409E-05
0.000128152	4.54989E-05	0.0001139	4.50733E-05	0.000121085	0.000127698	6.24553E-05	0.0001139	4.40452E-05
0.000117603	3.75943E-05	0.000106933	4.47532E-05	0.000112228	0.000118499	5.66329E-05	0.000106933	4.37252E-05
0.000102926	2.92832E-05	9.60815E-05	4.37916E-05	9.93497E-05	0.000104988	4.9363E-05	9.60815E-05	4.27515E-05
0.000100989	2.64082E-05	9.56268E-05	4.43448E-05	9.81042E-05	0.000103755	4.80057E-05	9.56268E-05	4.33156E-05
0.000100039	2.53172E-05	9.56098E-05	4.44789E-05	9.75684E-05	0.000103195	4.7687E-05	9.56098E-05	4.34538E-05
0.000102212	2.56502E-05	9.85924E-05	4.60185E-05	0.000100066	0.000105803	4.92004E-05	9.85924E-05	4.5016E-05
0.00010797	2.78844E-05	0.000104501	4.84443E-05	0.000105826	0.000111828	5.26087E-05	0.000104501	4.74682E-05
0.000115446	3.10788E-05	0.000110787	4.93512E-05	0.000112727	0.000119101	5.62144E-05	0.000110787	4.8359E-05
0.000121369	3.5084E-05	0.000115816	9.12066E-05	0.000118177	0.000124784	5.9593E-05	0.000115816	8.50645E-05
0.000119241	3.66244E-05	0.00011682	9.09667E-05	0.000117301	0.000123698	6.05864E-05	0.00011682	8.47873E-05
0.000117694	3.69322E-05	0.000114509	9.15629E-05	0.00011543	0.000121714	5.97116E-05	0.000114509	8.53757E-05
0.000114551	3.7044E-05	0.000110316	9.12813E-05	0.000111849	0.000117926	5.7979E-05	0.000110316	8.50816E-05
0.000111597	3.69758E-05	0.000106227	9.08009E-05	0.000108428	0.000114327	5.61349E-05	0.000106227	8.45885E-05
0.000108751	3.56902E-05	0.000102966	8.37594E-05	0.000105447	0.00011124	5.4092E-05	0.000102966	7.83954E-05
0.000106519	3.50772E-05	0.00010052	8.33241E-05	0.000103143	0.000108819	5.28156E-05	0.00010052	7.7955E-05
0.000105685	3.4084E-05	0.00010005	8.24201E-05	0.000102487	0.000108161	5.21847E-05	0.00010005	7.70441E-05
0.000107454	3.42151E-05	0.000102099	8.7516E-05	0.000104369	0.000110157	5.30563E-05	0.000102099	8.12697E-05
0.000114861	3.62527E-05	0.000109026	8.58779E-05	0.000111528	0.000117742	5.64338E-05	0.000109026	7.96148E-05
0.000126956	3.92777E-05	0.000119786	8.47175E-05	0.000123001	0.000129953	6.13635E-05	0.000119786	7.84427E-05
0.000140108	4.57673E-05	0.000129998	8.38155E-05	0.00013477	0.000142342	6.76358E-05	0.000129998	7.75361E-05
0.000150116	5.47234E-05	0.000136262	7.00037E-05	0.000142987	0.000150789	7.38144E-05	0.000136262	6.54471E-05
0.000150822	5.84223E-05	0.000135397	5.87328E-05	0.000142939	0.000150578	7.52103E-05	0.000135397	5.59488E-05
0.000145981	5.73119E-05	0.000129958	5.10704E-05	0.000137875	0.000145202	7.291E-05	0.000129958	4.9146E-05
0.000140292	5.24899E-05	0.000122705	4.60632E-05	0.000131664	0.000138798	6.84175E-05	0.000122705	4.50409E-05
0.000128152	4.54989E-05	0.0001139	4.50733E-05	0.000121085	0.000127698	6.24553E-05	0.0001139	4.40452E-05
0.000117603	3.75943E-05	0.000106933	4.47532E-05	0.000112228	0.000118499	5.66329E-05	0.000106933	4.37252E-05
0.000103485	2.94229E-05	9.67447E-05	4.44926E-05	9.9948E-05	0.000105614	4.97107E-05	9.67447E-05	4.34648E-05
0.000100409	2.62791E-05	9.50101E-05	4.40506E-05	9.75123E-05	0.00010313	4.77064E-05	9.50101E-05	4.3017E-05
9.95384E-05	2.52164E-05	9.51249E-05	4.42556E-05	9.70763E-05	0.000102671	4.74696E-05	9.51249E-05	4.32272E-05
0.000101552	2.5507E-05	9.79075E-05	4.57019E-05	9.93991E-05	0.000105098	4.88744E-05	9.79075E-05	4.46947E-05
0.0001072	2.77198E-05	0.000103713	4.80185E-05	0.000105052	0.000111009	5.22379E-05	0.000103713	4.70366E-05
0.000114724	3.09236E-05	0.000110044	4.88741E-05	0.000112	0.000118332	5.58632E-05	0.000110044	4.78754E-05
0.000118938	3.48586E-05	0.000114833	9.05707E-05	0.000116349	0.000122801	5.91469E-05	0.000114833	8.44205E-05
0.00011834	3.64183E-05	0.000115837	9.01948E-05	0.000116372	0.000122719	6.00996E-05	0.000115837	8.40065E-05
0.000116741	3.67198E-05	0.000113494	9.07338E-05	0.000114457	0.000120687	5.92186E-05	0.000113494	8.45375E-05
0.000113765	3.68501E-05	0.000109396	9.05245E-05	0.000111013	0.000117049	5.75003E-05	0.000109396	8.43175E-05
0.000110943	3.68004E-05	0.000105397	8.99276E-05	0.000107707	0.000113575	5.56817E-05	0.000105397	8.37069E-05
0.000108084	3.55154E-05	0.000102138	8.29557E-05	0.000104719	0.000110479	5.36459E-05	0.000102138	7.75852E-05
0.00010583	3.48911E-05	9.96396E-05	8.25332E-05	0.000102381	0.000108026	5.23327E-05	9.96396E-05	7.71584E-05
0.000105066	3.39176E-05	9.92626E-05	8.16461E-05	0.000101803	0.000107448	5.17543E-05	9.92626E-05	7.6264E-05
0.000106764	3.40322E-05	0.000101234	8.67893E-05	0.000103612	0.000109367	5.25864E-05	0.000101234	8.05371E-05

0.000114093	3.60629E-05	0.000108125	8.52907E-05	0.00011071	0.000116885	5.59647E-05	0.000108125	7.90232E-05
0.000125985	3.90669E-05	0.000118777	8.42255E-05	0.000122019	0.000128915	6.0883E-05	0.000118777	7.79471E-05
0.000138955	4.55234E-05	0.000128829	8.33482E-05	0.000133616	0.00014112	6.709E-05	0.000128829	7.70646E-05
0.000148877	5.44622E-05	0.00013501	6.95542E-05	0.000141749	0.000149477	7.32316E-05	0.00013501	6.49929E-05
0.00014961	5.81713E-05	0.000134192	5.82963E-05	0.000141736	0.000149301	7.46574E-05	0.000134192	5.55073E-05
0.000146642	5.71682E-05	0.000129171	5.0643E-05	0.000137941	0.000145318	7.25396E-05	0.000129171	4.87135E-05
0.000139506	5.2313E-05	0.000121861	4.56716E-05	0.000130858	0.000137948	6.80041E-05	0.000121861	4.46438E-05
0.000127434	4.53359E-05	0.000113122	4.47704E-05	0.000120347	0.000126919	6.20721E-05	0.000113122	4.37372E-05
0.000117042	3.7472E-05	0.000106348	4.45913E-05	0.000111661	0.000117899	5.6353E-05	0.000106348	4.35602E-05
0.000103485	2.94229E-05	9.67447E-05	4.44926E-05	9.9948E-05	0.000105614	4.97107E-05	9.67447E-05	4.34648E-05
0.000100409	2.62791E-05	9.50101E-05	4.40506E-05	9.75123E-05	0.00010313	4.77064E-05	9.50101E-05	4.3017E-05
9.95384E-05	2.52164E-05	9.51249E-05	4.42556E-05	9.70763E-05	0.000102671	4.74696E-05	9.51249E-05	4.32272E-05
0.000101552	2.5507E-05	9.79075E-05	4.57019E-05	9.93991E-05	0.000105098	4.88744E-05	9.79075E-05	4.46947E-05
0.0001072	2.77198E-05	0.000103713	4.80185E-05	0.000105052	0.000111009	5.22379E-05	0.000103713	4.70366E-05
0.000114724	3.09236E-05	0.000110044	4.88741E-05	0.000112	0.000118332	5.58632E-05	0.000110044	4.78754E-05
0.000118938	3.48586E-05	0.000114833	9.05707E-05	0.000116349	0.000122801	5.91469E-05	0.000114833	8.44205E-05
0.00011834	3.64183E-05	0.000115837	9.01948E-05	0.000116372	0.000122719	6.00996E-05	0.000115837	8.40065E-05
0.000116741	3.67198E-05	0.000113494	9.07338E-05	0.000114457	0.000120687	5.92186E-05	0.000113494	8.45375E-05
0.000113765	3.68501E-05	0.000109396	9.05245E-05	0.000111013	0.000117049	5.75003E-05	0.000109396	8.43175E-05
0.000110943	3.68004E-05	0.000105397	8.99276E-05	0.000107707	0.000113575	5.56817E-05	0.000105397	8.37069E-05
0.000108084	3.55154E-05	0.000102138	8.29557E-05	0.000104719	0.000110479	5.36459E-05	0.000102138	7.75852E-05
0.00010583	3.48911E-05	9.96396E-05	8.25332E-05	0.000102381	0.000108026	5.23327E-05	9.96396E-05	7.71584E-05
0.000105066	3.39176E-05	9.92626E-05	8.16461E-05	0.000101803	0.000107448	5.17543E-05	9.92626E-05	7.6264E-05
0.000106764	3.40322E-05	0.000101234	8.67893E-05	0.000103612	0.000109367	5.25864E-05	0.000101234	8.05371E-05
0.000114093	3.60629E-05	0.000108125	8.52907E-05	0.00011071	0.000116885	5.59647E-05	0.000108125	7.90232E-05
0.000125985	3.90669E-05	0.000118777	8.42255E-05	0.000122019	0.000128915	6.0883E-05	0.000118777	7.79471E-05
0.000138955	4.55234E-05	0.000128829	8.33482E-05	0.000133616	0.00014112	6.709E-05	0.000128829	7.70646E-05
0.000148877	5.44622E-05	0.00013501	6.95542E-05	0.000141749	0.000149477	7.32316E-05	0.00013501	6.49929E-05
0.00014961	5.81713E-05	0.000134192	5.82963E-05	0.000141736	0.000149301	7.46574E-05	0.000134192	5.55073E-05
0.000146642	5.71682E-05	0.000129171	5.0643E-05	0.000137941	0.000145318	7.25396E-05	0.000129171	4.87135E-05
0.000139506	5.2313E-05	0.000121861	4.56716E-05	0.000130858	0.000137948	6.80041E-05	0.000121861	4.46438E-05
0.000127434	4.53359E-05	0.000113122	4.47704E-05	0.000120347	0.000126919	6.20721E-05	0.000113122	4.37372E-05
0.000117042	3.7472E-05	0.000106348	4.45913E-05	0.000111661	0.000117899	5.6353E-05	0.000106348	4.35602E-05
0.000103485	2.94229E-05	9.67447E-05	4.44926E-05	9.9948E-05	0.000105614	4.97107E-05	9.67447E-05	4.34648E-05
0.000100409	2.62791E-05	9.50101E-05	4.40506E-05	9.75123E-05	0.00010313	4.77064E-05	9.50101E-05	4.3017E-05
9.95384E-05	2.52164E-05	9.51249E-05	4.42556E-05	9.70763E-05	0.000102671	4.74696E-05	9.51249E-05	4.32272E-05
0.000101552	2.5507E-05	9.79075E-05	4.57019E-05	9.93991E-05	0.000105098	4.88744E-05	9.79075E-05	4.46947E-05
0.0001072	2.77198E-05	0.000103713	4.80185E-05	0.000105052	0.000111009	5.22379E-05	0.000103713	4.70366E-05
0.000114724	3.09236E-05	0.000110044	4.88741E-05	0.000112	0.000118332	5.58632E-05	0.000110044	4.78754E-05
0.000118938	3.48586E-05	0.000114833	9.05707E-05	0.000116349	0.000122801	5.91469E-05	0.000114833	8.44205E-05
0.00011834	3.64183E-05	0.000115837	9.01948E-05	0.000116372	0.000122719	6.00996E-05	0.000115837	8.40065E-05
0.000116741	3.67198E-05	0.000113494	9.07338E-05	0.000114457	0.000120687	5.92186E-05	0.000113494	8.45375E-05
0.000113765	3.68501E-05	0.000109396	9.05245E-05	0.000111013	0.000117049	5.75003E-05	0.000109396	8.43175E-05
0.000110943	3.68004E-05	0.000105397	8.99276E-05	0.000107707	0.000113575	5.56817E-05	0.000105397	8.37069E-05
0.000108084	3.55154E-05	0.000102138	8.29557E-05	0.000104719	0.000110479	5.36459E-05	0.000102138	7.75852E-05
0.00010583	3.48911E-05	9.96396E-05	8.25332E-05	0.000102381	0.000108026	5.23327E-05	9.96396E-05	7.71584E-05
0.000105066	3.39176E-05	9.92626E-05	8.16461E-05	0.000101803	0.000107448	5.17543E-05	9.92626E-05	7.6264E-05
0.000106764	3.40322E-05	0.000101234	8.67893E-05	0.000103612	0.000109367	5.25864E-05	0.000101234	8.05371E-05
0.000114093	3.60629E-05	0.000108125	8.52907E-05	0.00011071	0.000116885	5.59647E-05	0.000108125	7.90232E-05
0.000125985	3.90669E-05	0.000118777	8.42255E-05	0.000122019	0.000128915	6.0883E-05	0.000118777	7.79471E-05
0.000138955	4.55234E-05	0.000128829	8.33482E-05	0.000133616	0.00014112	6.709E-05	0.000128829	7.70646E-05
0.000148877	5.44622E-05	0.00013501	6.95542E-05	0.000141749	0.000149477	7.32316E-05	0.00013501	6.49929E-05

0.00014961	5.81713E-05	0.000134192	5.82963E-05	0.000141736	0.000149301	7.46574E-05	0.000134192	5.55073E-05
0.000146642	5.71682E-05	0.000129171	5.0643E-05	0.000137941	0.000145318	7.25396E-05	0.000129171	4.87135E-05
0.000139506	5.2313E-05	0.000121861	4.56716E-05	0.000130858	0.000137948	6.80041E-05	0.000121861	4.46438E-05
0.000127434	4.53359E-05	0.000113122	4.47704E-05	0.000120347	0.000126919	6.20721E-05	0.000113122	4.37372E-05
0.000117042	3.7472E-05	0.000106348	4.45913E-05	0.000111661	0.000117899	5.6353E-05	0.000106348	4.35602E-05
0.000102926	2.92832E-05	9.60815E-05	4.37916E-05	9.93497E-05	0.000104988	4.9363E-05	9.60815E-05	4.27515E-05
0.000100989	2.64082E-05	9.56268E-05	4.43448E-05	9.81042E-05	0.000103755	4.80057E-05	9.56268E-05	4.33156E-05
0.000100039	2.53172E-05	9.56098E-05	4.44789E-05	9.75684E-05	0.000103195	4.7687E-05	9.56098E-05	4.34538E-05
0.000102212	2.56502E-05	9.85924E-05	4.60185E-05	0.000100066	0.000105803	4.92004E-05	9.85924E-05	4.5016E-05
0.00010797	2.78844E-05	0.000104501	4.84443E-05	0.000105826	0.000111828	5.26087E-05	0.000104501	4.74682E-05
0.000115446	3.10788E-05	0.000110787	4.93512E-05	0.000112727	0.000119101	5.62144E-05	0.000110787	4.8359E-05
0.000121369	3.5084E-05	0.000115816	9.12066E-05	0.000118177	0.000124784	5.9593E-05	0.000115816	8.50645E-05
0.000119241	3.66244E-05	0.00011682	9.09667E-05	0.000117301	0.000123698	6.05864E-05	0.00011682	8.47873E-05
0.000117694	3.69322E-05	0.000114509	9.15629E-05	0.00011543	0.000121714	5.97116E-05	0.000114509	8.53757E-05
0.000114551	3.7044E-05	0.000110316	9.12813E-05	0.000111849	0.000117926	5.7979E-05	0.000110316	8.50816E-05
0.000111597	3.69758E-05	0.000106227	9.08009E-05	0.000108428	0.000114327	5.61349E-05	0.000106227	8.45885E-05
0.000108751	3.56902E-05	0.000102966	8.37594E-05	0.000105447	0.00011124	5.4092E-05	0.000102966	7.83954E-05
0.000106519	3.50772E-05	0.00010052	8.33241E-05	0.000103143	0.000108819	5.28156E-05	0.00010052	7.7955E-05
0.000105685	3.4084E-05	0.00010005	8.24201E-05	0.000102487	0.000108161	5.21847E-05	0.00010005	7.70441E-05
0.000107454	3.42151E-05	0.000102099	8.7516E-05	0.000104369	0.000110157	5.30563E-05	0.000102099	8.12697E-05
0.000114861	3.62527E-05	0.000109026	8.58779E-05	0.000111528	0.000117742	5.64338E-05	0.000109026	7.96148E-05
0.000126956	3.92777E-05	0.000119786	8.47175E-05	0.000123001	0.000129953	6.13635E-05	0.000119786	7.84427E-05
0.000140108	4.57673E-05	0.000129998	8.38155E-05	0.00013477	0.000142342	6.76358E-05	0.000129998	7.75361E-05
0.000150116	5.47234E-05	0.000136262	7.00037E-05	0.000142987	0.000150789	7.38144E-05	0.000136262	6.54471E-05
0.000150822	5.84223E-05	0.000135397	5.87328E-05	0.000142939	0.000150578	7.52103E-05	0.000135397	5.59488E-05
0.000145981	5.73119E-05	0.000129958	5.10704E-05	0.000137875	0.000145202	7.291E-05	0.000129958	4.9146E-05
0.000140292	5.24899E-05	0.000122705	4.60632E-05	0.000131664	0.000138798	6.84175E-05	0.000122705	4.50409E-05
0.000128152	4.54989E-05	0.0001139	4.50733E-05	0.000121085	0.000127698	6.24553E-05	0.0001139	4.40452E-05
0.000117603	3.75943E-05	0.000106933	4.47532E-05	0.000112228	0.000118499	5.66329E-05	0.000106933	4.37252E-05
0.000102926	2.92832E-05	9.60815E-05	4.37916E-05	9.93497E-05	0.000104988	4.9363E-05	9.60815E-05	4.27515E-05
0.000100989	2.64082E-05	9.56268E-05	4.43448E-05	9.81042E-05	0.000103755	4.80057E-05	9.56268E-05	4.33156E-05
0.000100039	2.53172E-05	9.56098E-05	4.44789E-05	9.75684E-05	0.000103195	4.7687E-05	9.56098E-05	4.34538E-05
0.000102212	2.56502E-05	9.85924E-05	4.60185E-05	0.000100066	0.000105803	4.92004E-05	9.85924E-05	4.5016E-05
0.00010797	2.78844E-05	0.000104501	4.84443E-05	0.000105826	0.000111828	5.26087E-05	0.000104501	4.74682E-05
0.000115446	3.10788E-05	0.000110787	4.93512E-05	0.000112727	0.000119101	5.62144E-05	0.000110787	4.8359E-05
0.000121369	3.5084E-05	0.000115816	9.12066E-05	0.000118177	0.000124784	5.9593E-05	0.000115816	8.50645E-05
0.000119241	3.66244E-05	0.00011682	9.09667E-05	0.000117301	0.000123698	6.05864E-05	0.00011682	8.47873E-05
0.000117694	3.69322E-05	0.000114509	9.15629E-05	0.00011543	0.000121714	5.97116E-05	0.000114509	8.53757E-05
0.000114551	3.7044E-05	0.000110316	9.12813E-05	0.000111849	0.000117926	5.7979E-05	0.000110316	8.50816E-05
0.000111597	3.69758E-05	0.000106227	9.08009E-05	0.000108428	0.000114327	5.61349E-05	0.000106227	8.45885E-05
0.000108751	3.56902E-05	0.000102966	8.37594E-05	0.000105447	0.00011124	5.4092E-05	0.000102966	7.83954E-05
0.000106519	3.50772E-05	0.00010052	8.33241E-05	0.000103143	0.000108819	5.28156E-05	0.00010052	7.7955E-05
0.000105685	3.4084E-05	0.00010005	8.24201E-05	0.000102487	0.000108161	5.21847E-05	0.00010005	7.70441E-05
0.000107454	3.42151E-05	0.000102099	8.7516E-05	0.000104369	0.000110157	5.30563E-05	0.000102099	8.12697E-05
0.000114861	3.62527E-05	0.000109026	8.58779E-05	0.000111528	0.000117742	5.64338E-05	0.000109026	7.96148E-05
0.000126956	3.92777E-05	0.000119786	8.47175E-05	0.000123001	0.000129953	6.13635E-05	0.000119786	7.84427E-05
0.000140108	4.57673E-05	0.000129998	8.38155E-05	0.00013477	0.000142342	6.76358E-05	0.000129998	7.75361E-05
0.000150116	5.47234E-05	0.000136262	7.00037E-05	0.000142987	0.000150789	7.38144E-05	0.000136262	6.54471E-05
0.000150822	5.84223E-05	0.000135397	5.87328E-05	0.000142939	0.000150578	7.52103E-05	0.000135397	5.59488E-05
0.000145981	5.73119E-05	0.000129958	5.10704E-05	0.000137875	0.000145202	7.291E-05	0.000129958	4.9146E-05
0.000140292	5.24899E-05	0.000122705	4.60632E-05	0.000131664	0.000138798	6.84175E-05	0.000122705	4.50409E-05
0.000128152	4.54989E-05	0.0001139	4.50733E-05	0.000121085	0.000127698	6.24553E-05	0.0001139	4.40452E-05
0.000117603	3.75943E-05	0.000106933	4.47532E-05	0.000112228	0.000118499	5.66329E-05	0.000106933	4.37252E-05
0.000103485	2.94229E-05	9.67447E-05	4.44926E-05	9.9948E-05	0.000105614	4.97107E-05	9.67447E-05	4.34648E-05
0.000100409	2.62791E-05	9.50101E-05	4.40506E-05	9.75123E-05	0.00010313	4.77064E-05	9.50101E-05	4.3017E-05
9.95384E-05	2.52164E-05	9.51249E-05	4.42556E-05	9.70763E-05	0.000102671	4.74696E-05	9.51249E-05	4.32272E-05
0.000101552	2.5507E-05	9.79075E-05	4.57019E-05	9.93991E-05	0.000105098	4.88744E-05	9.79075E-05	4.46947E-05
0.0001072	2.77198E-05	0.000103713	4.80185E-05	0.000105052	0.000111009	5.22379E-05	0.000103713	4.70366E-05
0.000114724	3.09236E-05	0.000110044	4.88741E-05	0.000112	0.000118332	5.58632E-05	0.000110044	4.78754E-05
0.000118938	3.48586E-05	0.000114833	9.05707E-05	0.000116349	0.000122801	5.91469E-05	0.000114833	8.44205E-05
0.00011834	3.64183E-05	0.000115837	9.01948E-05	0.000116372	0.000122719	6.00996E-05	0.000115837	8.40065E-05
0.000116741	3.67198E-05	0.000113494	9.07338E-05	0.000114457	0.000120687	5.92186E-05	0.000113494	8.45375E-05
0.000113765	3.68501E-05	0.000109396	9.05245E-05	0.000111013	0.000117049	5.75003E-05	0.000109396	8.43175E-05
0.000110943	3.68004E-05	0.000105397	8.99276E-05	0.000107707	0.000113575	5.56817E-05	0.000105397	8.37069E-05
0.000108084	3.55154E-05	0.000102138	8.29557E-05	0.000104719	0.000110479	5.36459E-05	0.000102138	7.75852E-05
0.00010583	3.48911E-05	9.96396E-05	8.25332E-05	0.000102381	0.000108026	5.23327E-05	9.96396E-05	7.71584E-05
0.000105066	3.39176E-05	9.92626E-05	8.16461E-05	0.000101803	0.000107448	5.17543E-05	9.92626E-05	7.6264E-05
0.000106764	3.40322E-05	0.000101234	8.67893E-05	0.000103612	0.000109367	5.25864E-05	0.000101234	8.05371E-05
0.000114093	3.60629E-05	0.000108125	8.52907E-05	0.00011071	0.000116885	5.59647E-05	0.000108125	7.90232E-05
0.000125985	3.90669E-05	0.000118777	8.42255E-05	0.000122019	0.000128915	6.0883E-05	0.000118777	7.79471E-05
0.000138955	4.55234E-05	0.000128829	8.33482E-05	0.000133616	0.00014112	6.709E-05	0.000128829	7.70646E-05
0.000148877	5.44622E-05	0.00013501	6.95542E-05	0.000141749	0.000149477	7.32316E-05	0.00013501	6.49929E-05
0.00014961	5.81713E-05	0.000134192	5.82963E-05	0.000141736	0.000149301	7.46574E-05	0.000134192	5.55073E-05
0.000146642	5.71682E-05	0.000129171	5.0643E-05	0.000137941	0.000145318	7.25396E-05	0.000129171	4.87135E-05
0.000139506	5.2313E-05	0.000121861	4.56716E-05	0.000130858	0.000137948	6.80041E-05	0.000121861	4.46438E-05
0.000127434	4.53359E-05	0.000113122	4.47704E-05	0.000120347	0.000126919	6.20721E-05	0.000113122	4.37372E-05

0.000117042	3.7472E-05	0.000106348	4.45913E-05	0.000111661	0.000117899	5.6353E-05	0.000106348	4.35602E-05
0.000103485	2.94229E-05	9.67447E-05	4.44926E-05	9.9948E-05	0.000105614	4.97107E-05	9.67447E-05	4.34648E-05
0.000100409	2.62791E-05	9.50101E-05	4.40506E-05	9.75123E-05	0.00010313	4.77064E-05	9.50101E-05	4.3017E-05
9.95384E-05	2.52164E-05	9.51249E-05	4.42556E-05	9.70763E-05	0.000102671	4.74696E-05	9.51249E-05	4.32272E-05
0.000101552	2.5507E-05	9.79075E-05	4.57019E-05	9.93991E-05	0.000105098	4.88744E-05	9.79075E-05	4.46947E-05
0.0001072	2.77198E-05	0.000103713	4.80185E-05	0.000105052	0.000111009	5.22379E-05	0.000103713	4.70366E-05
0.000114724	3.09236E-05	0.000110044	4.88741E-05	0.000112	0.000118332	5.58632E-05	0.000110044	4.78754E-05
0.000118938	3.48586E-05	0.000114833	9.05707E-05	0.000116349	0.000122801	5.91469E-05	0.000114833	8.44205E-05
0.00011834	3.64183E-05	0.000115837	9.01948E-05	0.000116372	0.000122719	6.00996E-05	0.000115837	8.40065E-05
0.000116741	3.67198E-05	0.000113494	9.07338E-05	0.000114457	0.000120687	5.92186E-05	0.000113494	8.45375E-05
0.000113765	3.68501E-05	0.000109396	9.05245E-05	0.000111013	0.000117049	5.75003E-05	0.000109396	8.43175E-05
0.000110943	3.68004E-05	0.000105397	8.99276E-05	0.000107707	0.000113575	5.56817E-05	0.000105397	8.37069E-05
0.000108084	3.55154E-05	0.000102138	8.29557E-05	0.000104719	0.000110479	5.36459E-05	0.000102138	7.75852E-05
0.00010583	3.48911E-05	9.96396E-05	8.25332E-05	0.000102381	0.000108026	5.23327E-05	9.96396E-05	7.71584E-05
0.000105066	3.39176E-05	9.92626E-05	8.16461E-05	0.000101803	0.000107448	5.17543E-05	9.92626E-05	7.6264E-05
0.000106764	3.40322E-05	0.000101234	8.67893E-05	0.000103612	0.000109367	5.25864E-05	0.000101234	8.05371E-05
0.000114093	3.60629E-05	0.000108125	8.52907E-05	0.00011071	0.000116885	5.59647E-05	0.000108125	7.90232E-05
0.000125985	3.90669E-05	0.000118777	8.42255E-05	0.000122019	0.000128915	6.0883E-05	0.000118777	7.79471E-05
0.000138955	4.55234E-05	0.000128829	8.33482E-05	0.000133616	0.00014112	6.709E-05	0.000128829	7.70646E-05
0.000148877	5.44622E-05	0.00013501	6.95542E-05	0.000141749	0.000149477	7.32316E-05	0.00013501	6.49929E-05
0.00014961	5.81713E-05	0.000134192	5.82963E-05	0.000141736	0.000149301	7.46574E-05	0.000134192	5.55073E-05
0.000146642	5.71682E-05	0.000129171	5.0643E-05	0.000137941	0.000145318	7.25396E-05	0.000129171	4.87135E-05
0.000139506	5.2313E-05	0.000121861	4.56716E-05	0.000130858	0.000137948	6.80041E-05	0.000121861	4.46438E-05
0.000127434	4.53359E-05	0.000113122	4.47704E-05	0.000120347	0.000126919	6.20721E-05	0.000113122	4.37372E-05
0.000117042	3.7472E-05	0.000106348	4.45913E-05	0.000111661	0.000117899	5.6353E-05	0.000106348	4.35602E-05
0.000103485	2.94229E-05	9.67447E-05	4.44926E-05	9.9948E-05	0.000105614	4.97107E-05	9.67447E-05	4.34648E-05
0.000100409	2.62791E-05	9.50101E-05	4.40506E-05	9.75123E-05	0.00010313	4.77064E-05	9.50101E-05	4.3017E-05
9.95384E-05	2.52164E-05	9.51249E-05	4.42556E-05	9.70763E-05	0.000102671	4.74696E-05	9.51249E-05	4.32272E-05
0.000101552	2.5507E-05	9.79075E-05	4.57019E-05	9.93991E-05	0.000105098	4.88744E-05	9.79075E-05	4.46947E-05
0.0001072	2.77198E-05	0.000103713	4.80185E-05	0.000105052	0.000111009	5.22379E-05	0.000103713	4.70366E-05
0.000114724	3.09236E-05	0.000110044	4.88741E-05	0.000112	0.000118332	5.58632E-05	0.000110044	4.78754E-05
0.000118938	3.48586E-05	0.000114833	9.05707E-05	0.000116349	0.000122801	5.91469E-05	0.000114833	8.44205E-05
0.00011834	3.64183E-05	0.000115837	9.01948E-05	0.000116372	0.000122719	6.00996E-05	0.000115837	8.40065E-05
0.000116741	3.67198E-05	0.000113494	9.07338E-05	0.000114457	0.000120687	5.92186E-05	0.000113494	8.45375E-05
0.000113765	3.68501E-05	0.000109396	9.05245E-05	0.000111013	0.000117049	5.75003E-05	0.000109396	8.43175E-05
0.000110943	3.68004E-05	0.000105397	8.99276E-05	0.000107707	0.000113575	5.56817E-05	0.000105397	8.37069E-05
0.000108084	3.55154E-05	0.000102138	8.29557E-05	0.000104719	0.000110479	5.36459E-05	0.000102138	7.75852E-05
0.00010583	3.48911E-05	9.96396E-05	8.25332E-05	0.000102381	0.000108026	5.23327E-05	9.96396E-05	7.71584E-05
0.000105066	3.39176E-05	9.92626E-05	8.16461E-05	0.000101803	0.000107448	5.17543E-05	9.92626E-05	7.6264E-05
0.000106764	3.40322E-05	0.000101234	8.67893E-05	0.000103612	0.000109367	5.25864E-05	0.000101234	8.05371E-05
0.000114093	3.60629E-05	0.000108125	8.52907E-05	0.00011071	0.000116885	5.59647E-05	0.000108125	7.90232E-05
0.000125985	3.90669E-05	0.000118777	8.42255E-05	0.000122019	0.000128915	6.0883E-05	0.000118777	7.79471E-05
0.000138955	4.55234E-05	0.000128829	8.33482E-05	0.000133616	0.00014112	6.709E-05	0.000128829	7.70646E-05
0.000148877	5.44622E-05	0.00013501	6.95542E-05	0.000141749	0.000149477	7.32316E-05	0.00013501	6.49929E-05
0.00014961	5.81713E-05	0.000134192	5.82963E-05	0.000141736	0.000149301	7.46574E-05	0.000134192	5.55073E-05
0.000146642	5.71682E-05	0.000129171	5.0643E-05	0.000137941	0.000145318	7.25396E-05	0.000129171	4.87135E-05
0.000139506	5.2313E-05	0.000121861	4.56716E-05	0.000130858	0.000137948	6.80041E-05	0.000121861	4.46438E-05
0.000127434	4.53359E-05	0.000113122	4.47704E-05	0.000120347	0.000126919	6.20721E-05	0.000113122	4.37372E-05
0.000117042	3.7472E-05	0.000106348	4.45913E-05	0.000111661	0.000117899	5.6353E-05	0.000106348	4.35602E-05
0.000103485	2.94229E-05	9.67447E-05	4.44926E-05	9.9948E-05	0.000105614	4.97107E-05	9.67447E-05	4.34648E-05
0.000100409	2.62791E-05	9.50101E-05	4.40506E-05	9.75123E-05	0.00010313	4.77064E-05	9.50101E-05	4.3017E-05
9.95384E-05	2.52164E-05	9.51249E-05	4.42556E-05	9.70763E-05	0.000102671	4.74696E-05	9.51249E-05	4.32272E-05

0.000101552	2.5507E-05	9.79075E-05	4.57019E-05	9.93991E-05	0.000105098	4.88744E-05	9.79075E-05	4.46947E-05
0.0001072	2.77198E-05	0.000103713	4.80185E-05	0.000105052	0.000111009	5.22379E-05	0.000103713	4.70366E-05
0.000114724	3.09236E-05	0.000110044	4.88741E-05	0.000112	0.000118332	5.58632E-05	0.000110044	4.78754E-05
0.000118938	3.48586E-05	0.000114833	9.05707E-05	0.000116349	0.000122801	5.91469E-05	0.000114833	8.44205E-05
0.00011834	3.64183E-05	0.000115837	9.01948E-05	0.000116372	0.000122719	6.00996E-05	0.000115837	8.40065E-05
0.000116741	3.67198E-05	0.000113494	9.07338E-05	0.000114457	0.000120687	5.92186E-05	0.000113494	8.45375E-05
0.000113765	3.68501E-05	0.000109396	9.05245E-05	0.000111013	0.000117049	5.75003E-05	0.000109396	8.43175E-05
0.000110943	3.68004E-05	0.000105397	8.99276E-05	0.000107707	0.000113575	5.56817E-05	0.000105397	8.37069E-05
0.000108084	3.55154E-05	0.000102138	8.29557E-05	0.000104719	0.000110479	5.36459E-05	0.000102138	7.75852E-05
0.00010583	3.48911E-05	9.96396E-05	8.25332E-05	0.000102381	0.000108026	5.23327E-05	9.96396E-05	7.71584E-05
0.000105066	3.39176E-05	9.92626E-05	8.16461E-05	0.000101803	0.000107448	5.17543E-05	9.92626E-05	7.6264E-05
0.000106764	3.40322E-05	0.000101234	8.67893E-05	0.000103612	0.000109367	5.25864E-05	0.000101234	8.05371E-05
0.000114093	3.60629E-05	0.000108125	8.52907E-05	0.00011071	0.000116885	5.59647E-05	0.000108125	7.90232E-05
0.000125985	3.90669E-05	0.000118777	8.42255E-05	0.000122019	0.000128915	6.0883E-05	0.000118777	7.79471E-05
0.000138955	4.55234E-05	0.000128829	8.33482E-05	0.000133616	0.00014112	6.709E-05	0.000128829	7.70646E-05
0.000148877	5.44622E-05	0.00013501	6.95542E-05	0.000141749	0.000149477	7.32316E-05	0.00013501	6.49929E-05
0.00014961	5.81713E-05	0.000134192	5.82963E-05	0.000141736	0.000149301	7.46574E-05	0.000134192	5.55073E-05
0.000146642	5.71682E-05	0.000129171	5.0643E-05	0.000137941	0.000145318	7.25396E-05	0.000129171	4.87135E-05
0.000139506	5.2313E-05	0.000121861	4.56716E-05	0.000130858	0.000137948	6.80041E-05	0.000121861	4.46438E-05
0.000127434	4.53359E-05	0.000113122	4.47704E-05	0.000120347	0.000126919	6.20721E-05	0.000113122	4.37372E-05
0.000117042	3.7472E-05	0.000106348	4.45913E-05	0.000111661	0.000117899	5.6353E-05	0.000106348	4.35602E-05
0.000102926	2.92832E-05	9.60815E-05	4.37916E-05	9.93497E-05	0.000104988	4.9363E-05	9.60815E-05	4.27515E-05
0.000100989	2.64082E-05	9.56268E-05	4.43448E-05	9.81042E-05	0.000103755	4.80057E-05	9.56268E-05	4.33156E-05
0.000100039	2.53172E-05	9.56098E-05	4.44789E-05	9.75684E-05	0.000103195	4.7687E-05	9.56098E-05	4.34538E-05
0.000102212	2.56502E-05	9.85924E-05	4.60185E-05	0.000100066	0.000105803	4.92004E-05	9.85924E-05	4.5016E-05
0.00010797	2.78844E-05	0.000104501	4.84443E-05	0.000105826	0.000111828	5.26087E-05	0.000104501	4.74682E-05
0.000115446	3.10788E-05	0.000110787	4.93512E-05	0.000112727	0.000119101	5.62144E-05	0.000110787	4.8359E-05
0.000121369	3.5084E-05	0.000115816	9.12066E-05	0.000118177	0.000124784	5.9593E-05	0.000115816	8.50645E-05
0.000119241	3.66244E-05	0.00011682	9.09667E-05	0.000117301	0.000123698	6.05864E-05	0.00011682	8.47873E-05
0.000117694	3.69322E-05	0.000114509	9.15629E-05	0.00011543	0.000121714	5.97116E-05	0.000114509	8.53757E-05
0.000114551	3.7044E-05	0.000110316	9.12813E-05	0.000111849	0.000117926	5.7979E-05	0.000110316	8.50816E-05
0.000111597	3.69758E-05	0.000106227	9.08009E-05	0.000108428	0.000114327	5.61349E-05	0.000106227	8.45885E-05
0.000108751	3.56902E-05	0.000102966	8.37594E-05	0.000105447	0.00011124	5.4092E-05	0.000102966	7.83954E-05
0.000106519	3.50772E-05	0.00010052	8.33241E-05	0.000103143	0.000108819	5.28156E-05	0.00010052	7.7955E-05
0.000105685	3.4084E-05	0.00010005	8.24201E-05	0.000102487	0.000108161	5.21847E-05	0.00010005	7.70441E-05
0.000107454	3.42151E-05	0.000102099	8.7516E-05	0.000104369	0.000110157	5.30563E-05	0.000102099	8.12697E-05
0.000114861	3.62527E-05	0.000109026	8.58779E-05	0.000111528	0.000117742	5.64338E-05	0.000109026	7.96148E-05
0.000126956	3.92777E-05	0.000119786	8.47175E-05	0.000123001	0.000129953	6.13635E-05	0.000119786	7.84427E-05
0.000140108	4.57673E-05	0.000129998	8.38155E-05	0.00013477	0.000142342	6.76358E-05	0.000129998	7.75361E-05
0.000150116	5.47234E-05	0.000136262	7.00037E-05	0.000142987	0.000150789	7.38144E-05	0.000136262	6.54471E-05
0.000150822	5.84223E-05	0.000135397	5.87328E-05	0.000142939	0.000150578	7.52103E-05	0.000135397	5.59488E-05
0.000145981	5.73119E-05	0.000129958	5.10704E-05	0.000137875	0.000145202	7.291E-05	0.000129958	4.9146E-05
0.000140292	5.24899E-05	0.000122705	4.60632E-05	0.000131664	0.000138798	6.84175E-05	0.000122705	4.50409E-05
0.000128152	4.54989E-05	0.0001139	4.50733E-05	0.000121085	0.000127698	6.24553E-05	0.0001139	4.40452E-05
0.000117603	3.75943E-05	0.000106933	4.47532E-05	0.000112228	0.000118499	5.66329E-05	0.000106933	4.37252E-05
0.000102926	2.92832E-05	9.60815E-05	4.37916E-05	9.93497E-05	0.000104988	4.9363E-05	9.60815E-05	4.27515E-05
0.000100989	2.64082E-05	9.56268E-05	4.43448E-05	9.81042E-05	0.000103755	4.80057E-05	9.56268E-05	4.33156E-05
0.000100039	2.53172E-05	9.56098E-05	4.44789E-05	9.75684E-05	0.000103195	4.7687E-05	9.56098E-05	4.34538E-05
0.000102212	2.56502E-05	9.85924E-05	4.60185E-05	0.000100066	0.000105803	4.92004E-05	9.85924E-05	4.5016E-05
0.00010797	2.78844E-05	0.000104501	4.84443E-05	0.000105826	0.000111828	5.26087E-05	0.000104501	4.74682E-05
0.000115446	3.10788E-05	0.000110787	4.93512E-05	0.000112727	0.000119101	5.62144E-05	0.000110787	4.8359E-05
0.000121369	3.5084E-05	0.000115816	9.12066E-05	0.000118177	0.000124784	5.9593E-05	0.000115816	8.50645E-05
0.000119241	3.66244E-05	0.00011682	9.09667E-05	0.000117301	0.000123698	6.05864E-05	0.00011682	8.47873E-05
0.000117694	3.69322E-05	0.000114509	9.15629E-05	0.00011543	0.000121714	5.97116E-05	0.000114509	8.53757E-05
0.000114551	3.7044E-05	0.000110316	9.12813E-05	0.000111849	0.000117926	5.7979E-05	0.000110316	8.50816E-05
0.000111597	3.69758E-05	0.000106227	9.08009E-05	0.000108428	0.000114327	5.61349E-05	0.000106227	8.45885E-05
0.000108751	3.56902E-05	0.000102966	8.37594E-05	0.000105447	0.00011124	5.4092E-05	0.000102966	7.83954E-05
0.000106519	3.50772E-05	0.00010052	8.33241E-05	0.000103143	0.000108819	5.28156E-05	0.00010052	7.7955E-05
0.000105685	3.4084E-05	0.00010005	8.24201E-05	0.000102487	0.000108161	5.21847E-05	0.00010005	7.70441E-05
0.000107454	3.42151E-05	0.000102099	8.7516E-05	0.000104369	0.000110157	5.30563E-05	0.000102099	8.12697E-05
0.000114861	3.62527E-05	0.000109026	8.58779E-05	0.000111528	0.000117742	5.64338E-05	0.000109026	7.96148E-05
0.000126956	3.92777E-05	0.000119786	8.47175E-05	0.000123001	0.000129953	6.13635E-05	0.000119786	7.84427E-05
0.000140108	4.57673E-05	0.000129998	8.38155E-05	0.00013477	0.000142342	6.76358E-05	0.000129998	7.75361E-05
0.000150116	5.47234E-05	0.000136262	7.00037E-05	0.000142987	0.000150789	7.38144E-05	0.000136262	6.54471E-05
0.000150822	5.84223E-05	0.000135397	5.87328E-05	0.000142939	0.000150578	7.52103E-05	0.000135397	5.59488E-05
0.000145981	5.73119E-05	0.000129958	5.10704E-05	0.000137875	0.000145202	7.291E-05	0.000129958	4.9146E-05
0.000140292	5.24899E-05	0.000122705	4.60632E-05	0.000131664	0.000138798	6.84175E-05	0.000122705	4.50409E-05
0.000128152	4.54989E-05	0.0001139	4.50733E-05	0.000121085	0.000127698	6.24553E-05	0.0001139	4.40452E-05
0.000117603	3.75943E-05	0.000106933	4.47532E-05	0.000112228	0.000118499	5.66329E-05	0.000106933	4.37252E-05
9.46401E-05	2.76277E-05	8.81835E-05	4.50302E-05	9.12619E-05	9.63826E-05	4.58614E-05	8.81835E-05	4.40004E-05
9.23426E-05	2.46486E-05	8.72188E-05	4.52135E-05	8.95973E-05	9.47163E-05	4.42118E-05	8.72188E-05	4.4188E-05
9.13805E-05	2.35417E-05	8.71218E-05	4.61122E-05	8.90217E-05	9.41188E-05	4.38303E-05	8.71218E-05	4.5103E-05
9.38043E-05	2.38406E-05	8.99647E-05	4.78753E-05	9.16113E-05	9.68547E-05	4.51235E-05	8.99647E-05	4.68934E-05
0.000100249	2.62144E-05	9.65513E-05	5.15115E-05	9.80508E-05	0.000103601	4.88403E-05	9.65513E-05	5.05786E-05
0.000108399	2.95331E-05	0.000103451	5.27056E-05	0.000105599	0.000111566	5.27032E-05	0.000103451	5.17641E-05
0.000111736	3.33164E-05	0.000107523	9.43609E-05	0.00010914	0.000115165	5.57186E-05	0.000107523	8.82741E-05

0.000106989	3.38372E-05	0.000103605	9.40281E-05	0.000104722	0.000110433	5.40915E-05	0.000103605	8.78997E-05
0.000104543	3.39511E-05	0.000100371	9.50698E-05	0.000101947	0.000107493	5.27807E-05	0.000100371	8.89344E-05
0.000102755	3.42811E-05	9.72515E-05	9.57734E-05	9.96014E-05	0.000105035	5.14294E-05	9.72515E-05	8.96375E-05
0.000102279	3.47673E-05	9.58151E-05	9.62262E-05	9.87165E-05	0.000104112	5.08793E-05	9.58151E-05	9.00937E-05
9.90578E-05	3.34747E-05	9.24958E-05	9.00988E-05	9.54899E-05	0.000100741	4.8936E-05	9.24958E-05	8.48332E-05
9.66044E-05	3.28774E-05	9.01053E-05	8.98445E-05	9.30771E-05	9.81844E-05	4.7796E-05	9.01053E-05	8.4579E-05
9.45655E-05	3.17933E-05	8.91454E-05	8.84492E-05	9.15102E-05	9.65051E-05	4.72255E-05	8.91454E-05	8.31675E-05
9.54182E-05	3.16711E-05	8.99967E-05	9.24069E-05	9.23672E-05	9.74355E-05	4.74318E-05	8.99967E-05	8.62367E-05
0.00010099	3.33175E-05	9.50536E-05	8.93061E-05	9.76857E-05	0.000103072	4.99322E-05	9.50536E-05	8.30973E-05
0.000111584	3.61188E-05	0.00010472	8.67572E-05	0.000107829	0.000113842	5.45186E-05	0.00010472	8.05172E-05
0.000126647	4.29718E-05	0.000116715	8.52196E-05	0.000121449	0.000128204	6.15587E-05	0.000116715	7.89626E-05
0.000138861	5.2423E-05	0.000125397	7.13266E-05	0.000131946	0.000139054	6.89302E-05	0.000125397	6.67843E-05
0.000140147	5.62107E-05	0.000124993	6.01176E-05	0.000132428	0.000139414	7.04887E-05	0.000124993	5.73417E-05
0.000137417	5.52454E-05	0.000120157	5.24497E-05	0.000128848	0.000135662	6.84343E-05	0.000120157	5.05314E-05
0.000131075	5.04963E-05	0.000113351	4.71794E-05	0.000122439	0.000129028	6.40167E-05	0.000113351	4.61557E-05
0.00011974	4.36804E-05	0.000105347	4.56933E-05	0.00011266	0.000118776	5.84284E-05	0.000105347	4.46551E-05
0.000110046	3.59885E-05	9.9346E-05	4.48668E-05	0.000104697	0.000110517	5.31018E-05	9.9346E-05	4.38211E-05
9.46401E-05	2.76277E-05	8.81835E-05	4.50302E-05	9.12619E-05	9.63826E-05	4.58614E-05	8.81835E-05	4.40004E-05
9.23426E-05	2.46486E-05	8.72188E-05	4.52135E-05	8.95973E-05	9.47163E-05	4.42118E-05	8.72188E-05	4.4188E-05
9.13805E-05	2.35417E-05	8.71218E-05	4.61122E-05	8.90217E-05	9.41188E-05	4.38303E-05	8.71218E-05	4.5103E-05
9.38043E-05	2.38406E-05	8.99647E-05	4.78753E-05	9.16113E-05	9.68547E-05	4.51235E-05	8.99647E-05	4.68934E-05
0.000100249	2.62144E-05	9.65513E-05	5.15115E-05	9.80508E-05	0.000103601	4.88403E-05	9.65513E-05	5.05786E-05
0.000108399	2.95331E-05	0.000103451	5.27056E-05	0.000105599	0.000111566	5.27032E-05	0.000103451	5.17641E-05
0.000111736	3.33164E-05	0.000107523	9.43609E-05	0.00010914	0.000115165	5.57186E-05	0.000107523	8.82741E-05
0.000106989	3.38372E-05	0.000103605	9.40281E-05	0.000104722	0.000110433	5.40915E-05	0.000103605	8.78997E-05
0.000104543	3.39511E-05	0.000100371	9.50698E-05	0.000101947	0.000107493	5.27807E-05	0.000100371	8.89344E-05
0.000102755	3.42811E-05	9.72515E-05	9.57734E-05	9.96014E-05	0.000105035	5.14294E-05	9.72515E-05	8.96375E-05
0.000102279	3.47673E-05	9.58151E-05	9.62262E-05	9.87165E-05	0.000104112	5.08793E-05	9.58151E-05	9.00937E-05
9.90578E-05	3.34747E-05	9.24958E-05	9.00988E-05	9.54899E-05	0.000100741	4.8936E-05	9.24958E-05	8.48332E-05
9.66044E-05	3.28774E-05	9.01053E-05	8.98445E-05	9.30771E-05	9.81844E-05	4.7796E-05	9.01053E-05	8.4579E-05
9.45655E-05	3.17933E-05	8.91454E-05	8.84492E-05	9.15102E-05	9.65051E-05	4.72255E-05	8.91454E-05	8.31675E-05
9.54182E-05	3.16711E-05	8.99967E-05	9.24069E-05	9.23672E-05	9.74355E-05	4.74318E-05	8.99967E-05	8.62367E-05
0.00010099	3.33175E-05	9.50536E-05	8.93061E-05	9.76857E-05	0.000103072	4.99322E-05	9.50536E-05	8.30973E-05
0.000111584	3.61188E-05	0.00010472	8.67572E-05	0.000107829	0.000113842	5.45186E-05	0.00010472	8.05172E-05
0.000126647	4.29718E-05	0.000116715	8.52196E-05	0.000121449	0.000128204	6.15587E-05	0.000116715	7.89626E-05
0.000138861	5.2423E-05	0.000125397	7.13266E-05	0.000131946	0.000139054	6.89302E-05	0.000125397	6.67843E-05
0.000140147	5.62107E-05	0.000124993	6.01176E-05	0.000132428	0.000139414	7.04887E-05	0.000124993	5.73417E-05
0.000137417	5.52454E-05	0.000120157	5.24497E-05	0.000128848	0.000135662	6.84343E-05	0.000120157	5.05314E-05
0.000131075	5.04963E-05	0.000113351	4.71794E-05	0.000122439	0.000129028	6.40167E-05	0.000113351	4.61557E-05
0.00011974	4.36804E-05	0.000105347	4.56933E-05	0.00011266	0.000118776	5.84284E-05	0.000105347	4.46551E-05
0.000110046	3.59885E-05	9.9346E-05	4.48668E-05	0.000104697	0.000110517	5.31018E-05	9.9346E-05	4.38211E-05
9.46401E-05	2.76277E-05	8.81835E-05	4.50302E-05	9.12619E-05	9.63826E-05	4.58614E-05	8.81835E-05	4.40004E-05
9.23426E-05	2.46486E-05	8.72188E-05	4.52135E-05	8.95973E-05	9.47163E-05	4.42118E-05	8.72188E-05	4.4188E-05
9.13805E-05	2.35417E-05	8.71218E-05	4.61122E-05	8.90217E-05	9.41188E-05	4.38303E-05	8.71218E-05	4.5103E-05
9.38043E-05	2.38406E-05	8.99647E-05	4.78753E-05	9.16113E-05	9.68547E-05	4.51235E-05	8.99647E-05	4.68934E-05
0.000100249	2.62144E-05	9.65513E-05	5.15115E-05	9.80508E-05	0.000103601	4.88403E-05	9.65513E-05	5.05786E-05
0.000108399	2.95331E-05	0.000103451	5.27056E-05	0.000105599	0.000111566	5.27032E-05	0.000103451	5.17641E-05
0.000111736	3.33164E-05	0.000107523	9.43609E-05	0.00010914	0.000115165	5.57186E-05	0.000107523	8.82741E-05
0.000106989	3.38372E-05	0.000103605	9.40281E-05	0.000104722	0.000110433	5.40915E-05	0.000103605	8.78997E-05
0.000104543	3.39511E-05	0.000100371	9.50698E-05	0.000101947	0.000107493	5.27807E-05	0.000100371	8.89344E-05
0.000102755	3.42811E-05	9.72515E-05	9.57734E-05	9.96014E-05	0.000105035	5.14294E-05	9.72515E-05	8.96375E-05
0.000102279	3.47673E-05	9.58151E-05	9.62262E-05	9.87165E-05	0.000104112	5.08793E-05	9.58151E-05	9.00937E-05

9.90578E-05	3.34747E-05	9.24958E-05	9.00988E-05	9.54899E-05	0.000100741	4.8936E-05	9.24958E-05	8.48332E-05
9.66044E-05	3.28774E-05	9.01053E-05	8.98445E-05	9.30771E-05	9.81844E-05	4.7796E-05	9.01053E-05	8.4579E-05
9.45655E-05	3.17933E-05	8.91454E-05	8.84492E-05	9.15102E-05	9.65051E-05	4.72255E-05	8.91454E-05	8.31675E-05
9.54182E-05	3.16711E-05	8.99967E-05	9.24069E-05	9.23672E-05	9.74355E-05	4.74318E-05	8.99967E-05	8.62367E-05
0.00010099	3.33175E-05	9.50536E-05	8.93061E-05	9.76857E-05	0.000103072	4.99322E-05	9.50536E-05	8.30973E-05
0.000111584	3.61188E-05	0.00010472	8.67572E-05	0.000107829	0.000113842	5.45186E-05	0.00010472	8.05172E-05
0.000126647	4.29718E-05	0.000116715	8.52196E-05	0.000121449	0.000128204	6.15587E-05	0.000116715	7.89626E-05
0.000138861	5.2423E-05	0.000125397	7.13266E-05	0.000131946	0.000139054	6.89302E-05	0.000125397	6.67843E-05
0.000140147	5.62107E-05	0.000124993	6.01176E-05	0.000132428	0.000139414	7.04887E-05	0.000124993	5.73417E-05
0.000137417	5.52454E-05	0.000120157	5.24497E-05	0.000128848	0.000135662	6.84343E-05	0.000120157	5.05314E-05
0.000131075	5.04963E-05	0.000113351	4.71794E-05	0.000122439	0.000129028	6.40167E-05	0.000113351	4.61557E-05
0.00011974	4.36804E-05	0.000105347	4.56933E-05	0.00011266	0.000118776	5.84284E-05	0.000105347	4.46551E-05
0.000110046	3.59885E-05	9.9346E-05	4.48668E-05	0.000104697	0.000110517	5.31018E-05	9.9346E-05	4.38211E-05
9.46401E-05	2.76277E-05	8.81835E-05	4.50302E-05	9.12619E-05	9.63826E-05	4.58614E-05	8.81835E-05	4.40004E-05
9.23426E-05	2.46486E-05	8.72188E-05	4.52135E-05	8.95973E-05	9.47163E-05	4.42118E-05	8.72188E-05	4.4188E-05
9.13805E-05	2.35417E-05	8.71218E-05	4.61122E-05	8.90217E-05	9.41188E-05	4.38303E-05	8.71218E-05	4.5103E-05
9.38043E-05	2.38406E-05	8.99647E-05	4.78753E-05	9.16113E-05	9.68547E-05	4.51235E-05	8.99647E-05	4.68934E-05
0.000100249	2.62144E-05	9.65513E-05	5.15115E-05	9.80508E-05	0.000103601	4.88403E-05	9.65513E-05	5.05786E-05
0.000108399	2.95331E-05	0.000103451	5.27056E-05	0.000105599	0.000111566	5.27032E-05	0.000103451	5.17641E-05
0.000111736	3.33164E-05	0.000107523	9.43609E-05	0.00010914	0.000115165	5.57186E-05	0.000107523	8.82741E-05
0.000106989	3.38372E-05	0.000103605	9.40281E-05	0.000104722	0.000110433	5.40915E-05	0.000103605	8.78997E-05
0.000104543	3.39511E-05	0.000100371	9.50698E-05	0.000101947	0.000107493	5.27807E-05	0.000100371	8.89344E-05
0.000102755	3.42811E-05	9.72515E-05	9.57734E-05	9.96014E-05	0.000105035	5.14294E-05	9.72515E-05	8.96375E-05
0.000102279	3.47673E-05	9.58151E-05	9.62262E-05	9.87165E-05	0.000104112	5.08793E-05	9.58151E-05	9.00937E-05
9.90578E-05	3.34747E-05	9.24958E-05	9.00988E-05	9.54899E-05	0.000100741	4.8936E-05	9.24958E-05	8.48332E-05
9.66044E-05	3.28774E-05	9.01053E-05	8.98445E-05	9.30771E-05	9.81844E-05	4.7796E-05	9.01053E-05	8.4579E-05
9.45655E-05	3.17933E-05	8.91454E-05	8.84492E-05	9.15102E-05	9.65051E-05	4.72255E-05	8.91454E-05	8.31675E-05
9.54182E-05	3.16711E-05	8.99967E-05	9.24069E-05	9.23672E-05	9.74355E-05	4.74318E-05	8.99967E-05	8.62367E-05
0.00010099	3.33175E-05	9.50536E-05	8.93061E-05	9.76857E-05	0.000103072	4.99322E-05	9.50536E-05	8.30973E-05
0.000111584	3.61188E-05	0.00010472	8.67572E-05	0.000107829	0.000113842	5.45186E-05	0.00010472	8.05172E-05
0.000126647	4.29718E-05	0.000116715	8.52196E-05	0.000121449	0.000128204	6.15587E-05	0.000116715	7.89626E-05
0.000138861	5.2423E-05	0.000125397	7.13266E-05	0.000131946	0.000139054	6.89302E-05	0.000125397	6.67843E-05
0.000140147	5.62107E-05	0.000124993	6.01176E-05	0.000132428	0.000139414	7.04887E-05	0.000124993	5.73417E-05
0.000137417	5.52454E-05	0.000120157	5.24497E-05	0.000128848	0.000135662	6.84343E-05	0.000120157	5.05314E-05
0.000131075	5.04963E-05	0.000113351	4.71794E-05	0.000122439	0.000129028	6.40167E-05	0.000113351	4.61557E-05
0.00011974	4.36804E-05	0.000105347	4.56933E-05	0.00011266	0.000118776	5.84284E-05	0.000105347	4.46551E-05
0.000110046	3.59885E-05	9.9346E-05	4.48668E-05	0.000104697	0.000110517	5.31018E-05	9.9346E-05	4.38211E-05
9.55723E-05	2.78359E-05	8.9178E-05	4.4745E-05	9.22146E-05	9.73882E-05	4.63453E-05	8.9178E-05	4.37106E-05
9.29311E-05	2.48028E-05	8.79492E-05	4.52787E-05	9.024E-05	9.53871E-05	4.46055E-05	8.79492E-05	4.42539E-05
9.1965E-05	2.36911E-05	8.78302E-05	4.62535E-05	8.96532E-05	9.47791E-05	4.42067E-05	8.78302E-05	4.52457E-05
9.44063E-05	2.3978E-05	9.06205E-05	4.80469E-05	9.2232E-05	9.75089E-05	4.54477E-05	9.06205E-05	4.7067E-05
0.000101077	2.64118E-05	9.74906E-05	5.18109E-05	9.89197E-05	0.000104514	4.93181E-05	9.74906E-05	5.08819E-05
0.0001094	2.97637E-05	0.00010455	5.31174E-05	0.000106635	0.000112656	5.32501E-05	0.00010455	5.21813E-05
0.000114371	3.362E-05	0.000108871	9.48201E-05	0.000111235	0.000117421	5.63969E-05	0.000108871	8.87391E-05
0.000107509	3.39858E-05	0.000104306	9.46769E-05	0.000105313	0.000111045	5.44872E-05	0.000104306	8.85557E-05
0.000105013	3.40899E-05	0.000101024	9.58543E-05	0.000102489	0.000108053	5.31555E-05	0.000101024	8.97269E-05
0.000103117	3.43653E-05	9.76529E-05	9.66346E-05	9.99776E-05	0.000105431	5.16303E-05	9.76529E-05	9.05074E-05
0.000102695	3.48641E-05	9.62762E-05	9.70469E-05	9.91484E-05	0.000104567	5.11102E-05	9.62762E-05	9.09225E-05
9.94298E-05	3.35638E-05	9.29195E-05	9.09408E-05	9.58809E-05	0.000101151	4.91522E-05	9.29195E-05	8.56833E-05
9.6995E-05	3.29771E-05	9.05781E-05	9.06627E-05	9.34989E-05	9.86254E-05	4.8047E-05	9.05781E-05	8.54047E-05
9.48217E-05	3.18973E-05	8.96291E-05	8.91764E-05	9.18569E-05	9.68554E-05	4.75396E-05	8.96291E-05	8.39017E-05
9.57638E-05	3.17846E-05	9.05288E-05	9.29787E-05	9.27862E-05	9.78657E-05	4.77519E-05	9.05288E-05	8.68136E-05
0.000101485	3.3458E-05	9.57165E-05	8.97116E-05	9.82458E-05	0.000103653	5.03052E-05	9.57165E-05	8.35064E-05
0.00011214	3.62593E-05	0.000105386	8.70986E-05	0.000108427	0.000114467	5.48701E-05	0.000105386	8.08618E-05
0.000127491	4.31762E-05	0.000117687	8.55182E-05	0.00012234	0.000129139	6.20586E-05	0.000117687	7.92642E-05
0.000139754	5.26465E-05	0.000126457	7.15305E-05	0.000132902	0.000140055	6.94868E-05	0.000126457	6.69901E-05
0.000141005	5.64167E-05	0.000125974	6.02391E-05	0.000133331	0.000140362	7.09898E-05	0.000125974	5.74638E-05
0.000136665	5.53832E-05	0.000120912	5.25705E-05	0.000128715	0.000135471	6.8814E-05	0.000120912	5.06528E-05
0.000131858	5.06775E-05	0.000114214	4.73312E-05	0.00012325	0.000129883	6.44478E-05	0.000114214	4.63085E-05
0.000120512	4.38587E-05	0.000106197	4.57261E-05	0.000113459	0.000119618	5.88518E-05	0.000106197	4.46866E-05
0.000110704	3.61508E-05	0.000100117	4.47209E-05	0.000105398	0.000111251	5.35028E-05	0.000100117	4.36711E-05
9.55723E-05	2.78359E-05	8.9178E-05	4.4745E-05	9.22146E-05	9.73882E-05	4.63453E-05	8.9178E-05	4.37106E-05
9.29311E-05	2.48028E-05	8.79492E-05	4.52787E-05	9.024E-05	9.53871E-05	4.46055E-05	8.79492E-05	4.42539E-05
9.1965E-05	2.36911E-05	8.78302E-05	4.62535E-05	8.96532E-05	9.47791E-05	4.42067E-05	8.78302E-05	4.52457E-05
9.44063E-05	2.3978E-05	9.06205E-05	4.80469E-05	9.2232E-05	9.75089E-05	4.54477E-05	9.06205E-05	4.7067E-05
0.000101077	2.64118E-05	9.74906E-05	5.18109E-05	9.89197E-05	0.000104514	4.93181E-05	9.74906E-05	5.08819E-05
0.0001094	2.97637E-05	0.00010455	5.31174E-05	0.000106635	0.000112656	5.32501E-05	0.00010455	5.21813E-05
0.000114371	3.362E-05	0.000108871	9.48201E-05	0.000111235	0.000117421	5.63969E-05	0.000108871	8.87391E-05
0.000107509	3.39858E-05	0.000104306	9.46769E-05	0.000105313	0.000111045	5.44872E-05	0.000104306	8.85557E-05
0.000105013	3.40899E-05	0.000101024	9.58543E-05	0.000102489	0.000108053	5.31555E-05	0.000101024	8.97269E-05
0.000103117	3.43653E-05	9.76529E-05	9.66346E-05	9.99776E-05	0.000105431	5.16303E-05	9.76529E-05	9.05074E-05
0.000102695	3.48641E-05	9.62762E-05	9.70469E-05	9.91484E-05	0.000104567	5.11102E-05	9.62762E-05	9.09225E-05
9.94298E-05	3.35638E-05	9.29195E-05	9.09408E-05	9.58809E-05	0.000101151	4.91522E-05	9.29195E-05	8.56833E-05
9.6995E-05	3.29771E-05	9.05781E-05	9.06627E-05	9.34989E-05	9.86254E-05	4.8047E-05	9.05781E-05	8.54047E-05
9.48217E-05	3.18973E-05	8.96291E-05	8.91764E-05	9.18569E-05	9.68554E-05	4.75396E-05	8.96291E-05	8.39017E-05
9.57638E-05	3.17846E-05	9.05288E-05	9.29787E-05	9.27862E-05	9.78657E-05	4.77519E-05	9.05288E-05	8.68136E-05

0.000101485	3.3458E-05	9.57165E-05	8.97116E-05	9.82458E-05	0.000103653	5.03052E-05	9.57165E-05	8.35064E-05
0.00011214	3.62593E-05	0.000105386	8.70986E-05	0.000108427	0.000114467	5.48701E-05	0.000105386	8.08618E-05
0.000127491	4.31762E-05	0.000117687	8.55182E-05	0.00012234	0.000129139	6.20586E-05	0.000117687	7.92642E-05
0.000139754	5.26465E-05	0.000126457	7.15305E-05	0.000132902	0.000140055	6.94868E-05	0.000126457	6.69901E-05
0.000141005	5.64167E-05	0.000125974	6.02391E-05	0.000133331	0.000140362	7.09898E-05	0.000125974	5.74638E-05
0.000136665	5.53832E-05	0.000120912	5.25705E-05	0.000128715	0.000135471	6.8814E-05	0.000120912	5.06528E-05
0.000131858	5.06775E-05	0.000114214	4.73312E-05	0.00012325	0.000129883	6.44478E-05	0.000114214	4.63085E-05
0.000120512	4.38587E-05	0.000106197	4.57261E-05	0.000113459	0.000119618	5.88518E-05	0.000106197	4.46866E-05
0.000110704	3.61508E-05	0.000100117	4.47209E-05	0.000105398	0.000111251	5.35028E-05	0.000100117	4.36711E-05
9.46401E-05	2.76277E-05	8.81835E-05	4.50302E-05	9.12619E-05	9.63826E-05	4.58614E-05	8.81835E-05	4.40004E-05
9.23426E-05	2.46486E-05	8.72188E-05	4.52135E-05	8.95973E-05	9.47163E-05	4.42118E-05	8.72188E-05	4.4188E-05
9.13805E-05	2.35417E-05	8.71218E-05	4.61122E-05	8.90217E-05	9.41188E-05	4.38303E-05	8.71218E-05	4.5103E-05
9.38043E-05	2.38406E-05	8.99647E-05	4.78753E-05	9.16113E-05	9.68547E-05	4.51235E-05	8.99647E-05	4.68934E-05
0.000100249	2.62144E-05	9.65513E-05	5.15115E-05	9.80508E-05	0.000103601	4.88403E-05	9.65513E-05	5.05786E-05
0.000108399	2.95331E-05	0.000103451	5.27056E-05	0.000105599	0.000111566	5.27032E-05	0.000103451	5.17641E-05
0.000111736	3.33164E-05	0.000107523	9.43609E-05	0.00010914	0.000115165	5.57186E-05	0.000107523	8.82741E-05
0.000106989	3.38372E-05	0.000103605	9.40281E-05	0.000104722	0.000110433	5.40915E-05	0.000103605	8.78997E-05
0.000104543	3.39511E-05	0.000100371	9.50698E-05	0.000101947	0.000107493	5.27807E-05	0.000100371	8.89344E-05
0.000102755	3.42811E-05	9.72515E-05	9.57734E-05	9.96014E-05	0.000105035	5.14294E-05	9.72515E-05	8.96375E-05
0.000102279	3.47673E-05	9.58151E-05	9.62262E-05	9.87165E-05	0.000104112	5.08793E-05	9.58151E-05	9.00937E-05
9.90578E-05	3.34747E-05	9.24958E-05	9.00988E-05	9.54899E-05	0.000100741	4.8936E-05	9.24958E-05	8.48332E-05
9.66044E-05	3.28774E-05	9.01053E-05	8.98445E-05	9.30771E-05	9.81844E-05	4.7796E-05	9.01053E-05	8.4579E-05
9.45655E-05	3.17933E-05	8.91454E-05	8.84492E-05	9.15102E-05	9.65051E-05	4.72255E-05	8.91454E-05	8.31675E-05
9.54182E-05	3.16711E-05	8.99967E-05	9.24069E-05	9.23672E-05	9.74355E-05	4.74318E-05	8.99967E-05	8.62367E-05
0.00010099	3.33175E-05	9.50536E-05	8.93061E-05	9.76857E-05	0.000103072	4.99322E-05	9.50536E-05	8.30973E-05
0.000111584	3.61188E-05	0.00010472	8.67572E-05	0.000107829	0.000113842	5.45186E-05	0.00010472	8.05172E-05
0.000126647	4.29718E-05	0.000116715	8.52196E-05	0.000121449	0.000128204	6.15587E-05	0.000116715	7.89626E-05
0.000138861	5.2423E-05	0.000125397	7.13266E-05	0.000131946	0.000139054	6.89302E-05	0.000125397	6.67843E-05
0.000140147	5.62107E-05	0.000124993	6.01176E-05	0.000132428	0.000139414	7.04887E-05	0.000124993	5.73417E-05
0.000137417	5.52454E-05	0.000120157	5.24497E-05	0.000128848	0.000135662	6.84343E-05	0.000120157	5.05314E-05
0.000131075	5.04963E-05	0.000113351	4.71794E-05	0.000122439	0.000129028	6.40167E-05	0.000113351	4.61557E-05
0.00011974	4.36804E-05	0.000105347	4.56933E-05	0.00011266	0.000118776	5.84284E-05	0.000105347	4.46551E-05
0.000110046	3.59885E-05	9.9346E-05	4.48668E-05	0.000104697	0.000110517	5.31018E-05	9.9346E-05	4.38211E-05
9.46401E-05	2.76277E-05	8.81835E-05	4.50302E-05	9.12619E-05	9.63826E-05	4.58614E-05	8.81835E-05	4.40004E-05
9.23426E-05	2.46486E-05	8.72188E-05	4.52135E-05	8.95973E-05	9.47163E-05	4.42118E-05	8.72188E-05	4.4188E-05
9.13805E-05	2.35417E-05	8.71218E-05	4.61122E-05	8.90217E-05	9.41188E-05	4.38303E-05	8.71218E-05	4.5103E-05
9.38043E-05	2.38406E-05	8.99647E-05	4.78753E-05	9.16113E-05	9.68547E-05	4.51235E-05	8.99647E-05	4.68934E-05
0.000100249	2.62144E-05	9.65513E-05	5.15115E-05	9.80508E-05	0.000103601	4.88403E-05	9.65513E-05	5.05786E-05
0.000108399	2.95331E-05	0.000103451	5.27056E-05	0.000105599	0.000111566	5.27032E-05	0.000103451	5.17641E-05
0.000111736	3.33164E-05	0.000107523	9.43609E-05	0.00010914	0.000115165	5.57186E-05	0.000107523	8.82741E-05
0.000106989	3.38372E-05	0.000103605	9.40281E-05	0.000104722	0.000110433	5.40915E-05	0.000103605	8.78997E-05
0.000104543	3.39511E-05	0.000100371	9.50698E-05	0.000101947	0.000107493	5.27807E-05	0.000100371	8.89344E-05
0.000102755	3.42811E-05	9.72515E-05	9.57734E-05	9.96014E-05	0.000105035	5.14294E-05	9.72515E-05	8.96375E-05
0.000102279	3.47673E-05	9.58151E-05	9.62262E-05	9.87165E-05	0.000104112	5.08793E-05	9.58151E-05	9.00937E-05
9.90578E-05	3.34747E-05	9.24958E-05	9.00988E-05	9.54899E-05	0.000100741	4.8936E-05	9.24958E-05	8.48332E-05
9.66044E-05	3.28774E-05	9.01053E-05	8.98445E-05	9.30771E-05	9.81844E-05	4.7796E-05	9.01053E-05	8.4579E-05
9.45655E-05	3.17933E-05	8.91454E-05	8.84492E-05	9.15102E-05	9.65051E-05	4.72255E-05	8.91454E-05	8.31675E-05
9.54182E-05	3.16711E-05	8.99967E-05	9.24069E-05	9.23672E-05	9.74355E-05	4.74318E-05	8.99967E-05	8.62367E-05
0.00010099	3.33175E-05	9.50536E-05	8.93061E-05	9.76857E-05	0.000103072	4.99322E-05	9.50536E-05	8.30973E-05
0.000111584	3.61188E-05	0.00010472	8.67572E-05	0.000107829	0.000113842	5.45186E-05	0.00010472	8.05172E-05
0.000126647	4.29718E-05	0.000116715	8.52196E-05	0.000121449	0.000128204	6.15587E-05	0.000116715	7.89626E-05
0.000138861	5.2423E-05	0.000125397	7.13266E-05	0.000131946	0.000139054	6.89302E-05	0.000125397	6.67843E-05

0.000140147	5.62107E-05	0.000124993	6.01176E-05	0.000132428	0.000139414	7.04887E-05	0.000124993	5.73417E-05
0.000137417	5.52454E-05	0.000120157	5.24497E-05	0.000128848	0.000135662	6.84343E-05	0.000120157	5.05314E-05
0.000131075	5.04963E-05	0.000113351	4.71794E-05	0.000122439	0.000129028	6.40167E-05	0.000113351	4.61557E-05
0.00011974	4.36804E-05	0.000105347	4.56933E-05	0.00011266	0.000118776	5.84284E-05	0.000105347	4.46551E-05
0.000110046	3.59885E-05	9.9346E-05	4.48668E-05	0.000104697	0.000110517	5.31018E-05	9.9346E-05	4.38211E-05
9.46401E-05	2.76277E-05	8.81835E-05	4.50302E-05	9.12619E-05	9.63826E-05	4.58614E-05	8.81835E-05	4.40004E-05
9.23426E-05	2.46486E-05	8.72188E-05	4.52135E-05	8.95973E-05	9.47163E-05	4.42118E-05	8.72188E-05	4.4188E-05
9.13805E-05	2.35417E-05	8.71218E-05	4.61122E-05	8.90217E-05	9.41188E-05	4.38303E-05	8.71218E-05	4.5103E-05
9.38043E-05	2.38406E-05	8.99647E-05	4.78753E-05	9.16113E-05	9.68547E-05	4.51235E-05	8.99647E-05	4.68934E-05
0.000100249	2.62144E-05	9.65513E-05	5.15115E-05	9.80508E-05	0.000103601	4.88403E-05	9.65513E-05	5.05786E-05
0.000108399	2.95331E-05	0.000103451	5.27056E-05	0.000105599	0.000111566	5.27032E-05	0.000103451	5.17641E-05
0.000111736	3.33164E-05	0.000107523	9.43609E-05	0.00010914	0.000115165	5.57186E-05	0.000107523	8.82741E-05
0.000106989	3.38372E-05	0.000103605	9.40281E-05	0.000104722	0.000110433	5.40915E-05	0.000103605	8.78997E-05
0.000104543	3.39511E-05	0.000100371	9.50698E-05	0.000101947	0.000107493	5.27807E-05	0.000100371	8.89344E-05
0.000102755	3.42811E-05	9.72515E-05	9.57734E-05	9.96014E-05	0.000105035	5.14294E-05	9.72515E-05	8.96375E-05
0.000102279	3.47673E-05	9.58151E-05	9.62262E-05	9.87165E-05	0.000104112	5.08793E-05	9.58151E-05	9.00937E-05
9.90578E-05	3.34747E-05	9.24958E-05	9.00988E-05	9.54899E-05	0.000100741	4.8936E-05	9.24958E-05	8.48332E-05
9.66044E-05	3.28774E-05	9.01053E-05	8.98445E-05	9.30771E-05	9.81844E-05	4.7796E-05	9.01053E-05	8.4579E-05
9.45655E-05	3.17933E-05	8.91454E-05	8.84492E-05	9.15102E-05	9.65051E-05	4.72255E-05	8.91454E-05	8.31675E-05
9.54182E-05	3.16711E-05	8.99967E-05	9.24069E-05	9.23672E-05	9.74355E-05	4.74318E-05	8.99967E-05	8.62367E-05
0.00010099	3.33175E-05	9.50536E-05	8.93061E-05	9.76857E-05	0.000103072	4.99322E-05	9.50536E-05	8.30973E-05
0.000111584	3.61188E-05	0.00010472	8.67572E-05	0.000107829	0.000113842	5.45186E-05	0.00010472	8.05172E-05
0.000126647	4.29718E-05	0.000116715	8.52196E-05	0.000121449	0.000128204	6.15587E-05	0.000116715	7.89626E-05
0.000138861	5.2423E-05	0.000125397	7.13266E-05	0.000131946	0.000139054	6.89302E-05	0.000125397	6.67843E-05
0.000140147	5.62107E-05	0.000124993	6.01176E-05	0.000132428	0.000139414	7.04887E-05	0.000124993	5.73417E-05
0.000137417	5.52454E-05	0.000120157	5.24497E-05	0.000128848	0.000135662	6.84343E-05	0.000120157	5.05314E-05
0.000131075	5.04963E-05	0.000113351	4.71794E-05	0.000122439	0.000129028	6.40167E-05	0.000113351	4.61557E-05
0.00011974	4.36804E-05	0.000105347	4.56933E-05	0.00011266	0.000118776	5.84284E-05	0.000105347	4.46551E-05
0.000110046	3.59885E-05	9.9346E-05	4.48668E-05	0.000104697	0.000110517	5.31018E-05	9.9346E-05	4.38211E-05
9.46401E-05	2.76277E-05	8.81835E-05	4.50302E-05	9.12619E-05	9.63826E-05	4.58614E-05	8.81835E-05	4.40004E-05
9.23426E-05	2.46486E-05	8.72188E-05	4.52135E-05	8.95973E-05	9.47163E-05	4.42118E-05	8.72188E-05	4.4188E-05
9.13805E-05	2.35417E-05	8.71218E-05	4.61122E-05	8.90217E-05	9.41188E-05	4.38303E-05	8.71218E-05	4.5103E-05
9.38043E-05	2.38406E-05	8.99647E-05	4.78753E-05	9.16113E-05	9.68547E-05	4.51235E-05	8.99647E-05	4.68934E-05
0.000100249	2.62144E-05	9.65513E-05	5.15115E-05	9.80508E-05	0.000103601	4.88403E-05	9.65513E-05	5.05786E-05
0.000108399	2.95331E-05	0.000103451	5.27056E-05	0.000105599	0.000111566	5.27032E-05	0.000103451	5.17641E-05
0.000111736	3.33164E-05	0.000107523	9.43609E-05	0.00010914	0.000115165	5.57186E-05	0.000107523	8.82741E-05
0.000106989	3.38372E-05	0.000103605	9.40281E-05	0.000104722	0.000110433	5.40915E-05	0.000103605	8.78997E-05
0.000104543	3.39511E-05	0.000100371	9.50698E-05	0.000101947	0.000107493	5.27807E-05	0.000100371	8.89344E-05
0.000102755	3.42811E-05	9.72515E-05	9.57734E-05	9.96014E-05	0.000105035	5.14294E-05	9.72515E-05	8.96375E-05
0.000102279	3.47673E-05	9.58151E-05	9.62262E-05	9.87165E-05	0.000104112	5.08793E-05	9.58151E-05	9.00937E-05
9.90578E-05	3.34747E-05	9.24958E-05	9.00988E-05	9.54899E-05	0.000100741	4.8936E-05	9.24958E-05	8.48332E-05
9.66044E-05	3.28774E-05	9.01053E-05	8.98445E-05	9.30771E-05	9.81844E-05	4.7796E-05	9.01053E-05	8.4579E-05
9.45655E-05	3.17933E-05	8.91454E-05	8.84492E-05	9.15102E-05	9.65051E-05	4.72255E-05	8.91454E-05	8.31675E-05
9.54182E-05	3.16711E-05	8.99967E-05	9.24069E-05	9.23672E-05	9.74355E-05	4.74318E-05	8.99967E-05	8.62367E-05
0.00010099	3.33175E-05	9.50536E-05	8.93061E-05	9.76857E-05	0.000103072	4.99322E-05	9.50536E-05	8.30973E-05
0.000111584	3.61188E-05	0.00010472	8.67572E-05	0.000107829	0.000113842	5.45186E-05	0.00010472	8.05172E-05
0.000126647	4.29718E-05	0.000116715	8.52196E-05	0.000121449	0.000128204	6.15587E-05	0.000116715	7.89626E-05
0.000138861	5.2423E-05	0.000125397	7.13266E-05	0.000131946	0.000139054	6.89302E-05	0.000125397	6.67843E-05
0.000140147	5.62107E-05	0.000124993	6.01176E-05	0.000132428	0.000139414	7.04887E-05	0.000124993	5.73417E-05
0.000137417	5.52454E-05	0.000120157	5.24497E-05	0.000128848	0.000135662	6.84343E-05	0.000120157	5.05314E-05
0.000131075	5.04963E-05	0.000113351	4.71794E-05	0.000122439	0.000129028	6.40167E-05	0.000113351	4.61557E-05
0.00011974	4.36804E-05	0.000105347	4.56933E-05	0.00011266	0.000118776	5.84284E-05	0.000105347	4.46551E-05
0.000110046	3.59885E-05	9.9346E-05	4.48668E-05	0.000104697	0.000110517	5.31018E-05	9.9346E-05	4.38211E-05
9.55723E-05	2.78359E-05	8.9178E-05	4.4745E-05	9.22146E-05	9.73882E-05	4.63453E-05	8.9178E-05	4.37106E-05
9.29311E-05	2.48028E-05	8.79492E-05	4.52787E-05	9.024E-05	9.53871E-05	4.46055E-05	8.79492E-05	4.42539E-05
9.1965E-05	2.36911E-05	8.78302E-05	4.62535E-05	8.96532E-05	9.47791E-05	4.42067E-05	8.78302E-05	4.52457E-05
9.44063E-05	2.3978E-05	9.06205E-05	4.80469E-05	9.2232E-05	9.75089E-05	4.54477E-05	9.06205E-05	4.7067E-05
0.000101077	2.64118E-05	9.74906E-05	5.18109E-05	9.89197E-05	0.000104514	4.93181E-05	9.74906E-05	5.08819E-05
0.0001094	2.97637E-05	0.00010455	5.31174E-05	0.000106635	0.000112656	5.32501E-05	0.00010455	5.21813E-05
0.000114371	3.362E-05	0.000108871	9.48201E-05	0.000111235	0.000117421	5.63969E-05	0.000108871	8.87391E-05
0.000107509	3.39858E-05	0.000104306	9.46769E-05	0.000105313	0.000111045	5.44872E-05	0.000104306	8.85557E-05
0.000105013	3.40899E-05	0.000101024	9.58543E-05	0.000102489	0.000108053	5.31555E-05	0.000101024	8.97269E-05
0.000103117	3.43653E-05	9.76529E-05	9.66346E-05	9.99776E-05	0.000105431	5.16303E-05	9.76529E-05	9.05074E-05
0.000102695	3.48641E-05	9.62762E-05	9.70469E-05	9.91484E-05	0.000104567	5.11102E-05	9.62762E-05	9.09225E-05
9.94298E-05	3.35638E-05	9.29195E-05	9.09408E-05	9.58809E-05	0.000101151	4.91522E-05	9.29195E-05	8.56833E-05
9.6995E-05	3.29771E-05	9.05781E-05	9.06627E-05	9.34989E-05	9.86254E-05	4.8047E-05	9.05781E-05	8.54047E-05
9.48217E-05	3.18973E-05	8.96291E-05	8.91764E-05	9.18569E-05	9.68554E-05	4.75396E-05	8.96291E-05	8.39017E-05
9.57638E-05	3.17846E-05	9.05288E-05	9.29787E-05	9.27862E-05	9.78657E-05	4.77519E-05	9.05288E-05	8.68136E-05
0.000101485	3.3458E-05	9.57165E-05	8.97116E-05	9.82458E-05	0.000103653	5.03052E-05	9.57165E-05	8.35064E-05
0.00011214	3.62593E-05	0.000105386	8.70986E-05	0.000108427	0.000114467	5.48701E-05	0.000105386	8.08618E-05
0.000127491	4.31762E-05	0.000117687	8.55182E-05	0.00012234	0.000129139	6.20586E-05	0.000117687	7.92642E-05
0.000139754	5.26465E-05	0.000126457	7.15305E-05	0.000132902	0.000140055	6.94868E-05	0.000126457	6.69901E-05
0.000141005	5.64167E-05	0.000125974	6.02391E-05	0.000133331	0.000140362	7.09898E-05	0.000125974	5.74638E-05
0.000136665	5.53832E-05	0.000120912	5.25705E-05	0.000128715	0.000135471	6.8814E-05	0.000120912	5.06528E-05
0.000131858	5.06775E-05	0.000114214	4.73312E-05	0.00012325	0.000129883	6.44478E-05	0.000114214	4.63085E-05
0.000120512	4.38587E-05	0.000106197	4.57261E-05	0.000113459	0.000119618	5.88518E-05	0.000106197	4.46866E-05

0.000110704	3.61508E-05	0.000100117	4.47209E-05	0.000105398	0.000111251	5.35028E-05	0.000100117	4.36711E-05
9.55723E-05	2.78359E-05	8.9178E-05	4.4745E-05	9.22146E-05	9.73882E-05	4.63453E-05	8.9178E-05	4.37106E-05
9.29311E-05	2.48028E-05	8.79492E-05	4.52787E-05	9.024E-05	9.53871E-05	4.46055E-05	8.79492E-05	4.42539E-05
9.1965E-05	2.36911E-05	8.78302E-05	4.62535E-05	8.96532E-05	9.47791E-05	4.42067E-05	8.78302E-05	4.52457E-05
9.44063E-05	2.3978E-05	9.06205E-05	4.80469E-05	9.2232E-05	9.75089E-05	4.54477E-05	9.06205E-05	4.7067E-05
0.000101077	2.64118E-05	9.74906E-05	5.18109E-05	9.89197E-05	0.000104514	4.93181E-05	9.74906E-05	5.08819E-05
0.0001094	2.97637E-05	0.00010455	5.31174E-05	0.000106635	0.000112656	5.32501E-05	0.00010455	5.21813E-05
0.000114371	3.362E-05	0.000108871	9.48201E-05	0.000111235	0.000117421	5.63969E-05	0.000108871	8.87391E-05
0.000107509	3.39858E-05	0.000104306	9.46769E-05	0.000105313	0.000111045	5.44872E-05	0.000104306	8.85557E-05
0.000105013	3.40899E-05	0.000101024	9.58543E-05	0.000102489	0.000108053	5.31555E-05	0.000101024	8.97269E-05
0.000103117	3.43653E-05	9.76529E-05	9.66346E-05	9.99776E-05	0.000105431	5.16303E-05	9.76529E-05	9.05074E-05
0.000102695	3.48641E-05	9.62762E-05	9.70469E-05	9.91484E-05	0.000104567	5.11102E-05	9.62762E-05	9.09225E-05
9.94298E-05	3.35638E-05	9.29195E-05	9.09408E-05	9.58809E-05	0.000101151	4.91522E-05	9.29195E-05	8.56833E-05
9.6995E-05	3.29771E-05	9.05781E-05	9.06627E-05	9.34989E-05	9.86254E-05	4.8047E-05	9.05781E-05	8.54047E-05
9.48217E-05	3.18973E-05	8.96291E-05	8.91764E-05	9.18569E-05	9.68554E-05	4.75396E-05	8.96291E-05	8.39017E-05
9.57638E-05	3.17846E-05	9.05288E-05	9.29787E-05	9.27862E-05	9.78657E-05	4.77519E-05	9.05288E-05	8.68136E-05
0.000101485	3.3458E-05	9.57165E-05	8.97116E-05	9.82458E-05	0.000103653	5.03052E-05	9.57165E-05	8.35064E-05
0.00011214	3.62593E-05	0.000105386	8.70986E-05	0.000108427	0.000114467	5.48701E-05	0.000105386	8.08618E-05
0.000127491	4.31762E-05	0.000117687	8.55182E-05	0.00012234	0.000129139	6.20586E-05	0.000117687	7.92642E-05
0.000139754	5.26465E-05	0.000126457	7.15305E-05	0.000132902	0.000140055	6.94868E-05	0.000126457	6.69901E-05
0.000141005	5.64167E-05	0.000125974	6.02391E-05	0.000133331	0.000140362	7.09898E-05	0.000125974	5.74638E-05
0.000136665	5.53832E-05	0.000120912	5.25705E-05	0.000128715	0.000135471	6.8814E-05	0.000120912	5.06528E-05
0.000131858	5.06775E-05	0.000114214	4.73312E-05	0.00012325	0.000129883	6.44478E-05	0.000114214	4.63085E-05
0.000120512	4.38587E-05	0.000106197	4.57261E-05	0.000113459	0.000119618	5.88518E-05	0.000106197	4.46866E-05
0.000110704	3.61508E-05	0.000100117	4.47209E-05	0.000105398	0.000111251	5.35028E-05	0.000100117	4.36711E-05
9.55723E-05	2.78359E-05	8.9178E-05	4.4745E-05	9.22146E-05	9.73882E-05	4.63453E-05	8.9178E-05	4.37106E-05
9.29311E-05	2.48028E-05	8.79492E-05	4.52787E-05	9.024E-05	9.53871E-05	4.46055E-05	8.79492E-05	4.42539E-05
9.1965E-05	2.36911E-05	8.78302E-05	4.62535E-05	8.96532E-05	9.47791E-05	4.42067E-05	8.78302E-05	4.52457E-05
9.44063E-05	2.3978E-05	9.06205E-05	4.80469E-05	9.2232E-05	9.75089E-05	4.54477E-05	9.06205E-05	4.7067E-05
0.000101077	2.64118E-05	9.74906E-05	5.18109E-05	9.89197E-05	0.000104514	4.93181E-05	9.74906E-05	5.08819E-05
0.0001094	2.97637E-05	0.00010455	5.31174E-05	0.000106635	0.000112656	5.32501E-05	0.00010455	5.21813E-05
0.000114371	3.362E-05	0.000108871	9.48201E-05	0.000111235	0.000117421	5.63969E-05	0.000108871	8.87391E-05
0.000107509	3.39858E-05	0.000104306	9.46769E-05	0.000105313	0.000111045	5.44872E-05	0.000104306	8.85557E-05
0.000105013	3.40899E-05	0.000101024	9.58543E-05	0.000102489	0.000108053	5.31555E-05	0.000101024	8.97269E-05
0.000103117	3.43653E-05	9.76529E-05	9.66346E-05	9.99776E-05	0.000105431	5.16303E-05	9.76529E-05	9.05074E-05
0.000102695	3.48641E-05	9.62762E-05	9.70469E-05	9.91484E-05	0.000104567	5.11102E-05	9.62762E-05	9.09225E-05
9.94298E-05	3.35638E-05	9.29195E-05	9.09408E-05	9.58809E-05	0.000101151	4.91522E-05	9.29195E-05	8.56833E-05
9.6995E-05	3.29771E-05	9.05781E-05	9.06627E-05	9.34989E-05	9.86254E-05	4.8047E-05	9.05781E-05	8.54047E-05
9.48217E-05	3.18973E-05	8.96291E-05	8.91764E-05	9.18569E-05	9.68554E-05	4.75396E-05	8.96291E-05	8.39017E-05
9.57638E-05	3.17846E-05	9.05288E-05	9.29787E-05	9.27862E-05	9.78657E-05	4.77519E-05	9.05288E-05	8.68136E-05
0.000101485	3.3458E-05	9.57165E-05	8.97116E-05	9.82458E-05	0.000103653	5.03052E-05	9.57165E-05	8.35064E-05
0.00011214	3.62593E-05	0.000105386	8.70986E-05	0.000108427	0.000114467	5.48701E-05	0.000105386	8.08618E-05
0.000127491	4.31762E-05	0.000117687	8.55182E-05	0.00012234	0.000129139	6.20586E-05	0.000117687	7.92642E-05
0.000139754	5.26465E-05	0.000126457	7.15305E-05	0.000132902	0.000140055	6.94868E-05	0.000126457	6.69901E-05
0.000141005	5.64167E-05	0.000125974	6.02391E-05	0.000133331	0.000140362	7.09898E-05	0.000125974	5.74638E-05
0.000136665	5.53832E-05	0.000120912	5.25705E-05	0.000128715	0.000135471	6.8814E-05	0.000120912	5.06528E-05
0.000131858	5.06775E-05	0.000114214	4.73312E-05	0.00012325	0.000129883	6.44478E-05	0.000114214	4.63085E-05
0.000120512	4.38587E-05	0.000106197	4.57261E-05	0.000113459	0.000119618	5.88518E-05	0.000106197	4.46866E-05
0.000110704	3.61508E-05	0.000100117	4.47209E-05	0.000105398	0.000111251	5.35028E-05	0.000100117	4.36711E-05
9.46401E-05	2.76277E-05	8.81835E-05	4.50302E-05	9.12619E-05	9.63826E-05	4.58614E-05	8.81835E-05	4.40004E-05
9.23426E-05	2.46486E-05	8.72188E-05	4.52135E-05	8.95973E-05	9.47163E-05	4.42118E-05	8.72188E-05	4.4188E-05
9.13805E-05	2.35417E-05	8.71218E-05	4.61122E-05	8.90217E-05	9.41188E-05	4.38303E-05	8.71218E-05	4.5103E-05
9.38043E-05	2.38406E-05	8.99647E-05	4.78753E-05	9.16113E-05	9.68547E-05	4.51235E-05	8.99647E-05	4.68934E-05
0.000100249	2.62144E-05	9.65513E-05	5.15115E-05	9.80508E-05	0.000103601	4.88403E-05	9.65513E-05	5.05786E-05
0.000108399	2.95331E-05	0.000103451	5.27056E-05	0.000105599	0.000111566	5.27032E-05	0.000103451	5.17641E-05
0.000111736	3.33164E-05	0.000107523	9.43609E-05	0.00010914	0.000115165	5.57186E-05	0.000107523	8.82741E-05
0.000106989	3.38372E-05	0.000103605	9.40281E-05	0.000104722	0.000110433	5.40915E-05	0.000103605	8.78997E-05
0.000104543	3.39511E-05	0.000100371	9.50698E-05	0.000101947	0.000107493	5.27807E-05	0.000100371	8.89344E-05
0.000102755	3.42811E-05	9.72515E-05	9.57734E-05	9.96014E-05	0.000105035	5.14294E-05	9.72515E-05	8.96375E-05
0.000102279	3.47673E-05	9.58151E-05	9.62262E-05	9.87165E-05	0.000104112	5.08793E-05	9.58151E-05	9.00937E-05
9.90578E-05	3.34747E-05	9.24958E-05	9.00988E-05	9.54899E-05	0.000100741	4.8936E-05	9.24958E-05	8.48332E-05
9.66044E-05	3.28774E-05	9.01053E-05	8.98445E-05	9.30771E-05	9.81844E-05	4.7796E-05	9.01053E-05	8.4579E-05
9.45655E-05	3.17933E-05	8.91454E-05	8.84492E-05	9.15102E-05	9.65051E-05	4.72255E-05	8.91454E-05	8.31675E-05
9.54182E-05	3.16711E-05	8.99967E-05	9.24069E-05	9.23672E-05	9.74355E-05	4.74318E-05	8.99967E-05	8.62367E-05
0.00010099	3.33175E-05	9.50536E-05	8.93061E-05	9.76857E-05	0.000103072	4.99322E-05	9.50536E-05	8.30973E-05
0.000111584	3.61188E-05	0.00010472	8.67572E-05	0.000107829	0.000113842	5.45186E-05	0.00010472	8.05172E-05
0.000126647	4.29718E-05	0.000116715	8.52196E-05	0.000121449	0.000128204	6.15587E-05	0.000116715	7.89626E-05
0.000138861	5.2423E-05	0.000125397	7.13266E-05	0.000131946	0.000139054	6.89302E-05	0.000125397	6.67843E-05
0.000140147	5.62107E-05	0.000124993	6.01176E-05	0.000132428	0.000139414	7.04887E-05	0.000124993	5.73417E-05
0.000137417	5.52454E-05	0.000120157	5.24497E-05	0.000128848	0.000135662	6.84343E-05	0.000120157	5.05314E-05
0.000131075	5.04963E-05	0.000113351	4.71794E-05	0.000122439	0.000129028	6.40167E-05	0.000113351	4.61557E-05
0.00011974	4.36804E-05	0.000105347	4.56933E-05	0.00011266	0.000118776	5.84284E-05	0.000105347	4.46551E-05
0.000110046	3.59885E-05	9.9346E-05	4.48668E-05	0.000104697	0.000110517	5.31018E-05	9.9346E-05	4.38211E-05
9.46401E-05	2.76277E-05	8.81835E-05	4.50302E-05	9.12619E-05	9.63826E-05	4.58614E-05	8.81835E-05	4.40004E-05
9.23426E-05	2.46486E-05	8.72188E-05	4.52135E-05	8.95973E-05	9.47163E-05	4.42118E-05	8.72188E-05	4.4188E-05
9.13805E-05	2.35417E-05	8.71218E-05	4.61122E-05	8.90217E-05	9.41188E-05	4.38303E-05	8.71218E-05	4.5103E-05

9.38043E-05	2.38406E-05	8.99647E-05	4.78753E-05	9.16113E-05	9.68547E-05	4.51235E-05	8.99647E-05	4.68934E-05
0.000100249	2.62144E-05	9.65513E-05	5.15115E-05	9.80508E-05	0.000103601	4.88403E-05	9.65513E-05	5.05786E-05
0.000108399	2.95331E-05	0.000103451	5.27056E-05	0.000105599	0.000111566	5.27032E-05	0.000103451	5.17641E-05
0.000111736	3.33164E-05	0.000107523	9.43609E-05	0.00010914	0.000115165	5.57186E-05	0.000107523	8.82741E-05
0.000106989	3.38372E-05	0.000103605	9.40281E-05	0.000104722	0.000110433	5.40915E-05	0.000103605	8.78997E-05
0.000104543	3.39511E-05	0.000100371	9.50698E-05	0.000101947	0.000107493	5.27807E-05	0.000100371	8.89344E-05
0.000102755	3.42811E-05	9.72515E-05	9.57734E-05	9.96014E-05	0.000105035	5.14294E-05	9.72515E-05	8.96375E-05
0.000102279	3.47673E-05	9.58151E-05	9.62262E-05	9.87165E-05	0.000104112	5.08793E-05	9.58151E-05	9.00937E-05
9.90578E-05	3.34747E-05	9.24958E-05	9.00988E-05	9.54899E-05	0.000100741	4.8936E-05	9.24958E-05	8.48332E-05
9.66044E-05	3.28774E-05	9.01053E-05	8.98445E-05	9.30771E-05	9.81844E-05	4.7796E-05	9.01053E-05	8.4579E-05
9.45655E-05	3.17933E-05	8.91454E-05	8.84492E-05	9.15102E-05	9.65051E-05	4.72255E-05	8.91454E-05	8.31675E-05
9.54182E-05	3.16711E-05	8.99967E-05	9.24069E-05	9.23672E-05	9.74355E-05	4.74318E-05	8.99967E-05	8.62367E-05
0.00010099	3.33175E-05	9.50536E-05	8.93061E-05	9.76857E-05	0.000103072	4.99322E-05	9.50536E-05	8.30973E-05
0.000111584	3.61188E-05	0.00010472	8.67572E-05	0.000107829	0.000113842	5.45186E-05	0.00010472	8.05172E-05
0.000126647	4.29718E-05	0.000116715	8.52196E-05	0.000121449	0.000128204	6.15587E-05	0.000116715	7.89626E-05
0.000138861	5.2423E-05	0.000125397	7.13266E-05	0.000131946	0.000139054	6.89302E-05	0.000125397	6.67843E-05
0.000140147	5.62107E-05	0.000124993	6.01176E-05	0.000132428	0.000139414	7.04887E-05	0.000124993	5.73417E-05
0.000137417	5.52454E-05	0.000120157	5.24497E-05	0.000128848	0.000135662	6.84343E-05	0.000120157	5.05314E-05
0.000131075	5.04963E-05	0.000113351	4.71794E-05	0.000122439	0.000129028	6.40167E-05	0.000113351	4.61557E-05
0.00011974	4.36804E-05	0.000105347	4.56933E-05	0.00011266	0.000118776	5.84284E-05	0.000105347	4.46551E-05
0.000110046	3.59885E-05	9.9346E-05	4.48668E-05	0.000104697	0.000110517	5.31018E-05	9.9346E-05	4.38211E-05
9.46401E-05	2.76277E-05	8.81835E-05	4.50302E-05	9.12619E-05	9.63826E-05	4.58614E-05	8.81835E-05	4.40004E-05
9.23426E-05	2.46486E-05	8.72188E-05	4.52135E-05	8.95973E-05	9.47163E-05	4.42118E-05	8.72188E-05	4.4188E-05
9.13805E-05	2.35417E-05	8.71218E-05	4.61122E-05	8.90217E-05	9.41188E-05	4.38303E-05	8.71218E-05	4.5103E-05
9.38043E-05	2.38406E-05	8.99647E-05	4.78753E-05	9.16113E-05	9.68547E-05	4.51235E-05	8.99647E-05	4.68934E-05
0.000100249	2.62144E-05	9.65513E-05	5.15115E-05	9.80508E-05	0.000103601	4.88403E-05	9.65513E-05	5.05786E-05
0.000108399	2.95331E-05	0.000103451	5.27056E-05	0.000105599	0.000111566	5.27032E-05	0.000103451	5.17641E-05
0.000111736	3.33164E-05	0.000107523	9.43609E-05	0.00010914	0.000115165	5.57186E-05	0.000107523	8.82741E-05
0.000106989	3.38372E-05	0.000103605	9.40281E-05	0.000104722	0.000110433	5.40915E-05	0.000103605	8.78997E-05
0.000104543	3.39511E-05	0.000100371	9.50698E-05	0.000101947	0.000107493	5.27807E-05	0.000100371	8.89344E-05
0.000102755	3.42811E-05	9.72515E-05	9.57734E-05	9.96014E-05	0.000105035	5.14294E-05	9.72515E-05	8.96375E-05
0.000102279	3.47673E-05	9.58151E-05	9.62262E-05	9.87165E-05	0.000104112	5.08793E-05	9.58151E-05	9.00937E-05
9.90578E-05	3.34747E-05	9.24958E-05	9.00988E-05	9.54899E-05	0.000100741	4.8936E-05	9.24958E-05	8.48332E-05
9.66044E-05	3.28774E-05	9.01053E-05	8.98445E-05	9.30771E-05	9.81844E-05	4.7796E-05	9.01053E-05	8.4579E-05
9.45655E-05	3.17933E-05	8.91454E-05	8.84492E-05	9.15102E-05	9.65051E-05	4.72255E-05	8.91454E-05	8.31675E-05
9.54182E-05	3.16711E-05	8.99967E-05	9.24069E-05	9.23672E-05	9.74355E-05	4.74318E-05	8.99967E-05	8.62367E-05
0.00010099	3.33175E-05	9.50536E-05	8.93061E-05	9.76857E-05	0.000103072	4.99322E-05	9.50536E-05	8.30973E-05
0.000111584	3.61188E-05	0.00010472	8.67572E-05	0.000107829	0.000113842	5.45186E-05	0.00010472	8.05172E-05
0.000126647	4.29718E-05	0.000116715	8.52196E-05	0.000121449	0.000128204	6.15587E-05	0.000116715	7.89626E-05
0.000138861	5.2423E-05	0.000125397	7.13266E-05	0.000131946	0.000139054	6.89302E-05	0.000125397	6.67843E-05
0.000140147	5.62107E-05	0.000124993	6.01176E-05	0.000132428	0.000139414	7.04887E-05	0.000124993	5.73417E-05
0.000137417	5.52454E-05	0.000120157	5.24497E-05	0.000128848	0.000135662	6.84343E-05	0.000120157	5.05314E-05
0.000131075	5.04963E-05	0.000113351	4.71794E-05	0.000122439	0.000129028	6.40167E-05	0.000113351	4.61557E-05
0.00011974	4.36804E-05	0.000105347	4.56933E-05	0.00011266	0.000118776	5.84284E-05	0.000105347	4.46551E-05
0.000110046	3.59885E-05	9.9346E-05	4.48668E-05	0.000104697	0.000110517	5.31018E-05	9.9346E-05	4.38211E-05
9.46401E-05	2.76277E-05	8.81835E-05	4.50302E-05	9.12619E-05	9.63826E-05	4.58614E-05	8.81835E-05	4.40004E-05
9.23426E-05	2.46486E-05	8.72188E-05	4.52135E-05	8.95973E-05	9.47163E-05	4.42118E-05	8.72188E-05	4.4188E-05
9.13805E-05	2.35417E-05	8.71218E-05	4.61122E-05	8.90217E-05	9.41188E-05	4.38303E-05	8.71218E-05	4.5103E-05
9.38043E-05	2.38406E-05	8.99647E-05	4.78753E-05	9.16113E-05	9.68547E-05	4.51235E-05	8.99647E-05	4.68934E-05
0.000100249	2.62144E-05	9.65513E-05	5.15115E-05	9.80508E-05	0.000103601	4.88403E-05	9.65513E-05	5.05786E-05
0.000108399	2.95331E-05	0.000103451	5.27056E-05	0.000105599	0.000111566	5.27032E-05	0.000103451	5.17641E-05
0.000111736	3.33164E-05	0.000107523	9.43609E-05	0.00010914	0.000115165	5.57186E-05	0.000107523	8.82741E-05
0.000106989	3.38372E-05	0.000103605	9.40281E-05	0.000104722	0.000110433	5.40915E-05	0.000103605	8.78997E-05
0.000104543	3.39511E-05	0.000100371	9.50698E-05	0.000101947	0.000107493	5.27807E-05	0.000100371	8.89344E-05
0.000102755	3.42811E-05	9.72515E-05	9.57734E-05	9.96014E-05	0.000105035	5.14294E-05	9.72515E-05	8.96375E-05
0.000102279	3.47673E-05	9.58151E-05	9.62262E-05	9.87165E-05	0.000104112	5.08793E-05	9.58151E-05	9.00937E-05
9.90578E-05	3.34747E-05	9.24958E-05	9.00988E-05	9.54899E-05	0.000100741	4.8936E-05	9.24958E-05	8.48332E-05
9.66044E-05	3.28774E-05	9.01053E-05	8.98445E-05	9.30771E-05	9.81844E-05	4.7796E-05	9.01053E-05	8.4579E-05
9.45655E-05	3.17933E-05	8.91454E-05	8.84492E-05	9.15102E-05	9.65051E-05	4.72255E-05	8.91454E-05	8.31675E-05
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0.00010099	3.33175E-05	9.50536E-05	8.93061E-05	9.76857E-05	0.000103072	4.99322E-05	9.50536E-05	8.30973E-05
0.000111584	3.61188E-05	0.00010472	8.67572E-05	0.000107829	0.000113842	5.45186E-05	0.00010472	8.05172E-05
0.000126647	4.29718E-05	0.000116715	8.52196E-05	0.000121449	0.000128204	6.15587E-05	0.000116715	7.89626E-05
0.000138861	5.2423E-05	0.000125397	7.13266E-05	0.000131946	0.000139054	6.89302E-05	0.000125397	6.67843E-05
0.000140147	5.62107E-05	0.000124993	6.01176E-05	0.000132428	0.000139414	7.04887E-05	0.000124993	5.73417E-05
0.000137417	5.52454E-05	0.000120157	5.24497E-05	0.000128848	0.000135662	6.84343E-05	0.000120157	5.05314E-05
0.000131075	5.04963E-05	0.000113351	4.71794E-05	0.000122439	0.000129028	6.40167E-05	0.000113351	4.61557E-05
0.00011974	4.36804E-05	0.000105347	4.56933E-05	0.00011266	0.000118776	5.84284E-05	0.000105347	4.46551E-05
0.000110046	3.59885E-05	9.9346E-05	4.48668E-05	0.000104697	0.000110517	5.31018E-05	9.9346E-05	4.38211E-05
9.55723E-05	2.78359E-05	8.9178E-05	4.4745E-05	9.22146E-05	9.73882E-05	4.63453E-05	8.9178E-05	4.37106E-05
9.29311E-05	2.48028E-05	8.79492E-05	4.52787E-05	9.024E-05	9.53871E-05	4.46055E-05	8.79492E-05	4.42539E-05
9.1965E-05	2.36911E-05	8.78302E-05	4.62535E-05	8.96532E-05	9.47791E-05	4.42067E-05	8.78302E-05	4.52457E-05
9.44063E-05	2.3978E-05	9.06205E-05	4.80469E-05	9.2232E-05	9.75089E-05	4.54477E-05	9.06205E-05	4.7067E-05
0.000101077	2.64118E-05	9.74906E-05	5.18109E-05	9.89197E-05	0.000104514	4.93181E-05	9.74906E-05	5.08819E-05
0.0001094	2.97637E-05	0.00010455	5.31174E-05	0.000106635	0.000112656	5.32501E-05	0.00010455	5.21813E-05
0.000114371	3.362E-05	0.000108871	9.48201E-05	0.000111235	0.000117421	5.63969E-05	0.000108871	8.87391E-05

0.000107509	3.39858E-05	0.000104306	9.46769E-05	0.000105313	0.000111045	5.44872E-05	0.000104306	8.85557E-05
0.000105013	3.40899E-05	0.000101024	9.58543E-05	0.000102489	0.000108053	5.31555E-05	0.000101024	8.97269E-05
0.000103117	3.43653E-05	9.76529E-05	9.66346E-05	9.99776E-05	0.000105431	5.16303E-05	9.76529E-05	9.05074E-05
0.000102695	3.48641E-05	9.62762E-05	9.70469E-05	9.91484E-05	0.000104567	5.11102E-05	9.62762E-05	9.09225E-05
9.94298E-05	3.35638E-05	9.29195E-05	9.09408E-05	9.58809E-05	0.000101151	4.91522E-05	9.29195E-05	8.56833E-05
9.6995E-05	3.29771E-05	9.05781E-05	9.06627E-05	9.34989E-05	9.86254E-05	4.8047E-05	9.05781E-05	8.54047E-05
9.48217E-05	3.18973E-05	8.96291E-05	8.91764E-05	9.18569E-05	9.68554E-05	4.75396E-05	8.96291E-05	8.39017E-05
9.57638E-05	3.17846E-05	9.05288E-05	9.29787E-05	9.27862E-05	9.78657E-05	4.77519E-05	9.05288E-05	8.68136E-05
0.000101485	3.3458E-05	9.57165E-05	8.97116E-05	9.82458E-05	0.000103653	5.03052E-05	9.57165E-05	8.35064E-05
0.00011214	3.62593E-05	0.000105386	8.70986E-05	0.000108427	0.000114467	5.48701E-05	0.000105386	8.08618E-05
0.000127491	4.31762E-05	0.000117687	8.55182E-05	0.00012234	0.000129139	6.20586E-05	0.000117687	7.92642E-05
0.000139754	5.26465E-05	0.000126457	7.15305E-05	0.000132902	0.000140055	6.94868E-05	0.000126457	6.69901E-05
0.000141005	5.64167E-05	0.000125974	6.02391E-05	0.000133331	0.000140362	7.09898E-05	0.000125974	5.74638E-05
0.000136665	5.53832E-05	0.000120912	5.25705E-05	0.000128715	0.000135471	6.8814E-05	0.000120912	5.06528E-05
0.000131858	5.06775E-05	0.000114214	4.73312E-05	0.00012325	0.000129883	6.44478E-05	0.000114214	4.63085E-05
0.000120512	4.38587E-05	0.000106197	4.57261E-05	0.000113459	0.000119618	5.88518E-05	0.000106197	4.46866E-05
0.000110704	3.61508E-05	0.000100117	4.47209E-05	0.000105398	0.000111251	5.35028E-05	0.000100117	4.36711E-05
9.55723E-05	2.78359E-05	8.9178E-05	4.4745E-05	9.22146E-05	9.73882E-05	4.63453E-05	8.9178E-05	4.37106E-05
9.29311E-05	2.48028E-05	8.79492E-05	4.52787E-05	9.024E-05	9.53871E-05	4.46055E-05	8.79492E-05	4.42539E-05
9.1965E-05	2.36911E-05	8.78302E-05	4.62535E-05	8.96532E-05	9.47791E-05	4.42067E-05	8.78302E-05	4.52457E-05
9.44063E-05	2.3978E-05	9.06205E-05	4.80469E-05	9.2232E-05	9.75089E-05	4.54477E-05	9.06205E-05	4.7067E-05
0.000101077	2.64118E-05	9.74906E-05	5.18109E-05	9.89197E-05	0.000104514	4.93181E-05	9.74906E-05	5.08819E-05
0.0001094	2.97637E-05	0.00010455	5.31174E-05	0.000106635	0.000112656	5.32501E-05	0.00010455	5.21813E-05
0.000114371	3.362E-05	0.000108871	9.48201E-05	0.000111235	0.000117421	5.63969E-05	0.000108871	8.87391E-05
0.000107509	3.39858E-05	0.000104306	9.46769E-05	0.000105313	0.000111045	5.44872E-05	0.000104306	8.85557E-05
0.000105013	3.40899E-05	0.000101024	9.58543E-05	0.000102489	0.000108053	5.31555E-05	0.000101024	8.97269E-05
0.000103117	3.43653E-05	9.76529E-05	9.66346E-05	9.99776E-05	0.000105431	5.16303E-05	9.76529E-05	9.05074E-05
0.000102695	3.48641E-05	9.62762E-05	9.70469E-05	9.91484E-05	0.000104567	5.11102E-05	9.62762E-05	9.09225E-05
9.94298E-05	3.35638E-05	9.29195E-05	9.09408E-05	9.58809E-05	0.000101151	4.91522E-05	9.29195E-05	8.56833E-05
9.6995E-05	3.29771E-05	9.05781E-05	9.06627E-05	9.34989E-05	9.86254E-05	4.8047E-05	9.05781E-05	8.54047E-05
9.48217E-05	3.18973E-05	8.96291E-05	8.91764E-05	9.18569E-05	9.68554E-05	4.75396E-05	8.96291E-05	8.39017E-05
9.57638E-05	3.17846E-05	9.05288E-05	9.29787E-05	9.27862E-05	9.78657E-05	4.77519E-05	9.05288E-05	8.68136E-05
0.000101485	3.3458E-05	9.57165E-05	8.97116E-05	9.82458E-05	0.000103653	5.03052E-05	9.57165E-05	8.35064E-05
0.00011214	3.62593E-05	0.000105386	8.70986E-05	0.000108427	0.000114467	5.48701E-05	0.000105386	8.08618E-05
0.000127491	4.31762E-05	0.000117687	8.55182E-05	0.00012234	0.000129139	6.20586E-05	0.000117687	7.92642E-05
0.000139754	5.26465E-05	0.000126457	7.15305E-05	0.000132902	0.000140055	6.94868E-05	0.000126457	6.69901E-05
0.000141005	5.64167E-05	0.000125974	6.02391E-05	0.000133331	0.000140362	7.09898E-05	0.000125974	5.74638E-05
0.000136665	5.53832E-05	0.000120912	5.25705E-05	0.000128715	0.000135471	6.8814E-05	0.000120912	5.06528E-05
0.000131858	5.06775E-05	0.000114214	4.73312E-05	0.00012325	0.000129883	6.44478E-05	0.000114214	4.63085E-05
0.000120512	4.38587E-05	0.000106197	4.57261E-05	0.000113459	0.000119618	5.88518E-05	0.000106197	4.46866E-05
0.000110704	3.61508E-05	0.000100117	4.47209E-05	0.000105398	0.000111251	5.35028E-05	0.000100117	4.36711E-05
9.46401E-05	2.76277E-05	8.81835E-05	4.50302E-05	9.12619E-05	9.63826E-05	4.58614E-05	8.81835E-05	4.40004E-05
9.23426E-05	2.46486E-05	8.72188E-05	4.52135E-05	8.95973E-05	9.47163E-05	4.42118E-05	8.72188E-05	4.4188E-05
9.13805E-05	2.35417E-05	8.71218E-05	4.61122E-05	8.90217E-05	9.41188E-05	4.38303E-05	8.71218E-05	4.5103E-05
9.38043E-05	2.38406E-05	8.99647E-05	4.78753E-05	9.16113E-05	9.68547E-05	4.51235E-05	8.99647E-05	4.68934E-05
0.000100249	2.62144E-05	9.65513E-05	5.15115E-05	9.80508E-05	0.000103601	4.88403E-05	9.65513E-05	5.05786E-05
0.000108399	2.95331E-05	0.000103451	5.27056E-05	0.000105599	0.000111566	5.27032E-05	0.000103451	5.17641E-05
0.000111736	3.33164E-05	0.000107523	9.43609E-05	0.00010914	0.000115165	5.57186E-05	0.000107523	8.82741E-05
0.000106989	3.38372E-05	0.000103605	9.40281E-05	0.000104722	0.000110433	5.40915E-05	0.000103605	8.78997E-05
0.000104543	3.39511E-05	0.000100371	9.50698E-05	0.000101947	0.000107493	5.27807E-05	0.000100371	8.89344E-05
0.000102755	3.42811E-05	9.72515E-05	9.57734E-05	9.96014E-05	0.000105035	5.14294E-05	9.72515E-05	8.96375E-05
0.000102279	3.47673E-05	9.58151E-05	9.62262E-05	9.87165E-05	0.000104112	5.08793E-05	9.58151E-05	9.00937E-05
9.90578E-05	3.34747E-05	9.24958E-05	9.00988E-05	9.54899E-05	0.000100741	4.8936E-05	9.24958E-05	8.48332E-05
9.66044E-05	3.28774E-05	9.01053E-05	8.98445E-05	9.30771E-05	9.81844E-05	4.7796E-05	9.01053E-05	8.4579E-05
9.45655E-05	3.17933E-05	8.91454E-05	8.84492E-05	9.15102E-05	9.65051E-05	4.72255E-05	8.91454E-05	8.31675E-05
9.54182E-05	3.16711E-05	8.99967E-05	9.24069E-05	9.23672E-05	9.74355E-05	4.74318E-05	8.99967E-05	8.62367E-05
0.00010099	3.33175E-05	9.50536E-05	8.93061E-05	9.76857E-05	0.000103072	4.99322E-05	9.50536E-05	8.30973E-05
0.000111584	3.61188E-05	0.00010472	8.67572E-05	0.000107829	0.000113842	5.45186E-05	0.00010472	8.05172E-05
0.000126647	4.29718E-05	0.000116715	8.52196E-05	0.000121449	0.000128204	6.15587E-05	0.000116715	7.89626E-05
0.000138861	5.2423E-05	0.000125397	7.13266E-05	0.000131946	0.000139054	6.89302E-05	0.000125397	6.67843E-05
0.000140147	5.62107E-05	0.000124993	6.01176E-05	0.000132428	0.000139414	7.04887E-05	0.000124993	5.73417E-05
0.000137417	5.52454E-05	0.000120157	5.24497E-05	0.000128848	0.000135662	6.84343E-05	0.000120157	5.05314E-05
0.000131075	5.04963E-05	0.000113351	4.71794E-05	0.000122439	0.000129028	6.40167E-05	0.000113351	4.61557E-05
0.00011974	4.36804E-05	0.000105347	4.56933E-05	0.00011266	0.000118776	5.84284E-05	0.000105347	4.46551E-05
0.000110046	3.59885E-05	9.9346E-05	4.48668E-05	0.000104697	0.000110517	5.31018E-05	9.9346E-05	4.38211E-05
9.46401E-05	2.76277E-05	8.81835E-05	4.50302E-05	9.12619E-05	9.63826E-05	4.58614E-05	8.81835E-05	4.40004E-05
9.23426E-05	2.46486E-05	8.72188E-05	4.52135E-05	8.95973E-05	9.47163E-05	4.42118E-05	8.72188E-05	4.4188E-05
9.13805E-05	2.35417E-05	8.71218E-05	4.61122E-05	8.90217E-05	9.41188E-05	4.38303E-05	8.71218E-05	4.5103E-05
9.38043E-05	2.38406E-05	8.99647E-05	4.78753E-05	9.16113E-05	9.68547E-05	4.51235E-05	8.99647E-05	4.68934E-05
0.000100249	2.62144E-05	9.65513E-05	5.15115E-05	9.80508E-05	0.000103601	4.88403E-05	9.65513E-05	5.05786E-05
0.000108399	2.95331E-05	0.000103451	5.27056E-05	0.000105599	0.000111566	5.27032E-05	0.000103451	5.17641E-05
0.000111736	3.33164E-05	0.000107523	9.43609E-05	0.00010914	0.000115165	5.57186E-05	0.000107523	8.82741E-05
0.000106989	3.38372E-05	0.000103605	9.40281E-05	0.000104722	0.000110433	5.40915E-05	0.000103605	8.78997E-05
0.000104543	3.39511E-05	0.000100371	9.50698E-05	0.000101947	0.000107493	5.27807E-05	0.000100371	8.89344E-05
0.000102755	3.42811E-05	9.72515E-05	9.57734E-05	9.96014E-05	0.000105035	5.14294E-05	9.72515E-05	8.96375E-05
0.000102279	3.47673E-05	9.58151E-05	9.62262E-05	9.87165E-05	0.000104112	5.08793E-05	9.58151E-05	9.00937E-05

9.90578E-05	3.34747E-05	9.24958E-05	9.00988E-05	9.54899E-05	0.000100741	4.8936E-05	9.24958E-05	8.48332E-05
9.66044E-05	3.28774E-05	9.01053E-05	8.98445E-05	9.30771E-05	9.81844E-05	4.7796E-05	9.01053E-05	8.4579E-05
9.45655E-05	3.17933E-05	8.91454E-05	8.84492E-05	9.15102E-05	9.65051E-05	4.72255E-05	8.91454E-05	8.31675E-05
9.54182E-05	3.16711E-05	8.99967E-05	9.24069E-05	9.23672E-05	9.74355E-05	4.74318E-05	8.99967E-05	8.62367E-05
0.00010099	3.33175E-05	9.50536E-05	8.93061E-05	9.76857E-05	0.000103072	4.99322E-05	9.50536E-05	8.30973E-05
0.000111584	3.61188E-05	0.00010472	8.67572E-05	0.000107829	0.000113842	5.45186E-05	0.00010472	8.05172E-05
0.000126647	4.29718E-05	0.000116715	8.52196E-05	0.000121449	0.000128204	6.15587E-05	0.000116715	7.89626E-05
0.000138861	5.2423E-05	0.000125397	7.13266E-05	0.000131946	0.000139054	6.89302E-05	0.000125397	6.67843E-05
0.000140147	5.62107E-05	0.000124993	6.01176E-05	0.000132428	0.000139414	7.04887E-05	0.000124993	5.73417E-05
0.000137417	5.52454E-05	0.000120157	5.24497E-05	0.000128848	0.000135662	6.84343E-05	0.000120157	5.05314E-05
0.000131075	5.04963E-05	0.000113351	4.71794E-05	0.000122439	0.000129028	6.40167E-05	0.000113351	4.61557E-05
0.00011974	4.36804E-05	0.000105347	4.56933E-05	0.00011266	0.000118776	5.84284E-05	0.000105347	4.46551E-05
0.000110046	3.59885E-05	9.9346E-05	4.48668E-05	0.000104697	0.000110517	5.31018E-05	9.9346E-05	4.38211E-05
9.46401E-05	2.76277E-05	8.81835E-05	4.50302E-05	9.12619E-05	9.63826E-05	4.58614E-05	8.81835E-05	4.40004E-05
9.23426E-05	2.46486E-05	8.72188E-05	4.52135E-05	8.95973E-05	9.47163E-05	4.42118E-05	8.72188E-05	4.4188E-05
9.13805E-05	2.35417E-05	8.71218E-05	4.61122E-05	8.90217E-05	9.41188E-05	4.38303E-05	8.71218E-05	4.5103E-05
9.38043E-05	2.38406E-05	8.99647E-05	4.78753E-05	9.16113E-05	9.68547E-05	4.51235E-05	8.99647E-05	4.68934E-05
0.000100249	2.62144E-05	9.65513E-05	5.15115E-05	9.80508E-05	0.000103601	4.88403E-05	9.65513E-05	5.05786E-05
0.000108399	2.95331E-05	0.000103451	5.27056E-05	0.000105599	0.000111566	5.27032E-05	0.000103451	5.17641E-05
0.000111736	3.33164E-05	0.000107523	9.43609E-05	0.00010914	0.000115165	5.57186E-05	0.000107523	8.82741E-05
0.000106989	3.38372E-05	0.000103605	9.40281E-05	0.000104722	0.000110433	5.40915E-05	0.000103605	8.78997E-05
0.000104543	3.39511E-05	0.000100371	9.50698E-05	0.000101947	0.000107493	5.27807E-05	0.000100371	8.89344E-05
0.000102755	3.42811E-05	9.72515E-05	9.57734E-05	9.96014E-05	0.000105035	5.14294E-05	9.72515E-05	8.96375E-05
0.000102279	3.47673E-05	9.58151E-05	9.62262E-05	9.87165E-05	0.000104112	5.08793E-05	9.58151E-05	9.00937E-05
9.90578E-05	3.34747E-05	9.24958E-05	9.00988E-05	9.54899E-05	0.000100741	4.8936E-05	9.24958E-05	8.48332E-05
9.66044E-05	3.28774E-05	9.01053E-05	8.98445E-05	9.30771E-05	9.81844E-05	4.7796E-05	9.01053E-05	8.4579E-05
9.45655E-05	3.17933E-05	8.91454E-05	8.84492E-05	9.15102E-05	9.65051E-05	4.72255E-05	8.91454E-05	8.31675E-05
9.54182E-05	3.16711E-05	8.99967E-05	9.24069E-05	9.23672E-05	9.74355E-05	4.74318E-05	8.99967E-05	8.62367E-05
0.00010099	3.33175E-05	9.50536E-05	8.93061E-05	9.76857E-05	0.000103072	4.99322E-05	9.50536E-05	8.30973E-05
0.000111584	3.61188E-05	0.00010472	8.67572E-05	0.000107829	0.000113842	5.45186E-05	0.00010472	8.05172E-05
0.000126647	4.29718E-05	0.000116715	8.52196E-05	0.000121449	0.000128204	6.15587E-05	0.000116715	7.89626E-05
0.000138861	5.2423E-05	0.000125397	7.13266E-05	0.000131946	0.000139054	6.89302E-05	0.000125397	6.67843E-05
0.000140147	5.62107E-05	0.000124993	6.01176E-05	0.000132428	0.000139414	7.04887E-05	0.000124993	5.73417E-05
0.000137417	5.52454E-05	0.000120157	5.24497E-05	0.000128848	0.000135662	6.84343E-05	0.000120157	5.05314E-05
0.000131075	5.04963E-05	0.000113351	4.71794E-05	0.000122439	0.000129028	6.40167E-05	0.000113351	4.61557E-05
0.00011974	4.36804E-05	0.000105347	4.56933E-05	0.00011266	0.000118776	5.84284E-05	0.000105347	4.46551E-05
0.000110046	3.59885E-05	9.9346E-05	4.48668E-05	0.000104697	0.000110517	5.31018E-05	9.9346E-05	4.38211E-05
9.46401E-05	2.76277E-05	8.81835E-05	4.50302E-05	9.12619E-05	9.63826E-05	4.58614E-05	8.81835E-05	4.40004E-05
9.23426E-05	2.46486E-05	8.72188E-05	4.52135E-05	8.95973E-05	9.47163E-05	4.42118E-05	8.72188E-05	4.4188E-05
9.13805E-05	2.35417E-05	8.71218E-05	4.61122E-05	8.90217E-05	9.41188E-05	4.38303E-05	8.71218E-05	4.5103E-05
9.38043E-05	2.38406E-05	8.99647E-05	4.78753E-05	9.16113E-05	9.68547E-05	4.51235E-05	8.99647E-05	4.68934E-05
0.000100249	2.62144E-05	9.65513E-05	5.15115E-05	9.80508E-05	0.000103601	4.88403E-05	9.65513E-05	5.05786E-05
0.000108399	2.95331E-05	0.000103451	5.27056E-05	0.000105599	0.000111566	5.27032E-05	0.000103451	5.17641E-05
0.000111736	3.33164E-05	0.000107523	9.43609E-05	0.00010914	0.000115165	5.57186E-05	0.000107523	8.82741E-05
0.000106989	3.38372E-05	0.000103605	9.40281E-05	0.000104722	0.000110433	5.40915E-05	0.000103605	8.78997E-05
0.000104543	3.39511E-05	0.000100371	9.50698E-05	0.000101947	0.000107493	5.27807E-05	0.000100371	8.89344E-05
0.000102755	3.42811E-05	9.72515E-05	9.57734E-05	9.96014E-05	0.000105035	5.14294E-05	9.72515E-05	8.96375E-05
0.000102279	3.47673E-05	9.58151E-05	9.62262E-05	9.87165E-05	0.000104112	5.08793E-05	9.58151E-05	9.00937E-05
9.90578E-05	3.34747E-05	9.24958E-05	9.00988E-05	9.54899E-05	0.000100741	4.8936E-05	9.24958E-05	8.48332E-05
9.66044E-05	3.28774E-05	9.01053E-05	8.98445E-05	9.30771E-05	9.81844E-05	4.7796E-05	9.01053E-05	8.4579E-05
9.45655E-05	3.17933E-05	8.91454E-05	8.84492E-05	9.15102E-05	9.65051E-05	4.72255E-05	8.91454E-05	8.31675E-05
9.54182E-05	3.16711E-05	8.99967E-05	9.24069E-05	9.23672E-05	9.74355E-05	4.74318E-05	8.99967E-05	8.62367E-05

0.00010099	3.33175E-05	9.50536E-05	8.93061E-05	9.76857E-05	0.000103072	4.99322E-05	9.50536E-05	8.30973E-05
0.000111584	3.61188E-05	0.00010472	8.67572E-05	0.000107829	0.000113842	5.45186E-05	0.00010472	8.05172E-05
0.000126647	4.29718E-05	0.000116715	8.52196E-05	0.000121449	0.000128204	6.15587E-05	0.000116715	7.89626E-05
0.000138861	5.2423E-05	0.000125397	7.13266E-05	0.000131946	0.000139054	6.89302E-05	0.000125397	6.67843E-05
0.000140147	5.62107E-05	0.000124993	6.01176E-05	0.000132428	0.000139414	7.04887E-05	0.000124993	5.73417E-05
0.000137417	5.52454E-05	0.000120157	5.24497E-05	0.000128848	0.000135662	6.84343E-05	0.000120157	5.05314E-05
0.000131075	5.04963E-05	0.000113351	4.71794E-05	0.000122439	0.000129028	6.40167E-05	0.000113351	4.61557E-05
0.00011974	4.36804E-05	0.000105347	4.56933E-05	0.00011266	0.000118776	5.84284E-05	0.000105347	4.46551E-05
0.000110046	3.59885E-05	9.9346E-05	4.48668E-05	0.000104697	0.000110517	5.31018E-05	9.9346E-05	4.38211E-05
9.55723E-05	2.78359E-05	8.9178E-05	4.4745E-05	9.22146E-05	9.73882E-05	4.63453E-05	8.9178E-05	4.37106E-05
9.29311E-05	2.48028E-05	8.79492E-05	4.52787E-05	9.024E-05	9.53871E-05	4.46055E-05	8.79492E-05	4.42539E-05
9.1965E-05	2.36911E-05	8.78302E-05	4.62535E-05	8.96532E-05	9.47791E-05	4.42067E-05	8.78302E-05	4.52457E-05
9.44063E-05	2.3978E-05	9.06205E-05	4.80469E-05	9.2232E-05	9.75089E-05	4.54477E-05	9.06205E-05	4.7067E-05
0.000101077	2.64118E-05	9.74906E-05	5.18109E-05	9.89197E-05	0.000104514	4.93181E-05	9.74906E-05	5.08819E-05
0.0001094	2.97637E-05	0.00010455	5.31174E-05	0.000106635	0.000112656	5.32501E-05	0.00010455	5.21813E-05
0.000114371	3.362E-05	0.000108871	9.48201E-05	0.000111235	0.000117421	5.63969E-05	0.000108871	8.87391E-05
0.000107509	3.39858E-05	0.000104306	9.46769E-05	0.000105313	0.000111045	5.44872E-05	0.000104306	8.85557E-05
0.000105013	3.40899E-05	0.000101024	9.58543E-05	0.000102489	0.000108053	5.31555E-05	0.000101024	8.97269E-05
0.000103117	3.43653E-05	9.76529E-05	9.66346E-05	9.99776E-05	0.000105431	5.16303E-05	9.76529E-05	9.05074E-05
0.000102695	3.48641E-05	9.62762E-05	9.70469E-05	9.91484E-05	0.000104567	5.11102E-05	9.62762E-05	9.09225E-05
9.94298E-05	3.35638E-05	9.29195E-05	9.09408E-05	9.58809E-05	0.000101151	4.91522E-05	9.29195E-05	8.56833E-05
9.6995E-05	3.29771E-05	9.05781E-05	9.06627E-05	9.34989E-05	9.86254E-05	4.8047E-05	9.05781E-05	8.54047E-05
9.48217E-05	3.18973E-05	8.96291E-05	8.91764E-05	9.18569E-05	9.68554E-05	4.75396E-05	8.96291E-05	8.39017E-05
9.57638E-05	3.17846E-05	9.05288E-05	9.29787E-05	9.27862E-05	9.78657E-05	4.77519E-05	9.05288E-05	8.68136E-05
0.000101485	3.3458E-05	9.57165E-05	8.97116E-05	9.82458E-05	0.000103653	5.03052E-05	9.57165E-05	8.35064E-05
0.00011214	3.62593E-05	0.000105386	8.70986E-05	0.000108427	0.000114467	5.48701E-05	0.000105386	8.08618E-05
0.000127491	4.31762E-05	0.000117687	8.55182E-05	0.00012234	0.000129139	6.20586E-05	0.000117687	7.92642E-05
0.000139754	5.26465E-05	0.000126457	7.15305E-05	0.000132902	0.000140055	6.94868E-05	0.000126457	6.69901E-05
0.000141005	5.64167E-05	0.000125974	6.02391E-05	0.000133331	0.000140362	7.09898E-05	0.000125974	5.74638E-05
0.000136665	5.53832E-05	0.000120912	5.25705E-05	0.000128715	0.000135471	6.8814E-05	0.000120912	5.06528E-05
0.000131858	5.06775E-05	0.000114214	4.73312E-05	0.00012325	0.000129883	6.44478E-05	0.000114214	4.63085E-05
0.000120512	4.38587E-05	0.000106197	4.57261E-05	0.000113459	0.000119618	5.88518E-05	0.000106197	4.46866E-05
0.000110704	3.61508E-05	0.000100117	4.47209E-05	0.000105398	0.000111251	5.35028E-05	0.000100117	4.36711E-05
9.55723E-05	2.78359E-05	8.9178E-05	4.4745E-05	9.22146E-05	9.73882E-05	4.63453E-05	8.9178E-05	4.37106E-05
9.29311E-05	2.48028E-05	8.79492E-05	4.52787E-05	9.024E-05	9.53871E-05	4.46055E-05	8.79492E-05	4.42539E-05
9.1965E-05	2.36911E-05	8.78302E-05	4.62535E-05	8.96532E-05	9.47791E-05	4.42067E-05	8.78302E-05	4.52457E-05
9.44063E-05	2.3978E-05	9.06205E-05	4.80469E-05	9.2232E-05	9.75089E-05	4.54477E-05	9.06205E-05	4.7067E-05
0.000101077	2.64118E-05	9.74906E-05	5.18109E-05	9.89197E-05	0.000104514	4.93181E-05	9.74906E-05	5.08819E-05
0.0001094	2.97637E-05	0.00010455	5.31174E-05	0.000106635	0.000112656	5.32501E-05	0.00010455	5.21813E-05
0.000114371	3.362E-05	0.000108871	9.48201E-05	0.000111235	0.000117421	5.63969E-05	0.000108871	8.87391E-05
0.000107509	3.39858E-05	0.000104306	9.46769E-05	0.000105313	0.000111045	5.44872E-05	0.000104306	8.85557E-05
0.000105013	3.40899E-05	0.000101024	9.58543E-05	0.000102489	0.000108053	5.31555E-05	0.000101024	8.97269E-05
0.000103117	3.43653E-05	9.76529E-05	9.66346E-05	9.99776E-05	0.000105431	5.16303E-05	9.76529E-05	9.05074E-05
0.000102695	3.48641E-05	9.62762E-05	9.70469E-05	9.91484E-05	0.000104567	5.11102E-05	9.62762E-05	9.09225E-05
9.94298E-05	3.35638E-05	9.29195E-05	9.09408E-05	9.58809E-05	0.000101151	4.91522E-05	9.29195E-05	8.56833E-05
9.6995E-05	3.29771E-05	9.05781E-05	9.06627E-05	9.34989E-05	9.86254E-05	4.8047E-05	9.05781E-05	8.54047E-05
9.48217E-05	3.18973E-05	8.96291E-05	8.91764E-05	9.18569E-05	9.68554E-05	4.75396E-05	8.96291E-05	8.39017E-05
9.57638E-05	3.17846E-05	9.05288E-05	9.29787E-05	9.27862E-05	9.78657E-05	4.77519E-05	9.05288E-05	8.68136E-05
0.000101485	3.3458E-05	9.57165E-05	8.97116E-05	9.82458E-05	0.000103653	5.03052E-05	9.57165E-05	8.35064E-05
0.00011214	3.62593E-05	0.000105386	8.70986E-05	0.000108427	0.000114467	5.48701E-05	0.000105386	8.08618E-05
0.000127491	4.31762E-05	0.000117687	8.55182E-05	0.00012234	0.000129139	6.20586E-05	0.000117687	7.92642E-05
0.000139754	5.26465E-05	0.000126457	7.15305E-05	0.000132902	0.000140055	6.94868E-05	0.000126457	6.69901E-05
0.000141005	5.64167E-05	0.000125974	6.02391E-05	0.000133331	0.000140362	7.09898E-05	0.000125974	5.74638E-05
0.000136665	5.53832E-05	0.000120912	5.25705E-05	0.000128715	0.000135471	6.8814E-05	0.000120912	5.06528E-05
0.000131858	5.06775E-05	0.000114214	4.73312E-05	0.00012325	0.000129883	6.44478E-05	0.000114214	4.63085E-05
0.000120512	4.38587E-05	0.000106197	4.57261E-05	0.000113459	0.000119618	5.88518E-05	0.000106197	4.46866E-05
0.000110704	3.61508E-05	0.000100117	4.47209E-05	0.000105398	0.000111251	5.35028E-05	0.000100117	4.36711E-05
2.45402E-05	6.8777E-06	2.21628E-05	4.50302E-05	2.31798E-05	2.45002E-05	1.14734E-05	2.21628E-05	4.40004E-05
2.39672E-05	6.14011E-06	2.19246E-05	4.52135E-05	2.27656E-05	2.40854E-05	1.10641E-05	2.19246E-05	4.4188E-05
2.37182E-05	5.86614E-06	2.1901E-05	4.61122E-05	2.2618E-05	2.39318E-05	1.097E-05	2.1901E-05	4.5103E-05
2.43496E-05	5.94116E-06	2.26158E-05	4.78753E-05	2.3276E-05	2.46274E-05	1.12942E-05	2.26158E-05	4.68934E-05
2.60125E-05	6.53107E-06	2.42694E-05	5.15115E-05	2.49065E-05	2.63371E-05	1.22233E-05	2.42694E-05	5.05786E-05
2.81366E-05	7.35499E-06	2.60032E-05	5.27056E-05	2.68303E-05	2.83691E-05	1.31878E-05	2.60032E-05	5.17641E-05
2.90315E-05	8.28907E-06	2.70234E-05	9.43609E-05	2.77421E-05	2.92992E-05	1.39362E-05	2.70234E-05	8.82741E-05
2.78414E-05	8.41283E-06	2.60381E-05	9.40281E-05	2.66389E-05	2.8118E-05	1.35246E-05	2.60381E-05	8.78997E-05
2.72025E-05	8.43983E-06	2.52246E-05	9.50698E-05	2.59336E-05	2.73704E-05	1.31954E-05	2.52246E-05	8.89344E-05
2.67445E-05	8.52034E-06	2.44407E-05	9.57734E-05	2.53434E-05	2.67519E-05	1.28558E-05	2.44407E-05	8.96375E-05
2.66255E-05	8.64016E-06	2.40798E-05	9.62262E-05	2.51228E-05	2.65221E-05	1.2717E-05	2.40798E-05	9.00937E-05
2.57972E-05	8.31905E-06	2.32469E-05	9.00988E-05	2.43072E-05	2.56693E-05	1.22313E-05	2.32469E-05	8.48332E-05
2.51551E-05	8.17031E-06	2.26456E-05	8.98445E-05	2.36917E-05	2.50166E-05	1.1946E-05	2.26456E-05	8.4579E-05
2.46145E-05	7.90163E-06	2.24035E-05	8.84492E-05	2.32861E-05	2.45812E-05	1.18045E-05	2.24035E-05	8.31675E-05
2.48445E-05	7.87174E-06	2.26187E-05	9.24069E-05	2.3508E-05	2.48221E-05	1.18565E-05	2.26187E-05	8.62367E-05
2.63035E-05	8.28111E-06	2.38906E-05	8.93061E-05	2.4866E-05	2.62628E-05	1.24816E-05	2.38906E-05	8.30973E-05
2.90839E-05	8.97806E-06	2.63229E-05	8.67572E-05	2.74587E-05	2.90187E-05	1.36286E-05	2.63229E-05	8.05172E-05
3.30084E-05	1.06786E-05	2.93367E-05	8.52196E-05	3.09311E-05	3.26845E-05	1.53851E-05	2.93367E-05	7.89626E-05
3.61255E-05	1.30207E-05	3.15078E-05	7.13266E-05	3.35788E-05	3.54239E-05	1.72205E-05	3.15078E-05	6.67843E-05

3.6418E-05	1.39578E-05	3.13996E-05	6.01176E-05	3.36847E-05	3.54983E-05	1.76056E-05	3.13996E-05	5.73417E-05
3.56496E-05	1.37208E-05	3.0182E-05	5.24497E-05	3.27509E-05	3.45169E-05	1.70939E-05	3.0182E-05	5.05314E-05
3.39696E-05	1.25466E-05	2.84742E-05	4.71794E-05	3.11075E-05	3.2812E-05	1.5995E-05	2.84742E-05	4.61557E-05
3.1033E-05	1.08568E-05	2.64665E-05	4.56933E-05	2.86197E-05	3.02007E-05	1.46029E-05	2.64665E-05	4.46551E-05
2.85458E-05	8.95104E-06	2.49653E-05	4.48668E-05	2.6604E-05	2.81071E-05	1.32779E-05	2.49653E-05	4.38211E-05
8.00703E-05	2.40524E-05	7.11303E-05	4.43767E-05	7.57634E-05	8.01343E-05	3.70112E-05	7.11303E-05	4.33248E-05
7.82298E-05	2.1206E-05	7.08105E-05	4.4644E-05	7.46293E-05	7.90166E-05	3.57315E-05	7.08105E-05	4.35994E-05
7.86866E-05	2.03717E-05	7.20353E-05	4.58485E-05	7.54264E-05	7.98824E-05	3.59201E-05	7.20353E-05	4.48257E-05
8.2795E-05	2.10151E-05	7.65349E-05	4.86787E-05	7.96811E-05	8.43861E-05	3.79666E-05	7.65349E-05	4.76961E-05
9.01069E-05	2.34957E-05	8.36486E-05	5.24811E-05	8.68466E-05	9.19284E-05	4.17916E-05	8.36486E-05	5.15417E-05
9.7244E-05	2.66691E-05	8.98185E-05	5.35828E-05	9.35011E-05	9.89227E-05	4.54331E-05	8.98185E-05	5.26303E-05
9.80382E-05	2.99326E-05	9.13738E-05	9.51741E-05	9.45218E-05	9.98482E-05	4.72986E-05	9.13738E-05	8.90705E-05
9.27246E-05	3.03694E-05	8.70338E-05	9.41634E-05	8.9599E-05	9.45691E-05	4.55344E-05	8.70338E-05	8.80126E-05
8.84582E-05	3.00461E-05	8.17144E-05	9.5121E-05	8.49053E-05	8.96143E-05	4.3156E-05	8.17144E-05	8.89648E-05
8.65224E-05	3.04115E-05	7.87381E-05	9.56266E-05	8.25297E-05	8.71024E-05	4.19882E-05	7.87381E-05	8.94626E-05
8.53689E-05	3.07545E-05	7.66097E-05	9.63841E-05	8.0965E-05	8.54598E-05	4.11135E-05	7.66097E-05	9.02232E-05
8.32249E-05	2.96686E-05	7.42916E-05	9.03652E-05	7.87795E-05	8.31984E-05	3.96015E-05	7.42916E-05	8.50683E-05
8.23317E-05	2.93706E-05	7.33454E-05	9.0803E-05	7.78724E-05	8.22477E-05	3.90816E-05	7.33454E-05	8.55127E-05
8.04308E-05	2.82966E-05	7.24453E-05	9.00232E-05	7.64115E-05	8.06868E-05	3.85067E-05	7.24453E-05	8.4726E-05
8.16335E-05	2.83886E-05	7.42842E-05	9.41593E-05	7.78736E-05	8.22105E-05	3.9423E-05	7.42842E-05	8.79778E-05
8.59769E-05	2.98552E-05	7.84514E-05	9.06074E-05	8.21063E-05	8.66695E-05	4.16486E-05	7.84514E-05	8.43854E-05
9.3239E-05	3.19518E-05	8.4735E-05	8.71265E-05	8.89138E-05	9.39058E-05	4.46547E-05	8.4735E-05	8.08643E-05
0.000104055	3.80054E-05	9.28407E-05	8.50435E-05	9.84513E-05	0.000103911	5.00462E-05	9.28407E-05	7.87575E-05
0.000114691	4.70966E-05	9.97512E-05	7.10576E-05	0.000107301	0.000113027	5.6531E-05	9.97512E-05	6.64935E-05
0.000117951	5.13186E-05	0.000101398	6.00286E-05	0.000109777	0.000115496	5.90693E-05	0.000101398	5.7236E-05
0.000116725	5.06848E-05	9.8146E-05	5.22352E-05	0.000107726	0.00011336	5.77793E-05	9.8146E-05	5.03004E-05
0.000110884	4.60114E-05	9.17339E-05	4.67128E-05	0.000101773	0.000107217	5.34995E-05	9.17339E-05	4.56695E-05
0.000100949	3.94044E-05	8.47933E-05	4.51893E-05	9.32504E-05	9.83247E-05	4.82621E-05	8.47933E-05	4.41323E-05
9.20573E-05	3.18425E-05	7.9471E-05	4.44154E-05	8.60373E-05	9.08697E-05	4.31936E-05	7.9471E-05	4.3353E-05
8.00703E-05	2.40524E-05	7.11303E-05	4.43767E-05	7.57634E-05	8.01343E-05	3.70112E-05	7.11303E-05	4.33248E-05
7.82298E-05	2.1206E-05	7.08105E-05	4.4644E-05	7.46293E-05	7.90166E-05	3.57315E-05	7.08105E-05	4.35994E-05
7.86866E-05	2.03717E-05	7.20353E-05	4.58485E-05	7.54264E-05	7.98824E-05	3.59201E-05	7.20353E-05	4.48257E-05
8.2795E-05	2.10151E-05	7.65349E-05	4.86787E-05	7.96811E-05	8.43861E-05	3.79666E-05	7.65349E-05	4.76961E-05
9.01069E-05	2.34957E-05	8.36486E-05	5.24811E-05	8.68466E-05	9.19284E-05	4.17916E-05	8.36486E-05	5.15417E-05
9.7244E-05	2.66691E-05	8.98185E-05	5.35828E-05	9.35011E-05	9.89227E-05	4.54331E-05	8.98185E-05	5.26303E-05
9.80382E-05	2.99326E-05	9.13738E-05	9.51741E-05	9.45218E-05	9.98482E-05	4.72986E-05	9.13738E-05	8.90705E-05
9.27246E-05	3.03694E-05	8.70338E-05	9.41634E-05	8.9599E-05	9.45691E-05	4.55344E-05	8.70338E-05	8.80126E-05
8.84582E-05	3.00461E-05	8.17144E-05	9.5121E-05	8.49053E-05	8.96143E-05	4.3156E-05	8.17144E-05	8.89648E-05
8.65224E-05	3.04115E-05	7.87381E-05	9.56266E-05	8.25297E-05	8.71024E-05	4.19882E-05	7.87381E-05	8.94626E-05
8.53689E-05	3.07545E-05	7.66097E-05	9.63841E-05	8.0965E-05	8.54598E-05	4.11135E-05	7.66097E-05	9.02232E-05
8.32249E-05	2.96686E-05	7.42916E-05	9.03652E-05	7.87795E-05	8.31984E-05	3.96015E-05	7.42916E-05	8.50683E-05
8.23317E-05	2.93706E-05	7.33454E-05	9.0803E-05	7.78724E-05	8.22477E-05	3.90816E-05	7.33454E-05	8.55127E-05
8.04308E-05	2.82966E-05	7.24453E-05	9.00232E-05	7.64115E-05	8.06868E-05	3.85067E-05	7.24453E-05	8.4726E-05
8.16335E-05	2.83886E-05	7.42842E-05	9.41593E-05	7.78736E-05	8.22105E-05	3.9423E-05	7.42842E-05	8.79778E-05
8.59769E-05	2.98552E-05	7.84514E-05	9.06074E-05	8.21063E-05	8.66695E-05	4.16486E-05	7.84514E-05	8.43854E-05
9.3239E-05	3.19518E-05	8.4735E-05	8.71265E-05	8.89138E-05	9.39058E-05	4.46547E-05	8.4735E-05	8.08643E-05
0.000104055	3.80054E-05	9.28407E-05	8.50435E-05	9.84513E-05	0.000103911	5.00462E-05	9.28407E-05	7.87575E-05
0.000114691	4.70966E-05	9.97512E-05	7.10576E-05	0.000107301	0.000113027	5.6531E-05	9.97512E-05	6.64935E-05
0.000117951	5.13186E-05	0.000101398	6.00286E-05	0.000109777	0.000115496	5.90693E-05	0.000101398	5.7236E-05
0.000116725	5.06848E-05	9.8146E-05	5.22352E-05	0.000107726	0.00011336	5.77793E-05	9.8146E-05	5.03004E-05
0.000110884	4.60114E-05	9.17339E-05	4.67128E-05	0.000101773	0.000107217	5.34995E-05	9.17339E-05	4.56695E-05
0.000100949	3.94044E-05	8.47933E-05	4.51893E-05	9.32504E-05	9.83247E-05	4.82621E-05	8.47933E-05	4.41323E-05
9.20573E-05	3.18425E-05	7.9471E-05	4.44154E-05	8.60373E-05	9.08697E-05	4.31936E-05	7.9471E-05	4.3353E-05
8.00703E-05	2.40524E-05	7.11303E-05	4.43767E-05	7.57634E-05	8.01343E-05	3.70112E-05	7.11303E-05	4.33248E-05
7.82298E-05	2.1206E-05	7.08105E-05	4.4644E-05	7.46293E-05	7.90166E-05	3.57315E-05	7.08105E-05	4.35994E-05
7.86866E-05	2.03717E-05	7.20353E-05	4.58485E-05	7.54264E-05	7.98824E-05	3.59201E-05	7.20353E-05	4.48257E-05
8.2795E-05	2.10151E-05	7.65349E-05	4.86787E-05	7.96811E-05	8.43861E-05	3.79666E-05	7.65349E-05	4.76961E-05
9.01069E-05	2.34957E-05	8.36486E-05	5.24811E-05	8.68466E-05	9.19284E-05	4.17916E-05	8.36486E-05	5.15417E-05
9.7244E-05	2.66691E-05	8.98185E-05	5.35828E-05	9.35011E-05	9.89227E-05	4.54331E-05	8.98185E-05	5.26303E-05
9.80382E-05	2.99326E-05	9.13738E-05	9.51741E-05	9.45218E-05	9.98482E-05	4.72986E-05	9.13738E-05	8.90705E-05
9.27246E-05	3.03694E-05	8.70338E-05	9.41634E-05	8.9599E-05	9.45691E-05	4.55344E-05	8.70338E-05	8.80126E-05
8.84582E-05	3.00461E-05	8.17144E-05	9.5121E-05	8.49053E-05	8.96143E-05	4.3156E-05	8.17144E-05	8.89648E-05
8.65224E-05	3.04115E-05	7.87381E-05	9.56266E-05	8.25297E-05	8.71024E-05	4.19882E-05	7.87381E-05	8.94626E-05
8.53689E-05	3.07545E-05	7.66097E-05	9.63841E-05	8.0965E-05	8.54598E-05	4.11135E-05	7.66097E-05	9.02232E-05
8.32249E-05	2.96686E-05	7.42916E-05	9.03652E-05	7.87795E-05	8.31984E-05	3.96015E-05	7.42916E-05	8.50683E-05
8.23317E-05	2.93706E-05	7.33454E-05	9.0803E-05	7.78724E-05	8.22477E-05	3.90816E-05	7.33454E-05	8.55127E-05
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8.16335E-05	2.83886E-05	7.42842E-05	9.41593E-05	7.78736E-05	8.22105E-05	3.9423E-05	7.42842E-05	8.79778E-05
8.59769E-05	2.98552E-05	7.84514E-05	9.06074E-05	8.21063E-05	8.66695E-05	4.16486E-05	7.84514E-05	8.43854E-05
9.3239E-05	3.19518E-05	8.4735E-05	8.71265E-05	8.89138E-05	9.39058E-05	4.46547E-05	8.4735E-05	8.08643E-05
0.000104055	3.80054E-05	9.28407E-05	8.50435E-05	9.84513E-05	0.000103911	5.00462E-05	9.28407E-05	7.87575E-05
0.000114691	4.70966E-05	9.97512E-05	7.10576E-05	0.000107301	0.000113027	5.6531E-05	9.97512E-05	6.64935E-05
0.000117951	5.13186E-05	0.000101398	6.00286E-05	0.000109777	0.000115496	5.90693E-05	0.000101398	5.7236E-05
0.000116725	5.06848E-05	9.8146E-05	5.22352E-05	0.000107726	0.00011336	5.77793E-05	9.8146E-05	5.03004E-05
0.000110884	4.60114E-05	9.17339E-05	4.67128E-05	0.000101773	0.000107217	5.34995E-05	9.17339E-05	4.56695E-05
0.000100949	3.94044E-05	8.47933E-05	4.51893E-05	9.32504E-05	9.83247E-05	4.82621E-05	8.47933E-05	4.41323E-05

9.20573E-05	3.18425E-05	7.9471E-05	4.44154E-05	8.60373E-05	9.08697E-05	4.31936E-05	7.9471E-05	4.3353E-05
8.00703E-05	2.40524E-05	7.11303E-05	4.43767E-05	7.57634E-05	8.01343E-05	3.70112E-05	7.11303E-05	4.33248E-05
7.82298E-05	2.1206E-05	7.08105E-05	4.4644E-05	7.46293E-05	7.90166E-05	3.57315E-05	7.08105E-05	4.35994E-05
7.86866E-05	2.03717E-05	7.20353E-05	4.58485E-05	7.54264E-05	7.98824E-05	3.59201E-05	7.20353E-05	4.48257E-05
8.2795E-05	2.10151E-05	7.65349E-05	4.86787E-05	7.96811E-05	8.43861E-05	3.79666E-05	7.65349E-05	4.76961E-05
9.01069E-05	2.34957E-05	8.36486E-05	5.24811E-05	8.68466E-05	9.19284E-05	4.17916E-05	8.36486E-05	5.15417E-05
9.7244E-05	2.66691E-05	8.98185E-05	5.35828E-05	9.35011E-05	9.89227E-05	4.54331E-05	8.98185E-05	5.26303E-05
9.80382E-05	2.99326E-05	9.13738E-05	9.51741E-05	9.45218E-05	9.98482E-05	4.72986E-05	9.13738E-05	8.90705E-05
9.27246E-05	3.03694E-05	8.70338E-05	9.41634E-05	8.9599E-05	9.45691E-05	4.55344E-05	8.70338E-05	8.80126E-05
8.84582E-05	3.00461E-05	8.17144E-05	9.5121E-05	8.49053E-05	8.96143E-05	4.3156E-05	8.17144E-05	8.89648E-05
8.65224E-05	3.04115E-05	7.87381E-05	9.56266E-05	8.25297E-05	8.71024E-05	4.19882E-05	7.87381E-05	8.94626E-05
8.53689E-05	3.07545E-05	7.66097E-05	9.63841E-05	8.0965E-05	8.54598E-05	4.11135E-05	7.66097E-05	9.02232E-05
8.32249E-05	2.96686E-05	7.42916E-05	9.03652E-05	7.87795E-05	8.31984E-05	3.96015E-05	7.42916E-05	8.50683E-05
8.23317E-05	2.93706E-05	7.33454E-05	9.0803E-05	7.78724E-05	8.22477E-05	3.90816E-05	7.33454E-05	8.55127E-05
8.04308E-05	2.82966E-05	7.24453E-05	9.00232E-05	7.64115E-05	8.06868E-05	3.85067E-05	7.24453E-05	8.4726E-05
8.16335E-05	2.83886E-05	7.42842E-05	9.41593E-05	7.78736E-05	8.22105E-05	3.9423E-05	7.42842E-05	8.79778E-05
8.59769E-05	2.98552E-05	7.84514E-05	9.06074E-05	8.21063E-05	8.66695E-05	4.16486E-05	7.84514E-05	8.43854E-05
9.3239E-05	3.19518E-05	8.4735E-05	8.71265E-05	8.89138E-05	9.39058E-05	4.46547E-05	8.4735E-05	8.08643E-05
0.000104055	3.80054E-05	9.28407E-05	8.50435E-05	9.84513E-05	0.000103911	5.00462E-05	9.28407E-05	7.87575E-05
0.000114691	4.70966E-05	9.97512E-05	7.10576E-05	0.000107301	0.000113027	5.6531E-05	9.97512E-05	6.64935E-05
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0.000116725	5.06848E-05	9.8146E-05	5.22352E-05	0.000107726	0.00011336	5.77793E-05	9.8146E-05	5.03004E-05
0.000110884	4.60114E-05	9.17339E-05	4.67128E-05	0.000101773	0.000107217	5.34995E-05	9.17339E-05	4.56695E-05
0.000100949	3.94044E-05	8.47933E-05	4.51893E-05	9.32504E-05	9.83247E-05	4.82621E-05	8.47933E-05	4.41323E-05
9.20573E-05	3.18425E-05	7.9471E-05	4.44154E-05	8.60373E-05	9.08697E-05	4.31936E-05	7.9471E-05	4.3353E-05
8.00274E-05	2.40419E-05	7.108E-05	4.42814E-05	7.57177E-05	8.00864E-05	3.6985E-05	7.108E-05	4.32307E-05
7.85694E-05	2.12883E-05	7.12016E-05	4.46036E-05	7.49879E-05	7.9393E-05	3.59326E-05	7.12016E-05	4.35597E-05
7.90422E-05	2.04567E-05	7.24395E-05	4.58368E-05	7.57998E-05	8.02747E-05	3.61261E-05	7.24395E-05	4.48156E-05
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9.05498E-05	2.36003E-05	8.41466E-05	5.24499E-05	8.73095E-05	9.24151E-05	4.20435E-05	8.41466E-05	5.15122E-05
9.75975E-05	2.67528E-05	9.02168E-05	5.35412E-05	9.38709E-05	9.93115E-05	4.56348E-05	9.02168E-05	5.25903E-05
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9.32477E-05	3.04955E-05	8.76334E-05	9.41322E-05	9.01503E-05	9.51479E-05	4.58417E-05	8.76334E-05	8.79826E-05
8.90559E-05	3.01947E-05	8.242E-05	9.51106E-05	8.55435E-05	9.02828E-05	4.35247E-05	8.242E-05	8.89556E-05
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8.37051E-05	2.97873E-05	7.48552E-05	9.03592E-05	7.9291E-05	8.37345E-05	3.98949E-05	7.48552E-05	8.50634E-05
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8.63439E-05	2.99531E-05	7.89148E-05	9.06195E-05	8.25103E-05	8.70906E-05	4.19009E-05	7.89148E-05	8.43984E-05
9.36534E-05	3.20621E-05	8.52567E-05	8.71241E-05	8.93694E-05	9.43808E-05	4.49383E-05	8.52567E-05	8.08628E-05
0.000104503	3.81232E-05	9.33982E-05	8.50384E-05	9.89409E-05	0.000104422	5.03475E-05	9.33982E-05	7.87531E-05
0.000115156	4.72147E-05	0.000100311	7.1051E-05	0.000107802	0.000113551	5.68276E-05	0.000100311	6.64876E-05
0.000118496	5.1458E-05	0.000102059	6.00126E-05	0.000110366	0.000116112	5.94204E-05	0.000102059	5.72212E-05
0.000115759	5.07975E-05	9.87746E-05	5.22036E-05	0.000107416	0.000112974	5.81353E-05	9.87746E-05	5.02705E-05
0.000111617	4.61944E-05	9.26027E-05	4.66663E-05	0.000102557	0.000108039	5.39547E-05	9.26027E-05	4.56247E-05
0.000101854	3.96177E-05	8.58087E-05	4.5137E-05	9.41951E-05	9.93181E-05	4.8775E-05	8.58087E-05	4.40817E-05
9.25092E-05	3.19541E-05	8.00011E-05	4.42651E-05	8.65185E-05	9.13741E-05	4.34695E-05	8.00011E-05	4.32041E-05
8.00274E-05	2.40419E-05	7.108E-05	4.42814E-05	7.57177E-05	8.00864E-05	3.6985E-05	7.108E-05	4.32307E-05
7.85694E-05	2.12883E-05	7.12016E-05	4.46036E-05	7.49879E-05	7.9393E-05	3.59326E-05	7.12016E-05	4.35597E-05
7.90422E-05	2.04567E-05	7.24395E-05	4.58368E-05	7.57998E-05	8.02747E-05	3.61261E-05	7.24395E-05	4.48156E-05
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9.05498E-05	2.36003E-05	8.41466E-05	5.24499E-05	8.73095E-05	9.24151E-05	4.20435E-05	8.41466E-05	5.15122E-05
9.75975E-05	2.67528E-05	9.02168E-05	5.35412E-05	9.38709E-05	9.93115E-05	4.56348E-05	9.02168E-05	5.25903E-05
0.000100057	3.00865E-05	9.20101E-05	9.51392E-05	9.59658E-05	0.00010142	4.76108E-05	9.20101E-05	8.90371E-05
9.32477E-05	3.04955E-05	8.76334E-05	9.41322E-05	9.01503E-05	9.51479E-05	4.58417E-05	8.76334E-05	8.79826E-05
8.90559E-05	3.01947E-05	8.242E-05	9.51106E-05	8.55435E-05	9.02828E-05	4.35247E-05	8.242E-05	8.89556E-05
8.71132E-05	3.05542E-05	7.9417E-05	9.56266E-05	8.3153E-05	8.77567E-05	4.23366E-05	7.9417E-05	8.94638E-05
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8.08855E-05	2.84014E-05	7.29452E-05	9.00751E-05	7.68821E-05	8.11824E-05	3.87555E-05	7.29452E-05	8.47791E-05
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8.63439E-05	2.99531E-05	7.89148E-05	9.06195E-05	8.25103E-05	8.70906E-05	4.19009E-05	7.89148E-05	8.43984E-05
9.36534E-05	3.20621E-05	8.52567E-05	8.71241E-05	8.93694E-05	9.43808E-05	4.49383E-05	8.52567E-05	8.08628E-05
0.000104503	3.81232E-05	9.33982E-05	8.50384E-05	9.89409E-05	0.000104422	5.03475E-05	9.33982E-05	7.87531E-05
0.000115156	4.72147E-05	0.000100311	7.1051E-05	0.000107802	0.000113551	5.68276E-05	0.000100311	6.64876E-05
0.000118496	5.1458E-05	0.000102059	6.00126E-05	0.000110366	0.000116112	5.94204E-05	0.000102059	5.72212E-05
0.000115759	5.07975E-05	9.87746E-05	5.22036E-05	0.000107416	0.000112974	5.81353E-05	9.87746E-05	5.02705E-05
0.000111617	4.61944E-05	9.26027E-05	4.66663E-05	0.000102557	0.000108039	5.39547E-05	9.26027E-05	4.56247E-05
0.000101854	3.96177E-05	8.58087E-05	4.5137E-05	9.41951E-05	9.93181E-05	4.8775E-05	8.58087E-05	4.40817E-05
9.25092E-05	3.19541E-05	8.00011E-05	4.42651E-05	8.65185E-05	9.13741E-05	4.34695E-05	8.00011E-05	4.32041E-05
8.00703E-05	2.40524E-05	7.11303E-05	4.43767E-05	7.57634E-05	8.01343E-05	3.70112E-05	7.11303E-05	4.33248E-05
7.82298E-05	2.1206E-05	7.08105E-05	4.4644E-05	7.46293E-05	7.90166E-05	3.57315E-05	7.08105E-05	4.35994E-05
7.86866E-05	2.03717E-05	7.20353E-05	4.58485E-05	7.54264E-05	7.98824E-05	3.59201E-05	7.20353E-05	4.48257E-05

8.2795E-05	2.10151E-05	7.65349E-05	4.86787E-05	7.96811E-05	8.43861E-05	3.79666E-05	7.65349E-05	4.76961E-05
9.01069E-05	2.34957E-05	8.36486E-05	5.24811E-05	8.68466E-05	9.19284E-05	4.17916E-05	8.36486E-05	5.15417E-05
9.7244E-05	2.66691E-05	8.98185E-05	5.35828E-05	9.35011E-05	9.89227E-05	4.54331E-05	8.98185E-05	5.26303E-05
9.80382E-05	2.99326E-05	9.13738E-05	9.51741E-05	9.45218E-05	9.98482E-05	4.72986E-05	9.13738E-05	8.90705E-05
9.27246E-05	3.03694E-05	8.70338E-05	9.41634E-05	8.9599E-05	9.45691E-05	4.55344E-05	8.70338E-05	8.80126E-05
8.84582E-05	3.00461E-05	8.17144E-05	9.5121E-05	8.49053E-05	8.96143E-05	4.3156E-05	8.17144E-05	8.89648E-05
8.65224E-05	3.04115E-05	7.87381E-05	9.56266E-05	8.25297E-05	8.71024E-05	4.19882E-05	7.87381E-05	8.94626E-05
8.53689E-05	3.07545E-05	7.66097E-05	9.63841E-05	8.0965E-05	8.54598E-05	4.11135E-05	7.66097E-05	9.02232E-05
8.32249E-05	2.96686E-05	7.42916E-05	9.03652E-05	7.87795E-05	8.31984E-05	3.96015E-05	7.42916E-05	8.50683E-05
8.23317E-05	2.93706E-05	7.33454E-05	9.0803E-05	7.78724E-05	8.22477E-05	3.90816E-05	7.33454E-05	8.55127E-05
8.04308E-05	2.82966E-05	7.24453E-05	9.00232E-05	7.64115E-05	8.06868E-05	3.85067E-05	7.24453E-05	8.4726E-05
8.16335E-05	2.83886E-05	7.42842E-05	9.41593E-05	7.78736E-05	8.22105E-05	3.9423E-05	7.42842E-05	8.79778E-05
8.59769E-05	2.98552E-05	7.84514E-05	9.06074E-05	8.21063E-05	8.66695E-05	4.16486E-05	7.84514E-05	8.43854E-05
9.3239E-05	3.19518E-05	8.4735E-05	8.71265E-05	8.89138E-05	9.39058E-05	4.46547E-05	8.4735E-05	8.08643E-05
0.000104055	3.80054E-05	9.28407E-05	8.50435E-05	9.84513E-05	0.000103911	5.00462E-05	9.28407E-05	7.87575E-05
0.000114691	4.70966E-05	9.97512E-05	7.10576E-05	0.000107301	0.000113027	5.6531E-05	9.97512E-05	6.64935E-05
0.000117951	5.13186E-05	0.000101398	6.00286E-05	0.000109777	0.000115496	5.90693E-05	0.000101398	5.7236E-05
0.000116725	5.06848E-05	9.8146E-05	5.22352E-05	0.000107726	0.00011336	5.77793E-05	9.8146E-05	5.03004E-05
0.000110884	4.60114E-05	9.17339E-05	4.67128E-05	0.000101773	0.000107217	5.34995E-05	9.17339E-05	4.56695E-05
0.000100949	3.94044E-05	8.47933E-05	4.51893E-05	9.32504E-05	9.83247E-05	4.82621E-05	8.47933E-05	4.41323E-05
9.20573E-05	3.18425E-05	7.9471E-05	4.44154E-05	8.60373E-05	9.08697E-05	4.31936E-05	7.9471E-05	4.3353E-05
8.00703E-05	2.40524E-05	7.11303E-05	4.43767E-05	7.57634E-05	8.01343E-05	3.70112E-05	7.11303E-05	4.33248E-05
7.82298E-05	2.1206E-05	7.08105E-05	4.4644E-05	7.46293E-05	7.90166E-05	3.57315E-05	7.08105E-05	4.35994E-05
7.86866E-05	2.03717E-05	7.20353E-05	4.58485E-05	7.54264E-05	7.98824E-05	3.59201E-05	7.20353E-05	4.48257E-05

9.27246E-05	3.03694E-05	8.70338E-05	9.41634E-05	8.9599E-05	9.45691E-05	4.55344E-05	8.70338E-05	8.80126E-05
8.84582E-05	3.00461E-05	8.17144E-05	9.5121E-05	8.49053E-05	8.96143E-05	4.3156E-05	8.17144E-05	8.89648E-05
8.65224E-05	3.04115E-05	7.87381E-05	9.56266E-05	8.25297E-05	8.71024E-05	4.19882E-05	7.87381E-05	8.94626E-05
8.53689E-05	3.07545E-05	7.66097E-05	9.63841E-05	8.0965E-05	8.54598E-05	4.11135E-05	7.66097E-05	9.02232E-05
8.32249E-05	2.96686E-05	7.42916E-05	9.03652E-05	7.87795E-05	8.31984E-05	3.96015E-05	7.42916E-05	8.50683E-05
8.23317E-05	2.93706E-05	7.33454E-05	9.0803E-05	7.78724E-05	8.22477E-05	3.90816E-05	7.33454E-05	8.55127E-05
8.04308E-05	2.82966E-05	7.24453E-05	9.00232E-05	7.64115E-05	8.06868E-05	3.85067E-05	7.24453E-05	8.4726E-05
8.16335E-05	2.83886E-05	7.42842E-05	9.41593E-05	7.78736E-05	8.22105E-05	3.9423E-05	7.42842E-05	8.79778E-05
8.59769E-05	2.98552E-05	7.84514E-05	9.06074E-05	8.21063E-05	8.66695E-05	4.16486E-05	7.84514E-05	8.43854E-05
9.3239E-05	3.19518E-05	8.4735E-05	8.71265E-05	8.89138E-05	9.39058E-05	4.46547E-05	8.4735E-05	8.08643E-05
0.000104055	3.80054E-05	9.28407E-05	8.50435E-05	9.84513E-05	0.000103911	5.00462E-05	9.28407E-05	7.87575E-05
0.000114691	4.70966E-05	9.97512E-05	7.10576E-05	0.000107301	0.000113027	5.6531E-05	9.97512E-05	6.64935E-05
0.000117951	5.13186E-05	0.000101398	6.00286E-05	0.000109777	0.000115496	5.90693E-05	0.000101398	5.7236E-05
0.000116725	5.06848E-05	9.8146E-05	5.22352E-05	0.000107726	0.00011336	5.77793E-05	9.8146E-05	5.03004E-05
0.000110884	4.60114E-05	9.17339E-05	4.67128E-05	0.000101773	0.000107217	5.34995E-05	9.17339E-05	4.56695E-05
0.000100949	3.94044E-05	8.47933E-05	4.51893E-05	9.32504E-05	9.83247E-05	4.82621E-05	8.47933E-05	4.41323E-05
9.20573E-05	3.18425E-05	7.9471E-05	4.44154E-05	8.60373E-05	9.08697E-05	4.31936E-05	7.9471E-05	4.3353E-05
8.00703E-05	2.40524E-05	7.11303E-05	4.43767E-05	7.57634E-05	8.01343E-05	3.70112E-05	7.11303E-05	4.33248E-05
7.82298E-05	2.1206E-05	7.08105E-05	4.4644E-05	7.46293E-05	7.90166E-05	3.57315E-05	7.08105E-05	4.35994E-05
7.86866E-05	2.03717E-05	7.20353E-05	4.58485E-05	7.54264E-05	7.98824E-05	3.59201E-05	7.20353E-05	4.48257E-05
8.2795E-05	2.10151E-05	7.65349E-05	4.86787E-05	7.96811E-05	8.43861E-05	3.79666E-05	7.65349E-05	4.76961E-05
9.01069E-05	2.34957E-05	8.36486E-05	5.24811E-05	8.68466E-05	9.19284E-05	4.17916E-05	8.36486E-05	5.15417E-05
9.7244E-05	2.66691E-05	8.98185E-05	5.35828E-05	9.35011E-05	9.89227E-05	4.54331E-05	8.98185E-05	5.26303E-05
9.80382E-05	2.99326E-05	9.13738E-05	9.51741E-05	9.45218E-05	9.98482E-05	4.72986E-05	9.13738E-05	8.90705E-05
9.27246E-05	3.03694E-05	8.70338E-05	9.41634E-05	8.9599E-05	9.45691E-05	4.55344E-05	8.70338E-05	8.80126E-05
8.84582E-05	3.00461E-05	8.17144E-05	9.5121E-05	8.49053E-05	8.96143E-05	4.3156E-05	8.17144E-05	8.89648E-05
8.65224E-05	3.04115E-05	7.87381E-05	9.56266E-05	8.25297E-05	8.71024E-05	4.19882E-05	7.87381E-05	8.94626E-05
8.53689E-05	3.07545E-05	7.66097E-05	9.63841E-05	8.0965E-05	8.54598E-05	4.11135E-05	7.66097E-05	9.02232E-05
8.32249E-05	2.96686E-05	7.42916E-05	9.03652E-05	7.87795E-05	8.31984E-05	3.96015E-05	7.42916E-05	8.50683E-05
8.23317E-05	2.93706E-05	7.33454E-05	9.0803E-05	7.78724E-05	8.22477E-05	3.90816E-05	7.33454E-05	8.55127E-05
8.04308E-05	2.82966E-05	7.24453E-05	9.00232E-05	7.64115E-05	8.06868E-05	3.85067E-05	7.24453E-05	8.4726E-05
8.16335E-05	2.83886E-05	7.42842E-05	9.41593E-05	7.78736E-05	8.22105E-05	3.9423E-05	7.42842E-05	8.79778E-05
8.59769E-05	2.98552E-05	7.84514E-05	9.06074E-05	8.21063E-05	8.66695E-05	4.16486E-05	7.84514E-05	8.43854E-05
9.3239E-05	3.19518E-05	8.4735E-05	8.71265E-05	8.89138E-05	9.39058E-05	4.46547E-05	8.4735E-05	8.08643E-05
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0.000114691	4.70966E-05	9.97512E-05	7.10576E-05	0.000107301	0.000113027	5.6531E-05	9.97512E-05	6.64935E-05
0.000117951	5.13186E-05	0.000101398	6.00286E-05	0.000109777	0.000115496	5.90693E-05	0.000101398	5.7236E-05
0.000116725	5.06848E-05	9.8146E-05	5.22352E-05	0.000107726	0.00011336	5.77793E-05	9.8146E-05	5.03004E-05
0.000110884	4.60114E-05	9.17339E-05	4.67128E-05	0.000101773	0.000107217	5.34995E-05	9.17339E-05	4.56695E-05
0.000100949	3.94044E-05	8.47933E-05	4.51893E-05	9.32504E-05	9.83247E-05	4.82621E-05	8.47933E-05	4.41323E-05
9.20573E-05	3.18425E-05	7.9471E-05	4.44154E-05	8.60373E-05	9.08697E-05	4.31936E-05	7.9471E-05	4.3353E-05
8.00274E-05	2.40419E-05	7.108E-05	4.42814E-05	7.57177E-05	8.00864E-05	3.6985E-05	7.108E-05	4.32307E-05
7.85694E-05	2.12883E-05	7.12016E-05	4.46036E-05	7.49879E-05	7.9393E-05	3.59326E-05	7.12016E-05	4.35597E-05
7.90422E-05	2.04567E-05	7.24395E-05	4.58368E-05	7.57998E-05	8.02747E-05	3.61261E-05	7.24395E-05	4.48156E-05
8.3182E-05	2.11053E-05	7.69644E-05	4.8652E-05	8.00833E-05	8.48094E-05	3.81818E-05	7.69644E-05	4.76712E-05
9.05498E-05	2.36003E-05	8.41466E-05	5.24499E-05	8.73095E-05	9.24151E-05	4.20435E-05	8.41466E-05	5.15122E-05
9.75975E-05	2.67528E-05	9.02168E-05	5.35412E-05	9.38709E-05	9.93115E-05	4.56348E-05	9.02168E-05	5.25903E-05
0.000100057	3.00865E-05	9.20101E-05	9.51392E-05	9.59658E-05	0.00010142	4.76108E-05	9.20101E-05	8.90371E-05
9.32477E-05	3.04955E-05	8.76334E-05	9.41322E-05	9.01503E-05	9.51479E-05	4.58417E-05	8.76334E-05	8.79826E-05
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8.37051E-05	2.97873E-05	7.48552E-05	9.03592E-05	7.9291E-05	8.37345E-05	3.98949E-05	7.48552E-05	8.50634E-05
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8.08855E-05	2.84014E-05	7.29452E-05	9.00751E-05	7.68821E-05	8.11824E-05	3.87555E-05	7.29452E-05	8.47791E-05
8.19896E-05	2.84762E-05	7.47003E-05	9.41999E-05	7.82521E-05	8.26073E-05	3.96391E-05	7.47003E-05	8.80196E-05
8.63439E-05	2.99531E-05	7.89148E-05	9.06195E-05	8.25103E-05	8.70906E-05	4.19009E-05	7.89148E-05	8.43984E-05
9.36534E-05	3.20621E-05	8.52567E-05	8.71241E-05	8.93694E-05	9.43808E-05	4.49383E-05	8.52567E-05	8.08628E-05
0.000104503	3.81232E-05	9.33982E-05	8.50384E-05	9.89409E-05	0.000104422	5.03475E-05	9.33982E-05	7.87531E-05
0.000115156	4.72147E-05	0.000100311	7.1051E-05	0.000107802	0.000113551	5.68276E-05	0.000100311	6.64876E-05
0.000118496	5.1458E-05	0.000102059	6.00126E-05	0.000110366	0.000116112	5.94204E-05	0.000102059	5.72212E-05
0.000115759	5.07975E-05	9.87746E-05	5.22036E-05	0.000107416	0.000112974	5.81353E-05	9.87746E-05	5.02705E-05
0.000111617	4.61944E-05	9.26027E-05	4.66663E-05	0.000102557	0.000108039	5.39547E-05	9.26027E-05	4.56247E-05
0.000101854	3.96177E-05	8.58087E-05	4.5137E-05	9.41951E-05	9.93181E-05	4.8775E-05	8.58087E-05	4.40817E-05
9.25092E-05	3.19541E-05	8.00011E-05	4.42651E-05	8.65185E-05	9.13741E-05	4.34695E-05	8.00011E-05	4.32041E-05
8.00274E-05	2.40419E-05	7.108E-05	4.42814E-05	7.57177E-05	8.00864E-05	3.6985E-05	7.108E-05	4.32307E-05
7.85694E-05	2.12883E-05	7.12016E-05	4.46036E-05	7.49879E-05	7.9393E-05	3.59326E-05	7.12016E-05	4.35597E-05
7.90422E-05	2.04567E-05	7.24395E-05	4.58368E-05	7.57998E-05	8.02747E-05	3.61261E-05	7.24395E-05	4.48156E-05
8.3182E-05	2.11053E-05	7.69644E-05	4.8652E-05	8.00833E-05	8.48094E-05	3.81818E-05	7.69644E-05	4.76712E-05
9.05498E-05	2.36003E-05	8.41466E-05	5.24499E-05	8.73095E-05	9.24151E-05	4.20435E-05	8.41466E-05	5.15122E-05
9.75975E-05	2.67528E-05	9.02168E-05	5.35412E-05	9.38709E-05	9.93115E-05	4.56348E-05	9.02168E-05	5.25903E-05
0.000100057	3.00865E-05	9.20101E-05	9.51392E-05	9.59658E-05	0.00010142	4.76108E-05	9.20101E-05	8.90371E-05
9.32477E-05	3.04955E-05	8.76334E-05	9.41322E-05	9.01503E-05	9.51479E-05	4.58417E-05	8.76334E-05	8.79826E-05
8.90559E-05	3.01947E-05	8.242E-05	9.51106E-05	8.55435E-05	9.02828E-05	4.35247E-05	8.242E-05	8.89556E-05
8.71132E-05	3.05542E-05	7.9417E-05	9.56266E-05	8.3153E-05	8.77567E-05	4.23366E-05	7.9417E-05	8.94638E-05
8.58779E-05	3.08782E-05	7.71978E-05	9.63796E-05	8.15032E-05	8.60247E-05	4.14165E-05	7.71978E-05	9.02198E-05

8.37051E-05	2.97873E-05	7.48552E-05	9.03592E-05	7.9291E-05	8.37345E-05	3.98949E-05	7.48552E-05	8.50634E-05
8.28863E-05	2.95019E-05	7.39705E-05	9.08233E-05	7.84527E-05	8.28577E-05	3.93982E-05	7.39705E-05	8.55342E-05
8.08855E-05	2.84014E-05	7.29452E-05	9.00751E-05	7.68821E-05	8.11824E-05	3.87555E-05	7.29452E-05	8.47791E-05
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8.63439E-05	2.99531E-05	7.89148E-05	9.06195E-05	8.25103E-05	8.70906E-05	4.19009E-05	7.89148E-05	8.43984E-05
9.36534E-05	3.20621E-05	8.52567E-05	8.71241E-05	8.93694E-05	9.43808E-05	4.49383E-05	8.52567E-05	8.08628E-05
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0.000115156	4.72147E-05	0.000100311	7.1051E-05	0.000107802	0.000113551	5.68276E-05	0.000100311	6.64876E-05
0.000118496	5.1458E-05	0.000102059	6.00126E-05	0.000110366	0.000116112	5.94204E-05	0.000102059	5.72212E-05
0.000115759	5.07975E-05	9.87746E-05	5.22036E-05	0.000107416	0.000112974	5.81353E-05	9.87746E-05	5.02705E-05
0.000111617	4.61944E-05	9.26027E-05	4.66663E-05	0.000102557	0.000108039	5.39547E-05	9.26027E-05	4.56247E-05
0.000101854	3.96177E-05	8.58087E-05	4.5137E-05	9.41951E-05	9.93181E-05	4.8775E-05	8.58087E-05	4.40817E-05
9.25092E-05	3.19541E-05	8.00011E-05	4.42651E-05	8.65185E-05	9.13741E-05	4.34695E-05	8.00011E-05	4.32041E-05
8.00703E-05	2.40524E-05	7.11303E-05	4.43767E-05	7.57634E-05	8.01343E-05	3.70112E-05	7.11303E-05	4.33248E-05
7.82298E-05	2.1206E-05	7.08105E-05	4.4644E-05	7.46293E-05	7.90166E-05	3.57315E-05	7.08105E-05	4.35994E-05
7.86866E-05	2.03717E-05	7.20353E-05	4.58485E-05	7.54264E-05	7.98824E-05	3.59201E-05	7.20353E-05	4.48257E-05
8.2795E-05	2.10151E-05	7.65349E-05	4.86787E-05	7.96811E-05	8.43861E-05	3.79666E-05	7.65349E-05	4.76961E-05
9.01069E-05	2.34957E-05	8.36486E-05	5.24811E-05	8.68466E-05	9.19284E-05	4.17916E-05	8.36486E-05	5.15417E-05
9.7244E-05	2.66691E-05	8.98185E-05	5.35828E-05	9.35011E-05	9.89227E-05	4.54331E-05	8.98185E-05	5.26303E-05
9.80382E-05	2.99326E-05	9.13738E-05	9.51741E-05	9.45218E-05	9.98482E-05	4.72986E-05	9.13738E-05	8.90705E-05
9.27246E-05	3.03694E-05	8.70338E-05	9.41634E-05	8.9599E-05	9.45691E-05	4.55344E-05	8.70338E-05	8.80126E-05
8.84582E-05	3.00461E-05	8.17144E-05	9.5121E-05	8.49053E-05	8.96143E-05	4.3156E-05	8.17144E-05	8.89648E-05
8.65224E-05	3.04115E-05	7.87381E-05	9.56266E-05	8.25297E-05	8.71024E-05	4.19882E-05	7.87381E-05	8.94626E-05
8.53689E-05	3.07545E-05	7.66097E-05	9.63841E-05	8.0965E-05	8.54598E-05	4.11135E-05	7.66097E-05	9.02232E-05
8.32249E-05	2.96686E-05	7.42916E-05	9.03652E-05	7.87795E-05	8.31984E-05	3.96015E-05	7.42916E-05	8.50683E-05
8.23317E-05	2.93706E-05	7.33454E-05	9.0803E-05	7.78724E-05	8.22477E-05	3.90816E-05	7.33454E-05	8.55127E-05
8.04308E-05	2.82966E-05	7.24453E-05	9.00232E-05	7.64115E-05	8.06868E-05	3.85067E-05	7.24453E-05	8.4726E-05
8.16335E-05	2.83886E-05	7.42842E-05	9.41593E-05	7.78736E-05	8.22105E-05	3.9423E-05	7.42842E-05	8.79778E-05
8.59769E-05	2.98552E-05	7.84514E-05	9.06074E-05	8.21063E-05	8.66695E-05	4.16486E-05	7.84514E-05	8.43854E-05
9.3239E-05	3.19518E-05	8.4735E-05	8.71265E-05	8.89138E-05	9.39058E-05	4.46547E-05	8.4735E-05	8.08643E-05
0.000104055	3.80054E-05	9.28407E-05	8.50435E-05	9.84513E-05	0.000103911	5.00462E-05	9.28407E-05	7.87575E-05
0.000114691	4.70966E-05	9.97512E-05	7.10576E-05	0.000107301	0.000113027	5.6531E-05	9.97512E-05	6.64935E-05
0.000117951	5.13186E-05	0.000101398	6.00286E-05	0.000109777	0.000115496	5.90693E-05	0.000101398	5.7236E-05
0.000116725	5.06848E-05	9.8146E-05	5.22352E-05	0.000107726	0.00011336	5.77793E-05	9.8146E-05	5.03004E-05
0.000110884	4.60114E-05	9.17339E-05	4.67128E-05	0.000101773	0.000107217	5.34995E-05	9.17339E-05	4.56695E-05
0.000100949	3.94044E-05	8.47933E-05	4.51893E-05	9.32504E-05	9.83247E-05	4.82621E-05	8.47933E-05	4.41323E-05
9.20573E-05	3.18425E-05	7.9471E-05	4.44154E-05	8.60373E-05	9.08697E-05	4.31936E-05	7.9471E-05	4.3353E-05
8.00703E-05	2.40524E-05	7.11303E-05	4.43767E-05	7.57634E-05	8.01343E-05	3.70112E-05	7.11303E-05	4.33248E-05
7.82298E-05	2.1206E-05	7.08105E-05	4.4644E-05	7.46293E-05	7.90166E-05	3.57315E-05	7.08105E-05	4.35994E-05
7.86866E-05	2.03717E-05	7.20353E-05	4.58485E-05	7.54264E-05	7.98824E-05	3.59201E-05	7.20353E-05	4.48257E-05
8.2795E-05	2.10151E-05	7.65349E-05	4.86787E-05	7.96811E-05	8.43861E-05	3.79666E-05	7.65349E-05	4.76961E-05
9.01069E-05	2.34957E-05	8.36486E-05	5.24811E-05	8.68466E-05	9.19284E-05	4.17916E-05	8.36486E-05	5.15417E-05
9.7244E-05	2.66691E-05	8.98185E-05	5.35828E-05	9.35011E-05	9.89227E-05	4.54331E-05	8.98185E-05	5.26303E-05
9.80382E-05	2.99326E-05	9.13738E-05	9.51741E-05	9.45218E-05	9.98482E-05	4.72986E-05	9.13738E-05	8.90705E-05
9.27246E-05	3.03694E-05	8.70338E-05	9.41634E-05	8.9599E-05	9.45691E-05	4.55344E-05	8.70338E-05	8.80126E-05
8.84582E-05	3.00461E-05	8.17144E-05	9.5121E-05	8.49053E-05	8.96143E-05	4.3156E-05	8.17144E-05	8.89648E-05
8.65224E-05	3.04115E-05	7.87381E-05	9.56266E-05	8.25297E-05	8.71024E-05	4.19882E-05	7.87381E-05	8.94626E-05
8.53689E-05	3.07545E-05	7.66097E-05	9.63841E-05	8.0965E-05	8.54598E-05	4.11135E-05	7.66097E-05	9.02232E-05
8.32249E-05	2.96686E-05	7.42916E-05	9.03652E-05	7.87795E-05	8.31984E-05	3.96015E-05	7.42916E-05	8.50683E-05
8.23317E-05	2.93706E-05	7.33454E-05	9.0803E-05	7.78724E-05	8.22477E-05	3.90816E-05	7.33454E-05	8.55127E-05
8.04308E-05	2.82966E-05	7.24453E-05	9.00232E-05	7.64115E-05	8.06868E-05	3.85067E-05	7.24453E-05	8.4726E-05
8.16335E-05	2.83886E-05	7.42842E-05	9.41593E-05	7.78736E-05	8.22105E-05	3.9423E-05	7.42842E-05	8.79778E-05
8.59769E-05	2.98552E-05	7.84514E-05	9.06074E-05	8.21063E-05	8.66695E-05	4.16486E-05	7.84514E-05	8.43854E-05
9.3239E-05	3.19518E-05	8.4735E-05	8.71265E-05	8.89138E-05	9.39058E-05	4.46547E-05	8.4735E-05	8.08643E-05
0.000104055	3.80054E-05	9.28407E-05	8.50435E-05	9.84513E-05	0.000103911	5.00462E-05	9.28407E-05	7.87575E-05
0.000114691	4.70966E-05	9.97512E-05	7.10576E-05	0.000107301	0.000113027	5.6531E-05	9.97512E-05	6.64935E-05
0.000117951	5.13186E-05	0.000101398	6.00286E-05	0.000109777	0.000115496	5.90693E-05	0.000101398	5.7236E-05
0.000116725	5.06848E-05	9.8146E-05	5.22352E-05	0.000107726	0.00011336	5.77793E-05	9.8146E-05	5.03004E-05
0.000110884	4.60114E-05	9.17339E-05	4.67128E-05	0.000101773	0.000107217	5.34995E-05	9.17339E-05	4.56695E-05
0.000100949	3.94044E-05	8.47933E-05	4.51893E-05	9.32504E-05	9.83247E-05	4.82621E-05	8.47933E-05	4.41323E-05
9.20573E-05	3.18425E-05	7.9471E-05	4.44154E-05	8.60373E-05	9.08697E-05	4.31936E-05	7.9471E-05	4.3353E-05
8.00703E-05	2.40524E-05	7.11303E-05	4.43767E-05	7.57634E-05	8.01343E-05	3.70112E-05	7.11303E-05	4.33248E-05
7.82298E-05	2.1206E-05	7.08105E-05	4.4644E-05	7.46293E-05	7.90166E-05	3.57315E-05	7.08105E-05	4.35994E-05
7.86866E-05	2.03717E-05	7.20353E-05	4.58485E-05	7.54264E-05	7.98824E-05	3.59201E-05	7.20353E-05	4.48257E-05
8.2795E-05	2.10151E-05	7.65349E-05	4.86787E-05	7.96811E-05	8.43861E-05	3.79666E-05	7.65349E-05	4.76961E-05
9.01069E-05	2.34957E-05	8.36486E-05	5.24811E-05	8.68466E-05	9.19284E-05	4.17916E-05	8.36486E-05	5.15417E-05
9.7244E-05	2.66691E-05	8.98185E-05	5.35828E-05	9.35011E-05	9.89227E-05	4.54331E-05	8.98185E-05	5.26303E-05
9.80382E-05	2.99326E-05	9.13738E-05	9.51741E-05	9.45218E-05	9.98482E-05	4.72986E-05	9.13738E-05	8.90705E-05
9.27246E-05	3.03694E-05	8.70338E-05	9.41634E-05	8.9599E-05	9.45691E-05	4.55344E-05	8.70338E-05	8.80126E-05
8.84582E-05	3.00461E-05	8.17144E-05	9.5121E-05	8.49053E-05	8.96143E-05	4.3156E-05	8.17144E-05	8.89648E-05
8.65224E-05	3.04115E-05	7.87381E-05	9.56266E-05	8.25297E-05	8.71024E-05	4.19882E-05	7.87381E-05	8.94626E-05
8.53689E-05	3.07545E-05	7.66097E-05	9.63841E-05	8.0965E-05	8.54598E-05	4.11135E-05	7.66097E-05	9.02232E-05
8.32249E-05	2.96686E-05	7.42916E-05	9.03652E-05	7.87795E-05	8.31984E-05	3.96015E-05	7.42916E-05	8.50683E-05
8.23317E-05	2.93706E-05	7.33454E-05	9.0803E-05	7.78724E-05	8.22477E-05	3.90816E-05	7.33454E-05	8.55127E-05
8.04308E-05	2.82966E-05	7.24453E-05	9.00232E-05	7.64115E-05	8.06868E-05	3.85067E-05	7.24453E-05	8.4726E-05
8.16335E-05	2.83886E-05	7.42842E-05	9.41593E-05	7.78736E-05	8.22105E-05	3.9423E-05	7.42842E-05	8.79778E-05

8.59769E-05	2.98552E-05	7.84514E-05	9.06074E-05	8.21063E-05	8.66695E-05	4.16486E-05	7.84514E-05	8.43854E-05
9.3239E-05	3.19518E-05	8.4735E-05	8.71265E-05	8.89138E-05	9.39058E-05	4.46547E-05	8.4735E-05	8.08643E-05
0.000104055	3.80054E-05	9.28407E-05	8.50435E-05	9.84513E-05	0.000103911	5.00462E-05	9.28407E-05	7.87575E-05
0.000114691	4.70966E-05	9.97512E-05	7.10576E-05	0.000107301	0.000113027	5.6531E-05	9.97512E-05	6.64935E-05
0.000117951	5.13186E-05	0.000101398	6.00286E-05	0.000109777	0.000115496	5.90693E-05	0.000101398	5.7236E-05
0.000116725	5.06848E-05	9.8146E-05	5.22352E-05	0.000107726	0.00011336	5.77793E-05	9.8146E-05	5.03004E-05
0.000110884	4.60114E-05	9.17339E-05	4.67128E-05	0.000101773	0.000107217	5.34995E-05	9.17339E-05	4.56695E-05
0.000100949	3.94044E-05	8.47933E-05	4.51893E-05	9.32504E-05	9.83247E-05	4.82621E-05	8.47933E-05	4.41323E-05
9.20573E-05	3.18425E-05	7.9471E-05	4.44154E-05	8.60373E-05	9.08697E-05	4.31936E-05	7.9471E-05	4.3353E-05
8.00703E-05	2.40524E-05	7.11303E-05	4.43767E-05	7.57634E-05	8.01343E-05	3.70112E-05	7.11303E-05	4.33248E-05
7.82298E-05	2.1206E-05	7.08105E-05	4.4644E-05	7.46293E-05	7.90166E-05	3.57315E-05	7.08105E-05	4.35994E-05
7.86866E-05	2.03717E-05	7.20353E-05	4.58485E-05	7.54264E-05	7.98824E-05	3.59201E-05	7.20353E-05	4.48257E-05
8.2795E-05	2.10151E-05	7.65349E-05	4.86787E-05	7.96811E-05	8.43861E-05	3.79666E-05	7.65349E-05	4.76961E-05
9.01069E-05	2.34957E-05	8.36486E-05	5.24811E-05	8.68466E-05	9.19284E-05	4.17916E-05	8.36486E-05	5.15417E-05
9.7244E-05	2.66691E-05	8.98185E-05	5.35828E-05	9.35011E-05	9.89227E-05	4.54331E-05	8.98185E-05	5.26303E-05
9.80382E-05	2.99326E-05	9.13738E-05	9.51741E-05	9.45218E-05	9.98482E-05	4.72986E-05	9.13738E-05	8.90705E-05
9.27246E-05	3.03694E-05	8.70338E-05	9.41634E-05	8.9599E-05	9.45691E-05	4.55344E-05	8.70338E-05	8.80126E-05
8.84582E-05	3.00461E-05	8.17144E-05	9.5121E-05	8.49053E-05	8.96143E-05	4.3156E-05	8.17144E-05	8.89648E-05
8.65224E-05	3.04115E-05	7.87381E-05	9.56266E-05	8.25297E-05	8.71024E-05	4.19882E-05	7.87381E-05	8.94626E-05
8.53689E-05	3.07545E-05	7.66097E-05	9.63841E-05	8.0965E-05	8.54598E-05	4.11135E-05	7.66097E-05	9.02232E-05
8.32249E-05	2.96686E-05	7.42916E-05	9.03652E-05	7.87795E-05	8.31984E-05	3.96015E-05	7.42916E-05	8.50683E-05
8.23317E-05	2.93706E-05	7.33454E-05	9.0803E-05	7.78724E-05	8.22477E-05	3.90816E-05	7.33454E-05	8.55127E-05
8.04308E-05	2.82966E-05	7.24453E-05	9.00232E-05	7.64115E-05	8.06868E-05	3.85067E-05	7.24453E-05	8.4726E-05
8.16335E-05	2.83886E-05	7.42842E-05	9.41593E-05	7.78736E-05	8.22105E-05	3.9423E-05	7.42842E-05	8.79778E-05
8.59769E-05	2.98552E-05	7.84514E-05	9.06074E-05	8.21063E-05	8.66695E-05	4.16486E-05	7.84514E-05	8.43854E-05
9.3239E-05	3.19518E-05	8.4735E-05	8.71265E-05	8.89138E-05	9.39058E-05	4.46547E-05	8.4735E-05	8.08643E-05
0.000104055	3.80054E-05	9.28407E-05	8.50435E-05	9.84513E-05	0.000103911	5.00462E-05	9.28407E-05	7.87575E-05
0.000114691	4.70966E-05	9.97512E-05	7.10576E-05	0.000107301	0.000113027	5.6531E-05	9.97512E-05	6.64935E-05
0.000117951	5.13186E-05	0.000101398	6.00286E-05	0.000109777	0.000115496	5.90693E-05	0.000101398	5.7236E-05
0.000116725	5.06848E-05	9.8146E-05	5.22352E-05	0.000107726	0.00011336	5.77793E-05	9.8146E-05	5.03004E-05
0.000110884	4.60114E-05	9.17339E-05	4.67128E-05	0.000101773	0.000107217	5.34995E-05	9.17339E-05	4.56695E-05
0.000100949	3.94044E-05	8.47933E-05	4.51893E-05	9.32504E-05	9.83247E-05	4.82621E-05	8.47933E-05	4.41323E-05
9.20573E-05	3.18425E-05	7.9471E-05	4.44154E-05	8.60373E-05	9.08697E-05	4.31936E-05	7.9471E-05	4.3353E-05
8.00703E-05	2.40524E-05	7.11303E-05	4.43767E-05	7.57634E-05	8.01343E-05	3.70112E-05	7.11303E-05	4.33248E-05
7.82298E-05	2.1206E-05	7.08105E-05	4.4644E-05	7.46293E-05	7.90166E-05	3.57315E-05	7.08105E-05	4.35994E-05
7.86866E-05	2.03717E-05	7.20353E-05	4.58485E-05	7.54264E-05	7.98824E-05	3.59201E-05	7.20353E-05	4.48257E-05
8.2795E-05	2.10151E-05	7.65349E-05	4.86787E-05	7.96811E-05	8.43861E-05	3.79666E-05	7.65349E-05	4.76961E-05
9.01069E-05	2.34957E-05	8.36486E-05	5.24811E-05	8.68466E-05	9.19284E-05	4.17916E-05	8.36486E-05	5.15417E-05
9.7244E-05	2.66691E-05	8.98185E-05	5.35828E-05	9.35011E-05	9.89227E-05	4.54331E-05	8.98185E-05	5.26303E-05
9.80382E-05	2.99326E-05	9.13738E-05	9.51741E-05	9.45218E-05	9.98482E-05	4.72986E-05	9.13738E-05	8.90705E-05
9.27246E-05	3.03694E-05	8.70338E-05	9.41634E-05	8.9599E-05	9.45691E-05	4.55344E-05	8.70338E-05	8.80126E-05
8.84582E-05	3.00461E-05	8.17144E-05	9.5121E-05	8.49053E-05	8.96143E-05	4.3156E-05	8.17144E-05	8.89648E-05
8.65224E-05	3.04115E-05	7.87381E-05	9.56266E-05	8.25297E-05	8.71024E-05	4.19882E-05	7.87381E-05	8.94626E-05
8.53689E-05	3.07545E-05	7.66097E-05	9.63841E-05	8.0965E-05	8.54598E-05	4.11135E-05	7.66097E-05	9.02232E-05
8.32249E-05	2.96686E-05	7.42916E-05	9.03652E-05	7.87795E-05	8.31984E-05	3.96015E-05	7.42916E-05	8.50683E-05
8.23317E-05	2.93706E-05	7.33454E-05	9.0803E-05	7.78724E-05	8.22477E-05	3.90816E-05	7.33454E-05	8.55127E-05
8.04308E-05	2.82966E-05	7.24453E-05	9.00232E-05	7.64115E-05	8.06868E-05	3.85067E-05	7.24453E-05	8.4726E-05
8.16335E-05	2.83886E-05	7.42842E-05	9.41593E-05	7.78736E-05	8.22105E-05	3.9423E-05	7.42842E-05	8.79778E-05
8.59769E-05	2.98552E-05	7.84514E-05	9.06074E-05	8.21063E-05	8.66695E-05	4.16486E-05	7.84514E-05	8.43854E-05
9.3239E-05	3.19518E-05	8.4735E-05	8.71265E-05	8.89138E-05	9.39058E-05	4.46547E-05	8.4735E-05	8.08643E-05
0.000104055	3.80054E-05	9.28407E-05	8.50435E-05	9.84513E-05	0.000103911	5.00462E-05	9.28407E-05	7.87575E-05
0.000114691	4.70966E-05	9.97512E-05	7.10576E-05	0.000107301	0.000113027	5.6531E-05	9.97512E-05	6.64935E-05
0.000117951	5.13186E-05	0.000101398	6.00286E-05	0.000109777	0.000115496	5.90693E-05	0.000101398	5.7236E-05
0.000116725	5.06848E-05	9.8146E-05	5.22352E-05	0.000107726	0.00011336	5.77793E-05	9.8146E-05	5.03004E-05
0.000110884	4.60114E-05	9.17339E-05	4.67128E-05	0.000101773	0.000107217	5.34995E-05	9.17339E-05	4.56695E-05
0.000100949	3.94044E-05	8.47933E-05	4.51893E-05	9.32504E-05	9.83247E-05	4.82621E-05	8.47933E-05	4.41323E-05
9.20573E-05	3.18425E-05	7.9471E-05	4.44154E-05	8.60373E-05	9.08697E-05	4.31936E-05	7.9471E-05	4.3353E-05
8.00274E-05	2.40419E-05	7.108E-05	4.42814E-05	7.57177E-05	8.00864E-05	3.6985E-05	7.108E-05	4.32307E-05
7.85694E-05	2.12883E-05	7.12016E-05	4.46036E-05	7.49879E-05	7.9393E-05	3.59326E-05	7.12016E-05	4.35597E-05
7.90422E-05	2.04567E-05	7.24395E-05	4.58368E-05	7.57998E-05	8.02747E-05	3.61261E-05	7.24395E-05	4.48156E-05
8.3182E-05	2.11053E-05	7.69644E-05	4.8652E-05	8.00833E-05	8.48094E-05	3.81818E-05	7.69644E-05	4.76712E-05
9.05498E-05	2.36003E-05	8.41466E-05	5.24499E-05	8.73095E-05	9.24151E-05	4.20435E-05	8.41466E-05	5.15122E-05
9.75975E-05	2.67528E-05	9.02168E-05	5.35412E-05	9.38709E-05	9.93115E-05	4.56348E-05	9.02168E-05	5.25903E-05
0.000100057	3.00865E-05	9.20101E-05	9.51392E-05	9.59658E-05	0.00010142	4.76108E-05	9.20101E-05	8.90371E-05
9.32477E-05	3.04955E-05	8.76334E-05	9.41322E-05	9.01503E-05	9.51479E-05	4.58417E-05	8.76334E-05	8.79826E-05
8.90559E-05	3.01947E-05	8.242E-05	9.51106E-05	8.55435E-05	9.02828E-05	4.35247E-05	8.242E-05	8.89556E-05
8.71132E-05	3.05542E-05	7.9417E-05	9.56266E-05	8.3153E-05	8.77567E-05	4.23366E-05	7.9417E-05	8.94638E-05
8.58779E-05	3.08782E-05	7.71978E-05	9.63796E-05	8.15032E-05	8.60247E-05	4.14165E-05	7.71978E-05	9.02198E-05
8.37051E-05	2.97873E-05	7.48552E-05	9.03592E-05	7.9291E-05	8.37345E-05	3.98949E-05	7.48552E-05	8.50634E-05
8.28863E-05	2.95019E-05	7.39705E-05	9.08233E-05	7.84527E-05	8.28577E-05	3.93982E-05	7.39705E-05	8.55342E-05
8.08855E-05	2.84014E-05	7.29452E-05	9.00751E-05	7.68821E-05	8.11824E-05	3.87555E-05	7.29452E-05	8.47791E-05
8.19896E-05	2.84762E-05	7.47003E-05	9.41999E-05	7.82521E-05	8.26073E-05	3.96391E-05	7.47003E-05	8.80196E-05
8.63439E-05	2.99531E-05	7.89148E-05	9.06195E-05	8.25103E-05	8.70906E-05	4.19009E-05	7.89148E-05	8.43984E-05
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0.000104503	3.81232E-05	9.33982E-05	8.50384E-05	9.89409E-05	0.000104422	5.03475E-05	9.33982E-05	7.87531E-05
0.000115156	4.72147E-05	0.000100311	7.1051E-05	0.000107802	0.000113551	5.68276E-05	0.000100311	6.64876E-05

0.000118496	5.1458E-05	0.000102059	6.00126E-05	0.000110366	0.000116112	5.94204E-05	0.000102059	5.72212E-05
0.000115759	5.07975E-05	9.87746E-05	5.22036E-05	0.000107416	0.000112974	5.81353E-05	9.87746E-05	5.02705E-05
0.000111617	4.61944E-05	9.26027E-05	4.66663E-05	0.000102557	0.000108039	5.39547E-05	9.26027E-05	4.56247E-05
0.000101854	3.96177E-05	8.58087E-05	4.5137E-05	9.41951E-05	9.93181E-05	4.8775E-05	8.58087E-05	4.40817E-05
9.25092E-05	3.19541E-05	8.00011E-05	4.42651E-05	8.65185E-05	9.13741E-05	4.34695E-05	8.00011E-05	4.32041E-05
8.00274E-05	2.40419E-05	7.108E-05	4.42814E-05	7.57177E-05	8.00864E-05	3.6985E-05	7.108E-05	4.32307E-05
7.85694E-05	2.12883E-05	7.12016E-05	4.46036E-05	7.49879E-05	7.9393E-05	3.59326E-05	7.12016E-05	4.35597E-05
7.90422E-05	2.04567E-05	7.24395E-05	4.58368E-05	7.57998E-05	8.02747E-05	3.61261E-05	7.24395E-05	4.48156E-05
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9.32477E-05	3.04955E-05	8.76334E-05	9.41322E-05	9.01503E-05	9.51479E-05	4.58417E-05	8.76334E-05	8.79826E-05
8.90559E-05	3.01947E-05	8.242E-05	9.51106E-05	8.55435E-05	9.02828E-05	4.35247E-05	8.242E-05	8.89556E-05
8.71132E-05	3.05542E-05	7.9417E-05	9.56266E-05	8.3153E-05	8.77567E-05	4.23366E-05	7.9417E-05	8.94638E-05
8.58779E-05	3.08782E-05	7.71978E-05	9.63796E-05	8.15032E-05	8.60247E-05	4.14165E-05	7.71978E-05	9.02198E-05
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8.08855E-05	2.84014E-05	7.29452E-05	9.00751E-05	7.68821E-05	8.11824E-05	3.87555E-05	7.29452E-05	8.47791E-05
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9.36534E-05	3.20621E-05	8.52567E-05	8.71241E-05	8.93694E-05	9.43808E-05	4.49383E-05	8.52567E-05	8.08628E-05
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0.000118496	5.1458E-05	0.000102059	6.00126E-05	0.000110366	0.000116112	5.94204E-05	0.000102059	5.72212E-05
0.000115759	5.07975E-05	9.87746E-05	5.22036E-05	0.000107416	0.000112974	5.81353E-05	9.87746E-05	5.02705E-05
0.000111617	4.61944E-05	9.26027E-05	4.66663E-05	0.000102557	0.000108039	5.39547E-05	9.26027E-05	4.56247E-05
0.000101854	3.96177E-05	8.58087E-05	4.5137E-05	9.41951E-05	9.93181E-05	4.8775E-05	8.58087E-05	4.40817E-05
9.25092E-05	3.19541E-05	8.00011E-05	4.42651E-05	8.65185E-05	9.13741E-05	4.34695E-05	8.00011E-05	4.32041E-05
8.00703E-05	2.40524E-05	7.11303E-05	4.43767E-05	7.57634E-05	8.01343E-05	3.70112E-05	7.11303E-05	4.33248E-05
7.82298E-05	2.1206E-05	7.08105E-05	4.4644E-05	7.46293E-05	7.90166E-05	3.57315E-05	7.08105E-05	4.35994E-05
7.86866E-05	2.03717E-05	7.20353E-05	4.58485E-05	7.54264E-05	7.98824E-05	3.59201E-05	7.20353E-05	4.48257E-05
8.2795E-05	2.10151E-05	7.65349E-05	4.86787E-05	7.96811E-05	8.43861E-05	3.79666E-05	7.65349E-05	4.76961E-05
9.01069E-05	2.34957E-05	8.36486E-05	5.24811E-05	8.68466E-05	9.19284E-05	4.17916E-05	8.36486E-05	5.15417E-05
9.7244E-05	2.66691E-05	8.98185E-05	5.35828E-05	9.35011E-05	9.89227E-05	4.54331E-05	8.98185E-05	5.26303E-05
9.80382E-05	2.99326E-05	9.13738E-05	9.51741E-05	9.45218E-05	9.98482E-05	4.72986E-05	9.13738E-05	8.90705E-05
9.27246E-05	3.03694E-05	8.70338E-05	9.41634E-05	8.9599E-05	9.45691E-05	4.55344E-05	8.70338E-05	8.80126E-05
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8.65224E-05	3.04115E-05	7.87381E-05	9.56266E-05	8.25297E-05	8.71024E-05	4.19882E-05	7.87381E-05	8.94626E-05
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8.32249E-05	2.96686E-05	7.42916E-05	9.03652E-05	7.87795E-05	8.31984E-05	3.96015E-05	7.42916E-05	8.50683E-05
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9.3239E-05	3.19518E-05	8.4735E-05	8.71265E-05	8.89138E-05	9.39058E-05	4.46547E-05	8.4735E-05	8.08643E-05
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0.000114691	4.70966E-05	9.97512E-05	7.10576E-05	0.000107301	0.000113027	5.6531E-05	9.97512E-05	6.64935E-05
0.000117951	5.13186E-05	0.000101398	6.00286E-05	0.000109777	0.000115496	5.90693E-05	0.000101398	5.7236E-05
0.000116725	5.06848E-05	9.8146E-05	5.22352E-05	0.000107726	0.00011336	5.77793E-05	9.8146E-05	5.03004E-05
0.000110884	4.60114E-05	9.17339E-05	4.67128E-05	0.000101773	0.000107217	5.34995E-05	9.17339E-05	4.56695E-05
0.000100949	3.94044E-05	8.47933E-05	4.51893E-05	9.32504E-05	9.83247E-05	4.82621E-05	8.47933E-05	4.41323E-05
9.20573E-05	3.18425E-05	7.9471E-05	4.44154E-05	8.60373E-05	9.08697E-05	4.31936E-05	7.9471E-05	4.3353E-05
8.00703E-05	2.40524E-05	7.11303E-05	4.43767E-05	7.57634E-05	8.01343E-05	3.70112E-05	7.11303E-05	4.33248E-05
7.82298E-05	2.1206E-05	7.08105E-05	4.4644E-05	7.46293E-05	7.90166E-05	3.57315E-05	7.08105E-05	4.35994E-05
7.86866E-05	2.03717E-05	7.20353E-05	4.58485E-05	7.54264E-05	7.98824E-05	3.59201E-05	7.20353E-05	4.48257E-05
8.2795E-05	2.10151E-05	7.65349E-05	4.86787E-05	7.96811E-05	8.43861E-05	3.79666E-05	7.65349E-05	4.76961E-05
9.01069E-05	2.34957E-05	8.36486E-05	5.24811E-05	8.68466E-05	9.19284E-05	4.17916E-05	8.36486E-05	5.15417E-05
9.7244E-05	2.66691E-05	8.98185E-05	5.35828E-05	9.35011E-05	9.89227E-05	4.54331E-05	8.98185E-05	5.26303E-05
9.80382E-05	2.99326E-05	9.13738E-05	9.51741E-05	9.45218E-05	9.98482E-05	4.72986E-05	9.13738E-05	8.90705E-05
9.27246E-05	3.03694E-05	8.70338E-05	9.41634E-05	8.9599E-05	9.45691E-05	4.55344E-05	8.70338E-05	8.80126E-05
8.84582E-05	3.00461E-05	8.17144E-05	9.5121E-05	8.49053E-05	8.96143E-05	4.3156E-05	8.17144E-05	8.89648E-05
8.65224E-05	3.04115E-05	7.87381E-05	9.56266E-05	8.25297E-05	8.71024E-05	4.19882E-05	7.87381E-05	8.94626E-05
8.53689E-05	3.07545E-05	7.66097E-05	9.63841E-05	8.0965E-05	8.54598E-05	4.11135E-05	7.66097E-05	9.02232E-05
8.32249E-05	2.96686E-05	7.42916E-05	9.03652E-05	7.87795E-05	8.31984E-05	3.96015E-05	7.42916E-05	8.50683E-05
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8.16335E-05	2.83886E-05	7.42842E-05	9.41593E-05	7.78736E-05	8.22105E-05	3.9423E-05	7.42842E-05	8.79778E-05
8.59769E-05	2.98552E-05	7.84514E-05	9.06074E-05	8.21063E-05	8.66695E-05	4.16486E-05	7.84514E-05	8.43854E-05
9.3239E-05	3.19518E-05	8.4735E-05	8.71265E-05	8.89138E-05	9.39058E-05	4.46547E-05	8.4735E-05	8.08643E-05
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0.000114691	4.70966E-05	9.97512E-05	7.10576E-05	0.000107301	0.000113027	5.6531E-05	9.97512E-05	6.64935E-05
0.000117951	5.13186E-05	0.000101398	6.00286E-05	0.000109777	0.000115496	5.90693E-05	0.000101398	5.7236E-05
0.000116725	5.06848E-05	9.8146E-05	5.22352E-05	0.000107726	0.00011336	5.77793E-05	9.8146E-05	5.03004E-05
0.000110884	4.60114E-05	9.17339E-05	4.67128E-05	0.000101773	0.000107217	5.34995E-05	9.17339E-05	4.56695E-05
0.000100949	3.94044E-05	8.47933E-05	4.51893E-05	9.32504E-05	9.83247E-05	4.82621E-05	8.47933E-05	4.41323E-05

9.20573E-05	3.18425E-05	7.9471E-05	4.44154E-05	8.60373E-05	9.08697E-05	4.31936E-05	7.9471E-05	4.3353E-05
8.00703E-05	2.40524E-05	7.11303E-05	4.43767E-05	7.57634E-05	8.01343E-05	3.70112E-05	7.11303E-05	4.33248E-05
7.82298E-05	2.1206E-05	7.08105E-05	4.4644E-05	7.46293E-05	7.90166E-05	3.57315E-05	7.08105E-05	4.35994E-05
7.86866E-05	2.03717E-05	7.20353E-05	4.58485E-05	7.54264E-05	7.98824E-05	3.59201E-05	7.20353E-05	4.48257E-05
8.2795E-05	2.10151E-05	7.65349E-05	4.86787E-05	7.96811E-05	8.43861E-05	3.79666E-05	7.65349E-05	4.76961E-05
9.01069E-05	2.34957E-05	8.36486E-05	5.24811E-05	8.68466E-05	9.19284E-05	4.17916E-05	8.36486E-05	5.15417E-05
9.7244E-05	2.66691E-05	8.98185E-05	5.35828E-05	9.35011E-05	9.89227E-05	4.54331E-05	8.98185E-05	5.26303E-05
9.80382E-05	2.99326E-05	9.13738E-05	9.51741E-05	9.45218E-05	9.98482E-05	4.72986E-05	9.13738E-05	8.90705E-05
9.27246E-05	3.03694E-05	8.70338E-05	9.41634E-05	8.9599E-05	9.45691E-05	4.55344E-05	8.70338E-05	8.80126E-05
8.84582E-05	3.00461E-05	8.17144E-05	9.5121E-05	8.49053E-05	8.96143E-05	4.3156E-05	8.17144E-05	8.89648E-05
8.65224E-05	3.04115E-05	7.87381E-05	9.56266E-05	8.25297E-05	8.71024E-05	4.19882E-05	7.87381E-05	8.94626E-05
8.53689E-05	3.07545E-05	7.66097E-05	9.63841E-05	8.0965E-05	8.54598E-05	4.11135E-05	7.66097E-05	9.02232E-05
8.32249E-05	2.96686E-05	7.42916E-05	9.03652E-05	7.87795E-05	8.31984E-05	3.96015E-05	7.42916E-05	8.50683E-05
8.23317E-05	2.93706E-05	7.33454E-05	9.0803E-05	7.78724E-05	8.22477E-05	3.90816E-05	7.33454E-05	8.55127E-05
8.04308E-05	2.82966E-05	7.24453E-05	9.00232E-05	7.64115E-05	8.06868E-05	3.85067E-05	7.24453E-05	8.4726E-05
8.16335E-05	2.83886E-05	7.42842E-05	9.41593E-05	7.78736E-05	8.22105E-05	3.9423E-05	7.42842E-05	8.79778E-05
8.59769E-05	2.98552E-05	7.84514E-05	9.06074E-05	8.21063E-05	8.66695E-05	4.16486E-05	7.84514E-05	8.43854E-05
9.3239E-05	3.19518E-05	8.4735E-05	8.71265E-05	8.89138E-05	9.39058E-05	4.46547E-05	8.4735E-05	8.08643E-05
0.000104055	3.80054E-05	9.28407E-05	8.50435E-05	9.84513E-05	0.000103911	5.00462E-05	9.28407E-05	7.87575E-05
0.000114691	4.70966E-05	9.97512E-05	7.10576E-05	0.000107301	0.000113027	5.6531E-05	9.97512E-05	6.64935E-05
0.000117951	5.13186E-05	0.000101398	6.00286E-05	0.000109777	0.000115496	5.90693E-05	0.000101398	5.7236E-05
0.000116725	5.06848E-05	9.8146E-05	5.22352E-05	0.000107726	0.00011336	5.77793E-05	9.8146E-05	5.03004E-05
0.000110884	4.60114E-05	9.17339E-05	4.67128E-05	0.000101773	0.000107217	5.34995E-05	9.17339E-05	4.56695E-05
0.000100949	3.94044E-05	8.47933E-05	4.51893E-05	9.32504E-05	9.83247E-05	4.82621E-05	8.47933E-05	4.41323E-05

8.3182E-05	2.11053E-05	7.69644E-05	4.8652E-05	8.00833E-05	8.48094E-05	3.81818E-05	7.69644E-05	4.76712E-05
9.05498E-05	2.36003E-05	8.41466E-05	5.24499E-05	8.73095E-05	9.24151E-05	4.20435E-05	8.41466E-05	5.15122E-05
9.75975E-05	2.67528E-05	9.02168E-05	5.35412E-05	9.38709E-05	9.93115E-05	4.56348E-05	9.02168E-05	5.25903E-05
0.000100057	3.00865E-05	9.20101E-05	9.51392E-05	9.59658E-05	0.00010142	4.76108E-05	9.20101E-05	8.90371E-05
9.32477E-05	3.04955E-05	8.76334E-05	9.41322E-05	9.01503E-05	9.51479E-05	4.58417E-05	8.76334E-05	8.79826E-05
8.90559E-05	3.01947E-05	8.242E-05	9.51106E-05	8.55435E-05	9.02828E-05	4.35247E-05	8.242E-05	8.89556E-05
8.71132E-05	3.05542E-05	7.9417E-05	9.56266E-05	8.3153E-05	8.77567E-05	4.23366E-05	7.9417E-05	8.94638E-05
8.58779E-05	3.08782E-05	7.71978E-05	9.63796E-05	8.15032E-05	8.60247E-05	4.14165E-05	7.71978E-05	9.02198E-05
8.37051E-05	2.97873E-05	7.48552E-05	9.03592E-05	7.9291E-05	8.37345E-05	3.98949E-05	7.48552E-05	8.50634E-05
8.28863E-05	2.95019E-05	7.39705E-05	9.08233E-05	7.84527E-05	8.28577E-05	3.93982E-05	7.39705E-05	8.55342E-05
8.08855E-05	2.84014E-05	7.29452E-05	9.00751E-05	7.68821E-05	8.11824E-05	3.87555E-05	7.29452E-05	8.47791E-05
8.19896E-05	2.84762E-05	7.47003E-05	9.41999E-05	7.82521E-05	8.26073E-05	3.96391E-05	7.47003E-05	8.80196E-05
8.63439E-05	2.99531E-05	7.89148E-05	9.06195E-05	8.25103E-05	8.70906E-05	4.19009E-05	7.89148E-05	8.43984E-05
9.36534E-05	3.20621E-05	8.52567E-05	8.71241E-05	8.93694E-05	9.43808E-05	4.49383E-05	8.52567E-05	8.08628E-05
0.000104503	3.81232E-05	9.33982E-05	8.50384E-05	9.89409E-05	0.000104422	5.03475E-05	9.33982E-05	7.87531E-05
0.000115156	4.72147E-05	0.000100311	7.1051E-05	0.000107802	0.000113551	5.68276E-05	0.000100311	6.64876E-05
0.000118496	5.1458E-05	0.000102059	6.00126E-05	0.000110366	0.000116112	5.94204E-05	0.000102059	5.72212E-05
0.000115759	5.07975E-05	9.87746E-05	5.22036E-05	0.000107416	0.000112974	5.81353E-05	9.87746E-05	5.02705E-05
0.000111617	4.61944E-05	9.26027E-05	4.66663E-05	0.000102557	0.000108039	5.39547E-05	9.26027E-05	4.56247E-05
0.000101854	3.96177E-05	8.58087E-05	4.5137E-05	9.41951E-05	9.93181E-05	4.8775E-05	8.58087E-05	4.40817E-05
9.25092E-05	3.19541E-05	8.00011E-05	4.42651E-05	8.65185E-05	9.13741E-05	4.34695E-05	8.00011E-05	4.32041E-05
8.00274E-05	2.40419E-05	7.108E-05	4.42814E-05	7.57177E-05	8.00864E-05	3.6985E-05	7.108E-05	4.32307E-05
7.85694E-05	2.12883E-05	7.12016E-05	4.46036E-05	7.49879E-05	7.9393E-05	3.59326E-05	7.12016E-05	4.35597E-05
7.90422E-05	2.04567E-05	7.24395E-05	4.58368E-05	7.57998E-05	8.02747E-05	3.61261E-05	7.24395E-05	4.48156E-05
8.3182E-05	2.11053E-05	7.69644E-05	4.8652E-05	8.00833E-05	8.48094E-05	3.81818E-05	7.69644E-05	4.76712E-05
9.05498E-05	2.36003E-05	8.41466E-05	5.24499E-05	8.73095E-05	9.24151E-05	4.20435E-05	8.41466E-05	5.15122E-05
9.75975E-05	2.67528E-05	9.02168E-05	5.35412E-05	9.38709E-05	9.93115E-05	4.56348E-05	9.02168E-05	5.25903E-05
0.000100057	3.00865E-05	9.20101E-05	9.51392E-05	9.59658E-05	0.00010142	4.76108E-05	9.20101E-05	8.90371E-05
9.32477E-05	3.04955E-05	8.76334E-05	9.41322E-05	9.01503E-05	9.51479E-05	4.58417E-05	8.76334E-05	8.79826E-05
8.90559E-05	3.01947E-05	8.242E-05	9.51106E-05	8.55435E-05	9.02828E-05	4.35247E-05	8.242E-05	8.89556E-05
8.71132E-05	3.05542E-05	7.9417E-05	9.56266E-05	8.3153E-05	8.77567E-05	4.23366E-05	7.9417E-05	8.94638E-05
8.58779E-05	3.08782E-05	7.71978E-05	9.63796E-05	8.15032E-05	8.60247E-05	4.14165E-05	7.71978E-05	9.02198E-05
8.37051E-05	2.97873E-05	7.48552E-05	9.03592E-05	7.9291E-05	8.37345E-05	3.98949E-05	7.48552E-05	8.50634E-05
8.28863E-05	2.95019E-05	7.39705E-05	9.08233E-05	7.84527E-05	8.28577E-05	3.93982E-05	7.39705E-05	8.55342E-05
8.08855E-05	2.84014E-05	7.29452E-05	9.00751E-05	7.68821E-05	8.11824E-05	3.87555E-05	7.29452E-05	8.47791E-05
8.19896E-05	2.84762E-05	7.47003E-05	9.41999E-05	7.82521E-05	8.26073E-05	3.96391E-05	7.47003E-05	8.80196E-05
8.63439E-05	2.99531E-05	7.89148E-05	9.06195E-05	8.25103E-05	8.70906E-05	4.19009E-05	7.89148E-05	8.43984E-05
9.36534E-05	3.20621E-05	8.52567E-05	8.71241E-05	8.93694E-05	9.43808E-05	4.49383E-05	8.52567E-05	8.08628E-05
0.000104503	3.81232E-05	9.33982E-05	8.50384E-05	9.89409E-05	0.000104422	5.03475E-05	9.33982E-05	7.87531E-05
0.000115156	4.72147E-05	0.000100311	7.1051E-05	0.000107802	0.000113551	5.68276E-05	0.000100311	6.64876E-05
0.000118496	5.1458E-05	0.000102059	6.00126E-05	0.000110366	0.000116112	5.94204E-05	0.000102059	5.72212E-05
0.000115759	5.07975E-05	9.87746E-05	5.22036E-05	0.000107416	0.000112974	5.81353E-05	9.87746E-05	5.02705E-05
0.000111617	4.61944E-05	9.26027E-05	4.66663E-05	0.000102557	0.000108039	5.39547E-05	9.26027E-05	4.56247E-05
0.000101854	3.96177E-05	8.58087E-05	4.5137E-05	9.41951E-05	9.93181E-05	4.8775E-05	8.58087E-05	4.40817E-05
9.25092E-05	3.19541E-05	8.00011E-05	4.42651E-05	8.65185E-05	9.13741E-05	4.34695E-05	8.00011E-05	4.32041E-05
8.00703E-05	2.40524E-05	7.11303E-05	4.43767E-05	7.57634E-05	8.01343E-05	3.70112E-05	7.11303E-05	4.33248E-05
7.82298E-05	2.1206E-05	7.08105E-05	4.4644E-05	7.46293E-05	7.90166E-05	3.57315E-05	7.08105E-05	4.35994E-05
7.86866E-05	2.03717E-05	7.20353E-05	4.58485E-05	7.54264E-05	7.98824E-05	3.59201E-05	7.20353E-05	4.48257E-05
8.2795E-05	2.10151E-05	7.65349E-05	4.86787E-05	7.96811E-05	8.43861E-05	3.79666E-05	7.65349E-05	4.76961E-05
9.01069E-05	2.34957E-05	8.36486E-05	5.24811E-05	8.68466E-05	9.19284E-05	4.17916E-05	8.36486E-05	5.15417E-05
9.7244E-05	2.66691E-05	8.98185E-05	5.35828E-05	9.35011E-05	9.89227E-05	4.54331E-05	8.98185E-05	5.26303E-05
9.80382E-05	2.99326E-05	9.13738E-05	9.51741E-05	9.45218E-05	9.98482E-05	4.72986E-05	9.13738E-05	8.90705E-05
9.27246E-05	3.03694E-05	8.70338E-05	9.41634E-05	8.9599E-05	9.45691E-05	4.55344E-05	8.70338E-05	8.80126E-05
8.84582E-05	3.00461E-05	8.17144E-05	9.5121E-05	8.49053E-05	8.96143E-05	4.3156E-05	8.17144E-05	8.89648E-05
8.65224E-05	3.04115E-05	7.87381E-05	9.56266E-05	8.25297E-05	8.71024E-05	4.19882E-05	7.87381E-05	8.94626E-05
8.53689E-05	3.07545E-05	7.66097E-05	9.63841E-05	8.0965E-05	8.54598E-05	4.11135E-05	7.66097E-05	9.02232E-05
8.32249E-05	2.96686E-05	7.42916E-05	9.03652E-05	7.87795E-05	8.31984E-05	3.96015E-05	7.42916E-05	8.50683E-05
8.23317E-05	2.93706E-05	7.33454E-05	9.0803E-05	7.78724E-05	8.22477E-05	3.90816E-05	7.33454E-05	8.55127E-05
8.04308E-05	2.82966E-05	7.24453E-05	9.00232E-05	7.64115E-05	8.06868E-05	3.85067E-05	7.24453E-05	8.4726E-05
8.16335E-05	2.83886E-05	7.42842E-05	9.41593E-05	7.78736E-05	8.22105E-05	3.9423E-05	7.42842E-05	8.79778E-05
8.59769E-05	2.98552E-05	7.84514E-05	9.06074E-05	8.21063E-05	8.66695E-05	4.16486E-05	7.84514E-05	8.43854E-05
9.3239E-05	3.19518E-05	8.4735E-05	8.71265E-05	8.89138E-05	9.39058E-05	4.46547E-05	8.4735E-05	8.08643E-05
0.000104055	3.80054E-05	9.28407E-05	8.50435E-05	9.84513E-05	0.000103911	5.00462E-05	9.28407E-05	7.87575E-05
0.000114691	4.70966E-05	9.97512E-05	7.10576E-05	0.000107301	0.000113027	5.6531E-05	9.97512E-05	6.64935E-05
0.000117951	5.13186E-05	0.000101398	6.00286E-05	0.000109777	0.000115496	5.90693E-05	0.000101398	5.7236E-05
0.000116725	5.06848E-05	9.8146E-05	5.22352E-05	0.000107726	0.00011336	5.77793E-05	9.8146E-05	5.03004E-05
0.000110884	4.60114E-05	9.17339E-05	4.67128E-05	0.000101773	0.000107217	5.34995E-05	9.17339E-05	4.56695E-05
0.000100949	3.94044E-05	8.47933E-05	4.51893E-05	9.32504E-05	9.83247E-05	4.82621E-05	8.47933E-05	4.41323E-05
9.20573E-05	3.18425E-05	7.9471E-05	4.44154E-05	8.60373E-05	9.08697E-05	4.31936E-05	7.9471E-05	4.3353E-05
8.00703E-05	2.40524E-05	7.11303E-05	4.43767E-05	7.57634E-05	8.01343E-05	3.70112E-05	7.11303E-05	4.33248E-05
7.82298E-05	2.1206E-05	7.08105E-05	4.4644E-05	7.46293E-05	7.90166E-05	3.57315E-05	7.08105E-05	4.35994E-05
7.86866E-05	2.03717E-05	7.20353E-05	4.58485E-05	7.54264E-05	7.98824E-05	3.59201E-05	7.20353E-05	4.48257E-05
8.2795E-05	2.10151E-05	7.65349E-05	4.86787E-05	7.96811E-05	8.43861E-05	3.79666E-05	7.65349E-05	4.76961E-05
9.01069E-05	2.34957E-05	8.36486E-05	5.24811E-05	8.68466E-05	9.19284E-05	4.17916E-05	8.36486E-05	5.15417E-05
9.7244E-05	2.66691E-05	8.98185E-05	5.35828E-05	9.35011E-05	9.89227E-05	4.54331E-05	8.98185E-05	5.26303E-05
9.80382E-05	2.99326E-05	9.13738E-05	9.51741E-05	9.45218E-05	9.98482E-05	4.72986E-05	9.13738E-05	8.90705E-05

9.27246E-05	3.03694E-05	8.70338E-05	9.41634E-05	8.9599E-05	9.45691E-05	4.55344E-05	8.70338E-05	8.80126E-05
8.84582E-05	3.00461E-05	8.17144E-05	9.5121E-05	8.49053E-05	8.96143E-05	4.3156E-05	8.17144E-05	8.89648E-05
8.65224E-05	3.04115E-05	7.87381E-05	9.56266E-05	8.25297E-05	8.71024E-05	4.19882E-05	7.87381E-05	8.94626E-05
8.53689E-05	3.07545E-05	7.66097E-05	9.63841E-05	8.0965E-05	8.54598E-05	4.11135E-05	7.66097E-05	9.02232E-05
8.32249E-05	2.96686E-05	7.42916E-05	9.03652E-05	7.87795E-05	8.31984E-05	3.96015E-05	7.42916E-05	8.50683E-05
8.23317E-05	2.93706E-05	7.33454E-05	9.0803E-05	7.78724E-05	8.22477E-05	3.90816E-05	7.33454E-05	8.55127E-05
8.04308E-05	2.82966E-05	7.24453E-05	9.00232E-05	7.64115E-05	8.06868E-05	3.85067E-05	7.24453E-05	8.4726E-05
8.16335E-05	2.83886E-05	7.42842E-05	9.41593E-05	7.78736E-05	8.22105E-05	3.9423E-05	7.42842E-05	8.79778E-05
8.59769E-05	2.98552E-05	7.84514E-05	9.06074E-05	8.21063E-05	8.66695E-05	4.16486E-05	7.84514E-05	8.43854E-05
9.3239E-05	3.19518E-05	8.4735E-05	8.71265E-05	8.89138E-05	9.39058E-05	4.46547E-05	8.4735E-05	8.08643E-05
0.000104055	3.80054E-05	9.28407E-05	8.50435E-05	9.84513E-05	0.000103911	5.00462E-05	9.28407E-05	7.87575E-05
0.000114691	4.70966E-05	9.97512E-05	7.10576E-05	0.000107301	0.000113027	5.6531E-05	9.97512E-05	6.64935E-05
0.000117951	5.13186E-05	0.000101398	6.00286E-05	0.000109777	0.000115496	5.90693E-05	0.000101398	5.7236E-05
0.000116725	5.06848E-05	9.8146E-05	5.22352E-05	0.000107726	0.00011336	5.77793E-05	9.8146E-05	5.03004E-05
0.000110884	4.60114E-05	9.17339E-05	4.67128E-05	0.000101773	0.000107217	5.34995E-05	9.17339E-05	4.56695E-05
0.000100949	3.94044E-05	8.47933E-05	4.51893E-05	9.32504E-05	9.83247E-05	4.82621E-05	8.47933E-05	4.41323E-05
9.20573E-05	3.18425E-05	7.9471E-05	4.44154E-05	8.60373E-05	9.08697E-05	4.31936E-05	7.9471E-05	4.3353E-05
8.00703E-05	2.40524E-05	7.11303E-05	4.43767E-05	7.57634E-05	8.01343E-05	3.70112E-05	7.11303E-05	4.33248E-05
7.82298E-05	2.1206E-05	7.08105E-05	4.4644E-05	7.46293E-05	7.90166E-05	3.57315E-05	7.08105E-05	4.35994E-05
7.86866E-05	2.03717E-05	7.20353E-05	4.58485E-05	7.54264E-05	7.98824E-05	3.59201E-05	7.20353E-05	4.48257E-05
8.2795E-05	2.10151E-05	7.65349E-05	4.86787E-05	7.96811E-05	8.43861E-05	3.79666E-05	7.65349E-05	4.76961E-05
9.01069E-05	2.34957E-05	8.36486E-05	5.24811E-05	8.68466E-05	9.19284E-05	4.17916E-05	8.36486E-05	5.15417E-05
9.7244E-05	2.66691E-05	8.98185E-05	5.35828E-05	9.35011E-05	9.89227E-05	4.54331E-05	8.98185E-05	5.26303E-05
9.80382E-05	2.99326E-05	9.13738E-05	9.51741E-05	9.45218E-05	9.98482E-05	4.72986E-05	9.13738E-05	8.90705E-05
9.27246E-05	3.03694E-05	8.70338E-05	9.41634E-05	8.9599E-05	9.45691E-05	4.55344E-05	8.70338E-05	8.80126E-05
8.84582E-05	3.00461E-05	8.17144E-05	9.5121E-05	8.49053E-05	8.96143E-05	4.3156E-05	8.17144E-05	8.89648E-05
8.65224E-05	3.04115E-05	7.87381E-05	9.56266E-05	8.25297E-05	8.71024E-05	4.19882E-05	7.87381E-05	8.94626E-05
8.53689E-05	3.07545E-05	7.66097E-05	9.63841E-05	8.0965E-05	8.54598E-05	4.11135E-05	7.66097E-05	9.02232E-05
8.32249E-05	2.96686E-05	7.42916E-05	9.03652E-05	7.87795E-05	8.31984E-05	3.96015E-05	7.42916E-05	8.50683E-05
8.23317E-05	2.93706E-05	7.33454E-05	9.0803E-05	7.78724E-05	8.22477E-05	3.90816E-05	7.33454E-05	8.55127E-05
8.04308E-05	2.82966E-05	7.24453E-05	9.00232E-05	7.64115E-05	8.06868E-05	3.85067E-05	7.24453E-05	8.4726E-05
8.16335E-05	2.83886E-05	7.42842E-05	9.41593E-05	7.78736E-05	8.22105E-05	3.9423E-05	7.42842E-05	8.79778E-05
8.59769E-05	2.98552E-05	7.84514E-05	9.06074E-05	8.21063E-05	8.66695E-05	4.16486E-05	7.84514E-05	8.43854E-05
9.3239E-05	3.19518E-05	8.4735E-05	8.71265E-05	8.89138E-05	9.39058E-05	4.46547E-05	8.4735E-05	8.08643E-05
0.000104055	3.80054E-05	9.28407E-05	8.50435E-05	9.84513E-05	0.000103911	5.00462E-05	9.28407E-05	7.87575E-05
0.000114691	4.70966E-05	9.97512E-05	7.10576E-05	0.000107301	0.000113027	5.6531E-05	9.97512E-05	6.64935E-05
0.000117951	5.13186E-05	0.000101398	6.00286E-05	0.000109777	0.000115496	5.90693E-05	0.000101398	5.7236E-05
0.000116725	5.06848E-05	9.8146E-05	5.22352E-05	0.000107726	0.00011336	5.77793E-05	9.8146E-05	5.03004E-05
0.000110884	4.60114E-05	9.17339E-05	4.67128E-05	0.000101773	0.000107217	5.34995E-05	9.17339E-05	4.56695E-05
0.000100949	3.94044E-05	8.47933E-05	4.51893E-05	9.32504E-05	9.83247E-05	4.82621E-05	8.47933E-05	4.41323E-05
9.20573E-05	3.18425E-05	7.9471E-05	4.44154E-05	8.60373E-05	9.08697E-05	4.31936E-05	7.9471E-05	4.3353E-05
8.00703E-05	2.40524E-05	7.11303E-05	4.43767E-05	7.57634E-05	8.01343E-05	3.70112E-05	7.11303E-05	4.33248E-05
7.82298E-05	2.1206E-05	7.08105E-05	4.4644E-05	7.46293E-05	7.90166E-05	3.57315E-05	7.08105E-05	4.35994E-05
7.86866E-05	2.03717E-05	7.20353E-05	4.58485E-05	7.54264E-05	7.98824E-05	3.59201E-05	7.20353E-05	4.48257E-05
8.2795E-05	2.10151E-05	7.65349E-05	4.86787E-05	7.96811E-05	8.43861E-05	3.79666E-05	7.65349E-05	4.76961E-05
9.01069E-05	2.34957E-05	8.36486E-05	5.24811E-05	8.68466E-05	9.19284E-05	4.17916E-05	8.36486E-05	5.15417E-05
9.7244E-05	2.66691E-05	8.98185E-05	5.35828E-05	9.35011E-05	9.89227E-05	4.54331E-05	8.98185E-05	5.26303E-05
9.80382E-05	2.99326E-05	9.13738E-05	9.51741E-05	9.45218E-05	9.98482E-05	4.72986E-05	9.13738E-05	8.90705E-05
9.27246E-05	3.03694E-05	8.70338E-05	9.41634E-05	8.9599E-05	9.45691E-05	4.55344E-05	8.70338E-05	8.80126E-05
8.84582E-05	3.00461E-05	8.17144E-05	9.5121E-05	8.49053E-05	8.96143E-05	4.3156E-05	8.17144E-05	8.89648E-05
8.65224E-05	3.04115E-05	7.87381E-05	9.56266E-05	8.25297E-05	8.71024E-05	4.19882E-05	7.87381E-05	8.94626E-05
8.53689E-05	3.07545E-05	7.66097E-05	9.63841E-05	8.0965E-05	8.54598E-05	4.11135E-05	7.66097E-05	9.02232E-05
8.32249E-05	2.96686E-05	7.42916E-05	9.03652E-05	7.87795E-05	8.31984E-05	3.96015E-05	7.42916E-05	8.50683E-05
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8.04308E-05	2.82966E-05	7.24453E-05	9.00232E-05	7.64115E-05	8.06868E-05	3.85067E-05	7.24453E-05	8.4726E-05
8.16335E-05	2.83886E-05	7.42842E-05	9.41593E-05	7.78736E-05	8.22105E-05	3.9423E-05	7.42842E-05	8.79778E-05
8.59769E-05	2.98552E-05	7.84514E-05	9.06074E-05	8.21063E-05	8.66695E-05	4.16486E-05	7.84514E-05	8.43854E-05
9.3239E-05	3.19518E-05	8.4735E-05	8.71265E-05	8.89138E-05	9.39058E-05	4.46547E-05	8.4735E-05	8.08643E-05
0.000104055	3.80054E-05	9.28407E-05	8.50435E-05	9.84513E-05	0.000103911	5.00462E-05	9.28407E-05	7.87575E-05
0.000114691	4.70966E-05	9.97512E-05	7.10576E-05	0.000107301	0.000113027	5.6531E-05	9.97512E-05	6.64935E-05
0.000117951	5.13186E-05	0.000101398	6.00286E-05	0.000109777	0.000115496	5.90693E-05	0.000101398	5.7236E-05
0.000116725	5.06848E-05	9.8146E-05	5.22352E-05	0.000107726	0.00011336	5.77793E-05	9.8146E-05	5.03004E-05
0.000110884	4.60114E-05	9.17339E-05	4.67128E-05	0.000101773	0.000107217	5.34995E-05	9.17339E-05	4.56695E-05
0.000100949	3.94044E-05	8.47933E-05	4.51893E-05	9.32504E-05	9.83247E-05	4.82621E-05	8.47933E-05	4.41323E-05
9.20573E-05	3.18425E-05	7.9471E-05	4.44154E-05	8.60373E-05	9.08697E-05	4.31936E-05	7.9471E-05	4.3353E-05
6.62192E-05	2.06261E-05	5.48558E-05	4.42941E-05	6.10046E-05	6.46671E-05	2.85328E-05	5.48558E-05	4.32216E-05
6.4443E-05	1.77672E-05	5.44838E-05	4.49126E-05	5.98875E-05	6.35763E-05	2.71826E-05	5.44838E-05	4.3857E-05
6.5698E-05	1.71378E-05	5.66804E-05	4.67445E-05	6.15489E-05	6.53454E-05	2.78889E-05	5.66804E-05	4.5722E-05
7.09963E-05	1.80388E-05	6.24125E-05	5.03658E-05	6.70047E-05	7.11197E-05	3.05212E-05	6.24125E-05	4.93925E-05
7.7812E-05	2.02436E-05	6.82549E-05	5.40974E-05	7.33641E-05	7.7866E-05	3.345E-05	6.82549E-05	5.31637E-05
8.25357E-05	2.27563E-05	7.13021E-05	5.48754E-05	7.73314E-05	8.20646E-05	3.53671E-05	7.13021E-05	5.39179E-05
8.12014E-05	2.55538E-05	7.06294E-05	9.66415E-05	7.6194E-05	8.0709E-05	3.61647E-05	7.06294E-05	9.05373E-05
7.62829E-05	2.63108E-05	6.7754E-05	9.53081E-05	7.20954E-05	7.62226E-05	3.55035E-05	6.7754E-05	8.91595E-05
7.35232E-05	2.64032E-05	6.43988E-05	9.59713E-05	6.90853E-05	7.30184E-05	3.42142E-05	6.43988E-05	8.9811E-05
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7.22806E-05	2.76236E-05	6.17122E-05	9.66136E-05	6.72126E-05	7.10133E-05	3.35159E-05	6.17122E-05	9.0438E-05

7.03589E-05	2.6696E-05	6.01197E-05	9.07571E-05	6.54513E-05	6.91634E-05	3.25396E-05	6.01197E-05	8.54424E-05
6.86443E-05	2.62496E-05	5.84546E-05	9.04476E-05	6.37682E-05	6.73819E-05	3.17289E-05	5.84546E-05	8.51278E-05
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9.96691E-05	4.32613E-05	8.15642E-05	7.05302E-05	9.1078E-05	9.60638E-05	4.68738E-05	8.15642E-05	6.59551E-05
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9.41504E-05	4.20714E-05	7.29697E-05	4.59072E-05	8.43038E-05	8.88464E-05	4.40292E-05	7.29697E-05	4.48326E-05
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6.58785E-05	2.05348E-05	5.44241E-05	4.4307E-05	6.06289E-05	6.42756E-05	2.82972E-05	5.44241E-05	4.32332E-05
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6.54407E-05	1.70625E-05	5.63254E-05	4.67584E-05	6.12535E-05	6.50396E-05	2.76861E-05	5.63254E-05	4.57345E-05
7.07459E-05	1.79532E-05	6.20119E-05	5.03849E-05	6.6695E-05	7.08027E-05	3.02763E-05	6.20119E-05	4.94114E-05
7.76703E-05	2.01814E-05	6.79663E-05	5.41552E-05	7.31639E-05	7.76649E-05	3.32582E-05	6.79663E-05	5.32216E-05
8.23842E-05	2.26985E-05	7.1033E-05	5.49653E-05	7.71333E-05	8.18634E-05	3.5196E-05	7.1033E-05	5.40077E-05
8.26303E-05	2.55511E-05	7.05247E-05	9.67172E-05	7.69899E-05	8.16047E-05	3.60748E-05	7.05247E-05	9.06129E-05
7.59913E-05	2.62365E-05	6.74018E-05	9.54465E-05	7.17808E-05	7.58936E-05	3.53168E-05	6.74018E-05	8.92972E-05
7.319E-05	2.6318E-05	6.39946E-05	9.6198E-05	6.87251E-05	7.26419E-05	3.39993E-05	6.39946E-05	9.00373E-05
7.24332E-05	2.69786E-05	6.24198E-05	9.65645E-05	6.76123E-05	7.14523E-05	3.35671E-05	6.24198E-05	9.03938E-05
7.20309E-05	2.75599E-05	6.14097E-05	9.68776E-05	6.6943E-05	7.07314E-05	3.33551E-05	6.14097E-05	9.07017E-05
7.01732E-05	2.6643E-05	5.98698E-05	9.09112E-05	6.52406E-05	6.89449E-05	3.23987E-05	5.98698E-05	8.55946E-05
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7.21561E-05	2.57518E-05	6.18335E-05	9.22162E-05	6.72451E-05	7.11652E-05	3.24898E-05	6.18335E-05	8.59793E-05
7.8069E-05	2.74284E-05	6.70431E-05	8.88122E-05	7.28271E-05	7.70953E-05	3.49859E-05	6.70431E-05	8.25447E-05
8.35185E-05	2.91568E-05	7.15574E-05	8.60375E-05	7.78485E-05	8.24341E-05	3.71927E-05	7.15574E-05	7.97489E-05
9.07886E-05	3.45258E-05	7.63633E-05	8.44209E-05	8.39566E-05	8.87837E-05	4.11599E-05	7.63633E-05	7.81246E-05
9.97192E-05	4.32674E-05	8.15948E-05	7.05057E-05	9.11199E-05	9.61098E-05	4.68802E-05	8.15948E-05	6.59305E-05
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9.91432E-05	4.66849E-05	7.92412E-05	5.1468E-05	8.97066E-05	9.44157E-05	4.79556E-05	7.92412E-05	4.95036E-05
9.41549E-05	4.20653E-05	7.29426E-05	4.58786E-05	8.42955E-05	8.884E-05	4.4004E-05	7.29426E-05	4.48048E-05
8.34983E-05	3.53362E-05	6.54077E-05	4.48494E-05	7.51068E-05	7.92309E-05	3.8543E-05	6.54077E-05	4.37689E-05
7.51027E-05	2.78358E-05	6.03933E-05	4.43887E-05	6.83115E-05	7.22333E-05	3.35414E-05	6.03933E-05	4.331E-05
6.58785E-05	2.05348E-05	5.44241E-05	4.4307E-05	6.06289E-05	6.42756E-05	2.82972E-05	5.44241E-05	4.32332E-05
6.41325E-05	1.76809E-05	5.40762E-05	4.49325E-05	5.95394E-05	6.32146E-05	2.69556E-05	5.40762E-05	4.38753E-05
6.54407E-05	1.70625E-05	5.63254E-05	4.67584E-05	6.12535E-05	6.50396E-05	2.76861E-05	5.63254E-05	4.57345E-05
7.07459E-05	1.79532E-05	6.20119E-05	5.03849E-05	6.6695E-05	7.08027E-05	3.02763E-05	6.20119E-05	4.94114E-05
7.76703E-05	2.01814E-05	6.79663E-05	5.41552E-05	7.31639E-05	7.76649E-05	3.32582E-05	6.79663E-05	5.32216E-05
8.23842E-05	2.26985E-05	7.1033E-05	5.49653E-05	7.71333E-05	8.18634E-05	3.5196E-05	7.1033E-05	5.40077E-05
8.26303E-05	2.55511E-05	7.05247E-05	9.67172E-05	7.69899E-05	8.16047E-05	3.60748E-05	7.05247E-05	9.06129E-05
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7.319E-05	2.6318E-05	6.39946E-05	9.6198E-05	6.87251E-05	7.26419E-05	3.39993E-05	6.39946E-05	9.00373E-05
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7.01732E-05	2.6643E-05	5.98698E-05	9.09112E-05	6.52406E-05	6.89449E-05	3.23987E-05	5.98698E-05	8.55946E-05
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6.8553E-05	2.53496E-05	5.845E-05	8.89251E-05	6.37394E-05	6.74093E-05	3.12023E-05	5.845E-05	8.35835E-05
7.21561E-05	2.57518E-05	6.18335E-05	9.22162E-05	6.72451E-05	7.11652E-05	3.24898E-05	6.18335E-05	8.59793E-05
7.8069E-05	2.74284E-05	6.70431E-05	8.88122E-05	7.28271E-05	7.70953E-05	3.49859E-05	6.70431E-05	8.25447E-05
8.35185E-05	2.91568E-05	7.15574E-05	8.60375E-05	7.78485E-05	8.24341E-05	3.71927E-05	7.15574E-05	7.97489E-05
9.07886E-05	3.45258E-05	7.63633E-05	8.44209E-05	8.39566E-05	8.87837E-05	4.11599E-05	7.63633E-05	7.81246E-05
9.97192E-05	4.32674E-05	8.15948E-05	7.05057E-05	9.11199E-05	9.61098E-05	4.68802E-05	8.15948E-05	6.59305E-05
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9.91432E-05	4.66849E-05	7.92412E-05	5.1468E-05	8.97066E-05	9.44157E-05	4.79556E-05	7.92412E-05	4.95036E-05
9.41549E-05	4.20653E-05	7.29426E-05	4.58786E-05	8.42955E-05	8.884E-05	4.4004E-05	7.29426E-05	4.48048E-05
8.34983E-05	3.53362E-05	6.54077E-05	4.48494E-05	7.51068E-05	7.92309E-05	3.8543E-05	6.54077E-05	4.37689E-05
7.51027E-05	2.78358E-05	6.03933E-05	4.43887E-05	6.83115E-05	7.22333E-05	3.35414E-05	6.03933E-05	4.331E-05
6.62192E-05	2.06261E-05	5.48558E-05	4.42941E-05	6.10046E-05	6.46671E-05	2.85328E-05	5.48558E-05	4.32216E-05
6.4443E-05	1.77672E-05	5.44838E-05	4.49126E-05	5.98875E-05	6.35763E-05	2.71826E-05	5.44838E-05	4.3857E-05
6.5698E-05	1.71378E-05	5.66804E-05	4.67445E-05	6.15489E-05	6.53454E-05	2.78889E-05	5.66804E-05	4.5722E-05
7.09963E-05	1.80388E-05	6.24125E-05	5.03658E-05	6.70047E-05	7.11197E-05	3.05212E-05	6.24125E-05	4.93925E-05
7.7812E-05	2.02436E-05	6.82549E-05	5.40974E-05	7.33641E-05	7.7866E-05	3.345E-05	6.82549E-05	5.31637E-05
8.25357E-05	2.27563E-05	7.13021E-05	5.48754E-05	7.73314E-05	8.20646E-05	3.53671E-05	7.13021E-05	5.39179E-05
8.12014E-05	2.55538E-05	7.06294E-05	9.66415E-05	7.6194E-05	8.0709E-05	3.61647E-05	7.06294E-05	9.05373E-05
7.62829E-05	2.63108E-05	6.7754E-05	9.53081E-05	7.20954E-05	7.62226E-05	3.55035E-05	6.7754E-05	8.91595E-05
7.35232E-05	2.64032E-05	6.43988E-05	9.59713E-05	6.90853E-05	7.30184E-05	3.42142E-05	6.43988E-05	8.9811E-05
7.26908E-05	2.7045E-05	6.27343E-05	9.63241E-05	6.78916E-05	7.17441E-05	3.3735E-05	6.27343E-05	9.01541E-05
7.22806E-05	2.76236E-05	6.17122E-05	9.66136E-05	6.72126E-05	7.10133E-05	3.35159E-05	6.17122E-05	9.0438E-05
7.03589E-05	2.6696E-05	6.01197E-05	9.07571E-05	6.54513E-05	6.91634E-05	3.25396E-05	6.01197E-05	8.54424E-05
6.86443E-05	2.62496E-05	5.84546E-05	9.04476E-05	6.37682E-05	6.73819E-05	3.17289E-05	5.84546E-05	8.51278E-05
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7.23349E-05	2.57982E-05	6.20533E-05	9.21174E-05	6.74395E-05	7.13683E-05	3.26076E-05	6.20533E-05	8.58815E-05

7.81755E-05	2.746E-05	6.71918E-05	8.87646E-05	7.29501E-05	7.72224E-05	3.50713E-05	6.71918E-05	8.24973E-05
8.34243E-05	2.9129E-05	7.14264E-05	8.60331E-05	7.77399E-05	8.23217E-05	3.71176E-05	7.14264E-05	7.9745E-05
9.07113E-05	3.45031E-05	7.62562E-05	8.44282E-05	8.38678E-05	8.86917E-05	4.10986E-05	7.62562E-05	7.81325E-05
9.96691E-05	4.32613E-05	8.15642E-05	7.05302E-05	9.1078E-05	9.60638E-05	4.68738E-05	8.15642E-05	6.59551E-05
0.000102668	4.75046E-05	8.32904E-05	5.94223E-05	9.34313E-05	9.83767E-05	4.9585E-05	8.32904E-05	5.66091E-05
0.000100767	4.67437E-05	7.9425E-05	5.15031E-05	9.07343E-05	9.55503E-05	4.8036E-05	7.9425E-05	4.95378E-05
9.41504E-05	4.20714E-05	7.29697E-05	4.59072E-05	8.43038E-05	8.88464E-05	4.40292E-05	7.29697E-05	4.48326E-05
8.34425E-05	3.53295E-05	6.5374E-05	4.48813E-05	7.50601E-05	7.91797E-05	3.85363E-05	6.5374E-05	4.38E-05
7.50649E-05	2.78295E-05	6.03624E-05	4.44403E-05	6.82767E-05	7.21958E-05	3.35299E-05	6.03624E-05	4.33611E-05
6.62192E-05	2.06261E-05	5.48558E-05	4.42941E-05	6.10046E-05	6.46671E-05	2.85328E-05	5.48558E-05	4.32216E-05
6.4443E-05	1.77672E-05	5.44838E-05	4.49126E-05	5.98875E-05	6.35763E-05	2.71826E-05	5.44838E-05	4.3857E-05
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7.09963E-05	1.80388E-05	6.24125E-05	5.03658E-05	6.70047E-05	7.11197E-05	3.05212E-05	6.24125E-05	4.93925E-05
7.7812E-05	2.02436E-05	6.82549E-05	5.40974E-05	7.33641E-05	7.7866E-05	3.345E-05	6.82549E-05	5.31637E-05
8.25357E-05	2.27563E-05	7.13021E-05	5.48754E-05	7.73314E-05	8.20646E-05	3.53671E-05	7.13021E-05	5.39179E-05
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7.35232E-05	2.64032E-05	6.43988E-05	9.59713E-05	6.90853E-05	7.30184E-05	3.42142E-05	6.43988E-05	8.9811E-05
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7.22806E-05	2.76236E-05	6.17122E-05	9.66136E-05	6.72126E-05	7.10133E-05	3.35159E-05	6.17122E-05	9.0438E-05
7.03589E-05	2.6696E-05	6.01197E-05	9.07571E-05	6.54513E-05	6.91634E-05	3.25396E-05	6.01197E-05	8.54424E-05
6.86443E-05	2.62496E-05	5.84546E-05	9.04476E-05	6.37682E-05	6.73819E-05	3.17289E-05	5.84546E-05	8.51278E-05
6.86772E-05	2.53879E-05	5.86302E-05	8.87913E-05	6.38856E-05	6.75601E-05	3.13078E-05	5.86302E-05	8.34508E-05
7.23349E-05	2.57982E-05	6.20533E-05	9.21174E-05	6.74395E-05	7.13683E-05	3.26076E-05	6.20533E-05	8.58815E-05

0.000102668	4.75046E-05	8.32904E-05	5.94223E-05	9.34313E-05	9.83767E-05	4.9585E-05	8.32904E-05	5.66091E-05
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9.41504E-05	4.20714E-05	7.29697E-05	4.59072E-05	8.43038E-05	8.88464E-05	4.40292E-05	7.29697E-05	4.48326E-05
8.34425E-05	3.53295E-05	6.5374E-05	4.48813E-05	7.50601E-05	7.91797E-05	3.85363E-05	6.5374E-05	4.38E-05
7.50649E-05	2.78295E-05	6.03624E-05	4.44403E-05	6.82767E-05	7.21958E-05	3.35299E-05	6.03624E-05	4.33611E-05
6.62192E-05	2.06261E-05	5.48558E-05	4.42941E-05	6.10046E-05	6.46671E-05	2.85328E-05	5.48558E-05	4.32216E-05
6.4443E-05	1.77672E-05	5.44838E-05	4.49126E-05	5.98875E-05	6.35763E-05	2.71826E-05	5.44838E-05	4.3857E-05
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7.09963E-05	1.80388E-05	6.24125E-05	5.03658E-05	6.70047E-05	7.11197E-05	3.05212E-05	6.24125E-05	4.93925E-05
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8.25357E-05	2.27563E-05	7.13021E-05	5.48754E-05	7.73314E-05	8.20646E-05	3.53671E-05	7.13021E-05	5.39179E-05
8.12014E-05	2.55538E-05	7.06294E-05	9.66415E-05	7.6194E-05	8.0709E-05	3.61647E-05	7.06294E-05	9.05373E-05
7.62829E-05	2.63108E-05	6.7754E-05	9.53081E-05	7.20954E-05	7.62226E-05	3.55035E-05	6.7754E-05	8.91595E-05
7.35232E-05	2.64032E-05	6.43988E-05	9.59713E-05	6.90853E-05	7.30184E-05	3.42142E-05	6.43988E-05	8.9811E-05
7.26908E-05	2.7045E-05	6.27343E-05	9.63241E-05	6.78916E-05	7.17441E-05	3.3735E-05	6.27343E-05	9.01541E-05
7.22806E-05	2.76236E-05	6.17122E-05	9.66136E-05	6.72126E-05	7.10133E-05	3.35159E-05	6.17122E-05	9.0438E-05
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7.23349E-05	2.57982E-05	6.20533E-05	9.21174E-05	6.74395E-05	7.13683E-05	3.26076E-05	6.20533E-05	8.58815E-05
7.81755E-05	2.746E-05	6.71918E-05	8.87646E-05	7.29501E-05	7.72224E-05	3.50713E-05	6.71918E-05	8.24973E-05
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9.96691E-05	4.32613E-05	8.15642E-05	7.05302E-05	9.1078E-05	9.60638E-05	4.68738E-05	8.15642E-05	6.59551E-05
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8.34425E-05	3.53295E-05	6.5374E-05	4.48813E-05	7.50601E-05	7.91797E-05	3.85363E-05	6.5374E-05	4.38E-05
7.50649E-05	2.78295E-05	6.03624E-05	4.44403E-05	6.82767E-05	7.21958E-05	3.35299E-05	6.03624E-05	4.33611E-05
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6.41325E-05	1.76809E-05	5.40762E-05	4.49325E-05	5.95394E-05	6.32146E-05	2.69556E-05	5.40762E-05	4.38753E-05
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7.76703E-05	2.01814E-05	6.79663E-05	5.41552E-05	7.31639E-05	7.76649E-05	3.32582E-05	6.79663E-05	5.32216E-05
8.23842E-05	2.26985E-05	7.1033E-05	5.49653E-05	7.71333E-05	8.18634E-05	3.5196E-05	7.1033E-05	5.40077E-05
8.26303E-05	2.55511E-05	7.05247E-05	9.67172E-05	7.69899E-05	8.16047E-05	3.60748E-05	7.05247E-05	9.06129E-05
7.59913E-05	2.62365E-05	6.74018E-05	9.54465E-05	7.17808E-05	7.58936E-05	3.53168E-05	6.74018E-05	8.92972E-05
7.319E-05	2.6318E-05	6.39946E-05	9.6198E-05	6.87251E-05	7.26419E-05	3.39993E-05	6.39946E-05	9.00373E-05
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7.20309E-05	2.75599E-05	6.14097E-05	9.68776E-05	6.6943E-05	7.07314E-05	3.33551E-05	6.14097E-05	9.07017E-05
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7.21561E-05	2.57518E-05	6.18335E-05	9.22162E-05	6.72451E-05	7.11652E-05	3.24898E-05	6.18335E-05	8.59793E-05
7.8069E-05	2.74284E-05	6.70431E-05	8.88122E-05	7.28271E-05	7.70953E-05	3.49859E-05	6.70431E-05	8.25447E-05
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9.07886E-05	3.45258E-05	7.63633E-05	8.44209E-05	8.39566E-05	8.87837E-05	4.11599E-05	7.63633E-05	7.81246E-05
9.97192E-05	4.32674E-05	8.15948E-05	7.05057E-05	9.11199E-05	9.61098E-05	4.68802E-05	8.15948E-05	6.59305E-05
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9.41549E-05	4.20653E-05	7.29426E-05	4.58786E-05	8.42955E-05	8.884E-05	4.4004E-05	7.29426E-05	4.48048E-05
8.34983E-05	3.53362E-05	6.54077E-05	4.48494E-05	7.51068E-05	7.92309E-05	3.8543E-05	6.54077E-05	4.37689E-05
7.51027E-05	2.78358E-05	6.03933E-05	4.43887E-05	6.83115E-05	7.22333E-05	3.35414E-05	6.03933E-05	4.331E-05
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6.41325E-05	1.76809E-05	5.40762E-05	4.49325E-05	5.95394E-05	6.32146E-05	2.69556E-05	5.40762E-05	4.38753E-05
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7.319E-05	2.6318E-05	6.39946E-05	9.6198E-05	6.87251E-05	7.26419E-05	3.39993E-05	6.39946E-05	9.00373E-05
7.24332E-05	2.69786E-05	6.24198E-05	9.65645E-05	6.76123E-05	7.14523E-05	3.35671E-05	6.24198E-05	9.03938E-05
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7.01732E-05	2.6643E-05	5.98698E-05	9.09112E-05	6.52406E-05	6.89449E-05	3.23987E-05	5.98698E-05	8.55946E-05
6.84671E-05	2.61974E-05	5.82089E-05	9.05904E-05	6.35643E-05	6.71709E-05	3.15881E-05	5.82089E-05	8.52692E-05
6.8553E-05	2.53496E-05	5.845E-05	8.89251E-05	6.37394E-05	6.74093E-05	3.12023E-05	5.845E-05	8.35835E-05
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7.8069E-05	2.74284E-05	6.70431E-05	8.88122E-05	7.28271E-05	7.70953E-05	3.49859E-05	6.70431E-05	8.25447E-05
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9.07886E-05	3.45258E-05	7.63633E-05	8.44209E-05	8.39566E-05	8.87837E-05	4.11599E-05	7.63633E-05	7.81246E-05
9.97192E-05	4.32674E-05	8.15948E-05	7.05057E-05	9.11199E-05	9.61098E-05	4.68802E-05	8.15948E-05	6.59305E-05
0.000102722	4.75006E-05	8.32757E-05	5.94207E-05	9.34577E-05	9.841E-05	4.95505E-05	8.32757E-05	5.66084E-05
9.91432E-05	4.66849E-05	7.92412E-05	5.1468E-05	8.97066E-05	9.44157E-05	4.79556E-05	7.92412E-05	4.95036E-05
9.41549E-05	4.20653E-05	7.29426E-05	4.58786E-05	8.42955E-05	8.884E-05	4.4004E-05	7.29426E-05	4.48048E-05
8.34983E-05	3.53362E-05	6.54077E-05	4.48494E-05	7.51068E-05	7.92309E-05	3.8543E-05	6.54077E-05	4.37689E-05

7.51027E-05	2.78358E-05	6.03933E-05	4.43887E-05	6.83115E-05	7.22333E-05	3.35414E-05	6.03933E-05	4.331E-05
6.62192E-05	2.06261E-05	5.48558E-05	4.42941E-05	6.10046E-05	6.46671E-05	2.85328E-05	5.48558E-05	4.32216E-05
6.4443E-05	1.77672E-05	5.44838E-05	4.49126E-05	5.98875E-05	6.35763E-05	2.71826E-05	5.44838E-05	4.3857E-05
6.5698E-05	1.71378E-05	5.66804E-05	4.67445E-05	6.15489E-05	6.53454E-05	2.78889E-05	5.66804E-05	4.5722E-05
7.09963E-05	1.80388E-05	6.24125E-05	5.03658E-05	6.70047E-05	7.11197E-05	3.05212E-05	6.24125E-05	4.93925E-05
7.7812E-05	2.02436E-05	6.82549E-05	5.40974E-05	7.33641E-05	7.7866E-05	3.345E-05	6.82549E-05	5.31637E-05
8.25357E-05	2.27563E-05	7.13021E-05	5.48754E-05	7.73314E-05	8.20646E-05	3.53671E-05	7.13021E-05	5.39179E-05
8.12014E-05	2.55538E-05	7.06294E-05	9.66415E-05	7.6194E-05	8.0709E-05	3.61647E-05	7.06294E-05	9.05373E-05
7.62829E-05	2.63108E-05	6.7754E-05	9.53081E-05	7.20954E-05	7.62226E-05	3.55035E-05	6.7754E-05	8.91595E-05
7.35232E-05	2.64032E-05	6.43988E-05	9.59713E-05	6.90853E-05	7.30184E-05	3.42142E-05	6.43988E-05	8.9811E-05
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6.86772E-05	2.53879E-05	5.86302E-05	8.87913E-05	6.38856E-05	6.75601E-05	3.13078E-05	5.86302E-05	8.34508E-05
7.23349E-05	2.57982E-05	6.20533E-05	9.21174E-05	6.74395E-05	7.13683E-05	3.26076E-05	6.20533E-05	8.58815E-05
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9.07113E-05	3.45031E-05	7.62562E-05	8.44282E-05	8.38678E-05	8.86917E-05	4.10986E-05	7.62562E-05	7.81325E-05
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9.41504E-05	4.20714E-05	7.29697E-05	4.59072E-05	8.43038E-05	8.88464E-05	4.40292E-05	7.29697E-05	4.48326E-05
8.34425E-05	3.53295E-05	6.5374E-05	4.48813E-05	7.50601E-05	7.91797E-05	3.85363E-05	6.5374E-05	4.38E-05
7.50649E-05	2.78295E-05	6.03624E-05	4.44403E-05	6.82767E-05	7.21958E-05	3.35299E-05	6.03624E-05	4.33611

7.09963E-05	1.80388E-05	6.24125E-05	5.03658E-05	6.70047E-05	7.11197E-05	3.05212E-05	6.24125E-05	4.93925E-05
7.7812E-05	2.02436E-05	6.82549E-05	5.40974E-05	7.33641E-05	7.7866E-05	3.345E-05	6.82549E-05	5.31637E-05
8.25357E-05	2.27563E-05	7.13021E-05	5.48754E-05	7.73314E-05	8.20646E-05	3.53671E-05	7.13021E-05	5.39179E-05
8.12014E-05	2.55538E-05	7.06294E-05	9.66415E-05	7.6194E-05	8.0709E-05	3.61647E-05	7.06294E-05	9.05373E-05
7.62829E-05	2.63108E-05	6.7754E-05	9.53081E-05	7.20954E-05	7.62226E-05	3.55035E-05	6.7754E-05	8.91595E-05
7.35232E-05	2.64032E-05	6.43988E-05	9.59713E-05	6.90853E-05	7.30184E-05	3.42142E-05	6.43988E-05	8.9811E-05
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6.86772E-05	2.53879E-05	5.86302E-05	8.87913E-05	6.38856E-05	6.75601E-05	3.13078E-05	5.86302E-05	8.34508E-05
7.23349E-05	2.57982E-05	6.20533E-05	9.21174E-05	6.74395E-05	7.13683E-05	3.26076E-05	6.20533E-05	8.58815E-05
7.81755E-05	2.746E-05	6.71918E-05	8.87646E-05	7.29501E-05	7.72224E-05	3.50713E-05	6.71918E-05	8.24973E-05
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9.41504E-05	4.20714E-05	7.29697E-05	4.59072E-05	8.43038E-05	8.88464E-05	4.40292E-05	7.29697E-05	4.48326E-05
8.34425E-05	3.53295E-05	6.5374E-05	4.48813E-05	7.50601E-05	7.91797E-05	3.85363E-05	6.5374E-05	4.38E-05
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6.62192E-05	2.06261E-05	5.48558E-05	4.42941E-05	6.10046E-05	6.46671E-05	2.85328E-05	5.48558E-05	4.32216E-05
6.4443E-05	1.77672E-05	5.44838E-05	4.49126E-05	5.98875E-05	6.35763E-05	2.71826E-05	5.44838E-05	4.3857E-05
6.5698E-05	1.71378E-05	5.66804E-05	4.67445E-05	6.15489E-05	6.53454E-05	2.78889E-05	5.66804E-05	4.5722E-05
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8.25357E-05	2.27563E-05	7.13021E-05	5.48754E-05	7.73314E-05	8.20646E-05	3.53671E-05	7.13021E-05	5.39179E-05
8.12014E-05	2.55538E-05	7.06294E-05	9.66415E-05	7.6194E-05	8.0709E-05	3.61647E-05	7.06294E-05	9.05373E-05
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7.26908E-05	2.7045E-05	6.27343E-05	9.63241E-05	6.78916E-05	7.17441E-05	3.3735E-05	6.27343E-05	9.01541E-05
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8.34425E-05	3.53295E-05	6.5374E-05	4.48813E-05	7.50601E-05	7.91797E-05	3.85363E-05	6.5374E-05	4.38E-05
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6.58785E-05	2.05348E-05	5.44241E-05	4.4307E-05	6.06289E-05	6.42756E-05	2.82972E-05	5.44241E-05	4.32332E-05
6.41325E-05	1.76809E-05	5.40762E-05	4.49325E-05	5.95394E-05	6.32146E-05	2.69556E-05	5.40762E-05	4.38753E-05
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7.07459E-05	1.79532E-05	6.20119E-05	5.03849E-05	6.6695E-05	7.08027E-05	3.02763E-05	6.20119E-05	4.94114E-05
7.76703E-05	2.01814E-05	6.79663E-05	5.41552E-05	7.31639E-05	7.76649E-05	3.32582E-05	6.79663E-05	5.32216E-05
8.23842E-05	2.26985E-05	7.1033E-05	5.49653E-05	7.71333E-05	8.18634E-05	3.5196E-05	7.1033E-05	5.40077E-05
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7.319E-05	2.6318E-05	6.39946E-05	9.6198E-05	6.87251E-05	7.26419E-05	3.39993E-05	6.39946E-05	9.00373E-05
7.24332E-05	2.69786E-05	6.24198E-05	9.65645E-05	6.76123E-05	7.14523E-05	3.35671E-05	6.24198E-05	9.03938E-05
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9.41549E-05	4.20653E-05	7.29426E-05	4.58786E-05	8.42955E-05	8.884E-05	4.4004E-05	7.29426E-05	4.48048E-05
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7.51027E-05	2.78358E-05	6.03933E-05	4.43887E-05	6.83115E-05	7.22333E-05	3.35414E-05	6.03933E-05	4.331E-05
6.58785E-05	2.05348E-05	5.44241E-05	4.4307E-05	6.06289E-05	6.42756E-05	2.82972E-05	5.44241E-05	4.32332E-05
6.41325E-05	1.76809E-05	5.40762E-05	4.49325E-05	5.95394E-05	6.32146E-05	2.69556E-05	5.40762E-05	4.38753E-05
6.54407E-05	1.70625E-05	5.63254E-05	4.67584E-05	6.12535E-05	6.50396E-05	2.76861E-05	5.63254E-05	4.57345E-05
7.07459E-05	1.79532E-05	6.20119E-05	5.03849E-05	6.6695E-05	7.08027E-05	3.02763E-05	6.20119E-05	4.94114E-05
7.76703E-05	2.01814E-05	6.79663E-05	5.41552E-05	7.31639E-05	7.76649E-05	3.32582E-05	6.79663E-05	5.32216E-05
8.23842E-05	2.26985E-05	7.1033E-05	5.49653E-05	7.71333E-05	8.18634E-05	3.5196E-05	7.1033E-05	5.40077E-05
8.26303E-05	2.55511E-05	7.05247E-05	9.67172E-05	7.69899E-05	8.16047E-05	3.60748E-05	7.05247E-05	9.06129E-05

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7.319E-05	2.6318E-05	6.39946E-05	9.6198E-05	6.87251E-05	7.26419E-05	3.39993E-05	6.39946E-05	9.00373E-05
7.24332E-05	2.69786E-05	6.24198E-05	9.65645E-05	6.76123E-05	7.14523E-05	3.35671E-05	6.24198E-05	9.03938E-05
7.20309E-05	2.75599E-05	6.14097E-05	9.68776E-05	6.6943E-05	7.07314E-05	3.33551E-05	6.14097E-05	9.07017E-05
7.01732E-05	2.6643E-05	5.98698E-05	9.09112E-05	6.52406E-05	6.89449E-05	3.23987E-05	5.98698E-05	8.55946E-05
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7.21561E-05	2.57518E-05	6.18335E-05	9.22162E-05	6.72451E-05	7.11652E-05	3.24898E-05	6.18335E-05	8.59793E-05
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8.35185E-05	2.91568E-05	7.15574E-05	8.60375E-05	7.78485E-05	8.24341E-05	3.71927E-05	7.15574E-05	7.97489E-05
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9.41549E-05	4.20653E-05	7.29426E-05	4.58786E-05	8.42955E-05	8.884E-05	4.4004E-05	7.29426E-05	4.48048E-05
8.34983E-05	3.53362E-05	6.54077E-05	4.48494E-05	7.51068E-05	7.92309E-05	3.8543E-05	6.54077E-05	4.37689E-05
7.51027E-05	2.78358E-05	6.03933E-05	4.43887E-05	6.83115E-05	7.22333E-05	3.35414E-05	6.03933E-05	4.331E-05
6.62192E-05	2.06261E-05	5.48558E-05	4.42941E-05	6.10046E-05	6.46671E-05	2.85328E-05	5.48558E-05	4.32216E-05
6.4443E-05	1.77672E-05	5.44838E-05	4.49126E-05	5.98875E-05	6.35763E-05	2.71826E-05	5.44838E-05	4.3857E-05
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8.25357E-05	2.27563E-05	7.13021E-05	5.48754E-05	7.73314E-05	8.20646E-05	3.53671E-05	7.13021E-05	5.39179E-05
8.12014E-05	2.55538E-05	7.06294E-05	9.66415E-05	7.6194E-05	8.0709E-05	3.61647E-05	7.06294E-05	9.05373E-05
7.62829E-05	2.63108E-05	6.7754E-05	9.53081E-05	7.20954E-05	7.62226E-05	3.55035E-05	6.7754E-05	8.91595E-05
7.35232E-05	2.64032E-05	6.43988E-05	9.59713E-05	6.90853E-05	7.30184E-05	3.42142E-05	6.43988E-05	8.9811E-05
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7.81755E-05	2.746E-05	6.71918E-05	8.87646E-05	7.29501E-05	7.72224E-05	3.50713E-05	6.71918E-05	8.24973E-05
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9.07113E-05	3.45031E-05	7.62562E-05	8.44282E-05	8.38678E-05	8.86917E-05	4.10986E-05	7.62562E-05	7.81325E-05
9.96691E-05	4.32613E-05	8.15642E-05	7.05302E-05	9.1078E-05	9.60638E-05	4.68738E-05	8.15642E-05	6.59551E-05
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9.41504E-05	4.20714E-05	7.29697E-05	4.59072E-05	8.43038E-05	8.88464E-05	4.40292E-05	7.29697E-05	4.48326E-05
8.34425E-05	3.53295E-05	6.5374E-05	4.48813E-05	7.50601E-05	7.91797E-05	3.85363E-05	6.5374E-05	4.38E-05
7.50649E-05	2.78295E-05	6.03624E-05	4.44403E-05	6.82767E-05	7.21958E-05	3.35299E-05	6.03624E-05	4.33611E-05
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6.4443E-05	1.77672E-05	5.44838E-05	4.49126E-05	5.98875E-05	6.35763E-05	2.71826E-05	5.44838E-05	4.3857E-05
6.5698E-05	1.71378E-05	5.66804E-05	4.67445E-05	6.15489E-05	6.53454E-05	2.78889E-05	5.66804E-05	4.5722E-05
7.09963E-05	1.80388E-05	6.24125E-05	5.03658E-05	6.70047E-05	7.11197E-05	3.05212E-05	6.24125E-05	4.93925E-05
7.7812E-05	2.02436E-05	6.82549E-05	5.40974E-05	7.33641E-05	7.7866E-05	3.345E-05	6.82549E-05	5.31637E-05
8.25357E-05	2.27563E-05	7.13021E-05	5.48754E-05	7.73314E-05	8.20646E-05	3.53671E-05	7.13021E-05	5.39179E-05
8.12014E-05	2.55538E-05	7.06294E-05	9.66415E-05	7.6194E-05	8.0709E-05	3.61647E-05	7.06294E-05	9.05373E-05
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6.86772E-05	2.53879E-05	5.86302E-05	8.87913E-05	6.38856E-05	6.75601E-05	3.13078E-05	5.86302E-05	8.34508E-05
7.23349E-05	2.57982E-05	6.20533E-05	9.21174E-05	6.74395E-05	7.13683E-05	3.26076E-05	6.20533E-05	8.58815E-05
7.81755E-05	2.746E-05	6.71918E-05	8.87646E-05	7.29501E-05	7.72224E-05	3.50713E-05	6.71918E-05	8.24973E-05
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8.34425E-05	3.53295E-05	6.5374E-05	4.48813E-05	7.50601E-05	7.91797E-05	3.85363E-05	6.5374E-05	4.38E-05
7.50649E-05	2.78295E-05	6.03624E-05	4.44403E-05	6.82767E-05	7.21958E-05	3.35299E-05	6.03624E-05	4.33611E-05
6.62192E-05	2.06261E-05	5.48558E-05	4.42941E-05	6.10046E-05	6.46671E-05	2.85328E-05	5.48558E-05	4.32216E-05
6.4443E-05	1.77672E-05	5.44838E-05	4.49126E-05	5.98875E-05	6.35763E-05	2.71826E-05	5.44838E-05	4.3857E-05
6.5698E-05	1.71378E-05	5.66804E-05	4.67445E-05	6.15489E-05	6.53454E-05	2.78889E-05	5.66804E-05	4.5722E-05
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7.7812E-05	2.02436E-05	6.82549E-05	5.40974E-05	7.33641E-05	7.7866E-05	3.345E-05	6.82549E-05	5.31637E-05
8.25357E-05	2.27563E-05	7.13021E-05	5.48754E-05	7.73314E-05	8.20646E-05	3.53671E-05	7.13021E-05	5.39179E-05
8.12014E-05	2.55538E-05	7.06294E-05	9.66415E-05	7.6194E-05	8.0709E-05	3.61647E-05	7.06294E-05	9.05373E-05
7.62829E-05	2.63108E-05	6.7754E-05	9.53081E-05	7.20954E-05	7.62226E-05	3.55035E-05	6.7754E-05	8.91595E-05
7.35232E-05	2.64032E-05	6.43988E-05	9.59713E-05	6.90853E-05	7.30184E-05	3.42142E-05	6.43988E-05	8.9811E-05
7.26908E-05	2.7045E-05	6.27343E-05	9.63241E-05	6.78916E-05	7.17441E-05	3.3735E-05	6.27343E-05	9.01541E-05
7.22806E-05	2.76236E-05	6.17122E-05	9.66136E-05	6.72126E-05	7.10133E-05	3.35159E-05	6.17122E-05	9.0438E-05

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6.86772E-05	2.53879E-05	5.86302E-05	8.87913E-05	6.38856E-05	6.75601E-05	3.13078E-05	5.86302E-05	8.34508E-05
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7.81755E-05	2.746E-05	6.71918E-05	8.87646E-05	7.29501E-05	7.72224E-05	3.50713E-05	6.71918E-05	8.24973E-05
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9.41504E-05	4.20714E-05	7.29697E-05	4.59072E-05	8.43038E-05	8.88464E-05	4.40292E-05	7.29697E-05	4.48326E-05
8.34425E-05	3.53295E-05	6.5374E-05	4.48813E-05	7.50601E-05	7.91797E-05	3.85363E-05	6.5374E-05	4.38E-05
7.50649E-05	2.78295E-05	6.03624E-05	4.44403E-05	6.82767E-05	7.21958E-05	3.35299E-05	6.03624E-05	4.33611E-05
6.62192E-05	2.06261E-05	5.48558E-05	4.42941E-05	6.10046E-05	6.46671E-05	2.85328E-05	5.48558E-05	4.32216E-05
6.4443E-05	1.77672E-05	5.44838E-05	4.49126E-05	5.98875E-05	6.35763E-05	2.71826E-05	5.44838E-05	4.3857E-05
6.5698E-05	1.71378E-05	5.66804E-05	4.67445E-05	6.15489E-05	6.53454E-05	2.78889E-05	5.66804E-05	4.5722E-05
7.09963E-05	1.80388E-05	6.24125E-05	5.03658E-05	6.70047E-05	7.11197E-05	3.05212E-05	6.24125E-05	4.93925E-05
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8.25357E-05	2.27563E-05	7.13021E-05	5.48754E-05	7.73314E-05	8.20646E-05	3.53671E-05	7.13021E-05	5.39179E-05
8.12014E-05	2.55538E-05	7.06294E-05	9.66415E-05	7.6194E-05	8.0709E-05	3.61647E-05	7.06294E-05	9.05373E-05
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9.41504E-05	4.20714E-05	7.29697E-05	4.59072E-05	8.43038E-05	8.88464E-05	4.40292E-05	7.29697E-05	4.48326E-05
8.34425E-05	3.53295E-05	6.5374E-05	4.48813E-05	7.50601E-05	7.91797E-05	3.85363E-05	6.5374E-05	4.38E-05
7.50649E-05	2.78295E-05	6.03624E-05	4.44403E-05	6.82767E-05	7.21958E-05	3.35299E-05	6.03624E-05	4.33611E-05
6.62192E-05	2.06261E-05	5.48558E-05	4.42941E-05	6.10046E-05	6.46671E-05	2.85328E-05	5.48558E-05	4.32216E-05
6.4443E-05	1.77672E-05	5.44838E-05	4.49126E-05	5.98875E-05	6.35763E-05	2.71826E-05	5.44838E-05	4.3857E-05
6.5698E-05	1.71378E-05	5.66804E-05	4.67445E-05	6.15489E-05	6.53454E-05	2.78889E-05	5.66804E-05	4.5722E-05
7.09963E-05	1.80388E-05	6.24125E-05	5.03658E-05	6.70047E-05	7.11197E-05	3.05212E-05	6.24125E-05	4.93925E-05
7.7812E-05	2.02436E-05	6.82549E-05	5.40974E-05	7.33641E-05	7.7866E-05	3.345E-05	6.82549E-05	5.31637E-05
8.25357E-05	2.27563E-05	7.13021E-05	5.48754E-05	7.73314E-05	8.20646E-05	3.53671E-05	7.13021E-05	5.39179E-05
8.12014E-05	2.55538E-05	7.06294E-05	9.66415E-05	7.6194E-05	8.0709E-05	3.61647E-05	7.06294E-05	9.05373E-05
7.62829E-05	2.63108E-05	6.7754E-05	9.53081E-05	7.20954E-05	7.62226E-05	3.55035E-05	6.7754E-05	8.91595E-05
7.35232E-05	2.64032E-05	6.43988E-05	9.59713E-05	6.90853E-05	7.30184E-05	3.42142E-05	6.43988E-05	8.9811E-05
7.26908E-05	2.7045E-05	6.27343E-05	9.63241E-05	6.78916E-05	7.17441E-05	3.3735E-05	6.27343E-05	9.01541E-05
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9.41504E-05	4.20714E-05	7.29697E-05	4.59072E-05	8.43038E-05	8.88464E-05	4.40292E-05	7.29697E-05	4.48326E-05
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6.58785E-05	2.05348E-05	5.44241E-05	4.4307E-05	6.06289E-05	6.42756E-05	2.82972E-05	5.44241E-05	4.32332E-05
6.41325E-05	1.76809E-05	5.40762E-05	4.49325E-05	5.95394E-05	6.32146E-05	2.69556E-05	5.40762E-05	4.38753E-05
6.54407E-05	1.70625E-05	5.63254E-05	4.67584E-05	6.12535E-05	6.50396E-05	2.76861E-05	5.63254E-05	4.57345E-05
7.07459E-05	1.79532E-05	6.20119E-05	5.03849E-05	6.6695E-05	7.08027E-05	3.02763E-05	6.20119E-05	4.94114E-05
7.76703E-05	2.01814E-05	6.79663E-05	5.41552E-05	7.31639E-05	7.76649E-05	3.32582E-05	6.79663E-05	5.32216E-05
8.23842E-05	2.26985E-05	7.1033E-05	5.49653E-05	7.71333E-05	8.18634E-05	3.5196E-05	7.1033E-05	5.40077E-05
8.26303E-05	2.55511E-05	7.05247E-05	9.67172E-05	7.69899E-05	8.16047E-05	3.60748E-05	7.05247E-05	9.06129E-05
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7.319E-05	2.6318E-05	6.39946E-05	9.6198E-05	6.87251E-05	7.26419E-05	3.39993E-05	6.39946E-05	9.00373E-05
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7.21561E-05	2.57518E-05	6.18335E-05	9.22162E-05	6.72451E-05	7.11652E-05	3.24898E-05	6.18335E-05	8.59793E-05

7.8069E-05	2.74284E-05	6.70431E-05	8.88122E-05	7.28271E-05	7.70953E-05	3.49859E-05	6.70431E-05	8.25447E-05
8.35185E-05	2.91568E-05	7.15574E-05	8.60375E-05	7.78485E-05	8.24341E-05	3.71927E-05	7.15574E-05	7.97489E-05
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9.41549E-05	4.20653E-05	7.29426E-05	4.58786E-05	8.42955E-05	8.884E-05	4.4004E-05	7.29426E-05	4.48048E-05
8.34983E-05	3.53362E-05	6.54077E-05	4.48494E-05	7.51068E-05	7.92309E-05	3.8543E-05	6.54077E-05	4.37689E-05
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7.76703E-05	2.01814E-05	6.79663E-05	5.41552E-05	7.31639E-05	7.76649E-05	3.32582E-05	6.79663E-05	5.32216E-05
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9.41549E-05	4.20653E-05	7.29426E-05	4.58786E-05	8.42955E-05	8.884E-05	4.4004E-05	7.29426E-05	4.48048E-05
8.34983E-05	3.53362E-05	6.54077E-05	4.48494E-05	7.51068E-05	7.92309E-05	3.8543E-05	6.54077E-05	4.37689E-05
7.51027E-05	2.78358E-05	6.03933E-05	4.43887E-05	6.83115E-05	7.22333E-05	3.35414E-05	6.03933E-05	4.331E-05
6.62192E-05	2.06261E-05	5.48558E-05	4.42941E-05	6.10046E-05	6.46671E-05	2.85328E-05	5.48558E-05	4.32216E-05
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6.5698E-05	1.71378E-05	5.66804E-05	4.67445E-05	6.15489E-05	6.53454E-05	2.78889E-05	5.66804E-05	4.5722E-05
7.09963E-05	1.80388E-05	6.24125E-05	5.03658E-05	6.70047E-05	7.11197E-05	3.05212E-05	6.24125E-05	4.93925E-05
7.7812E-05	2.02436E-05	6.82549E-05	5.40974E-05	7.33641E-05	7.7866E-05	3.345E-05	6.82549E-05	5.31637E-05
8.25357E-05	2.27563E-05	7.13021E-05	5.48754E-05	7.73314E-05	8.20646E-05	3.53671E-05	7.13021E-05	5.39179E-05
8.12014E-05	2.55538E-05	7.06294E-05	9.66415E-05	7.6194E-05	8.0709E-05	3.61647E-05	7.06294E-05	9.05373E-05
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8.34425E-05	3.53295E-05	6.5374E-05	4.48813E-05	7.50601E-05	7.91797E-05	3.85363E-05	6.5374E-05	4.38E-05
7.50649E-05	2.78295E-05	6.03624E-05	4.44403E-05	6.82767E-05	7.21958E-05	3.35299E-05	6.03624E-05	4.33611E-05
6.62192E-05	2.06261E-05	5.48558E-05	4.42941E-05	6.10046E-05	6.46671E-05	2.85328E-05	5.48558E-05	4.32216E-05
6.4443E-05	1.77672E-05	5.44838E-05	4.49126E-05	5.98875E-05	6.35763E-05	2.71826E-05	5.44838E-05	4.3857E-05
6.5698E-05	1.71378E-05	5.66804E-05	4.67445E-05	6.15489E-05	6.53454E-05	2.78889E-05	5.66804E-05	4.5722E-05
7.09963E-05	1.80388E-05	6.24125E-05	5.03658E-05	6.70047E-05	7.11197E-05	3.05212E-05	6.24125E-05	4.93925E-05
7.7812E-05	2.02436E-05	6.82549E-05	5.40974E-05	7.33641E-05	7.7866E-05	3.345E-05	6.82549E-05	5.31637E-05
8.25357E-05	2.27563E-05	7.13021E-05	5.48754E-05	7.73314E-05	8.20646E-05	3.53671E-05	7.13021E-05	5.39179E-05
8.12014E-05	2.55538E-05	7.06294E-05	9.66415E-05	7.6194E-05	8.0709E-05	3.61647E-05	7.06294E-05	9.05373E-05
7.62829E-05	2.63108E-05	6.7754E-05	9.53081E-05	7.20954E-05	7.62226E-05	3.55035E-05	6.7754E-05	8.91595E-05
7.35232E-05	2.64032E-05	6.43988E-05	9.59713E-05	6.90853E-05	7.30184E-05	3.42142E-05	6.43988E-05	8.9811E-05
7.26908E-05	2.7045E-05	6.27343E-05	9.63241E-05	6.78916E-05	7.17441E-05	3.3735E-05	6.27343E-05	9.01541E-05
7.22806E-05	2.76236E-05	6.17122E-05	9.66136E-05	6.72126E-05	7.10133E-05	3.35159E-05	6.17122E-05	9.0438E-05
7.03589E-05	2.6696E-05	6.01197E-05	9.07571E-05	6.54513E-05	6.91634E-05	3.25396E-05	6.01197E-05	8.54424E-05
6.86443E-05	2.62496E-05	5.84546E-05	9.04476E-05	6.37682E-05	6.73819E-05	3.17289E-05	5.84546E-05	8.51278E-05
6.86772E-05	2.53879E-05	5.86302E-05	8.87913E-05	6.38856E-05	6.75601E-05	3.13078E-05	5.86302E-05	8.34508E-05
7.23349E-05	2.57982E-05	6.20533E-05	9.21174E-05	6.74395E-05	7.13683E-05	3.26076E-05	6.20533E-05	8.58815E-05
7.81755E-05	2.746E-05	6.71918E-05	8.87646E-05	7.29501E-05	7.72224E-05	3.50713E-05	6.71918E-05	8.24973E-05
8.34243E-05	2.9129E-05	7.14264E-05	8.60331E-05	7.77399E-05	8.23217E-05	3.71176E-05	7.14264E-05	7.9745E-05
9.07113E-05	3.45031E-05	7.62562E-05	8.44282E-05	8.38678E-05	8.86917E-05	4.10986E-05	7.62562E-05	7.81325E-05
9.96691E-05	4.32613E-05	8.15642E-05	7.05302E-05	9.1078E-05	9.60638E-05	4.68738E-05	8.15642E-05	6.59551E-05

0.000102668	4.75046E-05	8.32904E-05	5.94223E-05	9.34313E-05	9.83767E-05	4.9585E-05	8.32904E-05	5.66091E-05
0.000100767	4.67437E-05	7.9425E-05	5.15031E-05	9.07343E-05	9.55503E-05	4.8036E-05	7.9425E-05	4.95378E-05
9.41504E-05	4.20714E-05	7.29697E-05	4.59072E-05	8.43038E-05	8.88464E-05	4.40292E-05	7.29697E-05	4.48326E-05
8.34425E-05	3.53295E-05	6.5374E-05	4.48813E-05	7.50601E-05	7.91797E-05	3.85363E-05	6.5374E-05	4.38E-05
7.50649E-05	2.78295E-05	6.03624E-05	4.44403E-05	6.82767E-05	7.21958E-05	3.35299E-05	6.03624E-05	4.33611E-05
6.62192E-05	2.06261E-05	5.48558E-05	4.42941E-05	6.10046E-05	6.46671E-05	2.85328E-05	5.48558E-05	4.32216E-05
6.4443E-05	1.77672E-05	5.44838E-05	4.49126E-05	5.98875E-05	6.35763E-05	2.71826E-05	5.44838E-05	4.3857E-05
6.5698E-05	1.71378E-05	5.66804E-05	4.67445E-05	6.15489E-05	6.53454E-05	2.78889E-05	5.66804E-05	4.5722E-05
7.09963E-05	1.80388E-05	6.24125E-05	5.03658E-05	6.70047E-05	7.11197E-05	3.05212E-05	6.24125E-05	4.93925E-05
7.7812E-05	2.02436E-05	6.82549E-05	5.40974E-05	7.33641E-05	7.7866E-05	3.345E-05	6.82549E-05	5.31637E-05
8.25357E-05	2.27563E-05	7.13021E-05	5.48754E-05	7.73314E-05	8.20646E-05	3.53671E-05	7.13021E-05	5.39179E-05
8.12014E-05	2.55538E-05	7.06294E-05	9.66415E-05	7.6194E-05	8.0709E-05	3.61647E-05	7.06294E-05	9.05373E-05
7.62829E-05	2.63108E-05	6.7754E-05	9.53081E-05	7.20954E-05	7.62226E-05	3.55035E-05	6.7754E-05	8.91595E-05
7.35232E-05	2.64032E-05	6.43988E-05	9.59713E-05	6.90853E-05	7.30184E-05	3.42142E-05	6.43988E-05	8.9811E-05
7.26908E-05	2.7045E-05	6.27343E-05	9.63241E-05	6.78916E-05	7.17441E-05	3.3735E-05	6.27343E-05	9.01541E-05
7.22806E-05	2.76236E-05	6.17122E-05	9.66136E-05	6.72126E-05	7.10133E-05	3.35159E-05	6.17122E-05	9.0438E-05
7.03589E-05	2.6696E-05	6.01197E-05	9.07571E-05	6.54513E-05	6.91634E-05	3.25396E-05	6.01197E-05	8.54424E-05
6.86443E-05	2.62496E-05	5.84546E-05	9.04476E-05	6.37682E-05	6.73819E-05	3.17289E-05	5.84546E-05	8.51278E-05
6.86772E-05	2.53879E-05	5.86302E-05	8.87913E-05	6.38856E-05	6.75601E-05	3.13078E-05	5.86302E-05	8.34508E-05
7.23349E-05	2.57982E-05	6.20533E-05	9.21174E-05	6.74395E-05	7.13683E-05	3.26076E-05	6.20533E-05	8.58815E-05
7.81755E-05	2.746E-05	6.71918E-05	8.87646E-05	7.29501E-05	7.72224E-05	3.50713E-05	6.71918E-05	8.24973E-05
8.34243E-05	2.9129E-05	7.14264E-05	8.60331E-05	7.77399E-05	8.23217E-05	3.71176E-05	7.14264E-05	7.9745E-05
9.07113E-05	3.45031E-05	7.62562E-05	8.44282E-05	8.38678E-05	8.86917E-05	4.10986E-05	7.62562E-05	7.81325E-05
9.96691E-05	4.32613E-05	8.15642E-05	7.05302E-05	9.1078E-05	9.60638E-05	4.68738E-05	8.15642E-05	6.59551E-05

7.50649E-05	2.78295E-05	6.03624E-05	4.44403E-05	6.82767E-05	7.21958E-05	3.35299E-05	6.03624E-05	4.33611E-05
6.58785E-05	2.05348E-05	5.44241E-05	4.4307E-05	6.06289E-05	6.42756E-05	2.82972E-05	5.44241E-05	4.32332E-05
6.41325E-05	1.76809E-05	5.40762E-05	4.49325E-05	5.95394E-05	6.32146E-05	2.69556E-05	5.40762E-05	4.38753E-05
6.54407E-05	1.70625E-05	5.63254E-05	4.67584E-05	6.12535E-05	6.50396E-05	2.76861E-05	5.63254E-05	4.57345E-05
7.07459E-05	1.79532E-05	6.20119E-05	5.03849E-05	6.6695E-05	7.08027E-05	3.02763E-05	6.20119E-05	4.94114E-05
7.76703E-05	2.01814E-05	6.79663E-05	5.41552E-05	7.31639E-05	7.76649E-05	3.32582E-05	6.79663E-05	5.32216E-05
8.23842E-05	2.26985E-05	7.1033E-05	5.49653E-05	7.71333E-05	8.18634E-05	3.5196E-05	7.1033E-05	5.40077E-05
8.26303E-05	2.55511E-05	7.05247E-05	9.67172E-05	7.69899E-05	8.16047E-05	3.60748E-05	7.05247E-05	9.06129E-05
7.59913E-05	2.62365E-05	6.74018E-05	9.54465E-05	7.17808E-05	7.58936E-05	3.53168E-05	6.74018E-05	8.92972E-05
7.319E-05	2.6318E-05	6.39946E-05	9.6198E-05	6.87251E-05	7.26419E-05	3.39993E-05	6.39946E-05	9.00373E-05
7.24332E-05	2.69786E-05	6.24198E-05	9.65645E-05	6.76123E-05	7.14523E-05	3.35671E-05	6.24198E-05	9.03938E-05
7.20309E-05	2.75599E-05	6.14097E-05	9.68776E-05	6.6943E-05	7.07314E-05	3.33551E-05	6.14097E-05	9.07017E-05
7.01732E-05	2.6643E-05	5.98698E-05	9.09112E-05	6.52406E-05	6.89449E-05	3.23987E-05	5.98698E-05	8.55946E-05
6.84671E-05	2.61974E-05	5.82089E-05	9.05904E-05	6.35643E-05	6.71709E-05	3.15881E-05	5.82089E-05	8.52692E-05
6.8553E-05	2.53496E-05	5.845E-05	8.89251E-05	6.37394E-05	6.74093E-05	3.12023E-05	5.845E-05	8.35835E-05
7.21561E-05	2.57518E-05	6.18335E-05	9.22162E-05	6.72451E-05	7.11652E-05	3.24898E-05	6.18335E-05	8.59793E-05
7.8069E-05	2.74284E-05	6.70431E-05	8.88122E-05	7.28271E-05	7.70953E-05	3.49859E-05	6.70431E-05	8.25447E-05
8.35185E-05	2.91568E-05	7.15574E-05	8.60375E-05	7.78485E-05	8.24341E-05	3.71927E-05	7.15574E-05	7.97489E-05
9.07886E-05	3.45258E-05	7.63633E-05	8.44209E-05	8.39566E-05	8.87837E-05	4.11599E-05	7.63633E-05	7.81246E-05
9.97192E-05	4.32674E-05	8.15948E-05	7.05057E-05	9.11199E-05	9.61098E-05	4.68802E-05	8.15948E-05	6.59305E-05
0.000102722	4.75006E-05	8.32757E-05	5.94207E-05	9.34577E-05	9.841E-05	4.95505E-05	8.32757E-05	5.66084E-05
9.91432E-05	4.66849E-05	7.92412E-05	5.1468E-05	8.97066E-05	9.44157E-05	4.79556E-05	7.92412E-05	4.95036E-05
9.41549E-05	4.20653E-05	7.29426E-05	4.58786E-05	8.42955E-05	8.884E-05	4.4004E-05	7.29426E-05	4.48048E-05
8.34983E-05	3.53362E-05	6.54077E-05	4.48494E-05	7.51068E-05	7.92309E-05	3.8543E-05	6.54077E-05	4.37689E-05
7.51027E-05	2.78358E-05	6.03933E-05	4.43887E-05	6.83115E-05	7.22333E-05	3.35414E-05	6.03933E-05	4.331E-05
6.49447E-05	1.99249E-05	5.16211E-05	0.000108027	5.89467E-05	6.26335E-05	2.62591E-05	5.16211E-05	0.000112778
6.09991E-05	1.65908E-05	4.89765E-05	0.000112222	5.56294E-05	5.92173E-05	2.38188E-05	4.89765E-05	0.0001173
6.21444E-05	1.58804E-05	5.08015E-05	0.000120763	5.70761E-05	6.07787E-05	2.42493E-05	5.08015E-05	0.000126465
6.5856E-05	1.64823E-05	5.50897E-05	0.000132898	6.10106E-05	6.49288E-05	2.62722E-05	5.50897E-05	0.000139467
7.10849E-05	1.85298E-05	6.01259E-05	0.000146513	6.61057E-05	7.0275E-05	2.91408E-05	6.01259E-05	0.000154038
7.63219E-05	2.12017E-05	6.39214E-05	0.000158352	7.06785E-05	7.50978E-05	3.14972E-05	6.39214E-05	0.000166829
7.82957E-05	2.42611E-05	6.44505E-05	0.00021119	7.19761E-05	7.64197E-05	3.25792E-05	6.44505E-05	0.000215438
7.40728E-05	2.53081E-05	6.31045E-05	0.000215329	6.89134E-05	7.30334E-05	3.23861E-05	6.31045E-05	0.000219972
7.44056E-05	2.61465E-05	6.3297E-05	0.000218597	6.91639E-05	7.32524E-05	3.29158E-05	6.3297E-05	0.000223443
7.51628E-05	2.72222E-05	6.36837E-05	0.000219385	6.97379E-05	7.38176E-05	3.35675E-05	6.36837E-05	0.000224266
7.5571E-05	2.78785E-05	6.30617E-05	0.00021952	6.97048E-05	7.38035E-05	3.3366E-05	6.30617E-05	0.000224394
7.49935E-05	2.72372E-05	6.28408E-05	0.00021353	6.9292E-05	7.33816E-05	3.30338E-05	6.28408E-05	0.000219287
7.61097E-05	2.74222E-05	6.41922E-05	0.00021043	7.05004E-05	7.46524E-05	3.36893E-05	6.41922E-05	0.000215963
7.85871E-05	2.70944E-05	6.6921E-05	0.000200833	7.30939E-05	7.74481E-05	3.44901E-05	6.6921E-05	0.000205679
8.52814E-05	2.8075E-05	7.30982E-05	0.000194611	7.95556E-05	8.43613E-05	3.69483E-05	7.30982E-05	0.000197695
9.09055E-05	2.96361E-05	7.77704E-05	0.000182778	8.475E-05	8.98992E-05	3.90974E-05	7.77704E-05	0.00018504
9.34535E-05	3.08377E-05	7.97345E-05	0.000174068	8.7026E-05	9.22999E-05	4.02676E-05	7.97345E-05	0.000175741
9.92451E-05	3.59815E-05	8.34354E-05	0.000169286	9.18135E-05	9.72207E-05	4.3874E-05	8.34354E-05	0.000170654
0.000106644	4.44208E-05	8.72116E-05	0.000153908	9.74834E-05	0.000102957	4.89534E-05	8.72116E-05	0.000156852
0.000107917	4.82362E-05	8.69058E-05	0.000138925	9.79967E-05	0.000103342	5.06041E-05	8.69058E-05	0.000143322
0.000104828	4.75001E-05	8.326E-05	0.000126336	9.46922E-05	9.98292E-05	4.9148E-05	8.326E-05	0.000131167
9.9113E-05	4.26567E-05	7.59095E-05	0.000114993	8.84268E-05	9.33723E-05	4.45808E-05	7.59095E-05	0.000120208
8.62625E-05	3.55188E-05	6.63996E-05	0.000110396	7.71432E-05	8.15249E-05	3.82954E-05	6.63996E-05	0.000115294
7.48496E-05	2.73565E-05	5.82198E-05	0.000107846	6.7286E-05	7.12915E-05	3.17736E-05	5.82198E-05	0.000112575
6.45124E-05	1.98394E-05	5.12098E-05	0.000109017	5.8525E-05	6.21847E-05	2.60777E-05	5.12098E-05	0.000113847
6.12591E-05	1.66299E-05	4.91685E-05	0.000111521	5.58607E-05	5.94678E-05	2.38803E-05	4.91685E-05	0.000116547
6.20587E-05	1.58586E-05	5.06985E-05	0.000119927	5.69839E-05	6.06822E-05	2.41948E-05	5.06985E-05	0.000125568
6.55252E-05	1.64149E-05	5.4766E-05	0.000131905	6.06844E-05	6.45823E-05	2.61256E-05	5.4766E-05	0.000138401
7.08727E-05	1.84745E-05	5.9864E-05	0.000145071	6.58746E-05	7.00337E-05	2.90001E-05	5.9864E-05	0.000152492
7.59889E-05	2.11238E-05	6.35501E-05	0.000156375	7.03317E-05	7.4733E-05	3.13105E-05	6.35501E-05	0.000164713
7.63953E-05	2.41509E-05	6.40182E-05	0.000208584	7.06847E-05	7.50034E-05	3.23952E-05	6.40182E-05	0.000212649
7.38132E-05	2.52657E-05	6.28976E-05	0.000212449	6.86764E-05	7.2778E-05	3.23116E-05	6.28976E-05	0.00021689
7.4228E-05	2.61253E-05	6.31907E-05	0.000215722	6.9016E-05	7.30901E-05	3.28952E-05	6.31907E-05	0.000220366
7.51033E-05	2.72068E-05	6.36108E-05	0.000216545	6.96733E-05	7.37501E-05	3.35284E-05	6.36108E-05	0.000221229
7.562E-05	2.78901E-05	6.31167E-05	0.000216764	6.9756E-05	7.38573E-05	3.33938E-05	6.31167E-05	0.000221449
7.52576E-05	2.72873E-05	6.30824E-05	0.000210885	6.95457E-05	7.36524E-05	3.31363E-05	6.30824E-05	0.000216462
7.66017E-05	2.75126E-05	6.46294E-05	0.000208083	7.09679E-05	7.51523E-05	3.38692E-05	6.46294E-05	0.000213455
7.88168E-05	2.71242E-05	6.70696E-05	0.000198835	7.32898E-05	7.7662E-05	3.45263E-05	6.70696E-05	0.000203549
8.49377E-05	2.79995E-05	7.27374E-05	0.000192814	7.92067E-05	8.39926E-05	3.6775E-05	7.27374E-05	0.000195781
8.96076E-05	2.94009E-05	7.66316E-05	0.000180909	8.35227E-05	8.85856E-05	3.86352E-05	7.66316E-05	0.000183047
9.21043E-05	3.05874E-05	7.85247E-05	0.000172346	8.57396E-05	9.09251E-05	3.97649E-05	7.85247E-05	0.000173905
9.7941E-05	3.57422E-05	8.22775E-05	0.00016771	9.05748E-05	9.5896E-05	4.3398E-05	8.22775E-05	0.000168972
0.000105446	4.42045E-05	8.61643E-05	0.000152113	9.63523E-05	0.000101746	4.85301E-05	8.61643E-05	0.000154934
0.000106773	4.80268E-05	8.5893E-05	0.000137233	9.69107E-05	0.00010218	5.01893E-05	8.5893E-05	0.000141515
0.000105426	4.73618E-05	8.2493E-05	0.000124682	9.47294E-05	9.99076E-05	4.88196E-05	8.2493E-05	0.000129403
9.83242E-05	4.2512E-05	7.52094E-05	0.000113439	8.76777E-05	9.25711E-05	4.42932E-05	7.52094E-05	0.000118551
8.57734E-05	3.54261E-05	6.59518E-05	0.00010898	7.66732E-05	8.10233E-05	3.81053E-05	6.59518E-05	0.000113786
7.44418E-05	2.72795E-05	5.7848E-05	0.000106591	6.68948E-05	7.08738E-05	3.16164E-05	5.7848E-05	0.000111238
6.45124E-05	1.98394E-05	5.12098E-05	0.000109017	5.8525E-05	6.21847E-05	2.60777E-05	5.12098E-05	0.000113847
6.12591E-05	1.66299E-05	4.91685E-05	0.000111521	5.58607E-05	5.94678E-05	2.38803E-05	4.91685E-05	0.000116547
6.20587E-05	1.58586E-05	5.06985E-05	0.000119927	5.69839E-05	6.06822E-05	2.41948E-05	5.06985E-05	0.000125568

6.55252E-05	1.64149E-05	5.4766E-05	0.000131905	6.06844E-05	6.45823E-05	2.61256E-05	5.4766E-05	0.000138401
7.08727E-05	1.84745E-05	5.9864E-05	0.000145071	6.58746E-05	7.00337E-05	2.90001E-05	5.9864E-05	0.000152492
7.59889E-05	2.11238E-05	6.35501E-05	0.000156375	7.03317E-05	7.4733E-05	3.13105E-05	6.35501E-05	0.000164713
7.63953E-05	2.41509E-05	6.40182E-05	0.000208584	7.06847E-05	7.50034E-05	3.23952E-05	6.40182E-05	0.000212649
7.38132E-05	2.52657E-05	6.28976E-05	0.000212449	6.86764E-05	7.2778E-05	3.23116E-05	6.28976E-05	0.00021689
7.4228E-05	2.61253E-05	6.31907E-05	0.000215722	6.9016E-05	7.30901E-05	3.28952E-05	6.31907E-05	0.000220366
7.51033E-05	2.72068E-05	6.36108E-05	0.000216545	6.96733E-05	7.37501E-05	3.35284E-05	6.36108E-05	0.000221229
7.562E-05	2.78901E-05	6.31167E-05	0.000216764	6.9756E-05	7.38573E-05	3.33938E-05	6.31167E-05	0.000221449
7.52576E-05	2.72873E-05	6.30824E-05	0.000210885	6.95457E-05	7.36524E-05	3.31363E-05	6.30824E-05	0.000216462
7.66017E-05	2.75126E-05	6.46294E-05	0.000208083	7.09679E-05	7.51523E-05	3.38692E-05	6.46294E-05	0.000213455
7.88168E-05	2.71242E-05	6.70696E-05	0.000198835	7.32898E-05	7.7662E-05	3.45263E-05	6.70696E-05	0.000203549
8.49377E-05	2.79995E-05	7.27374E-05	0.000192814	7.92067E-05	8.39926E-05	3.6775E-05	7.27374E-05	0.000195781
8.96076E-05	2.94009E-05	7.66316E-05	0.000180909	8.35227E-05	8.85856E-05	3.86352E-05	7.66316E-05	0.000183047
9.21043E-05	3.05874E-05	7.85247E-05	0.000172346	8.57396E-05	9.09251E-05	3.97649E-05	7.85247E-05	0.000173905
9.7941E-05	3.57422E-05	8.22775E-05	0.00016771	9.05748E-05	9.5896E-05	4.3398E-05	8.22775E-05	0.000168972
0.000105446	4.42045E-05	8.61643E-05	0.000152113	9.63523E-05	0.000101746	4.85301E-05	8.61643E-05	0.000154934
0.000106773	4.80268E-05	8.5893E-05	0.000137233	9.69107E-05	0.00010218	5.01893E-05	8.5893E-05	0.000141515
0.000105426	4.73618E-05	8.2493E-05	0.000124682	9.47294E-05	9.99076E-05	4.88196E-05	8.2493E-05	0.000129403
9.83242E-05	4.2512E-05	7.52094E-05	0.000113439	8.76777E-05	9.25711E-05	4.42932E-05	7.52094E-05	0.000118551
8.57734E-05	3.54261E-05	6.59518E-05	0.00010898	7.66732E-05	8.10233E-05	3.81053E-05	6.59518E-05	0.000113786
7.44418E-05	2.72795E-05	5.7848E-05	0.000106591	6.68948E-05	7.08738E-05	3.16164E-05	5.7848E-05	0.000111238
6.45124E-05	1.98394E-05	5.12098E-05	0.000109017	5.8525E-05	6.21847E-05	2.60777E-05	5.12098E-05	0.000113847
6.12591E-05	1.66299E-05	4.91685E-05	0.000111521	5.58607E-05	5.94678E-05	2.38803E-05	4.91685E-05	0.000116547
6.20587E-05	1.58586E-05	5.06985E-05	0.000119927	5.69839E-05	6.06822E-05	2.41948E-05	5.06985E-05	0.000125568
6.55252E-05	1.64149E-05	5.4766E-05	0.000131905	6.06844E-05	6.45823E-05	2.61256E-05	5.4766E-05	0.000138401
7.08727E-05	1.84745E-05	5.9864E-05	0.000145071	6.58746E-05	7.00337E-05	2.90001E-05	5.9864E-05	0.000152492
7.59889E-05	2.11238E-05	6.35501E-05	0.000156375	7.03317E-05	7.4733E-05	3.13105E-05	6.35501E-05	0.000164713
7.63953E-05	2.41509E-05	6.40182E-05	0.000208584	7.06847E-05	7.50034E-05	3.23952E-05	6.40182E-05	0.000212649
7.38132E-05	2.52657E-05	6.28976E-05	0.000212449	6.86764E-05	7.2778E-05	3.23116E-05	6.28976E-05	0.00021689
7.4228E-05	2.61253E-05	6.31907E-05	0.000215722	6.9016E-05	7.30901E-05	3.28952E-05	6.31907E-05	0.000220366
7.51033E-05	2.72068E-05	6.36108E-05	0.000216545	6.96733E-05	7.37501E-05	3.35284E-05	6.36108E-05	0.000221229
7.562E-05	2.78901E-05	6.31167E-05	0.000216764	6.9756E-05	7.38573E-05	3.33938E-05	6.31167E-05	0.000221449
7.52576E-05	2.72873E-05	6.30824E-05	0.000210885	6.95457E-05	7.36524E-05	3.31363E-05	6.30824E-05	0.000216462
7.66017E-05	2.75126E-05	6.46294E-05	0.000208083	7.09679E-05	7.51523E-05	3.38692E-05	6.46294E-05	0.000213455
7.88168E-05	2.71242E-05	6.70696E-05	0.000198835	7.32898E-05	7.7662E-05	3.45263E-05	6.70696E-05	0.000203549
8.49377E-05	2.79995E-05	7.27374E-05	0.000192814	7.92067E-05	8.39926E-05	3.6775E-05	7.27374E-05	0.000195781
8.96076E-05	2.94009E-05	7.66316E-05	0.000180909	8.35227E-05	8.85856E-05	3.86352E-05	7.66316E-05	0.000183047
9.21043E-05	3.05874E-05	7.85247E-05	0.000172346	8.57396E-05	9.09251E-05	3.97649E-05	7.85247E-05	0.000173905
9.7941E-05	3.57422E-05	8.22775E-05	0.00016771	9.05748E-05	9.5896E-05	4.3398E-05	8.22775E-05	0.000168972
0.000105446	4.42045E-05	8.61643E-05	0.000152113	9.63523E-05	0.000101746	4.85301E-05	8.61643E-05	0.000154934
0.000106773	4.80268E-05	8.5893E-05	0.000137233	9.69107E-05	0.00010218	5.01893E-05	8.5893E-05	0.000141515
0.000105426	4.73618E-05	8.2493E-05	0.000124682	9.47294E-05	9.99076E-05	4.88196E-05	8.2493E-05	0.000129403
9.83242E-05	4.2512E-05	7.52094E-05	0.000113439	8.76777E-05	9.25711E-05	4.42932E-05	7.52094E-05	0.000118551
8.57734E-05	3.54261E-05	6.59518E-05	0.00010898	7.66732E-05	8.10233E-05	3.81053E-05	6.59518E-05	0.000113786
7.44418E-05	2.72795E-05	5.7848E-05	0.000106591	6.68948E-05	7.08738E-05	3.16164E-05	5.7848E-05	0.000111238
6.45124E-05	1.98394E-05	5.12098E-05	0.000109017	5.8525E-05	6.21847E-05	2.60777E-05	5.12098E-05	0.000113847
6.12591E-05	1.66299E-05	4.91685E-05	0.000111521	5.58607E-05	5.94678E-05	2.38803E-05	4.91685E-05	0.000116547
6.20587E-05	1.58586E-05	5.06985E-05	0.000119927	5.69839E-05	6.06822E-05	2.41948E-05	5.06985E-05	0.000125568
6.55252E-05	1.64149E-05	5.4766E-05	0.000131905	6.06844E-05	6.45823E-05	2.61256E-05	5.4766E-05	0.000138401
7.08727E-05	1.84745E-05	5.9864E-05	0.000145071	6.58746E-05	7.00337E-05	2.90001E-05	5.9864E-05	0.000152492
7.59889E-05	2.11238E-05	6.35501E-05	0.000156375	7.03317E-05	7.4733E-05	3.13105E-05	6.35501E-05	0.000164713
7.63953E-05	2.41509E-05	6.40182E-05	0.000208584	7.06847E-05	7.50034E-05	3.23952E-05	6.40182E-05	0.000212649

7.38132E-05	2.52657E-05	6.28976E-05	0.000212449	6.86764E-05	7.2778E-05	3.23116E-05	6.28976E-05	0.00021689
7.4228E-05	2.61253E-05	6.31907E-05	0.000215722	6.9016E-05	7.30901E-05	3.28952E-05	6.31907E-05	0.000220366
7.51033E-05	2.72068E-05	6.36108E-05	0.000216545	6.96733E-05	7.37501E-05	3.35284E-05	6.36108E-05	0.000221229
7.562E-05	2.78901E-05	6.31167E-05	0.000216764	6.9756E-05	7.38573E-05	3.33938E-05	6.31167E-05	0.000221449
7.52576E-05	2.72873E-05	6.30824E-05	0.000210885	6.95457E-05	7.36524E-05	3.31363E-05	6.30824E-05	0.000216462
7.66017E-05	2.75126E-05	6.46294E-05	0.000208083	7.09679E-05	7.51523E-05	3.38692E-05	6.46294E-05	0.000213455
7.88168E-05	2.71242E-05	6.70696E-05	0.000198835	7.32898E-05	7.7662E-05	3.45263E-05	6.70696E-05	0.000203549
8.49377E-05	2.79995E-05	7.27374E-05	0.000192814	7.92067E-05	8.39926E-05	3.6775E-05	7.27374E-05	0.000195781
8.96076E-05	2.94009E-05	7.66316E-05	0.000180909	8.35227E-05	8.85856E-05	3.86352E-05	7.66316E-05	0.000183047
9.21043E-05	3.05874E-05	7.85247E-05	0.000172346	8.57396E-05	9.09251E-05	3.97649E-05	7.85247E-05	0.000173905
9.7941E-05	3.57422E-05	8.22775E-05	0.00016771	9.05748E-05	9.5896E-05	4.3398E-05	8.22775E-05	0.000168972
0.000105446	4.42045E-05	8.61643E-05	0.000152113	9.63523E-05	0.000101746	4.85301E-05	8.61643E-05	0.000154934
0.000106773	4.80268E-05	8.5893E-05	0.000137233	9.69107E-05	0.00010218	5.01893E-05	8.5893E-05	0.000141515
0.000105426	4.73618E-05	8.2493E-05	0.000124682	9.47294E-05	9.99076E-05	4.88196E-05	8.2493E-05	0.000129403
9.83242E-05	4.2512E-05	7.52094E-05	0.000113439	8.76777E-05	9.25711E-05	4.42932E-05	7.52094E-05	0.000118551
8.57734E-05	3.54261E-05	6.59518E-05	0.00010898	7.66732E-05	8.10233E-05	3.81053E-05	6.59518E-05	0.000113786
7.44418E-05	2.72795E-05	5.7848E-05	0.000106591	6.68948E-05	7.08738E-05	3.16164E-05	5.7848E-05	0.000111238
6.49447E-05	1.99249E-05	5.16211E-05	0.000108027	5.89467E-05	6.26335E-05	2.62591E-05	5.16211E-05	0.000112778
6.09991E-05	1.65908E-05	4.89765E-05	0.000112222	5.56294E-05	5.92173E-05	2.38188E-05	4.89765E-05	0.0001173
6.21444E-05	1.58804E-05	5.08015E-05	0.000120763	5.70761E-05	6.07787E-05	2.42493E-05	5.08015E-05	0.000126465
6.5856E-05	1.64823E-05	5.50897E-05	0.000132898	6.10106E-05	6.49288E-05	2.62722E-05	5.50897E-05	0.000139467
7.10849E-05	1.85298E-05	6.01259E-05	0.000146513	6.61057E-05	7.0275E-05	2.91408E-05	6.01259E-05	0.000154038
7.63219E-05	2.12017E-05	6.39214E-05	0.000158352	7.06785E-05	7.50978E-05	3.14972E-05	6.39214E-05	0.000166829
7.82957E-05	2.42611E-05	6.44505E-05	0.00021119	7.19761E-05	7.64197E-05	3.25792E-05	6.44505E-05	0.000215438
7.40728E-05	2.53081E-05	6.31045E-05	0.000215329	6.89134E-05	7.30334E-05	3.23861E-05	6.31045E-05	0.000219972
7.44056E-05	2.61465E-05	6.3297E-05	0.000218597	6.91639E-05	7.32524E-05	3.29158E-05	6.3297E-05	0.000223443
7.51628E-05	2.72222E-05	6.36837E-05	0.000219385	6.97379E-05	7.38176E-05	3.35675E-05	6.36837E-05	0.000224266
7.5571E-05	2.78785E-05	6.30617E-05	0.00021952	6.97048E-05	7.38035E-05	3.3366E-05	6.30617E-05	0.000224394
7.49935E-05	2.72372E-05	6.28408E-05	0.00021353	6.9292E-05	7.33816E-05	3.30338E-05	6.28408E-05	0.000219287
7.61097E-05	2.74222E-05	6.41922E-05	0.00021043	7.05004E-05	7.46524E-05	3.36893E-05	6.41922E-05	0.000215963
7.85871E-05	2.70944E-05	6.6921E-05	0.000200833	7.30939E-05	7.74481E-05	3.44901E-05	6.6921E-05	0.000205679
8.52814E-05	2.8075E-05	7.30982E-05	0.000194611	7.95556E-05	8.43613E-05	3.69483E-05	7.30982E-05	0.000197695
9.09055E-05	2.96361E-05	7.77704E-05	0.000182778	8.475E-05	8.98992E-05	3.90974E-05	7.77704E-05	0.00018504
9.34535E-05	3.08377E-05	7.97345E-05	0.000174068	8.7026E-05	9.22999E-05	4.02676E-05	7.97345E-05	0.000175741
9.92451E-05	3.59815E-05	8.34354E-05	0.000169286	9.18135E-05	9.72207E-05	4.3874E-05	8.34354E-05	0.000170654
0.000106644	4.44208E-05	8.72116E-05	0.000153908	9.74834E-05	0.000102957	4.89534E-05	8.72116E-05	0.000156852
0.000107917	4.82362E-05	8.69058E-05	0.000138925	9.79967E-05	0.000103342	5.06041E-05	8.69058E-05	0.000143322
0.000104828	4.75001E-05	8.326E-05	0.000126336	9.46922E-05	9.98292E-05	4.9148E-05	8.326E-05	0.000131167
9.9113E-05	4.26567E-05	7.59095E-05	0.000114993	8.84268E-05	9.33723E-05	4.45808E-05	7.59095E-05	0.000120208
8.62625E-05	3.55188E-05	6.63996E-05	0.000110396	7.71432E-05	8.15249E-05	3.82954E-05	6.63996E-05	0.000115294
7.48496E-05	2.73565E-05	5.82198E-05	0.000107846	6.7286E-05	7.12915E-05	3.17736E-05	5.82198E-05	0.000112575
6.49447E-05	1.99249E-05	5.16211E-05	0.000108027	5.89467E-05	6.26335E-05	2.62591E-05	5.16211E-05	0.000112778
6.09991E-05	1.65908E-05	4.89765E-05	0.000112222	5.56294E-05	5.92173E-05	2.38188E-05	4.89765E-05	0.0001173
6.21444E-05	1.58804E-05	5.08015E-05	0.000120763	5.70761E-05	6.07787E-05	2.42493E-05	5.08015E-05	0.000126465
6.5856E-05	1.64823E-05	5.50897E-05	0.000132898	6.10106E-05	6.49288E-05	2.62722E-05	5.50897E-05	0.000139467
7.10849E-05	1.85298E-05	6.01259E-05	0.000146513	6.61057E-05	7.0275E-05	2.91408E-05	6.01259E-05	0.000154038
7.63219E-05	2.12017E-05	6.39214E-05	0.000158352	7.06785E-05	7.50978E-05	3.14972E-05	6.39214E-05	0.000166829
7.82957E-05	2.42611E-05	6.44505E-05	0.00021119	7.19761E-05	7.64197E-05	3.25792E-05	6.44505E-05	0.000215438
7.40728E-05	2.53081E-05	6.31045E-05	0.000215329	6.89134E-05	7.30334E-05	3.23861E-05	6.31045E-05	0.000219972
7.44056E-05	2.61465E-05	6.3297E-05	0.000218597	6.91639E-05	7.32524E-05	3.29158E-05	6.3297E-05	0.000223443
7.51628E-05	2.72222E-05	6.36837E-05	0.000219385	6.97379E-05	7.38176E-05	3.35675E-05	6.36837E-05	0.000224266
7.5571E-05	2.78785E-05	6.30617E-05	0.00021952	6.97048E-05	7.38035E-05	3.3366E-05	6.30617E-05	0.000224394
7.49935E-05	2.72372E-05	6.28408E-05	0.00021353	6.9292E-05	7.33816E-05	3.30338E-05	6.28408E-05	0.000219287
7.61097E-05	2.74222E-05	6.41922E-05	0.00021043	7.05004E-05	7.46524E-05	3.36893E-05	6.41922E-05	0.000215963
7.85871E-05	2.70944E-05	6.6921E-05	0.000200833	7.30939E-05	7.74481E-05	3.44901E-05	6.6921E-05	0.000205679
8.52814E-05	2.8075E-05	7.30982E-05	0.000194611	7.95556E-05	8.43613E-05	3.69483E-05	7.30982E-05	0.000197695
9.09055E-05	2.96361E-05	7.77704E-05	0.000182778	8.475E-05	8.98992E-05	3.90974E-05	7.77704E-05	0.00018504
9.34535E-05	3.08377E-05	7.97345E-05	0.000174068	8.7026E-05	9.22999E-05	4.02676E-05	7.97345E-05	0.000175741
9.92451E-05	3.59815E-05	8.34354E-05	0.000169286	9.18135E-05	9.72207E-05	4.3874E-05	8.34354E-05	0.000170654
0.000106644	4.44208E-05	8.72116E-05	0.000153908	9.74834E-05	0.000102957	4.89534E-05	8.72116E-05	0.000156852
0.000107917	4.82362E-05	8.69058E-05	0.000138925	9.79967E-05	0.000103342	5.06041E-05	8.69058E-05	0.000143322
0.000104828	4.75001E-05	8.326E-05	0.000126336	9.46922E-05	9.98292E-05	4.9148E-05	8.326E-05	0.000131167
9.9113E-05	4.26567E-05	7.59095E-05	0.000114993	8.84268E-05	9.33723E-05	4.45808E-05	7.59095E-05	0.000120208
8.62625E-05	3.55188E-05	6.63996E-05	0.000110396	7.71432E-05	8.15249E-05	3.82954E-05	6.63996E-05	0.000115294
7.48496E-05	2.73565E-05	5.82198E-05	0.000107846	6.7286E-05	7.12915E-05	3.17736E-05	5.82198E-05	0.000112575
6.45124E-05	1.98394E-05	5.12098E-05	0.000109017	5.8525E-05	6.21847E-05	2.60777E-05	5.12098E-05	0.000113847
6.12591E-05	1.66299E-05	4.91685E-05	0.000111521	5.58607E-05	5.94678E-05	2.38803E-05	4.91685E-05	0.000116547
6.20587E-05	1.58586E-05	5.06985E-05	0.000119927	5.69839E-05	6.06822E-05	2.41948E-05	5.06985E-05	0.000125568
6.55252E-05	1.64149E-05	5.4766E-05	0.000131905	6.06844E-05	6.45823E-05	2.61256E-05	5.4766E-05	0.000138401
7.08727E-05	1.84745E-05	5.9864E-05	0.000145071	6.58746E-05	7.00337E-05	2.90001E-05	5.9864E-05	0.000152492
7.59889E-05	2.11238E-05	6.35501E-05	0.000156375	7.03317E-05	7.4733E-05	3.13105E-05	6.35501E-05	0.000164713
7.63953E-05	2.41509E-05	6.40182E-05	0.000208584	7.06847E-05	7.50034E-05	3.23952E-05	6.40182E-05	0.000212649
7.38132E-05	2.52657E-05	6.28976E-05	0.000212449	6.86764E-05	7.2778E-05	3.23116E-05	6.28976E-05	0.00021689
7.4228E-05	2.61253E-05	6.31907E-05	0.000215722	6.9016E-05	7.30901E-05	3.28952E-05	6.31907E-05	0.000220366
7.51033E-05	2.72068E-05	6.36108E-05	0.000216545	6.96733E-05	7.37501E-05	3.35284E-05	6.36108E-05	0.000221229
7.562E-05	2.78901E-05	6.31167E-05	0.000216764	6.9756E-05	7.38573E-05	3.33938E-05	6.31167E-05	0.000221449

7.52576E-05	2.72873E-05	6.30824E-05	0.000210885	6.95457E-05	7.36524E-05	3.31363E-05	6.30824E-05	0.000216462
7.66017E-05	2.75126E-05	6.46294E-05	0.000208083	7.09679E-05	7.51523E-05	3.38692E-05	6.46294E-05	0.000213455
7.88168E-05	2.71242E-05	6.70696E-05	0.000198835	7.32898E-05	7.7662E-05	3.45263E-05	6.70696E-05	0.000203549
8.49377E-05	2.79995E-05	7.27374E-05	0.000192814	7.92067E-05	8.39926E-05	3.6775E-05	7.27374E-05	0.000195781
8.96076E-05	2.94009E-05	7.66316E-05	0.000180909	8.35227E-05	8.85856E-05	3.86352E-05	7.66316E-05	0.000183047
9.21043E-05	3.05874E-05	7.85247E-05	0.000172346	8.57396E-05	9.09251E-05	3.97649E-05	7.85247E-05	0.000173905
9.7941E-05	3.57422E-05	8.22775E-05	0.00016771	9.05748E-05	9.5896E-05	4.3398E-05	8.22775E-05	0.000168972
0.000105446	4.42045E-05	8.61643E-05	0.000152113	9.63523E-05	0.000101746	4.85301E-05	8.61643E-05	0.000154934
0.000106773	4.80268E-05	8.5893E-05	0.000137233	9.69107E-05	0.00010218	5.01893E-05	8.5893E-05	0.000141515
0.000105426	4.73618E-05	8.2493E-05	0.000124682	9.47294E-05	9.99076E-05	4.88196E-05	8.2493E-05	0.000129403
9.83242E-05	4.2512E-05	7.52094E-05	0.000113439	8.76777E-05	9.25711E-05	4.42932E-05	7.52094E-05	0.000118551
8.57734E-05	3.54261E-05	6.59518E-05	0.00010898	7.66732E-05	8.10233E-05	3.81053E-05	6.59518E-05	0.000113786
7.44418E-05	2.72795E-05	5.7848E-05	0.000106591	6.68948E-05	7.08738E-05	3.16164E-05	5.7848E-05	0.000111238
6.45124E-05	1.98394E-05	5.12098E-05	0.000109017	5.8525E-05	6.21847E-05	2.60777E-05	5.12098E-05	0.000113847
6.12591E-05	1.66299E-05	4.91685E-05	0.000111521	5.58607E-05	5.94678E-05	2.38803E-05	4.91685E-05	0.000116547
6.20587E-05	1.58586E-05	5.06985E-05	0.000119927	5.69839E-05	6.06822E-05	2.41948E-05	5.06985E-05	0.000125568
6.55252E-05	1.64149E-05	5.4766E-05	0.000131905	6.06844E-05	6.45823E-05	2.61256E-05	5.4766E-05	0.000138401
7.08727E-05	1.84745E-05	5.9864E-05	0.000145071	6.58746E-05	7.00337E-05	2.90001E-05	5.9864E-05	0.000152492
7.59889E-05	2.11238E-05	6.35501E-05	0.000156375	7.03317E-05	7.4733E-05	3.13105E-05	6.35501E-05	0.000164713
7.63953E-05	2.41509E-05	6.40182E-05	0.000208584	7.06847E-05	7.50034E-05	3.23952E-05	6.40182E-05	0.000212649
7.38132E-05	2.52657E-05	6.28976E-05	0.000212449	6.86764E-05	7.2778E-05	3.23116E-05	6.28976E-05	0.00021689
7.4228E-05	2.61253E-05	6.31907E-05	0.000215722	6.9016E-05	7.30901E-05	3.28952E-05	6.31907E-05	0.000220366
7.51033E-05	2.72068E-05	6.36108E-05	0.000216545	6.96733E-05	7.37501E-05	3.35284E-05	6.36108E-05	0.000221229
7.562E-05	2.78901E-05	6.31167E-05	0.000216764	6.9756E-05	7.38573E-05	3.33938E-05	6.31167E-05	0.000221449
7.52576E-05	2.72873E-05	6.30824E-05	0.000210885	6.95457E-05	7.36524E-05	3.31363E-05	6.30824E-05	0.000216462
7.66017E-05	2.75126E-05	6.46294E-05	0.000208083	7.09679E-05	7.51523E-05	3.38692E-05	6.46294E-05	0.000213455
7.88168E-05	2.71242E-05	6.70696E-05	0.000198835	7.32898E-05	7.7662E-05	3.45263E-05	6.70696E-05	0.000203549
8.49377E-05	2.79995E-05	7.27374E-05	0.000192814	7.92067E-05	8.39926E-05	3.6775E-05	7.27374E-05	0.000195781
8.96076E-05	2.94009E-05	7.66316E-05	0.000180909	8.35227E-05	8.85856E-05	3.86352E-05	7.66316E-05	0.000183047
9.21043E-05	3.05874E-05	7.85247E-05	0.000172346	8.57396E-05	9.09251E-05	3.97649E-05	7.85247E-05	0.000173905
9.7941E-05	3.57422E-05	8.22775E-05	0.00016771	9.05748E-05	9.5896E-05	4.3398E-05	8.22775E-05	0.000168972
0.000105446	4.42045E-05	8.61643E-05	0.000152113	9.63523E-05	0.000101746	4.85301E-05	8.61643E-05	0.000154934
0.000106773	4.80268E-05	8.5893E-05	0.000137233	9.69107E-05	0.00010218	5.01893E-05	8.5893E-05	0.000141515
0.000105426	4.73618E-05	8.2493E-05	0.000124682	9.47294E-05	9.99076E-05	4.88196E-05	8.2493E-05	0.000129403
9.83242E-05	4.2512E-05	7.52094E-05	0.000113439	8.76777E-05	9.25711E-05	4.42932E-05	7.52094E-05	0.000118551
8.57734E-05	3.54261E-05	6.59518E-05	0.00010898	7.66732E-05	8.10233E-05	3.81053E-05	6.59518E-05	0.000113786
7.44418E-05	2.72795E-05	5.7848E-05	0.000106591	6.68948E-05	7.08738E-05	3.16164E-05	5.7848E-05	0.000111238
6.45124E-05	1.98394E-05	5.12098E-05	0.000109017	5.8525E-05	6.21847E-05	2.60777E-05	5.12098E-05	0.000113847
6.12591E-05	1.66299E-05	4.91685E-05	0.000111521	5.58607E-05	5.94678E-05	2.38803E-05	4.91685E-05	0.000116547
6.20587E-05	1.58586E-05	5.06985E-05	0.000119927	5.69839E-05	6.06822E-05	2.41948E-05	5.06985E-05	0.000125568
6.55252E-05	1.64149E-05	5.4766E-05	0.000131905	6.06844E-05	6.45823E-05	2.61256E-05	5.4766E-05	0.000138401
7.08727E-05	1.84745E-05	5.9864E-05	0.000145071	6.58746E-05	7.00337E-05	2.90001E-05	5.9864E-05	0.000152492
7.59889E-05	2.11238E-05	6.35501E-05	0.000156375	7.03317E-05	7.4733E-05	3.13105E-05	6.35501E-05	0.000164713
7.63953E-05	2.41509E-05	6.40182E-05	0.000208584	7.06847E-05	7.50034E-05	3.23952E-05	6.40182E-05	0.000212649
7.38132E-05	2.52657E-05	6.28976E-05	0.000212449	6.86764E-05	7.2778E-05	3.23116E-05	6.28976E-05	0.00021689
7.4228E-05	2.61253E-05	6.31907E-05	0.000215722	6.9016E-05	7.30901E-05	3.28952E-05	6.31907E-05	0.000220366
7.51033E-05	2.72068E-05	6.36108E-05	0.000216545	6.96733E-05	7.37501E-05	3.35284E-05	6.36108E-05	0.000221229
7.562E-05	2.78901E-05	6.31167E-05	0.000216764	6.9756E-05	7.38573E-05	3.33938E-05	6.31167E-05	0.000221449
7.52576E-05	2.72873E-05	6.30824E-05	0.000210885	6.95457E-05	7.36524E-05	3.31363E-05	6.30824E-05	0.000216462
7.66017E-05	2.75126E-05	6.46294E-05	0.000208083	7.09679E-05	7.51523E-05	3.38692E-05	6.46294E-05	0.000213455
7.88168E-05	2.71242E-05	6.70696E-05	0.000198835	7.32898E-05	7.7662E-05	3.45263E-05	6.70696E-05	0.000203549
8.49377E-05	2.79995E-05	7.27374E-05	0.000192814	7.92067E-05	8.39926E-05	3.6775E-05	7.27374E-05	0.000195781

8.96076E-05	2.94009E-05	7.66316E-05	0.000180909	8.35227E-05	8.85856E-05	3.86352E-05	7.66316E-05	0.000183047
9.21043E-05	3.05874E-05	7.85247E-05	0.000172346	8.57396E-05	9.09251E-05	3.97649E-05	7.85247E-05	0.000173905
9.7941E-05	3.57422E-05	8.22775E-05	0.00016771	9.05748E-05	9.5896E-05	4.3398E-05	8.22775E-05	0.000168972
0.000105446	4.42045E-05	8.61643E-05	0.000152113	9.63523E-05	0.000101746	4.85301E-05	8.61643E-05	0.000154934
0.000106773	4.80268E-05	8.5893E-05	0.000137233	9.69107E-05	0.00010218	5.01893E-05	8.5893E-05	0.000141515
0.000105426	4.73618E-05	8.2493E-05	0.000124682	9.47294E-05	9.99076E-05	4.88196E-05	8.2493E-05	0.000129403
9.83242E-05	4.2512E-05	7.52094E-05	0.000113439	8.76777E-05	9.25711E-05	4.42932E-05	7.52094E-05	0.000118551
8.57734E-05	3.54261E-05	6.59518E-05	0.00010898	7.66732E-05	8.10233E-05	3.81053E-05	6.59518E-05	0.000113786
7.44418E-05	2.72795E-05	5.7848E-05	0.000106591	6.68948E-05	7.08738E-05	3.16164E-05	5.7848E-05	0.000111238
6.45124E-05	1.98394E-05	5.12098E-05	0.000109017	5.8525E-05	6.21847E-05	2.60777E-05	5.12098E-05	0.000113847
6.12591E-05	1.66299E-05	4.91685E-05	0.000111521	5.58607E-05	5.94678E-05	2.38803E-05	4.91685E-05	0.000116547
6.20587E-05	1.58586E-05	5.06985E-05	0.000119927	5.69839E-05	6.06822E-05	2.41948E-05	5.06985E-05	0.000125568
6.55252E-05	1.64149E-05	5.4766E-05	0.000131905	6.06844E-05	6.45823E-05	2.61256E-05	5.4766E-05	0.000138401
7.08727E-05	1.84745E-05	5.9864E-05	0.000145071	6.58746E-05	7.00337E-05	2.90001E-05	5.9864E-05	0.000152492
7.59889E-05	2.11238E-05	6.35501E-05	0.000156375	7.03317E-05	7.4733E-05	3.13105E-05	6.35501E-05	0.000164713
7.63953E-05	2.41509E-05	6.40182E-05	0.000208584	7.06847E-05	7.50034E-05	3.23952E-05	6.40182E-05	0.000212649
7.38132E-05	2.52657E-05	6.28976E-05	0.000212449	6.86764E-05	7.2778E-05	3.23116E-05	6.28976E-05	0.00021689
7.4228E-05	2.61253E-05	6.31907E-05	0.000215722	6.9016E-05	7.30901E-05	3.28952E-05	6.31907E-05	0.000220366
7.51033E-05	2.72068E-05	6.36108E-05	0.000216545	6.96733E-05	7.37501E-05	3.35284E-05	6.36108E-05	0.000221229
7.562E-05	2.78901E-05	6.31167E-05	0.000216764	6.9756E-05	7.38573E-05	3.33938E-05	6.31167E-05	0.000221449
7.52576E-05	2.72873E-05	6.30824E-05	0.000210885	6.95457E-05	7.36524E-05	3.31363E-05	6.30824E-05	0.000216462
7.66017E-05	2.75126E-05	6.46294E-05	0.000208083	7.09679E-05	7.51523E-05	3.38692E-05	6.46294E-05	0.000213455
7.88168E-05	2.71242E-05	6.70696E-05	0.000198835	7.32898E-05	7.7662E-05	3.45263E-05	6.70696E-05	0.000203549
8.49377E-05	2.79995E-05	7.27374E-05	0.000192814	7.92067E-05	8.39926E-05	3.6775E-05	7.27374E-05	0.000195781
8.96076E-05	2.94009E-05	7.66316E-05	0.000180909	8.35227E-05	8.85856E-05	3.86352E-05	7.66316E-05	0.000183047
9.21043E-05	3.05874E-05	7.85247E-05	0.000172346	8.57396E-05	9.09251E-05	3.97649E-05	7.85247E-05	0.000173905
9.7941E-05	3.57422E-05	8.22775E-05	0.00016771	9.05748E-05	9.5896E-05	4.3398E-05	8.22775E-05	0.000168972
0.000105446	4.42045E-05	8.61643E-05	0.000152113	9.63523E-05	0.000101746	4.85301E-05	8.61643E-05	0.000154934
0.000106773	4.80268E-05	8.5893E-05	0.000137233	9.69107E-05	0.00010218	5.01893E-05	8.5893E-05	0.000141515
0.000105426	4.73618E-05	8.2493E-05	0.000124682	9.47294E-05	9.99076E-05	4.88196E-05	8.2493E-05	0.000129403
9.83242E-05	4.2512E-05	7.52094E-05	0.000113439	8.76777E-05	9.25711E-05	4.42932E-05	7.52094E-05	0.000118551
8.57734E-05	3.54261E-05	6.59518E-05	0.00010898	7.66732E-05	8.10233E-05	3.81053E-05	6.59518E-05	0.000113786
7.44418E-05	2.72795E-05	5.7848E-05	0.000106591	6.68948E-05	7.08738E-05	3.16164E-05	5.7848E-05	0.000111238
6.49447E-05	1.99249E-05	5.16211E-05	0.000108027	5.89467E-05	6.26335E-05	2.62591E-05	5.16211E-05	0.000112778
6.09991E-05	1.65908E-05	4.89765E-05	0.000112222	5.56294E-05	5.92173E-05	2.38188E-05	4.89765E-05	0.0001173
6.21444E-05	1.58804E-05	5.08015E-05	0.000120763	5.70761E-05	6.07787E-05	2.42493E-05	5.08015E-05	0.000126465
6.5856E-05	1.64823E-05	5.50897E-05	0.000132898	6.10106E-05	6.49288E-05	2.62722E-05	5.50897E-05	0.000139467
7.10849E-05	1.85298E-05	6.01259E-05	0.000146513	6.61057E-05	7.0275E-05	2.91408E-05	6.01259E-05	0.000154038
7.63219E-05	2.12017E-05	6.39214E-05	0.000158352	7.06785E-05	7.50978E-05	3.14972E-05	6.39214E-05	0.000166829
7.82957E-05	2.42611E-05	6.44505E-05	0.00021119	7.19761E-05	7.64197E-05	3.25792E-05	6.44505E-05	0.000215438
7.40728E-05	2.53081E-05	6.31045E-05	0.000215329	6.89134E-05	7.30334E-05	3.23861E-05	6.31045E-05	0.000219972
7.44056E-05	2.61465E-05	6.3297E-05	0.000218597	6.91639E-05	7.32524E-05	3.29158E-05	6.3297E-05	0.000223443
7.51628E-05	2.72222E-05	6.36837E-05	0.000219385	6.97379E-05	7.38176E-05	3.35675E-05	6.36837E-05	0.000224266
7.5571E-05	2.78785E-05	6.30617E-05	0.00021952	6.97048E-05	7.38035E-05	3.3366E-05	6.30617E-05	0.000224394
7.49935E-05	2.72372E-05	6.28408E-05	0.00021353	6.9292E-05	7.33816E-05	3.30338E-05	6.28408E-05	0.000219287
7.61097E-05	2.74222E-05	6.41922E-05	0.00021043	7.05004E-05	7.46524E-05	3.36893E-05	6.41922E-05	0.000215963
7.85871E-05	2.70944E-05	6.6921E-05	0.000200833	7.30939E-05	7.74481E-05	3.44901E-05	6.6921E-05	0.000205679
8.52814E-05	2.8075E-05	7.30982E-05	0.000194611	7.95556E-05	8.43613E-05	3.69483E-05	7.30982E-05	0.000197695
9.09055E-05	2.96361E-05	7.77704E-05	0.000182778	8.475E-05	8.98992E-05	3.90974E-05	7.77704E-05	0.00018504
9.34535E-05	3.08377E-05	7.97345E-05	0.000174068	8.7026E-05	9.22999E-05	4.02676E-05	7.97345E-05	0.000175741
9.92451E-05	3.59815E-05	8.34354E-05	0.000169286	9.18135E-05	9.72207E-05	4.3874E-05	8.34354E-05	0.000170654
0.000106644	4.44208E-05	8.72116E-05	0.000153908	9.74834E-05	0.000102957	4.89534E-05	8.72116E-05	0.000156852
0.000107917	4.82362E-05	8.69058E-05	0.000138925	9.79967E-05	0.000103342	5.06041E-05	8.69058E-05	0.000143322
0.000104828	4.75001E-05	8.326E-05	0.000126336	9.46922E-05	9.98292E-05	4.9148E-05	8.326E-05	0.000131167
9.9113E-05	4.26567E-05	7.59095E-05	0.000114993	8.84268E-05	9.33723E-05	4.45808E-05	7.59095E-05	0.000120208
8.62625E-05	3.55188E-05	6.63996E-05	0.000110396	7.71432E-05	8.15249E-05	3.82954E-05	6.63996E-05	0.000115294
7.48496E-05	2.73565E-05	5.82198E-05	0.000107846	6.7286E-05	7.12915E-05	3.17736E-05	5.82198E-05	0.000112575
6.49447E-05	1.99249E-05	5.16211E-05	0.000108027	5.89467E-05	6.26335E-05	2.62591E-05	5.16211E-05	0.000112778
6.09991E-05	1.65908E-05	4.89765E-05	0.000112222	5.56294E-05	5.92173E-05	2.38188E-05	4.89765E-05	0.0001173
6.21444E-05	1.58804E-05	5.08015E-05	0.000120763	5.70761E-05	6.07787E-05	2.42493E-05	5.08015E-05	0.000126465
6.5856E-05	1.64823E-05	5.50897E-05	0.000132898	6.10106E-05	6.49288E-05	2.62722E-05	5.50897E-05	0.000139467
7.10849E-05	1.85298E-05	6.01259E-05	0.000146513	6.61057E-05	7.0275E-05	2.91408E-05	6.01259E-05	0.000154038
7.63219E-05	2.12017E-05	6.39214E-05	0.000158352	7.06785E-05	7.50978E-05	3.14972E-05	6.39214E-05	0.000166829
7.82957E-05	2.42611E-05	6.44505E-05	0.00021119	7.19761E-05	7.64197E-05	3.25792E-05	6.44505E-05	0.000215438
7.40728E-05	2.53081E-05	6.31045E-05	0.000215329	6.89134E-05	7.30334E-05	3.23861E-05	6.31045E-05	0.000219972
7.44056E-05	2.61465E-05	6.3297E-05	0.000218597	6.91639E-05	7.32524E-05	3.29158E-05	6.3297E-05	0.000223443
7.51628E-05	2.72222E-05	6.36837E-05	0.000219385	6.97379E-05	7.38176E-05	3.35675E-05	6.36837E-05	0.000224266
7.5571E-05	2.78785E-05	6.30617E-05	0.00021952	6.97048E-05	7.38035E-05	3.3366E-05	6.30617E-05	0.000224394
7.49935E-05	2.72372E-05	6.28408E-05	0.00021353	6.9292E-05	7.33816E-05	3.30338E-05	6.28408E-05	0.000219287
7.61097E-05	2.74222E-05	6.41922E-05	0.00021043	7.05004E-05	7.46524E-05	3.36893E-05	6.41922E-05	0.000215963
7.85871E-05	2.70944E-05	6.6921E-05	0.000200833	7.30939E-05	7.74481E-05	3.44901E-05	6.6921E-05	0.000205679
8.52814E-05	2.8075E-05	7.30982E-05	0.000194611	7.95556E-05	8.43613E-05	3.69483E-05	7.30982E-05	0.000197695
9.09055E-05	2.96361E-05	7.77704E-05	0.000182778	8.475E-05	8.98992E-05	3.90974E-05	7.77704E-05	0.00018504
9.34535E-05	3.08377E-05	7.97345E-05	0.000174068	8.7026E-05	9.22999E-05	4.02676E-05	7.97345E-05	0.000175741
9.92451E-05	3.59815E-05	8.34354E-05	0.000169286	9.18135E-05	9.72207E-05	4.3874E-05	8.34354E-05	0.000170654
0.000106644	4.44208E-05	8.72116E-05	0.000153908	9.74834E-05	0.000102957	4.89534E-05	8.72116E-05	0.000156852

0.000107917	4.82362E-05	8.69058E-05	0.000138925	9.79967E-05	0.000103342	5.06041E-05	8.69058E-05	0.000143322
0.000104828	4.75001E-05	8.326E-05	0.000126336	9.46922E-05	9.98292E-05	4.9148E-05	8.326E-05	0.000131167
9.9113E-05	4.26567E-05	7.59095E-05	0.000114993	8.84268E-05	9.33723E-05	4.45808E-05	7.59095E-05	0.000120208
8.62625E-05	3.55188E-05	6.63996E-05	0.000110396	7.71432E-05	8.15249E-05	3.82954E-05	6.63996E-05	0.000115294
7.48496E-05	2.73565E-05	5.82198E-05	0.000107846	6.7286E-05	7.12915E-05	3.17736E-05	5.82198E-05	0.000112575
6.45124E-05	1.98394E-05	5.12098E-05	0.000109017	5.8525E-05	6.21847E-05	2.60777E-05	5.12098E-05	0.000113847
6.12591E-05	1.66299E-05	4.91685E-05	0.000111521	5.58607E-05	5.94678E-05	2.38803E-05	4.91685E-05	0.000116547
6.20587E-05	1.58586E-05	5.06985E-05	0.000119927	5.69839E-05	6.06822E-05	2.41948E-05	5.06985E-05	0.000125568
6.55252E-05	1.64149E-05	5.4766E-05	0.000131905	6.06844E-05	6.45823E-05	2.61256E-05	5.4766E-05	0.000138401
7.08727E-05	1.84745E-05	5.9864E-05	0.000145071	6.58746E-05	7.00337E-05	2.90001E-05	5.9864E-05	0.000152492
7.59889E-05	2.11238E-05	6.35501E-05	0.000156375	7.03317E-05	7.4733E-05	3.13105E-05	6.35501E-05	0.000164713
7.63953E-05	2.41509E-05	6.40182E-05	0.000208584	7.06847E-05	7.50034E-05	3.23952E-05	6.40182E-05	0.000212649
7.38132E-05	2.52657E-05	6.28976E-05	0.000212449	6.86764E-05	7.2778E-05	3.23116E-05	6.28976E-05	0.00021689
7.4228E-05	2.61253E-05	6.31907E-05	0.000215722	6.9016E-05	7.30901E-05	3.28952E-05	6.31907E-05	0.000220366
7.51033E-05	2.72068E-05	6.36108E-05	0.000216545	6.96733E-05	7.37501E-05	3.35284E-05	6.36108E-05	0.000221229
7.562E-05	2.78901E-05	6.31167E-05	0.000216764	6.9756E-05	7.38573E-05	3.33938E-05	6.31167E-05	0.000221449
7.52576E-05	2.72873E-05	6.30824E-05	0.000210885	6.95457E-05	7.36524E-05	3.31363E-05	6.30824E-05	0.000216462
7.66017E-05	2.75126E-05	6.46294E-05	0.000208083	7.09679E-05	7.51523E-05	3.38692E-05	6.46294E-05	0.000213455
7.88168E-05	2.71242E-05	6.70696E-05	0.000198835	7.32898E-05	7.7662E-05	3.45263E-05	6.70696E-05	0.000203549
8.49377E-05	2.79995E-05	7.27374E-05	0.000192814	7.92067E-05	8.39926E-05	3.6775E-05	7.27374E-05	0.000195781
8.96076E-05	2.94009E-05	7.66316E-05	0.000180909	8.35227E-05	8.85856E-05	3.86352E-05	7.66316E-05	0.000183047
9.21043E-05	3.05874E-05	7.85247E-05	0.000172346	8.57396E-05	9.09251E-05	3.97649E-05	7.85247E-05	0.000173905
9.7941E-05	3.57422E-05	8.22775E-05	0.00016771	9.05748E-05	9.5896E-05	4.3398E-05	8.22775E-05	0.000168972
0.000105446	4.42045E-05	8.61643E-05	0.000152113	9.63523E-05	0.000101746	4.85301E-05	8.61643E-05	0.000154934
0.000106773	4.80268E-05	8.5893E-05	0.000137233	9.69107E-05	0.00010218	5.01893E-05	8.5893E-05	0.000141515
0.000105426	4.73618E-05	8.2493E-05	0.000124682	9.47294E-05	9.99076E-05	4.88196E-05	8.2493E-05	0.000129403
9.83242E-05	4.2512E-05	7.52094E-05	0.000113439	8.76777E-05	9.25711E-05	4.42932E-05	7.52094E-05	0.000118551
8.57734E-05	3.54261E-05	6.59518E-05	0.00010898	7.66732E-05	8.10233E-05	3.81053E-05	6.59518E-05	0.000113786
7.44418E-05	2.72795E-05	5.7848E-05	0.000106591	6.68948E-05	7.08738E-05	3.16164E-05	5.7848E-05	0.000111238
6.45124E-05	1.98394E-05	5.12098E-05	0.000109017	5.8525E-05	6.21847E-05	2.60777E-05	5.12098E-05	0.000113847
6.12591E-05	1.66299E-05	4.91685E-05	0.000111521	5.58607E-05	5.94678E-05	2.38803E-05	4.91685E-05	0.000116547
6.20587E-05	1.58586E-05	5.06985E-05	0.000119927	5.69839E-05	6.06822E-05	2.41948E-05	5.06985E-05	0.000125568
6.55252E-05	1.64149E-05	5.4766E-05	0.000131905	6.06844E-05	6.45823E-05	2.61256E-05	5.4766E-05	0.000138401
7.08727E-05	1.84745E-05	5.9864E-05	0.000145071	6.58746E-05	7.00337E-05	2.90001E-05	5.9864E-05	0.000152492
7.59889E-05	2.11238E-05	6.35501E-05	0.000156375	7.03317E-05	7.4733E-05	3.13105E-05	6.35501E-05	0.000164713
7.63953E-05	2.41509E-05	6.40182E-05	0.000208584	7.06847E-05	7.50034E-05	3.23952E-05	6.40182E-05	0.000212649
7.38132E-05	2.52657E-05	6.28976E-05	0.000212449	6.86764E-05	7.2778E-05	3.23116E-05	6.28976E-05	0.00021689
7.4228E-05	2.61253E-05	6.31907E-05	0.000215722	6.9016E-05	7.30901E-05	3.28952E-05	6.31907E-05	0.000220366
7.51033E-05	2.72068E-05	6.36108E-05	0.000216545	6.96733E-05	7.37501E-05	3.35284E-05	6.36108E-05	0.000221229
7.562E-05	2.78901E-05	6.31167E-05	0.000216764	6.9756E-05	7.38573E-05	3.33938E-05	6.31167E-05	0.000221449
7.52576E-05	2.72873E-05	6.30824E-05	0.000210885	6.95457E-05	7.36524E-05	3.31363E-05	6.30824E-05	0.000216462
7.66017E-05	2.75126E-05	6.46294E-05	0.000208083	7.09679E-05	7.51523E-05	3.38692E-05	6.46294E-05	0.000213455
7.88168E-05	2.71242E-05	6.70696E-05	0.000198835	7.32898E-05	7.7662E-05	3.45263E-05	6.70696E-05	0.000203549
8.49377E-05	2.79995E-05	7.27374E-05	0.000192814	7.92067E-05	8.39926E-05	3.6775E-05	7.27374E-05	0.000195781
8.96076E-05	2.94009E-05	7.66316E-05	0.000180909	8.35227E-05	8.85856E-05	3.86352E-05	7.66316E-05	0.000183047
9.21043E-05	3.05874E-05	7.85247E-05	0.000172346	8.57396E-05	9.09251E-05	3.97649E-05	7.85247E-05	0.000173905
9.7941E-05	3.57422E-05	8.22775E-05	0.00016771	9.05748E-05	9.5896E-05	4.3398E-05	8.22775E-05	0.000168972
0.000105446	4.42045E-05	8.61643E-05	0.000152113	9.63523E-05	0.000101746	4.85301E-05	8.61643E-05	0.000154934
0.000106773	4.80268E-05	8.5893E-05	0.000137233	9.69107E-05	0.00010218	5.01893E-05	8.5893E-05	0.000141515
0.000105426	4.73618E-05	8.2493E-05	0.000124682	9.47294E-05	9.99076E-05	4.88196E-05	8.2493E-05	0.000129403
9.83242E-05	4.2512E-05	7.52094E-05	0.000113439	8.76777E-05	9.25711E-05	4.42932E-05	7.52094E-05	0.000118551
8.57734E-05	3.54261E-05	6.59518E-05	0.00010898	7.66732E-05	8.10233E-05	3.81053E-05	6.59518E-05	0.000113786

7.44418E-05	2.72795E-05	5.7848E-05	0.000106591	6.68948E-05	7.08738E-05	3.16164E-05	5.7848E-05	0.000111238
6.45124E-05	1.98394E-05	5.12098E-05	0.000109017	5.8525E-05	6.21847E-05	2.60777E-05	5.12098E-05	0.000113847
6.12591E-05	1.66299E-05	4.91685E-05	0.000111521	5.58607E-05	5.94678E-05	2.38803E-05	4.91685E-05	0.000116547
6.20587E-05	1.58586E-05	5.06985E-05	0.000119927	5.69839E-05	6.06822E-05	2.41948E-05	5.06985E-05	0.000125568
6.55252E-05	1.64149E-05	5.4766E-05	0.000131905	6.06844E-05	6.45823E-05	2.61256E-05	5.4766E-05	0.000138401
7.08727E-05	1.84745E-05	5.9864E-05	0.000145071	6.58746E-05	7.00337E-05	2.90001E-05	5.9864E-05	0.000152492
7.59889E-05	2.11238E-05	6.35501E-05	0.000156375	7.03317E-05	7.4733E-05	3.13105E-05	6.35501E-05	0.000164713
7.63953E-05	2.41509E-05	6.40182E-05	0.000208584	7.06847E-05	7.50034E-05	3.23952E-05	6.40182E-05	0.000212649
7.38132E-05	2.52657E-05	6.28976E-05	0.000212449	6.86764E-05	7.2778E-05	3.23116E-05	6.28976E-05	0.00021689
7.4228E-05	2.61253E-05	6.31907E-05	0.000215722	6.9016E-05	7.30901E-05	3.28952E-05	6.31907E-05	0.000220366
7.51033E-05	2.72068E-05	6.36108E-05	0.000216545	6.96733E-05	7.37501E-05	3.35284E-05	6.36108E-05	0.000221229
7.562E-05	2.78901E-05	6.31167E-05	0.000216764	6.9756E-05	7.38573E-05	3.33938E-05	6.31167E-05	0.000221449
7.52576E-05	2.72873E-05	6.30824E-05	0.000210885	6.95457E-05	7.36524E-05	3.31363E-05	6.30824E-05	0.000216462
7.66017E-05	2.75126E-05	6.46294E-05	0.000208083	7.09679E-05	7.51523E-05	3.38692E-05	6.46294E-05	0.000213455
7.88168E-05	2.71242E-05	6.70696E-05	0.000198835	7.32898E-05	7.7662E-05	3.45263E-05	6.70696E-05	0.000203549
8.49377E-05	2.79995E-05	7.27374E-05	0.000192814	7.92067E-05	8.39926E-05	3.6775E-05	7.27374E-05	0.000195781
8.96076E-05	2.94009E-05	7.66316E-05	0.000180909	8.35227E-05	8.85856E-05	3.86352E-05	7.66316E-05	0.000183047
9.21043E-05	3.05874E-05	7.85247E-05	0.000172346	8.57396E-05	9.09251E-05	3.97649E-05	7.85247E-05	0.000173905
9.7941E-05	3.57422E-05	8.22775E-05	0.00016771	9.05748E-05	9.5896E-05	4.3398E-05	8.22775E-05	0.000168972
0.000105446	4.42045E-05	8.61643E-05	0.000152113	9.63523E-05	0.000101746	4.85301E-05	8.61643E-05	0.000154934
0.000106773	4.80268E-05	8.5893E-05	0.000137233	9.69107E-05	0.00010218	5.01893E-05	8.5893E-05	0.000141515
0.000105426	4.73618E-05	8.2493E-05	0.000124682	9.47294E-05	9.99076E-05	4.88196E-05	8.2493E-05	0.000129403
9.83242E-05	4.2512E-05	7.52094E-05	0.000113439	8.76777E-05	9.25711E-05	4.42932E-05	7.52094E-05	0.000118551
8.57734E-05	3.54261E-05	6.59518E-05	0.00010898	7.66732E-05	8.10233E-05	3.81053E-05	6.59518E-05	0.000113786
7.44418E-05	2.72795E-05	5.7848E-05	0.000106591	6.68948E-05	7.08738E-05	3.16164E-05	5.7848E-05	0.000111238
6.45124E-05	1.98394E-05	5.12098E-05	0.000109017	5.8525E-05	6.21847E-05	2.60777E-05	5.12098E-05	0.000113847
6.12591E-05	1.66299E-05	4.91685E-05	0.000111521	5.58607E-05	5.94678E-05	2.38803E-05	4.91685E-05	0.000116547
6.20587E-05	1.58586E-05	5.06985E-05	0.000119927	5.69839E-05	6.06822E-05	2.41948E-05	5.06985E-05	0.000125568
6.55252E-05	1.64149E-05	5.4766E-05	0.000131905	6.06844E-05	6.45823E-05	2.61256E-05	5.4766E-05	0.000138401
7.08727E-05	1.84745E-05	5.9864E-05	0.000145071	6.58746E-05	7.00337E-05	2.90001E-05	5.9864E-05	0.000152492
7.59889E-05	2.11238E-05	6.35501E-05	0.000156375	7.03317E-05	7.4733E-05	3.13105E-05	6.35501E-05	0.000164713
7.63953E-05	2.41509E-05	6.40182E-05	0.000208584	7.06847E-05	7.50034E-05	3.23952E-05	6.40182E-05	0.000212649
7.38132E-05	2.52657E-05	6.28976E-05	0.000212449	6.86764E-05	7.2778E-05	3.23116E-05	6.28976E-05	0.00021689
7.4228E-05	2.61253E-05	6.31907E-05	0.000215722	6.9016E-05	7.30901E-05	3.28952E-05	6.31907E-05	0.000220366
7.51033E-05	2.72068E-05	6.36108E-05	0.000216545	6.96733E-05	7.37501E-05	3.35284E-05	6.36108E-05	0.000221229
7.562E-05	2.78901E-05	6.31167E-05	0.000216764	6.9756E-05	7.38573E-05	3.33938E-05	6.31167E-05	0.000221449
7.52576E-05	2.72873E-05	6.30824E-05	0.000210885	6.95457E-05	7.36524E-05	3.31363E-05	6.30824E-05	0.000216462
7.66017E-05	2.75126E-05	6.46294E-05	0.000208083	7.09679E-05	7.51523E-05	3.38692E-05	6.46294E-05	0.000213455
7.88168E-05	2.71242E-05	6.70696E-05	0.000198835	7.32898E-05	7.7662E-05	3.45263E-05	6.70696E-05	0.000203549
8.49377E-05	2.79995E-05	7.27374E-05	0.000192814	7.92067E-05	8.39926E-05	3.6775E-05	7.27374E-05	0.000195781
8.96076E-05	2.94009E-05	7.66316E-05	0.000180909	8.35227E-05	8.85856E-05	3.86352E-05	7.66316E-05	0.000183047
9.21043E-05	3.05874E-05	7.85247E-05	0.000172346	8.57396E-05	9.09251E-05	3.97649E-05	7.85247E-05	0.000173905
9.7941E-05	3.57422E-05	8.22775E-05	0.00016771	9.05748E-05	9.5896E-05	4.3398E-05	8.22775E-05	0.000168972
0.000105446	4.42045E-05	8.61643E-05	0.000152113	9.63523E-05	0.000101746	4.85301E-05	8.61643E-05	0.000154934
0.000106773	4.80268E-05	8.5893E-05	0.000137233	9.69107E-05	0.00010218	5.01893E-05	8.5893E-05	0.000141515
0.000105426	4.73618E-05	8.2493E-05	0.000124682	9.47294E-05	9.99076E-05	4.88196E-05	8.2493E-05	0.000129403
9.83242E-05	4.2512E-05	7.52094E-05	0.000113439	8.76777E-05	9.25711E-05	4.42932E-05	7.52094E-05	0.000118551
8.57734E-05	3.54261E-05	6.59518E-05	0.00010898	7.66732E-05	8.10233E-05	3.81053E-05	6.59518E-05	0.000113786
7.44418E-05	2.72795E-05	5.7848E-05	0.000106591	6.68948E-05	7.08738E-05	3.16164E-05	5.7848E-05	0.000111238
6.49447E-05	1.99249E-05	5.16211E-05	0.000108027	5.89467E-05	6.26335E-05	2.62591E-05	5.16211E-05	0.000112778
6.09991E-05	1.65908E-05	4.89765E-05	0.000112222	5.56294E-05	5.92173E-05	2.38188E-05	4.89765E-05	0.0001173
6.21444E-05	1.58804E-05	5.08015E-05	0.000120763	5.70761E-05	6.07787E-05	2.42493E-05	5.08015E-05	0.000126465
6.5856E-05	1.64823E-05	5.50897E-05	0.000132898	6.10106E-05	6.49288E-05	2.62722E-05	5.50897E-05	0.000139467
7.10849E-05	1.85298E-05	6.01259E-05	0.000146513	6.61057E-05	7.0275E-05	2.91408E-05	6.01259E-05	0.000154038
7.63219E-05	2.12017E-05	6.39214E-05	0.000158352	7.06785E-05	7.50978E-05	3.14972E-05	6.39214E-05	0.000166829
7.82957E-05	2.42611E-05	6.44505E-05	0.00021119	7.19761E-05	7.64197E-05	3.25792E-05	6.44505E-05	0.000215438
7.40728E-05	2.53081E-05	6.31045E-05	0.000215329	6.89134E-05	7.30334E-05	3.23861E-05	6.31045E-05	0.000219972
7.44056E-05	2.61465E-05	6.3297E-05	0.000218597	6.91639E-05	7.32524E-05	3.29158E-05	6.3297E-05	0.000223443
7.51628E-05	2.72222E-05	6.36837E-05	0.000219385	6.97379E-05	7.38176E-05	3.35675E-05	6.36837E-05	0.000224266
7.5571E-05	2.78785E-05	6.30617E-05	0.00021952	6.97048E-05	7.38035E-05	3.3366E-05	6.30617E-05	0.000224394
7.49935E-05	2.72372E-05	6.28408E-05	0.00021353	6.9292E-05	7.33816E-05	3.30338E-05	6.28408E-05	0.000219287
7.61097E-05	2.74222E-05	6.41922E-05	0.00021043	7.05004E-05	7.46524E-05	3.36893E-05	6.41922E-05	0.000215963
7.85871E-05	2.70944E-05	6.6921E-05	0.000200833	7.30939E-05	7.74481E-05	3.44901E-05	6.6921E-05	0.000205679
8.52814E-05	2.8075E-05	7.30982E-05	0.000194611	7.95556E-05	8.43613E-05	3.69483E-05	7.30982E-05	0.000197695
9.09055E-05	2.96361E-05	7.77704E-05	0.000182778	8.475E-05	8.98992E-05	3.90974E-05	7.77704E-05	0.00018504
9.34535E-05	3.08377E-05	7.97345E-05	0.000174068	8.7026E-05	9.22999E-05	4.02676E-05	7.97345E-05	0.000175741
9.92451E-05	3.59815E-05	8.34354E-05	0.000169286	9.18135E-05	9.72207E-05	4.3874E-05	8.34354E-05	0.000170654
0.000106644	4.44208E-05	8.72116E-05	0.000153908	9.74834E-05	0.000102957	4.89534E-05	8.72116E-05	0.000156852
0.000107917	4.82362E-05	8.69058E-05	0.000138925	9.79967E-05	0.000103342	5.06041E-05	8.69058E-05	0.000143322
0.000104828	4.75001E-05	8.326E-05	0.000126336	9.46922E-05	9.98292E-05	4.9148E-05	8.326E-05	0.000131167
9.9113E-05	4.26567E-05	7.59095E-05	0.000114993	8.84268E-05	9.33723E-05	4.45808E-05	7.59095E-05	0.000120208
8.62625E-05	3.55188E-05	6.63996E-05	0.000110396	7.71432E-05	8.15249E-05	3.82954E-05	6.63996E-05	0.000115294
7.48496E-05	2.73565E-05	5.82198E-05	0.000107846	6.7286E-05	7.12915E-05	3.17736E-05	5.82198E-05	0.000112575
6.49447E-05	1.99249E-05	5.16211E-05	0.000108027	5.89467E-05	6.26335E-05	2.62591E-05	5.16211E-05	0.000112778
6.09991E-05	1.65908E-05	4.89765E-05	0.000112222	5.56294E-05	5.92173E-05	2.38188E-05	4.89765E-05	0.0001173
6.21444E-05	1.58804E-05	5.08015E-05	0.000120763	5.70761E-05	6.07787E-05	2.42493E-05	5.08015E-05	0.000126465

6.5856E-05	1.64823E-05	5.50897E-05	0.000132898	6.10106E-05	6.49288E-05	2.62722E-05	5.50897E-05	0.000139467
7.10849E-05	1.85298E-05	6.01259E-05	0.000146513	6.61057E-05	7.0275E-05	2.91408E-05	6.01259E-05	0.000154038
7.63219E-05	2.12017E-05	6.39214E-05	0.000158352	7.06785E-05	7.50978E-05	3.14972E-05	6.39214E-05	0.000166829
7.82957E-05	2.42611E-05	6.44505E-05	0.00021119	7.19761E-05	7.64197E-05	3.25792E-05	6.44505E-05	0.000215438
7.40728E-05	2.53081E-05	6.31045E-05	0.000215329	6.89134E-05	7.30334E-05	3.23861E-05	6.31045E-05	0.000219972
7.44056E-05	2.61465E-05	6.3297E-05	0.000218597	6.91639E-05	7.32524E-05	3.29158E-05	6.3297E-05	0.000223443
7.51628E-05	2.72222E-05	6.36837E-05	0.000219385	6.97379E-05	7.38176E-05	3.35675E-05	6.36837E-05	0.000224266
7.5571E-05	2.78785E-05	6.30617E-05	0.00021952	6.97048E-05	7.38035E-05	3.3366E-05	6.30617E-05	0.000224394
7.49935E-05	2.72372E-05	6.28408E-05	0.00021353	6.9292E-05	7.33816E-05	3.30338E-05	6.28408E-05	0.000219287
7.61097E-05	2.74222E-05	6.41922E-05	0.00021043	7.05004E-05	7.46524E-05	3.36893E-05	6.41922E-05	0.000215963
7.85871E-05	2.70944E-05	6.6921E-05	0.000200833	7.30939E-05	7.74481E-05	3.44901E-05	6.6921E-05	0.000205679
8.52814E-05	2.8075E-05	7.30982E-05	0.000194611	7.95556E-05	8.43613E-05	3.69483E-05	7.30982E-05	0.000197695
9.09055E-05	2.96361E-05	7.77704E-05	0.000182778	8.475E-05	8.98992E-05	3.90974E-05	7.77704E-05	0.00018504
9.34535E-05	3.08377E-05	7.97345E-05	0.000174068	8.7026E-05	9.22999E-05	4.02676E-05	7.97345E-05	0.000175741
9.92451E-05	3.59815E-05	8.34354E-05	0.000169286	9.18135E-05	9.72207E-05	4.3874E-05	8.34354E-05	0.000170654
0.000106644	4.44208E-05	8.72116E-05	0.000153908	9.74834E-05	0.000102957	4.89534E-05	8.72116E-05	0.000156852
0.000107917	4.82362E-05	8.69058E-05	0.000138925	9.79967E-05	0.000103342	5.06041E-05	8.69058E-05	0.000143322
0.000104828	4.75001E-05	8.326E-05	0.000126336	9.46922E-05	9.98292E-05	4.9148E-05	8.326E-05	0.000131167
9.9113E-05	4.26567E-05	7.59095E-05	0.000114993	8.84268E-05	9.33723E-05	4.45808E-05	7.59095E-05	0.000120208
8.62625E-05	3.55188E-05	6.63996E-05	0.000110396	7.71432E-05	8.15249E-05	3.82954E-05	6.63996E-05	0.000115294
7.48496E-05	2.73565E-05	5.82198E-05	0.000107846	6.7286E-05	7.12915E-05	3.17736E-05	5.82198E-05	0.000112575
6.45124E-05	1.98394E-05	5.12098E-05	0.000109017	5.8525E-05	6.21847E-05	2.60777E-05	5.12098E-05	0.000113847
6.12591E-05	1.66299E-05	4.91685E-05	0.000111521	5.58607E-05	5.94678E-05	2.38803E-05	4.91685E-05	0.000116547
6.20587E-05	1.58586E-05	5.06985E-05	0.000119927	5.69839E-05	6.06822E-05	2.41948E-05	5.06985E-05	0.000125568
6.55252E-05	1.64149E-05	5.4766E-05	0.000131905	6.06844E-05	6.45823E-05	2.61256E-05	5.4766E-05	0.000138401
7.08727E-05	1.84745E-05	5.9864E-05	0.000145071	6.58746E-05	7.00337E-05	2.90001E-05	5.9864E-05	0.000152492
7.59889E-05	2.11238E-05	6.35501E-05	0.000156375	7.03317E-05	7.4733E-05	3.13105E-05	6.35501E-05	0.000164713
7.63953E-05	2.41509E-05	6.40182E-05	0.000208584	7.06847E-05	7.50034E-05	3.23952E-05	6.40182E-05	0.000212649
7.38132E-05	2.52657E-05	6.28976E-05	0.000212449	6.86764E-05	7.2778E-05	3.23116E-05	6.28976E-05	0.00021689
7.4228E-05	2.61253E-05	6.31907E-05	0.000215722	6.9016E-05	7.30901E-05	3.28952E-05	6.31907E-05	0.000220366
7.51033E-05	2.72068E-05	6.36108E-05	0.000216545	6.96733E-05	7.37501E-05	3.35284E-05	6.36108E-05	0.000221229
7.562E-05	2.78901E-05	6.31167E-05	0.000216764	6.9756E-05	7.38573E-05	3.33938E-05	6.31167E-05	0.000221449
7.52576E-05	2.72873E-05	6.30824E-05	0.000210885	6.95457E-05	7.36524E-05	3.31363E-05	6.30824E-05	0.000216462
7.66017E-05	2.75126E-05	6.46294E-05	0.000208083	7.09679E-05	7.51523E-05	3.38692E-05	6.46294E-05	0.000213455
7.88168E-05	2.71242E-05	6.70696E-05	0.000198835	7.32898E-05	7.7662E-05	3.45263E-05	6.70696E-05	0.000203549
8.49377E-05	2.79995E-05	7.27374E-05	0.000192814	7.92067E-05	8.39926E-05	3.6775E-05	7.27374E-05	0.000195781
8.96076E-05	2.94009E-05	7.66316E-05	0.000180909	8.35227E-05	8.85856E-05	3.86352E-05	7.66316E-05	0.000183047
9.21043E-05	3.05874E-05	7.85247E-05	0.000172346	8.57396E-05	9.09251E-05	3.97649E-05	7.85247E-05	0.000173905
9.7941E-05	3.57422E-05	8.22775E-05	0.00016771	9.05748E-05	9.5896E-05	4.3398E-05	8.22775E-05	0.000168972
0.000105446	4.42045E-05	8.61643E-05	0.000152113	9.63523E-05	0.000101746	4.85301E-05	8.61643E-05	0.000154934
0.000106773	4.80268E-05	8.5893E-05	0.000137233	9.69107E-05	0.00010218	5.01893E-05	8.5893E-05	0.000141515
0.000105426	4.73618E-05	8.2493E-05	0.000124682	9.47294E-05	9.99076E-05	4.88196E-05	8.2493E-05	0.000129403
9.83242E-05	4.2512E-05	7.52094E-05	0.000113439	8.76777E-05	9.25711E-05	4.42932E-05	7.52094E-05	0.000118551
8.57734E-05	3.54261E-05	6.59518E-05	0.00010898	7.66732E-05	8.10233E-05	3.81053E-05	6.59518E-05	0.000113786
7.44418E-05	2.72795E-05	5.7848E-05	0.000106591	6.68948E-05	7.08738E-05	3.16164E-05	5.7848E-05	0.000111238
6.45124E-05	1.98394E-05	5.12098E-05	0.000109017	5.8525E-05	6.21847E-05	2.60777E-05	5.12098E-05	0.000113847
6.12591E-05	1.66299E-05	4.91685E-05	0.000111521	5.58607E-05	5.94678E-05	2.38803E-05	4.91685E-05	0.000116547
6.20587E-05	1.58586E-05	5.06985E-05	0.000119927	5.69839E-05	6.06822E-05	2.41948E-05	5.06985E-05	0.000125568
6.55252E-05	1.64149E-05	5.4766E-05	0.000131905	6.06844E-05	6.45823E-05	2.61256E-05	5.4766E-05	0.000138401
7.08727E-05	1.84745E-05	5.9864E-05	0.000145071	6.58746E-05	7.00337E-05	2.90001E-05	5.9864E-05	0.000152492
7.59889E-05	2.11238E-05	6.35501E-05	0.000156375	7.03317E-05	7.4733E-05	3.13105E-05	6.35501E-05	0.000164713
7.63953E-05	2.41509E-05	6.40182E-05	0.000208584	7.06847E-05	7.50034E-05	3.23952E-05	6.40182E-05	0.000212649
7.38132E-05	2.52657E-05	6.28976E-05	0.000212449	6.86764E-05	7.2778E-05	3.23116E-05	6.28976E-05	0.00021689
7.4228E-05	2.61253E-05	6.31907E-05	0.000215722	6.9016E-05	7.30901E-05	3.28952E-05	6.31907E-05	0.000220366
7.51033E-05	2.72068E-05	6.36108E-05	0.000216545	6.96733E-05	7.37501E-05	3.35284E-05	6.36108E-05	0.000221229
7.562E-05	2.78901E-05	6.31167E-05	0.000216764	6.9756E-05	7.38573E-05	3.33938E-05	6.31167E-05	0.000221449
7.52576E-05	2.72873E-05	6.30824E-05	0.000210885	6.95457E-05	7.36524E-05	3.31363E-05	6.30824E-05	0.000216462
7.66017E-05	2.75126E-05	6.46294E-05	0.000208083	7.09679E-05	7.51523E-05	3.38692E-05	6.46294E-05	0.000213455
7.88168E-05	2.71242E-05	6.70696E-05	0.000198835	7.32898E-05	7.7662E-05	3.45263E-05	6.70696E-05	0.000203549
8.49377E-05	2.79995E-05	7.27374E-05	0.000192814	7.92067E-05	8.39926E-05	3.6775E-05	7.27374E-05	0.000195781
8.96076E-05	2.94009E-05	7.66316E-05	0.000180909	8.35227E-05	8.85856E-05	3.86352E-05	7.66316E-05	0.000183047
9.21043E-05	3.05874E-05	7.85247E-05	0.000172346	8.57396E-05	9.09251E-05	3.97649E-05	7.85247E-05	0.000173905
9.7941E-05	3.57422E-05	8.22775E-05	0.00016771	9.05748E-05	9.5896E-05	4.3398E-05	8.22775E-05	0.000168972
0.000105446	4.42045E-05	8.61643E-05	0.000152113	9.63523E-05	0.000101746	4.85301E-05	8.61643E-05	0.000154934
0.000106773	4.80268E-05	8.5893E-05	0.000137233	9.69107E-05	0.00010218	5.01893E-05	8.5893E-05	0.000141515
0.000105426	4.73618E-05	8.2493E-05	0.000124682	9.47294E-05	9.99076E-05	4.88196E-05	8.2493E-05	0.000129403
9.83242E-05	4.2512E-05	7.52094E-05	0.000113439	8.76777E-05	9.25711E-05	4.42932E-05	7.52094E-05	0.000118551
8.57734E-05	3.54261E-05	6.59518E-05	0.00010898	7.66732E-05	8.10233E-05	3.81053E-05	6.59518E-05	0.000113786
7.44418E-05	2.72795E-05	5.7848E-05	0.000106591	6.68948E-05	7.08738E-05	3.16164E-05	5.7848E-05	0.000111238
6.45124E-05	1.98394E-05	5.12098E-05	0.000109017	5.8525E-05	6.21847E-05	2.60777E-05	5.12098E-05	0.000113847
6.12591E-05	1.66299E-05	4.91685E-05	0.000111521	5.58607E-05	5.94678E-05	2.38803E-05	4.91685E-05	0.000116547
6.20587E-05	1.58586E-05	5.06985E-05	0.000119927	5.69839E-05	6.06822E-05	2.41948E-05	5.06985E-05	0.000125568
6.55252E-05	1.64149E-05	5.4766E-05	0.000131905	6.06844E-05	6.45823E-05	2.61256E-05	5.4766E-05	0.000138401
7.08727E-05	1.84745E-05	5.9864E-05	0.000145071	6.58746E-05	7.00337E-05	2.90001E-05	5.9864E-05	0.000152492
7.59889E-05	2.11238E-05	6.35501E-05	0.000156375	7.03317E-05	7.4733E-05	3.13105E-05	6.35501E-05	0.000164713
7.63953E-05	2.41509E-05	6.40182E-05	0.000208584	7.06847E-05	7.50034E-05	3.23952E-05	6.40182E-05	0.000212649

7.38132E-05	2.52657E-05	6.28976E-05	0.000212449	6.86764E-05	7.2778E-05	3.23116E-05	6.28976E-05	0.00021689
7.4228E-05	2.61253E-05	6.31907E-05	0.000215722	6.9016E-05	7.30901E-05	3.28952E-05	6.31907E-05	0.000220366
7.51033E-05	2.72068E-05	6.36108E-05	0.000216545	6.96733E-05	7.37501E-05	3.35284E-05	6.36108E-05	0.000221229
7.562E-05	2.78901E-05	6.31167E-05	0.000216764	6.9756E-05	7.38573E-05	3.33938E-05	6.31167E-05	0.000221449
7.52576E-05	2.72873E-05	6.30824E-05	0.000210885	6.95457E-05	7.36524E-05	3.31363E-05	6.30824E-05	0.000216462
7.66017E-05	2.75126E-05	6.46294E-05	0.000208083	7.09679E-05	7.51523E-05	3.38692E-05	6.46294E-05	0.000213455
7.88168E-05	2.71242E-05	6.70696E-05	0.000198835	7.32898E-05	7.7662E-05	3.45263E-05	6.70696E-05	0.000203549
8.49377E-05	2.79995E-05	7.27374E-05	0.000192814	7.92067E-05	8.39926E-05	3.6775E-05	7.27374E-05	0.000195781
8.96076E-05	2.94009E-05	7.66316E-05	0.000180909	8.35227E-05	8.85856E-05	3.86352E-05	7.66316E-05	0.000183047
9.21043E-05	3.05874E-05	7.85247E-05	0.000172346	8.57396E-05	9.09251E-05	3.97649E-05	7.85247E-05	0.000173905
9.7941E-05	3.57422E-05	8.22775E-05	0.00016771	9.05748E-05	9.5896E-05	4.3398E-05	8.22775E-05	0.000168972
0.000105446	4.42045E-05	8.61643E-05	0.000152113	9.63523E-05	0.000101746	4.85301E-05	8.61643E-05	0.000154934
0.000106773	4.80268E-05	8.5893E-05	0.000137233	9.69107E-05	0.00010218	5.01893E-05	8.5893E-05	0.000141515
0.000105426	4.73618E-05	8.2493E-05	0.000124682	9.47294E-05	9.99076E-05	4.88196E-05	8.2493E-05	0.000129403
9.83242E-05	4.2512E-05	7.52094E-05	0.000113439	8.76777E-05	9.25711E-05	4.42932E-05	7.52094E-05	0.000118551
8.57734E-05	3.54261E-05	6.59518E-05	0.00010898	7.66732E-05	8.10233E-05	3.81053E-05	6.59518E-05	0.000113786
7.44418E-05	2.72795E-05	5.7848E-05	0.000106591	6.68948E-05	7.08738E-05	3.16164E-05	5.7848E-05	0.000111238
6.45124E-05	1.98394E-05	5.12098E-05	0.000109017	5.8525E-05	6.21847E-05	2.60777E-05	5.12098E-05	0.000113847
6.12591E-05	1.66299E-05	4.91685E-05	0.000111521	5.58607E-05	5.94678E-05	2.38803E-05	4.91685E-05	0.000116547
6.20587E-05	1.58586E-05	5.06985E-05	0.000119927	5.69839E-05	6.06822E-05	2.41948E-05	5.06985E-05	0.000125568
6.55252E-05	1.64149E-05	5.4766E-05	0.000131905	6.06844E-05	6.45823E-05	2.61256E-05	5.4766E-05	0.000138401
7.08727E-05	1.84745E-05	5.9864E-05	0.000145071	6.58746E-05	7.00337E-05	2.90001E-05	5.9864E-05	0.000152492
7.59889E-05	2.11238E-05	6.35501E-05	0.000156375	7.03317E-05	7.4733E-05	3.13105E-05	6.35501E-05	0.000164713
7.63953E-05	2.41509E-05	6.40182E-05	0.000208584	7.06847E-05	7.50034E-05	3.23952E-05	6.40182E-05	0.000212649
7.38132E-05	2.52657E-05	6.28976E-05	0.000212449	6.86764E-05	7.2778E-05	3.23116E-05	6.28976E-05	0.00021689
7.4228E-05	2.61253E-05	6.31907E-05	0.000215722	6.9016E-05	7.30901E-05	3.28952E-05	6.31907E-05	0.000220366
7.51033E-05	2.72068E-05	6.36108E-05	0.000216545	6.96733E-05	7.37501E-05	3.35284E-05	6.36108E-05	0.000221229
7.562E-05	2.78901E-05	6.31167E-05	0.000216764	6.9756E-05	7.38573E-05	3.33938E-05	6.31167E-05	0.000221449
7.52576E-05	2.72873E-05	6.30824E-05	0.000210885	6.95457E-05	7.36524E-05	3.31363E-05	6.30824E-05	0.000216462
7.66017E-05	2.75126E-05	6.46294E-05	0.000208083	7.09679E-05	7.51523E-05	3.38692E-05	6.46294E-05	0.000213455
7.88168E-05	2.71242E-05	6.70696E-05	0.000198835	7.32898E-05	7.7662E-05	3.45263E-05	6.70696E-05	0.000203549
8.49377E-05	2.79995E-05	7.27374E-05	0.000192814	7.92067E-05	8.39926E-05	3.6775E-05	7.27374E-05	0.000195781
8.96076E-05	2.94009E-05	7.66316E-05	0.000180909	8.35227E-05	8.85856E-05	3.86352E-05	7.66316E-05	0.000183047
9.21043E-05	3.05874E-05	7.85247E-05	0.000172346	8.57396E-05	9.09251E-05	3.97649E-05	7.85247E-05	0.000173905
9.7941E-05	3.57422E-05	8.22775E-05	0.00016771	9.05748E-05	9.5896E-05	4.3398E-05	8.22775E-05	0.000168972
0.000105446	4.42045E-05	8.61643E-05	0.000152113	9.63523E-05	0.000101746	4.85301E-05	8.61643E-05	0.000154934
0.000106773	4.80268E-05	8.5893E-05	0.000137233	9.69107E-05	0.00010218	5.01893E-05	8.5893E-05	0.000141515
0.000105426	4.73618E-05	8.2493E-05	0.000124682	9.47294E-05	9.99076E-05	4.88196E-05	8.2493E-05	0.000129403
9.83242E-05	4.2512E-05	7.52094E-05	0.000113439	8.76777E-05	9.25711E-05	4.42932E-05	7.52094E-05	0.000118551
8.57734E-05	3.54261E-05	6.59518E-05	0.00010898	7.66732E-05	8.10233E-05	3.81053E-05	6.59518E-05	0.000113786
7.44418E-05	2.72795E-05	5.7848E-05	0.000106591	6.68948E-05	7.08738E-05	3.16164E-05	5.7848E-05	0.000111238
6.45124E-05	1.98394E-05	5.12098E-05	0.000109017	5.8525E-05	6.21847E-05	2.60777E-05	5.12098E-05	0.000113847
6.12591E-05	1.66299E-05	4.91685E-05	0.000111521	5.58607E-05	5.94678E-05	2.38803E-05	4.91685E-05	0.000116547
6.20587E-05	1.58586E-05	5.06985E-05	0.000119927	5.69839E-05	6.06822E-05	2.41948E-05	5.06985E-05	0.000125568
6.55252E-05	1.64149E-05	5.4766E-05	0.000131905	6.06844E-05	6.45823E-05	2.61256E-05	5.4766E-05	0.000138401
7.08727E-05	1.84745E-05	5.9864E-05	0.000145071	6.58746E-05	7.00337E-05	2.90001E-05	5.9864E-05	0.000152492
7.59889E-05	2.11238E-05	6.35501E-05	0.000156375	7.03317E-05	7.4733E-05	3.13105E-05	6.35501E-05	0.000164713
7.63953E-05	2.41509E-05	6.40182E-05	0.000208584	7.06847E-05	7.50034E-05	3.23952E-05	6.40182E-05	0.000212649
7.38132E-05	2.52657E-05	6.28976E-05	0.000212449	6.86764E-05	7.2778E-05	3.23116E-05	6.28976E-05	0.00021689
7.4228E-05	2.61253E-05	6.31907E-05	0.000215722	6.9016E-05	7.30901E-05	3.28952E-05	6.31907E-05	0.000220366
7.51033E-05	2.72068E-05	6.36108E-05	0.000216545	6.96733E-05	7.37501E-05	3.35284E-05	6.36108E-05	0.000221229
7.562E-05	2.78901E-05	6.31167E-05	0.000216764	6.9756E-05	7.38573E-05	3.33938E-05	6.31167E-05	0.000221449
7.52576E-05	2.72873E-05	6.30824E-05	0.000210885	6.95457E-05	7.36524E-05	3.31363E-05	6.30824E-05	0.000216462
7.66017E-05	2.75126E-05	6.46294E-05	0.000208083	7.09679E-05	7.51523E-05	3.38692E-05	6.46294E-05	0.000213455
7.88168E-05	2.71242E-05	6.70696E-05	0.000198835	7.32898E-05	7.7662E-05	3.45263E-05	6.70696E-05	0.000203549
8.49377E-05	2.79995E-05	7.27374E-05	0.000192814	7.92067E-05	8.39926E-05	3.6775E-05	7.27374E-05	0.000195781
8.96076E-05	2.94009E-05	7.66316E-05	0.000180909	8.35227E-05	8.85856E-05	3.86352E-05	7.66316E-05	0.000183047
9.21043E-05	3.05874E-05	7.85247E-05	0.000172346	8.57396E-05	9.09251E-05	3.97649E-05	7.85247E-05	0.000173905
9.7941E-05	3.57422E-05	8.22775E-05	0.00016771	9.05748E-05	9.5896E-05	4.3398E-05	8.22775E-05	0.000168972
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0.000106773	4.80268E-05	8.5893E-05	0.000137233	9.69107E-05	0.00010218	5.01893E-05	8.5893E-05	0.000141515
0.000105426	4.73618E-05	8.2493E-05	0.000124682	9.47294E-05	9.99076E-05	4.88196E-05	8.2493E-05	0.000129403
9.83242E-05	4.2512E-05	7.52094E-05	0.000113439	8.76777E-05	9.25711E-05	4.42932E-05	7.52094E-05	0.000118551
8.57734E-05	3.54261E-05	6.59518E-05	0.00010898	7.66732E-05	8.10233E-05	3.81053E-05	6.59518E-05	0.000113786
7.44418E-05	2.72795E-05	5.7848E-05	0.000106591	6.68948E-05	7.08738E-05	3.16164E-05	5.7848E-05	0.000111238
6.49447E-05	1.99249E-05	5.16211E-05	0.000108027	5.89467E-05	6.26335E-05	2.62591E-05	5.16211E-05	0.000112778
6.09991E-05	1.65908E-05	4.89765E-05	0.000112222	5.56294E-05	5.92173E-05	2.38188E-05	4.89765E-05	0.0001173
6.21444E-05	1.58804E-05	5.08015E-05	0.000120763	5.70761E-05	6.07787E-05	2.42493E-05	5.08015E-05	0.000126465
6.5856E-05	1.64823E-05	5.50897E-05	0.000132898	6.10106E-05	6.49288E-05	2.62722E-05	5.50897E-05	0.000139467
7.10849E-05	1.85298E-05	6.01259E-05	0.000146513	6.61057E-05	7.0275E-05	2.91408E-05	6.01259E-05	0.000154038
7.63219E-05	2.12017E-05	6.39214E-05	0.000158352	7.06785E-05	7.50978E-05	3.14972E-05	6.39214E-05	0.000166829
7.82957E-05	2.42611E-05	6.44505E-05	0.00021119	7.19761E-05	7.64197E-05	3.25792E-05	6.44505E-05	0.000215438
7.40728E-05	2.53081E-05	6.31045E-05	0.000215329	6.89134E-05	7.30334E-05	3.23861E-05	6.31045E-05	0.000219972
7.44056E-05	2.61465E-05	6.3297E-05	0.000218597	6.91639E-05	7.32524E-05	3.29158E-05	6.3297E-05	0.000223443
7.51628E-05	2.72222E-05	6.36837E-05	0.000219385	6.97379E-05	7.38176E-05	3.35675E-05	6.36837E-05	0.000224266
7.5571E-05	2.78785E-05	6.30617E-05	0.00021952	6.97048E-05	7.38035E-05	3.3366E-05	6.30617E-05	0.000224394

7.49935E-05	2.72372E-05	6.28408E-05	0.00021353	6.9292E-05	7.33816E-05	3.30338E-05	6.28408E-05	0.000219287
7.61097E-05	2.74222E-05	6.41922E-05	0.00021043	7.05004E-05	7.46524E-05	3.36893E-05	6.41922E-05	0.000215963
7.85871E-05	2.70944E-05	6.6921E-05	0.000200833	7.30939E-05	7.74481E-05	3.44901E-05	6.6921E-05	0.000205679
8.52814E-05	2.8075E-05	7.30982E-05	0.000194611	7.95556E-05	8.43613E-05	3.69483E-05	7.30982E-05	0.000197695
9.09055E-05	2.96361E-05	7.77704E-05	0.000182778	8.475E-05	8.98992E-05	3.90974E-05	7.77704E-05	0.00018504
9.34535E-05	3.08377E-05	7.97345E-05	0.000174068	8.7026E-05	9.22999E-05	4.02676E-05	7.97345E-05	0.000175741
9.92451E-05	3.59815E-05	8.34354E-05	0.000169286	9.18135E-05	9.72207E-05	4.3874E-05	8.34354E-05	0.000170654
0.000106644	4.44208E-05	8.72116E-05	0.000153908	9.74834E-05	0.000102957	4.89534E-05	8.72116E-05	0.000156852
0.000107917	4.82362E-05	8.69058E-05	0.000138925	9.79967E-05	0.000103342	5.06041E-05	8.69058E-05	0.000143322
0.000104828	4.75001E-05	8.326E-05	0.000126336	9.46922E-05	9.98292E-05	4.9148E-05	8.326E-05	0.000131167
9.9113E-05	4.26567E-05	7.59095E-05	0.000114993	8.84268E-05	9.33723E-05	4.45808E-05	7.59095E-05	0.000120208
8.62625E-05	3.55188E-05	6.63996E-05	0.000110396	7.71432E-05	8.15249E-05	3.82954E-05	6.63996E-05	0.000115294
7.48496E-05	2.73565E-05	5.82198E-05	0.000107846	6.7286E-05	7.12915E-05	3.17736E-05	5.82198E-05	0.000112575
6.49447E-05	1.99249E-05	5.16211E-05	0.000108027	5.89467E-05	6.26335E-05	2.62591E-05	5.16211E-05	0.000112778
6.09991E-05	1.65908E-05	4.89765E-05	0.000112222	5.56294E-05	5.92173E-05	2.38188E-05	4.89765E-05	0.0001173
6.21444E-05	1.58804E-05	5.08015E-05	0.000120763	5.70761E-05	6.07787E-05	2.42493E-05	5.08015E-05	0.000126465
6.5856E-05	1.64823E-05	5.50897E-05	0.000132898	6.10106E-05	6.49288E-05	2.62722E-05	5.50897E-05	0.000139467
7.10849E-05	1.85298E-05	6.01259E-05	0.000146513	6.61057E-05	7.0275E-05	2.91408E-05	6.01259E-05	0.000154038
7.63219E-05	2.12017E-05	6.39214E-05	0.000158352	7.06785E-05	7.50978E-05	3.14972E-05	6.39214E-05	0.000166829
7.82957E-05	2.42611E-05	6.44505E-05	0.00021119	7.19761E-05	7.64197E-05	3.25792E-05	6.44505E-05	0.000215438
7.40728E-05	2.53081E-05	6.31045E-05	0.000215329	6.89134E-05	7.30334E-05	3.23861E-05	6.31045E-05	0.000219972
7.44056E-05	2.61465E-05	6.3297E-05	0.000218597	6.91639E-05	7.32524E-05	3.29158E-05	6.3297E-05	0.000223443
7.51628E-05	2.72222E-05	6.36837E-05	0.000219385	6.97379E-05	7.38176E-05	3.35675E-05	6.36837E-05	0.000224266
7.5571E-05	2.78785E-05	6.30617E-05	0.00021952	6.97048E-05	7.38035E-05	3.3366E-05	6.30617E-05	0.000224394
7.49935E-05	2.72372E-05	6.28408E-05	0.00021353	6.9292E-05	7.33816E-05	3.30338E-05	6.28408E-05	0.000219287
7.61097E-05	2.74222E-05	6.41922E-05	0.00021043	7.05004E-05	7.46524E-05	3.36893E-05	6.41922E-05	0.000215963
7.85871E-05	2.70944E-05	6.6921E-05	0.000200833	7.30939E-05	7.74481E-05	3.44901E-05	6.6921E-05	0.000205679
8.52814E-05	2.8075E-05	7.30982E-05	0.000194611	7.95556E-05	8.43613E-05	3.69483E-05	7.30982E-05	0.000197695
9.09055E-05	2.96361E-05	7.77704E-05	0.000182778	8.475E-05	8.98992E-05	3.90974E-05	7.77704E-05	0.00018504
9.34535E-05	3.08377E-05	7.97345E-05	0.000174068	8.7026E-05	9.22999E-05	4.02676E-05	7.97345E-05	0.000175741
9.92451E-05	3.59815E-05	8.34354E-05	0.000169286	9.18135E-05	9.72207E-05	4.3874E-05	8.34354E-05	0.000170654
0.000106644	4.44208E-05	8.72116E-05	0.000153908	9.74834E-05	0.000102957	4.89534E-05	8.72116E-05	0.000156852
0.000107917	4.82362E-05	8.69058E-05	0.000138925	9.79967E-05	0.000103342	5.06041E-05	8.69058E-05	0.000143322
0.000104828	4.75001E-05	8.326E-05	0.000126336	9.46922E-05	9.98292E-05	4.9148E-05	8.326E-05	0.000131167
9.9113E-05	4.26567E-05	7.59095E-05	0.000114993	8.84268E-05	9.33723E-05	4.45808E-05	7.59095E-05	0.000120208
8.62625E-05	3.55188E-05	6.63996E-05	0.000110396	7.71432E-05	8.15249E-05	3.82954E-05	6.63996E-05	0.000115294
7.48496E-05	2.73565E-05	5.82198E-05	0.000107846	6.7286E-05	7.12915E-05	3.17736E-05	5.82198E-05	0.000112575
6.49447E-05	1.99249E-05	5.16211E-05	0.000108027	5.89467E-05	6.26335E-05	2.62591E-05	5.16211E-05	0.000112778
6.09991E-05	1.65908E-05	4.89765E-05	0.000112222	5.56294E-05	5.92173E-05	2.38188E-05	4.89765E-05	0.0001173
6.21444E-05	1.58804E-05	5.08015E-05	0.000120763	5.70761E-05	6.07787E-05	2.42493E-05	5.08015E-05	0.000126465
6.5856E-05	1.64823E-05	5.50897E-05	0.000132898	6.10106E-05	6.49288E-05	2.62722E-05	5.50897E-05	0.000139467
7.10849E-05	1.85298E-05	6.01259E-05	0.000146513	6.61057E-05	7.0275E-05	2.91408E-05	6.01259E-05	0.000154038
7.63219E-05	2.12017E-05	6.39214E-05	0.000158352	7.06785E-05	7.50978E-05	3.14972E-05	6.39214E-05	0.000166829
7.82957E-05	2.42611E-05	6.44505E-05	0.00021119	7.19761E-05	7.64197E-05	3.25792E-05	6.44505E-05	0.000215438
7.40728E-05	2.53081E-05	6.31045E-05	0.000215329	6.89134E-05	7.30334E-05	3.23861E-05	6.31045E-05	0.000219972
7.44056E-05	2.61465E-05	6.3297E-05	0.000218597	6.91639E-05	7.32524E-05	3.29158E-05	6.3297E-05	0.000223443
7.51628E-05	2.72222E-05	6.36837E-05	0.000219385	6.97379E-05	7.38176E-05	3.35675E-05	6.36837E-05	0.000224266
7.5571E-05	2.78785E-05	6.30617E-05	0.00021952	6.97048E-05	7.38035E-05	3.3366E-05	6.30617E-05	0.000224394
7.49935E-05	2.72372E-05	6.28408E-05	0.00021353	6.9292E-05	7.33816E-05	3.30338E-05	6.28408E-05	0.000219287
7.61097E-05	2.74222E-05	6.41922E-05	0.00021043	7.05004E-05	7.46524E-05	3.36893E-05	6.41922E-05	0.000215963
7.85871E-05	2.70944E-05	6.6921E-05	0.000200833	7.30939E-05	7.74481E-05	3.44901E-05	6.6921E-05	0.000205679
8.52814E-05	2.8075E-05	7.30982E-05	0.000194611	7.95556E-05	8.43613E-05	3.69483E-05	7.30982E-05	0.000197695
9.09055E-05	2.96361E-05	7.77704E-05	0.000182778	8.475E-05	8.98992E-05	3.90974E-05	7.77704E-05	0.00018504
9.34535E-05	3.08377E-05	7.97345E-05	0.000174068	8.7026E-05	9.22999E-05	4.02676E-05	7.97345E-05	0.000175741
9.92451E-05	3.59815E-05	8.34354E-05	0.000169286	9.18135E-05	9.72207E-05	4.3874E-05	8.34354E-05	0.000170654
0.000106644	4.44208E-05	8.72116E-05	0.000153908	9.74834E-05	0.000102957	4.89534E-05	8.72116E-05	0.000156852
0.000107917	4.82362E-05	8.69058E-05	0.000138925	9.79967E-05	0.000103342	5.06041E-05	8.69058E-05	0.000143322
0.000104828	4.75001E-05	8.326E-05	0.000126336	9.46922E-05	9.98292E-05	4.9148E-05	8.326E-05	0.000131167
9.9113E-05	4.26567E-05	7.59095E-05	0.000114993	8.84268E-05	9.33723E-05	4.45808E-05	7.59095E-05	0.000120208
8.62625E-05	3.55188E-05	6.63996E-05	0.000110396	7.71432E-05	8.15249E-05	3.82954E-05	6.63996E-05	0.000115294
7.48496E-05	2.73565E-05	5.82198E-05	0.000107846	6.7286E-05	7.12915E-05	3.17736E-05	5.82198E-05	0.000112575
6.45124E-05	1.98394E-05	5.12098E-05	0.000109017	5.8525E-05	6.21847E-05	2.60777E-05	5.12098E-05	0.000113847
6.12591E-05	1.66299E-05	4.91685E-05	0.000111521	5.58607E-05	5.94678E-05	2.38803E-05	4.91685E-05	0.000116547
6.20587E-05	1.58586E-05	5.06985E-05	0.000119927	5.69839E-05	6.06822E-05	2.41948E-05	5.06985E-05	0.000125568
6.55252E-05	1.64149E-05	5.4766E-05	0.000131905	6.06844E-05	6.45823E-05	2.61256E-05	5.4766E-05	0.000138401
7.08727E-05	1.84745E-05	5.9864E-05	0.000145071	6.58746E-05	7.00337E-05	2.90001E-05	5.9864E-05	0.000152492
7.59889E-05	2.11238E-05	6.35501E-05	0.000156375	7.03317E-05	7.4733E-05	3.13105E-05	6.35501E-05	0.000164713
7.63953E-05	2.41509E-05	6.40182E-05	0.000208584	7.06847E-05	7.50034E-05	3.23952E-05	6.40182E-05	0.000212649
7.38132E-05	2.52657E-05	6.28976E-05	0.000212449	6.86764E-05	7.2778E-05	3.23116E-05	6.28976E-05	0.00021689
7.4228E-05	2.61253E-05	6.31907E-05	0.000215722	6.9016E-05	7.30901E-05	3.28952E-05	6.31907E-05	0.000220366
7.51033E-05	2.72068E-05	6.36108E-05	0.000216545	6.96733E-05	7.37501E-05	3.35284E-05	6.36108E-05	0.000221229
7.562E-05	2.78901E-05	6.31167E-05	0.000216764	6.9756E-05	7.38573E-05	3.33938E-05	6.31167E-05	0.000221449
7.52576E-05	2.72873E-05	6.30824E-05	0.000210885	6.95457E-05	7.36524E-05	3.31363E-05	6.30824E-05	0.000216462
7.66017E-05	2.75126E-05	6.46294E-05	0.000208083	7.09679E-05	7.51523E-05	3.38692E-05	6.46294E-05	0.000213455
7.88168E-05	2.71242E-05	6.70696E-05	0.000198835	7.32898E-05	7.7662E-05	3.45263E-05	6.70696E-05	0.000203549
8.49377E-05	2.79995E-05	7.27374E-05	0.000192814	7.92067E-05	8.39926E-05	3.6775E-05	7.27374E-05	0.000195781

8.96076E-05	2.94009E-05	7.66316E-05	0.000180909	8.35227E-05	8.85856E-05	3.86352E-05	7.66316E-05	0.000183047
9.21043E-05	3.05874E-05	7.85247E-05	0.000172346	8.57396E-05	9.09251E-05	3.97649E-05	7.85247E-05	0.000173905
9.7941E-05	3.57422E-05	8.22775E-05	0.00016771	9.05748E-05	9.5896E-05	4.3398E-05	8.22775E-05	0.000168972
0.000105446	4.42045E-05	8.61643E-05	0.000152113	9.63523E-05	0.000101746	4.85301E-05	8.61643E-05	0.000154934
0.000106773	4.80268E-05	8.5893E-05	0.000137233	9.69107E-05	0.00010218	5.01893E-05	8.5893E-05	0.000141515
0.000105426	4.73618E-05	8.2493E-05	0.000124682	9.47294E-05	9.99076E-05	4.88196E-05	8.2493E-05	0.000129403
9.83242E-05	4.2512E-05	7.52094E-05	0.000113439	8.76777E-05	9.25711E-05	4.42932E-05	7.52094E-05	0.000118551
8.57734E-05	3.54261E-05	6.59518E-05	0.00010898	7.66732E-05	8.10233E-05	3.81053E-05	6.59518E-05	0.000113786
7.44418E-05	2.72795E-05	5.7848E-05	0.000106591	6.68948E-05	7.08738E-05	3.16164E-05	5.7848E-05	0.000111238
0.000106826	0.000225699	0.000122157	0.000119916	0.000114825	0.000105189	0.000200252	0.000122157	0.00012525
0.000100549	0.000212369	0.000115893	0.000123238	0.000108494	9.93843E-05	0.000189256	0.000115893	0.000128815
9.60863E-05	0.000201793	0.000110808	0.000131977	0.000103645	9.502E-05	0.000180115	0.000110808	0.000138178
9.58076E-05	0.000200277	0.000110495	0.00014475	0.000103272	9.47474E-05	0.000178853	0.000110495	0.00015186
0.000103451	0.000217443	0.000119544	0.000158199	0.000111634	0.000102347	0.000193972	0.000119544	0.000166257
0.000114269	0.000241803	0.000132101	0.000166577	0.000123373	0.00011301	0.000215252	0.000132101	0.000175312
0.000124132	0.00026982	0.000146124	0.000215532	0.000135158	0.000123399	0.000239412	0.000146124	0.000219753
0.000125208	0.000276998	0.000149831	0.000219276	0.000137271	0.000125081	0.000245354	0.000149831	0.000223848
0.000127676	0.000281572	0.00015236	0.00022265	0.000139731	0.000127386	0.000249182	0.00015236	0.000227426
0.000136422	0.00030219	0.000162929	0.000224771	0.000149468	0.000136164	0.000267421	0.000162929	0.000229677
0.000149505	0.000333618	0.000179194	0.000228492	0.000164266	0.000149465	0.000295489	0.000179194	0.000233643
0.000165956	0.000373576	0.000200566	0.000223273	0.000183282	0.000166534	0.00033177	0.000200566	0.000229362
0.000172652	0.00038939	0.000209126	0.000222498	0.000190928	0.000173429	0.000346076	0.000209126	0.000228541
0.000174268	0.000393077	0.000211642	0.000214712	0.000192944	0.00017526	0.000349732	0.000211642	0.000220201
0.00017333	0.000389176	0.000210375	0.000208562	0.000191704	0.000174266	0.000346313	0.000210375	0.000212332
0.000187769	0.000423389	0.00022841	0.000195937	0.00020803	0.000188976	0.000376966	0.00022841	0.000198839
0.000196275	0.000443265	0.000238756	0.000187902	0.000217512	0.000197538	0.000394607	0.000238756	0.000190266
0.000192332	0.000429619	0.000230783	0.000183745	0.000211462	0.000192377	0.000380662	0.000230783	0.000185848
0.00018636	0.000409554	0.000218236	0.000167872	0.000202157	0.000184387	0.000359709	0.000218236	0.000171525
0.000177496	0.000385436	0.000204441	0.00015163	0.000190773	0.000174336	0.000336504	0.000204441	0.000156652
0.000170805	0.000364592	0.000192795	0.000138196	0.000181907	0.000166588	0.000317717	0.000192795	0.000143596
0.000155312	0.000324594	0.000172019	0.000125945	0.000163983	0.00015057	0.000282898	0.000172019	0.000131667
0.000136752	0.000286075	0.000151975	0.000120692	0.000144723	0.000132841	0.00025007	0.000151975	0.000126052
0.000123682	0.000260013	0.000139529	0.00011585	0.000131924	0.00012098	0.000228955	0.000139529	0.000120888
0.000106826	0.000225699	0.000122157	0.000119916	0.000114825	0.000105189	0.000200252	0.000122157	0.00012525
0.000100549	0.000212369	0.000115893	0.000123238	0.000108494	9.93843E-05	0.000189256	0.000115893	0.000128815
9.60863E-05	0.000201793	0.000110808	0.000131977	0.000103645	9.502E-05	0.000180115	0.000110808	0.000138178
9.58076E-05	0.000200277	0.000110495	0.00014475	0.000103272	9.47474E-05	0.000178853	0.000110495	0.00015186
0.000103451	0.000217443	0.000119544	0.000158199	0.000111634	0.000102347	0.000193972	0.000119544	0.000166257
0.000114269	0.000241803	0.000132101	0.000166577	0.000123373	0.00011301	0.000215252	0.000132101	0.000175312
0.000124132	0.00026982	0.000146124	0.000215532	0.000135158	0.000123399	0.000239412	0.000146124	0.000219753
0.000125208	0.000276998	0.000149831	0.000219276	0.000137271	0.000125081	0.000245354	0.000149831	0.000223848
0.000127676	0.000281572	0.00015236	0.00022265	0.000139731	0.000127386	0.000249182	0.00015236	0.000227426
0.000136422	0.00030219	0.000162929	0.000224771	0.000149468	0.000136164	0.000267421	0.000162929	0.000229677
0.000149505	0.000333618	0.000179194	0.000228492	0.000164266	0.000149465	0.000295489	0.000179194	0.000233643
0.000165956	0.000373576	0.000200566	0.000223273	0.000183282	0.000166534	0.00033177	0.000200566	0.000229362
0.000172652	0.00038939	0.000209126	0.000222498	0.000190928	0.000173429	0.000346076	0.000209126	0.000228541
0.000174268	0.000393077	0.000211642	0.000214712	0.000192944	0.00017526	0.000349732	0.000211642	0.000220201
0.00017333	0.000389176	0.000210375	0.000208562	0.000191704	0.000174266	0.000346313	0.000210375	0.000212332
0.000187769	0.000423389	0.00022841	0.000195937	0.00020803	0.000188976	0.000376966	0.00022841	0.000198839
0.000196275	0.000443265	0.000238756	0.000187902	0.000217512	0.000197538	0.000394607	0.000238756	0.000190266
0.000192332	0.000429619	0.000230783	0.000183745	0.000211462	0.000192377	0.000380662	0.000230783	0.000185848
0.00018636	0.000409554	0.000218236	0.000167872	0.000202157	0.000184387	0.000359709	0.000218236	0.000171525
0.000177496	0.000385436	0.000204441	0.00015163	0.000190773	0.000174336	0.000336504	0.000204441	0.000156652
0.000170805	0.000364592	0.000192795	0.000138196	0.000181907	0.000166588	0.000317717	0.000192795	0.000143596
0.000155312	0.000324594	0.000172019	0.000125945	0.000163983	0.00015057	0.000282898	0.000172019	0.000131667
0.000136752	0.000286075	0.000151975	0.000120692	0.000144723	0.000132841	0.00025007	0.000151975	0.000126052
0.000123682	0.000260013	0.000139529	0.00011585	0.000131924	0.00012098	0.000228955	0.000139529	0.000120888
0.000106826	0.000225699	0.000122157	0.000119916	0.000114825	0.000105189	0.000200252	0.000122157	0.00012525
0.000100549	0.000212369	0.000115893	0.000123238	0.000108494	9.93843E-05	0.000189256	0.000115893	0.000128815
9.60863E-05	0.000201793	0.000110808	0.000131977	0.000103645	9.502E-05	0.000180115	0.000110808	0.000138178
9.58076E-05	0.000200277	0.000110495	0.00014475	0.000103272	9.47474E-05	0.000178853	0.000110495	0.00015186
0.000103451	0.000217443	0.000119544	0.000158199	0.000111634	0.000102347	0.000193972	0.000119544	0.000166257
0.000114269	0.000241803	0.000132101	0.000166577	0.000123373	0.00011301	0.000215252	0.000132101	0.000175312
0.000124132	0.00026982	0.000146124	0.000215532	0.000135158	0.000123399	0.000239412	0.000146124	0.000219753
0.000125208	0.000276998	0.000149831	0.000219276	0.000137271	0.000125081	0.000245354	0.000149831	0.000223848
0.000127676	0.000281572	0.00015236	0.00022265	0.000139731	0.000127386	0.000249182	0.00015236	0.000227426
0.000136422	0.00030219	0.000162929	0.000224771	0.000149468	0.000136164	0.000267421	0.000162929	0.000229677
0.000149505	0.000333618	0.000179194	0.000228492	0.000164266	0.000149465	0.000295489	0.000179194	0.000233643
0.000165956	0.000373576	0.000200566	0.000223273	0.000183282	0.000166534	0.00033177	0.000200566	0.000229362
0.000172652	0.00038939	0.000209126	0.000222498	0.000190928	0.000173429	0.000346076	0.000209126	0.000228541
0.000174268	0.000393077	0.000211642	0.000214712	0.000192944	0.00017526	0.000349732	0.000211642	0.000220201
0.00017333	0.000389176	0.000210375	0.000208562	0.000191704	0.000174266	0.000346313	0.000210375	0.000212332
0.000187769	0.000423389	0.00022841	0.000195937	0.00020803	0.000188976	0.000376966	0.00022841	0.000198839
0.000196275	0.000443265	0.000238756	0.000187902	0.000217512	0.000197538	0.000394607	0.000238756	0.000190266
0.000192332	0.000429619	0.000230783	0.000183745	0.000211462	0.000192377	0.000380662	0.000230783	0.000185848
0.00018636	0.000409554	0.000218236	0.000167872	0.000202157	0.000184387	0.000359709	0.000218236	0.000171525

0.000177496	0.000385436	0.000204441	0.00015163	0.000190773	0.000174336	0.000336504	0.000204441	0.000156652
0.000170805	0.000364592	0.000192795	0.000138196	0.000181907	0.000166588	0.000317717	0.000192795	0.000143596
0.000155312	0.000324594	0.000172019	0.000125945	0.000163983	0.00015057	0.000282898	0.000172019	0.000131667
0.000136752	0.000286075	0.000151975	0.000120692	0.000144723	0.000132841	0.00025007	0.000151975	0.000126052
0.000123682	0.000260013	0.000139529	0.00011585	0.000131924	0.00012098	0.000228955	0.000139529	0.000120888
0.000107013	0.000226232	0.000122407	0.000119887	0.00011505	0.000105386	0.000200734	0.000122407	0.000125218
0.000100629	0.000212622	0.000116003	0.000123147	0.000108594	9.94698E-05	0.000189484	0.000116003	0.000128717
9.61459E-05	0.00020197	0.000110889	0.000131807	0.000103718	9.50831E-05	0.000180275	0.000110889	0.000137994
9.5769E-05	0.000200225	0.000110451	0.000144629	0.000103234	9.471E-05	0.000178806	0.000110451	0.00015173
0.000103321	0.000217173	0.000119384	0.000157982	0.000111492	0.000102216	0.000193729	0.000119384	0.000166022
0.000113891	0.000240846	0.000131611	0.000166313	0.000122933	0.000112618	0.000214388	0.000131611	0.000175024
0.000125633	0.000269641	0.000146142	0.000215354	0.000136041	0.000124399	0.000239258	0.000146142	0.000219557
0.000125108	0.000276739	0.0001497	0.000219107	0.000137154	0.000124976	0.00024512	0.0001497	0.000223659
0.000127738	0.000281776	0.000152448	0.000222549	0.000139811	0.000127454	0.000249367	0.000152448	0.00022731
0.000137339	0.000304456	0.000164108	0.000224772	0.000150526	0.000137111	0.000269466	0.000164108	0.00022967
0.000151014	0.000337265	0.000181122	0.000228737	0.000165995	0.000151019	0.00029878	0.000181122	0.000233897
0.000167651	0.000377546	0.000202714	0.000223522	0.000185207	0.000168272	0.000335352	0.000202714	0.000229621
0.000174232	0.000393049	0.000211122	0.000222663	0.000192717	0.000175047	0.000349377	0.000211122	0.00022871
0.00017707	0.00039967	0.000215198	0.000214792	0.000196132	0.000178136	0.00035568	0.000215198	0.000220278
0.000176114	0.000395689	0.000213903	0.000208554	0.000194866	0.000177121	0.00035219	0.000213903	0.000212314
0.000190824	0.000430508	0.000232277	0.000196235	0.000211496	0.000192108	0.000383389	0.000232277	0.000199149
0.000200001	0.000452074	0.000243491	0.000188209	0.000221757	0.000201364	0.000402555	0.000243491	0.000190586
0.000195856	0.000437961	0.000235262	0.000184167	0.000215477	0.000195997	0.00038819	0.000235262	0.000186293
0.000189433	0.000416868	0.000222147	0.00016824	0.000205664	0.000187545	0.000366309	0.000222147	0.000171913
0.000180104	0.000391639	0.00020776	0.000151967	0.000193749	0.000177016	0.000342102	0.00020776	0.000157006
0.00017149	0.000369949	0.000195555	0.000138392	0.000183514	0.000167833	0.000322543	0.000195555	0.0001438
0.000156991	0.000328627	0.000174161	0.000126151	0.000165904	0.000152298	0.000286538	0.000174161	0.000131882
0.000138345	0.000289965	0.000154016	0.000120824	0.000146555	0.000134483	0.000253581	0.000154016	0.000126187
0.000124976	0.00026298	0.00014116	0.00011607	0.000133384	0.000122303	0.000231632	0.00014116	0.000121119
0.000107013	0.000226232	0.000122407	0.000119887	0.00011505	0.000105386	0.000200734	0.000122407	0.000125218
0.000100629	0.000212622	0.000116003	0.000123147	0.000108594	9.94698E-05	0.000189484	0.000116003	0.000128717
9.61459E-05	0.00020197	0.000110889	0.000131807	0.000103718	9.50831E-05	0.000180275	0.000110889	0.000137994
9.5769E-05	0.000200225	0.000110451	0.000144629	0.000103234	9.471E-05	0.000178806	0.000110451	0.00015173
0.000103321	0.000217173	0.000119384	0.000157982	0.000111492	0.000102216	0.000193729	0.000119384	0.000166022
0.000113891	0.000240846	0.000131611	0.000166313	0.000122933	0.000112618	0.000214388	0.000131611	0.000175024
0.000125633	0.000269641	0.000146142	0.000215354	0.000136041	0.000124399	0.000239258	0.000146142	0.000219557
0.000125108	0.000276739	0.0001497	0.000219107	0.000137154	0.000124976	0.00024512	0.0001497	0.000223659
0.000127738	0.000281776	0.000152448	0.000222549	0.000139811	0.000127454	0.000249367	0.000152448	0.00022731
0.000137339	0.000304456	0.000164108	0.000224772	0.000150526	0.000137111	0.000269466	0.000164108	0.00022967
0.000151014	0.000337265	0.000181122	0.000228737	0.000165995	0.000151019	0.00029878	0.000181122	0.000233897
0.000167651	0.000377546	0.000202714	0.000223522	0.000185207	0.000168272	0.000335352	0.000202714	0.000229621
0.000174232	0.000393049	0.000211122	0.000222663	0.000192717	0.000175047	0.000349377	0.000211122	0.00022871
0.00017707	0.00039967	0.000215198	0.000214792	0.000196132	0.000178136	0.00035568	0.000215198	0.000220278
0.000176114	0.000395689	0.000213903	0.000208554	0.000194866	0.000177121	0.00035219	0.000213903	0.000212314
0.000190824	0.000430508	0.000232277	0.000196235	0.000211496	0.000192108	0.000383389	0.000232277	0.000199149
0.000200001	0.000452074	0.000243491	0.000188209	0.000221757	0.000201364	0.000402555	0.000243491	0.000190586
0.000195856	0.000437961	0.000235262	0.000184167	0.000215477	0.000195997	0.00038819	0.000235262	0.000186293
0.000189433	0.000416868	0.000222147	0.00016824	0.000205664	0.000187545	0.000366309	0.000222147	0.000171913
0.000180104	0.000391639	0.00020776	0.000151967	0.000193749	0.000177016	0.000342102	0.00020776	0.000157006
0.00017149	0.000369949	0.000195555	0.000138392	0.000183514	0.000167833	0.000322543	0.000195555	0.0001438
0.000156991	0.000328627	0.000174161	0.000126151	0.000165904	0.000152298	0.000286538	0.000174161	0.000131882
0.000138345	0.000289965	0.000154016	0.000120824	0.000146555	0.000134483	0.000253581	0.000154016	0.000126187
0.000124976	0.00026298	0.00014116	0.00011607	0.000133384	0.000122303	0.000231632	0.00014116	0.000121119
0.000106826	0.000225699	0.000122157	0.000119916	0.000114825	0.000105189	0.000200252	0.000122157	0.00012525
0.000100549	0.000212369	0.000115893	0.000123238	0.000108494	9.93843E-05	0.000189256	0.000115893	0.000128815
9.60863E-05	0.000201793	0.000110808	0.000131977	0.000103645	9.502E-05	0.000180115	0.000110808	0.000138178
9.58076E-05	0.000200277	0.000110495	0.00014475	0.000103272	9.47474E-05	0.000178853	0.000110495	0.00015186
0.000103451	0.000217443	0.000119544	0.000158199	0.000111634	0.000102347	0.000193972	0.000119544	0.000166257
0.000114269	0.000241803	0.000132101	0.000166577	0.000123373	0.00011301	0.000215252	0.000132101	0.000175312
0.000124132	0.00026982	0.000146124	0.000215532	0.000135158	0.000123399	0.000239412	0.000146124	0.000219753
0.000125208	0.000276998	0.000149831	0.000219276	0.000137271	0.000125081	0.000245354	0.000149831	0.000223848
0.000127676	0.000281572	0.00015236	0.00022265	0.000139731	0.000127386	0.000249182	0.00015236	0.000227426
0.000136422	0.00030219	0.000162929	0.000224771	0.000149468	0.000136164	0.000267421	0.000162929	0.000229677
0.000149505	0.000333618	0.000179194	0.000228492	0.000164266	0.000149465	0.000295489	0.000179194	0.000233643
0.000165956	0.000373576	0.000200566	0.000223273	0.000183282	0.000166534	0.00033177	0.000200566	0.000229362
0.000172652	0.00038939	0.000209126	0.000222498	0.000190928	0.000173429	0.000346076	0.000209126	0.000228541
0.000174268	0.000393077	0.000211642	0.000214712	0.000192944	0.00017526	0.000349732	0.000211642	0.000220201
0.00017333	0.000389176	0.000210375	0.000208562	0.000191704	0.000174266	0.000346313	0.000210375	0.000212332
0.000187769	0.000423389	0.00022841	0.000195937	0.00020803	0.000188976	0.000376966	0.00022841	0.000198839
0.000196275	0.000443265	0.000238756	0.000187902	0.000217512	0.000197538	0.000394607	0.000238756	0.000190266
0.000192332	0.000429619	0.000230783	0.000183745	0.000211462	0.000192377	0.000380662	0.000230783	0.000185848
0.00018636	0.000409554	0.000218236	0.000167872	0.000202157	0.000184387	0.000359709	0.000218236	0.000171525
0.000177496	0.000385436	0.000204441	0.00015163	0.000190773	0.000174336	0.000336504	0.000204441	0.000156652
0.000170805	0.000364592	0.000192795	0.000138196	0.000181907	0.000166588	0.000317717	0.000192795	0.000143596
0.000155312	0.000324594	0.000172019	0.000125945	0.000163983	0.00015057	0.000282898	0.000172019	0.000131667
0.000136752	0.000286075	0.000151975	0.000120692	0.000144723	0.000132841	0.00025007	0.000151975	0.000126052

0.000123682	0.000260013	0.000139529	0.00011585	0.000131924	0.00012098	0.000228955	0.000139529	0.000120888
0.000106826	0.000225699	0.000122157	0.000119916	0.000114825	0.000105189	0.000200252	0.000122157	0.00012525
0.000100549	0.000212369	0.000115893	0.000123238	0.000108494	9.93843E-05	0.000189256	0.000115893	0.000128815
9.60863E-05	0.000201793	0.000110808	0.000131977	0.000103645	9.502E-05	0.000180115	0.000110808	0.000138178
9.58076E-05	0.000200277	0.000110495	0.00014475	0.000103272	9.47474E-05	0.000178853	0.000110495	0.00015186
0.000103451	0.000217443	0.000119544	0.000158199	0.000111634	0.000102347	0.000193972	0.000119544	0.000166257
0.000114269	0.000241803	0.000132101	0.000166577	0.000123373	0.00011301	0.000215252	0.000132101	0.000175312
0.000124132	0.00026982	0.000146124	0.000215532	0.000135158	0.000123399	0.000239412	0.000146124	0.000219753
0.000125208	0.000276998	0.000149831	0.000219276	0.000137271	0.000125081	0.000245354	0.000149831	0.000223848
0.000127676	0.000281572	0.00015236	0.00022265	0.000139731	0.000127386	0.000249182	0.00015236	0.000227426
0.000136422	0.00030219	0.000162929	0.000224771	0.000149468	0.000136164	0.000267421	0.000162929	0.000229677
0.000149505	0.000333618	0.000179194	0.000228492	0.000164266	0.000149465	0.000295489	0.000179194	0.000233643
0.000165956	0.000373576	0.000200566	0.000223273	0.000183282	0.000166534	0.00033177	0.000200566	0.000229362
0.000172652	0.00038939	0.000209126	0.000222498	0.000190928	0.000173429	0.000346076	0.000209126	0.000228541
0.000174268	0.000393077	0.000211642	0.000214712	0.000192944	0.00017526	0.000349732	0.000211642	0.000220201
0.00017333	0.000389176	0.000210375	0.000208562	0.000191704	0.000174266	0.000346313	0.000210375	0.000212332
0.000187769	0.000423389	0.00022841	0.000195937	0.00020803	0.000188976	0.000376966	0.00022841	0.000198839
0.000196275	0.000443265	0.000238756	0.000187902	0.000217512	0.000197538	0.000394607	0.000238756	0.000190266
0.000192332	0.000429619	0.000230783	0.000183745	0.000211462	0.000192377	0.000380662	0.000230783	0.000185848
0.00018636	0.000409554	0.000218236	0.000167872	0.000202157	0.000184387	0.000359709	0.000218236	0.000171525
0.000177496	0.000385436	0.000204441	0.00015163	0.000190773	0.000174336	0.000336504	0.000204441	0.000156652
0.000170805	0.000364592	0.000192795	0.000138196	0.000181907	0.000166588	0.000317717	0.000192795	0.000143596
0.000155312	0.000324594	0.000172019	0.000125945	0.000163983	0.00015057	0.000282898	0.000172019	0.000131667
0.000136752	0.000286075	0.000151975	0.000120692	0.000144723	0.000132841	0.00025007	0.000151975	0.000126052
0.000123682	0.000260013	0.000139529	0.00011585	0.000131924	0.00012098	0.000228955	0.000139529	0.000120888
0.000106826	0.000225699	0.000122157	0.000119916	0.000114825	0.000105189	0.000200252	0.000122157	0.00012525
0.000100549	0.000212369	0.000115893	0.000123238	0.000108494	9.93843E-05	0.000189256	0.000115893	0.000128815
9.60863E-05	0.000201793	0.000110808	0.000131977	0.000103645	9.502E-05	0.000180115	0.000110808	0.000138178
9.58076E-05	0.000200277	0.000110495	0.00014475	0.000103272	9.47474E-05	0.000178853	0.000110495	0.00015186
0.000103451	0.000217443	0.000119544	0.000158199	0.000111634	0.000102347	0.000193972	0.000119544	0.000166257
0.000114269	0.000241803	0.000132101	0.000166577	0.000123373	0.00011301	0.000215252	0.000132101	0.000175312
0.000124132	0.00026982	0.000146124	0.000215532	0.000135158	0.000123399	0.000239412	0.000146124	0.000219753
0.000125208	0.000276998	0.000149831	0.000219276	0.000137271	0.000125081	0.000245354	0.000149831	0.000223848
0.000127676	0.000281572	0.00015236	0.00022265	0.000139731	0.000127386	0.000249182	0.00015236	0.000227426
0.000136422	0.00030219	0.000162929	0.000224771	0.000149468	0.000136164	0.000267421	0.000162929	0.000229677
0.000149505	0.000333618	0.000179194	0.000228492	0.000164266	0.000149465	0.000295489	0.000179194	0.000233643
0.000165956	0.000373576	0.000200566	0.000223273	0.000183282	0.000166534	0.00033177	0.000200566	0.000229362
0.000172652	0.00038939	0.000209126	0.000222498	0.000190928	0.000173429	0.000346076	0.000209126	0.000228541
0.000174268	0.000393077	0.000211642	0.000214712	0.000192944	0.00017526	0.000349732	0.000211642	0.000220201
0.00017333	0.000389176	0.000210375	0.000208562	0.000191704	0.000174266	0.000346313	0.000210375	0.000212332
0.000187769	0.000423389	0.00022841	0.000195937	0.00020803	0.000188976	0.000376966	0.00022841	0.000198839
0.000196275	0.000443265	0.000238756	0.000187902	0.000217512	0.000197538	0.000394607	0.000238756	0.000190266
0.000192332	0.000429619	0.000230783	0.000183745	0.000211462	0.000192377	0.000380662	0.000230783	0.000185848
0.00018636	0.000409554	0.000218236	0.000167872	0.000202157	0.000184387	0.000359709	0.000218236	0.000171525
0.000177496	0.000385436	0.000204441	0.00015163	0.000190773	0.000174336	0.000336504	0.000204441	0.000156652
0.000170805	0.000364592	0.000192795	0.000138196	0.000181907	0.000166588	0.000317717	0.000192795	0.000143596
0.000155312	0.000324594	0.000172019	0.000125945	0.000163983	0.00015057	0.000282898	0.000172019	0.000131667
0.000136752	0.000286075	0.000151975	0.000120692	0.000144723	0.000132841	0.00025007	0.000151975	0.000126052
0.000123682	0.000260013	0.000139529	0.00011585	0.000131924	0.00012098	0.000228955	0.000139529	0.000120888
0.000106826	0.000225699	0.000122157	0.000119916	0.000114825	0.000105189	0.000200252	0.000122157	0.00012525
0.000100549	0.000212369	0.000115893	0.000123238	0.000108494	9.93843E-05	0.000189256	0.000115893	0.000128815
9.60863E-05	0.000201793	0.000110808	0.000131977	0.000103645	9.502E-05	0.000180115	0.000110808	0.000138178

9.58076E-05	0.000200277	0.000110495	0.00014475	0.000103272	9.47474E-05	0.000178853	0.000110495	0.00015186
0.000103451	0.000217443	0.000119544	0.000158199	0.000111634	0.000102347	0.000193972	0.000119544	0.000166257
0.000114269	0.000241803	0.000132101	0.000166577	0.000123373	0.00011301	0.000215252	0.000132101	0.000175312
0.000124132	0.00026982	0.000146124	0.000215532	0.000135158	0.000123399	0.000239412	0.000146124	0.000219753
0.000125208	0.000276998	0.000149831	0.000219276	0.000137271	0.000125081	0.000245354	0.000149831	0.000223848
0.000127676	0.000281572	0.00015236	0.00022265	0.000139731	0.000127386	0.000249182	0.00015236	0.000227426
0.000136422	0.00030219	0.000162929	0.000224771	0.000149468	0.000136164	0.000267421	0.000162929	0.000229677
0.000149505	0.000333618	0.000179194	0.000228492	0.000164266	0.000149465	0.000295489	0.000179194	0.000233643
0.000165956	0.000373576	0.000200566	0.000223273	0.000183282	0.000166534	0.00033177	0.000200566	0.000229362
0.000172652	0.00038939	0.000209126	0.000222498	0.000190928	0.000173429	0.000346076	0.000209126	0.000228541
0.000174268	0.000393077	0.000211642	0.000214712	0.000192944	0.00017526	0.000349732	0.000211642	0.000220201
0.00017333	0.000389176	0.000210375	0.000208562	0.000191704	0.000174266	0.000346313	0.000210375	0.000212332
0.000187769	0.000423389	0.00022841	0.000195937	0.00020803	0.000188976	0.000376966	0.00022841	0.000198839
0.000196275	0.000443265	0.000238756	0.000187902	0.000217512	0.000197538	0.000394607	0.000238756	0.000190266
0.000192332	0.000429619	0.000230783	0.000183745	0.000211462	0.000192377	0.000380662	0.000230783	0.000185848
0.00018636	0.000409554	0.000218236	0.000167872	0.000202157	0.000184387	0.000359709	0.000218236	0.000171525
0.000177496	0.000385436	0.000204441	0.00015163	0.000190773	0.000174336	0.000336504	0.000204441	0.000156652
0.000170805	0.000364592	0.000192795	0.000138196	0.000181907	0.000166588	0.000317717	0.000192795	0.000143596
0.000155312	0.000324594	0.000172019	0.000125945	0.000163983	0.00015057	0.000282898	0.000172019	0.000131667
0.000136752	0.000286075	0.000151975	0.000120692	0.000144723	0.000132841	0.00025007	0.000151975	0.000126052
0.000123682	0.000260013	0.000139529	0.00011585	0.000131924	0.00012098	0.000228955	0.000139529	0.000120888
0.000107013	0.000226232	0.000122407	0.000119887	0.00011505	0.000105386	0.000200734	0.000122407	0.000125218
0.000100629	0.000212622	0.000116003	0.000123147	0.000108594	9.94698E-05	0.000189484	0.000116003	0.000128717
9.61459E-05	0.00020197	0.000110889	0.000131807	0.000103718	9.50831E-05	0.000180275	0.000110889	0.000137994
9.5769E-05	0.000200225	0.000110451	0.000144629	0.000103234	9.471E-05	0.000178806	0.000110451	0.00015173
0.000103321	0.000217173	0.000119384	0.000157982	0.000111492	0.000102216	0.000193729	0.000119384	0.000166022
0.000113891	0.000240846	0.000131611	0.000166313	0.000122933	0.000112618	0.000214388	0.000131611	0.000175024
0.000125633	0.000269641	0.000146142	0.000215354	0.000136041	0.000124399	0.000239258	0.000146142	0.000219557
0.000125108	0.000276739	0.0001497	0.000219107	0.000137154	0.000124976	0.00024512	0.0001497	0.000223659
0.000127738	0.000281776	0.000152448	0.000222549	0.000139811	0.000127454	0.000249367	0.000152448	0.00022731
0.000137339	0.000304456	0.000164108	0.000224772	0.000150526	0.000137111	0.000269466	0.000164108	0.00022967
0.000151014	0.000337265	0.000181122	0.000228737	0.000165995	0.000151019	0.00029878	0.000181122	0.000233897
0.000167651	0.000377546	0.000202714	0.000223522	0.000185207	0.000168272	0.000335352	0.000202714	0.000229621
0.000174232	0.000393049	0.000211122	0.000222663	0.000192717	0.000175047	0.000349377	0.000211122	0.00022871
0.00017707	0.00039967	0.000215198	0.000214792	0.000196132	0.000178136	0.00035568	0.000215198	0.000220278
0.000176114	0.000395689	0.000213903	0.000208554	0.000194866	0.000177121	0.00035219	0.000213903	0.000212314
0.000190824	0.000430508	0.000232277	0.000196235	0.000211496	0.000192108	0.000383389	0.000232277	0.000199149
0.000200001	0.000452074	0.000243491	0.000188209	0.000221757	0.000201364	0.000402555	0.000243491	0.000190586
0.000195856	0.000437961	0.000235262	0.000184167	0.000215477	0.000195997	0.00038819	0.000235262	0.000186293
0.000189433	0.000416868	0.000222147	0.00016824	0.000205664	0.000187545	0.000366309	0.000222147	0.000171913
0.000180104	0.000391639	0.00020776	0.000151967	0.000193749	0.000177016	0.000342102	0.00020776	0.000157006
0.00017149	0.000369949	0.000195555	0.000138392	0.000183514	0.000167833	0.000322543	0.000195555	0.0001438
0.000156991	0.000328627	0.000174161	0.000126151	0.000165904	0.000152298	0.000286538	0.000174161	0.000131882
0.000138345	0.000289965	0.000154016	0.000120824	0.000146555	0.000134483	0.000253581	0.000154016	0.000126187
0.000124976	0.00026298	0.00014116	0.00011607	0.000133384	0.000122303	0.000231632	0.00014116	0.000121119
0.000107013	0.000226232	0.000122407	0.000119887	0.00011505	0.000105386	0.000200734	0.000122407	0.000125218
0.000100629	0.000212622	0.000116003	0.000123147	0.000108594	9.94698E-05	0.000189484	0.000116003	0.000128717
9.61459E-05	0.00020197	0.000110889	0.000131807	0.000103718	9.50831E-05	0.000180275	0.000110889	0.000137994
9.5769E-05	0.000200225	0.000110451	0.000144629	0.000103234	9.471E-05	0.000178806	0.000110451	0.00015173
0.000103321	0.000217173	0.000119384	0.000157982	0.000111492	0.000102216	0.000193729	0.000119384	0.000166022
0.000113891	0.000240846	0.000131611	0.000166313	0.000122933	0.000112618	0.000214388	0.000131611	0.000175024
0.000125633	0.000269641	0.000146142	0.000215354	0.000136041	0.000124399	0.000239258	0.000146142	0.000219557
0.000125108	0.000276739	0.0001497	0.000219107	0.000137154	0.000124976	0.00024512	0.0001497	0.000223659
0.000127738	0.000281776	0.000152448	0.000222549	0.000139811	0.000127454	0.000249367	0.000152448	0.00022731
0.000137339	0.000304456	0.000164108	0.000224772	0.000150526	0.000137111	0.000269466	0.000164108	0.00022967
0.000151014	0.000337265	0.000181122	0.000228737	0.000165995	0.000151019	0.00029878	0.000181122	0.000233897
0.000167651	0.000377546	0.000202714	0.000223522	0.000185207	0.000168272	0.000335352	0.000202714	0.000229621
0.000174232	0.000393049	0.000211122	0.000222663	0.000192717	0.000175047	0.000349377	0.000211122	0.00022871
0.00017707	0.00039967	0.000215198	0.000214792	0.000196132	0.000178136	0.00035568	0.000215198	0.000220278
0.000176114	0.000395689	0.000213903	0.000208554	0.000194866	0.000177121	0.00035219	0.000213903	0.000212314
0.000190824	0.000430508	0.000232277	0.000196235	0.000211496	0.000192108	0.000383389	0.000232277	0.000199149
0.000200001	0.000452074	0.000243491	0.000188209	0.000221757	0.000201364	0.000402555	0.000243491	0.000190586
0.000195856	0.000437961	0.000235262	0.000184167	0.000215477	0.000195997	0.00038819	0.000235262	0.000186293
0.000189433	0.000416868	0.000222147	0.00016824	0.000205664	0.000187545	0.000366309	0.000222147	0.000171913
0.000180104	0.000391639	0.00020776	0.000151967	0.000193749	0.000177016	0.000342102	0.00020776	0.000157006
0.00017149	0.000369949	0.000195555	0.000138392	0.000183514	0.000167833	0.000322543	0.000195555	0.0001438
0.000156991	0.000328627	0.000174161	0.000126151	0.000165904	0.000152298	0.000286538	0.000174161	0.000131882
0.000138345	0.000289965	0.000154016	0.000120824	0.000146555	0.000134483	0.000253581	0.000154016	0.000126187
0.000124976	0.00026298	0.00014116	0.00011607	0.000133384	0.000122303	0.000231632	0.00014116	0.000121119
0.000106826	0.000225699	0.000122157	0.000119916	0.000114825	0.000105189	0.000200252	0.000122157	0.00012525
0.000100549	0.000212369	0.000115893	0.000123238	0.000108494	9.93843E-05	0.000189256	0.000115893	0.000128815
9.60863E-05	0.000201793	0.000110808	0.000131977	0.000103645	9.502E-05	0.000180115	0.000110808	0.000138178
9.58076E-05	0.000200277	0.000110495	0.00014475	0.000103272	9.47474E-05	0.000178853	0.000110495	0.00015186
0.000103451	0.000217443	0.000119544	0.000158199	0.000111634	0.000102347	0.000193972	0.000119544	0.000166257
0.000114269	0.000241803	0.000132101	0.000166577	0.000123373	0.00011301	0.000215252	0.000132101	0.000175312
0.000124132	0.00026982	0.000146124	0.000215532	0.000135158	0.000123399	0.000239412	0.000146124	0.000219753

0.000125208	0.000276998	0.000149831	0.000219276	0.000137271	0.000125081	0.000245354	0.000149831	0.000223848
0.000127676	0.000281572	0.00015236	0.00022265	0.000139731	0.000127386	0.000249182	0.00015236	0.000227426
0.000136422	0.00030219	0.000162929	0.000224771	0.000149468	0.000136164	0.000267421	0.000162929	0.000229677
0.000149505	0.000333618	0.000179194	0.000228492	0.000164266	0.000149465	0.000295489	0.000179194	0.000233643
0.000165956	0.000373576	0.000200566	0.000223273	0.000183282	0.000166534	0.00033177	0.000200566	0.000229362
0.000172652	0.00038939	0.000209126	0.000222498	0.000190928	0.000173429	0.000346076	0.000209126	0.000228541
0.000174268	0.000393077	0.000211642	0.000214712	0.000192944	0.00017526	0.000349732	0.000211642	0.000220201
0.00017333	0.000389176	0.000210375	0.000208562	0.000191704	0.000174266	0.000346313	0.000210375	0.000212332
0.000187769	0.000423389	0.00022841	0.000195937	0.00020803	0.000188976	0.000376966	0.00022841	0.000198839
0.000196275	0.000443265	0.000238756	0.000187902	0.000217512	0.000197538	0.000394607	0.000238756	0.000190266
0.000192332	0.000429619	0.000230783	0.000183745	0.000211462	0.000192377	0.000380662	0.000230783	0.000185848
0.00018636	0.000409554	0.000218236	0.000167872	0.000202157	0.000184387	0.000359709	0.000218236	0.000171525
0.000177496	0.000385436	0.000204441	0.00015163	0.000190773	0.000174336	0.000336504	0.000204441	0.000156652
0.000170805	0.000364592	0.000192795	0.000138196	0.000181907	0.000166588	0.000317717	0.000192795	0.000143596
0.000155312	0.000324594	0.000172019	0.000125945	0.000163983	0.00015057	0.000282898	0.000172019	0.000131667
0.000136752	0.000286075	0.000151975	0.000120692	0.000144723	0.000132841	0.00025007	0.000151975	0.000126052
0.000123682	0.000260013	0.000139529	0.00011585	0.000131924	0.00012098	0.000228955	0.000139529	0.000120888
0.000106826	0.000225699	0.000122157	0.000119916	0.000114825	0.000105189	0.000200252	0.000122157	0.00012525
0.000100549	0.000212369	0.000115893	0.000123238	0.000108494	9.93843E-05	0.000189256	0.000115893	0.000128815
9.60863E-05	0.000201793	0.000110808	0.000131977	0.000103645	9.502E-05	0.000180115	0.000110808	0.000138178
9.58076E-05	0.000200277	0.000110495	0.00014475	0.000103272	9.47474E-05	0.000178853	0.000110495	0.00015186
0.000103451	0.000217443	0.000119544	0.000158199	0.000111634	0.000102347	0.000193972	0.000119544	0.000166257
0.000114269	0.000241803	0.000132101	0.000166577	0.000123373	0.00011301	0.000215252	0.000132101	0.000175312
0.000124132	0.00026982	0.000146124	0.000215532	0.000135158	0.000123399	0.000239412	0.000146124	0.000219753
0.000125208	0.000276998	0.000149831	0.000219276	0.000137271	0.000125081	0.000245354	0.000149831	0.000223848
0.000127676	0.000281572	0.00015236	0.00022265	0.000139731	0.000127386	0.000249182	0.00015236	0.000227426
0.000136422	0.00030219	0.000162929	0.000224771	0.000149468	0.000136164	0.000267421	0.000162929	0.000229677
0.000149505	0.000333618	0.000179194	0.000228492	0.000164266	0.000149465	0.000295489	0.000179194	0.000233643
0.000165956	0.000373576	0.000200566	0.000223273	0.000183282	0.000166534	0.00033177	0.000200566	0.000229362
0.000172652	0.00038939	0.000209126	0.000222498	0.000190928	0.000173429	0.000346076	0.000209126	0.000228541
0.000174268	0.000393077	0.000211642	0.000214712	0.000192944	0.00017526	0.000349732	0.000211642	0.000220201
0.00017333	0.000389176	0.000210375	0.000208562	0.000191704	0.000174266	0.000346313	0.000210375	0.000212332
0.000187769	0.000423389	0.00022841	0.000195937	0.00020803	0.000188976	0.000376966	0.00022841	0.000198839
0.000196275	0.000443265	0.000238756	0.000187902	0.000217512	0.000197538	0.000394607	0.000238756	0.000190266
0.000192332	0.000429619	0.000230783	0.000183745	0.000211462	0.000192377	0.000380662	0.000230783	0.000185848
0.00018636	0.000409554	0.000218236	0.000167872	0.000202157	0.000184387	0.000359709	0.000218236	0.000171525
0.000177496	0.000385436	0.000204441	0.00015163	0.000190773	0.000174336	0.000336504	0.000204441	0.000156652
0.000170805	0.000364592	0.000192795	0.000138196	0.000181907	0.000166588	0.000317717	0.000192795	0.000143596
0.000155312	0.000324594	0.000172019	0.000125945	0.000163983	0.00015057	0.000282898	0.000172019	0.000131667
0.000136752	0.000286075	0.000151975	0.000120692	0.000144723	0.000132841	0.00025007	0.000151975	0.000126052
0.000123682	0.000260013	0.000139529	0.00011585	0.000131924	0.00012098	0.000228955	0.000139529	0.000120888
0.000106826	0.000225699	0.000122157	0.000119916	0.000114825	0.000105189	0.000200252	0.000122157	0.00012525
0.000100549	0.000212369	0.000115893	0.000123238	0.000108494	9.93843E-05	0.000189256	0.000115893	0.000128815
9.60863E-05	0.000201793	0.000110808	0.000131977	0.000103645	9.502E-05	0.000180115	0.000110808	0.000138178
9.58076E-05	0.000200277	0.000110495	0.00014475	0.000103272	9.47474E-05	0.000178853	0.000110495	0.00015186
0.000103451	0.000217443	0.000119544	0.000158199	0.000111634	0.000102347	0.000193972	0.000119544	0.000166257
0.000114269	0.000241803	0.000132101	0.000166577	0.000123373	0.00011301	0.000215252	0.000132101	0.000175312
0.000124132	0.00026982	0.000146124	0.000215532	0.000135158	0.000123399	0.000239412	0.000146124	0.000219753
0.000125208	0.000276998	0.000149831	0.000219276	0.000137271	0.000125081	0.000245354	0.000149831	0.000223848
0.000127676	0.000281572	0.00015236	0.00022265	0.000139731	0.000127386	0.000249182	0.00015236	0.000227426
0.000136422	0.00030219	0.000162929	0.000224771	0.000149468	0.000136164	0.000267421	0.000162929	0.000229677
0.000149505	0.000333618	0.000179194	0.000228492	0.000164266	0.000149465	0.000295489	0.000179194	0.000233643

0.000165956	0.000373576	0.000200566	0.000223273	0.000183282	0.000166534	0.00033177	0.000200566	0.000229362
0.000172652	0.00038939	0.000209126	0.000222498	0.000190928	0.000173429	0.000346076	0.000209126	0.000228541
0.000174268	0.000393077	0.000211642	0.000214712	0.000192944	0.00017526	0.000349732	0.000211642	0.000220201
0.00017333	0.000389176	0.000210375	0.000208562	0.000191704	0.000174266	0.000346313	0.000210375	0.000212332
0.000187769	0.000423389	0.00022841	0.000195937	0.00020803	0.000188976	0.000376966	0.00022841	0.000198839
0.000196275	0.000443265	0.000238756	0.000187902	0.000217512	0.000197538	0.000394607	0.000238756	0.000190266
0.000192332	0.000429619	0.000230783	0.000183745	0.000211462	0.000192377	0.000380662	0.000230783	0.000185848
0.00018636	0.000409554	0.000218236	0.000167872	0.000202157	0.000184387	0.000359709	0.000218236	0.000171525
0.000177496	0.000385436	0.000204441	0.00015163	0.000190773	0.000174336	0.000336504	0.000204441	0.000156652
0.000170805	0.000364592	0.000192795	0.000138196	0.000181907	0.000166588	0.000317717	0.000192795	0.000143596
0.000155312	0.000324594	0.000172019	0.000125945	0.000163983	0.00015057	0.000282898	0.000172019	0.000131667
0.000136752	0.000286075	0.000151975	0.000120692	0.000144723	0.000132841	0.00025007	0.000151975	0.000126052
0.000123682	0.000260013	0.000139529	0.00011585	0.000131924	0.00012098	0.000228955	0.000139529	0.000120888
0.000106826	0.000225699	0.000122157	0.000119916	0.000114825	0.000105189	0.000200252	0.000122157	0.00012525
0.000100549	0.000212369	0.000115893	0.000123238	0.000108494	9.93843E-05	0.000189256	0.000115893	0.000128815
9.60863E-05	0.000201793	0.000110808	0.000131977	0.000103645	9.502E-05	0.000180115	0.000110808	0.000138178
9.58076E-05	0.000200277	0.000110495	0.00014475	0.000103272	9.47474E-05	0.000178853	0.000110495	0.00015186
0.000103451	0.000217443	0.000119544	0.000158199	0.000111634	0.000102347	0.000193972	0.000119544	0.000166257
0.000114269	0.000241803	0.000132101	0.000166577	0.000123373	0.00011301	0.000215252	0.000132101	0.000175312
0.000124132	0.00026982	0.000146124	0.000215532	0.000135158	0.000123399	0.000239412	0.000146124	0.000219753
0.000125208	0.000276998	0.000149831	0.000219276	0.000137271	0.000125081	0.000245354	0.000149831	0.000223848
0.000127676	0.000281572	0.00015236	0.00022265	0.000139731	0.000127386	0.000249182	0.00015236	0.000227426
0.000136422	0.00030219	0.000162929	0.000224771	0.000149468	0.000136164	0.000267421	0.000162929	0.000229677
0.000149505	0.000333618	0.000179194	0.000228492	0.000164266	0.000149465	0.000295489	0.000179194	0.000233643
0.000165956	0.000373576	0.000200566	0.000223273	0.000183282	0.000166534	0.00033177	0.000200566	0.000229362
0.000172652	0.00038939	0.000209126	0.000222498	0.000190928	0.000173429	0.000346076	0.000209126	0.000228541
0.000174268	0.000393077	0.000211642	0.000214712	0.000192944	0.00017526	0.000349732	0.000211642	0.000220201
0.00017333	0.000389176	0.000210375	0.000208562	0.000191704	0.000174266	0.000346313	0.000210375	0.000212332
0.000187769	0.000423389	0.00022841	0.000195937	0.00020803	0.000188976	0.000376966	0.00022841	0.000198839
0.000196275	0.000443265	0.000238756	0.000187902	0.000217512	0.000197538	0.000394607	0.000238756	0.000190266
0.000192332	0.000429619	0.000230783	0.000183745	0.000211462	0.000192377	0.000380662	0.000230783	0.000185848
0.00018636	0.000409554	0.000218236	0.000167872	0.000202157	0.000184387	0.000359709	0.000218236	0.000171525
0.000177496	0.000385436	0.000204441	0.00015163	0.000190773	0.000174336	0.000336504	0.000204441	0.000156652
0.000170805	0.000364592	0.000192795	0.000138196	0.000181907	0.000166588	0.000317717	0.000192795	0.000143596
0.000155312	0.000324594	0.000172019	0.000125945	0.000163983	0.00015057	0.000282898	0.000172019	0.000131667
0.000136752	0.000286075	0.000151975	0.000120692	0.000144723	0.000132841	0.00025007	0.000151975	0.000126052
0.000123682	0.000260013	0.000139529	0.00011585	0.000131924	0.00012098	0.000228955	0.000139529	0.000120888
0.000107013	0.000226232	0.000122407	0.000119887	0.00011505	0.000105386	0.000200734	0.000122407	0.000125218
0.000100629	0.000212622	0.000116003	0.000123147	0.000108594	9.94698E-05	0.000189484	0.000116003	0.000128717
9.61459E-05	0.00020197	0.000110889	0.000131807	0.000103718	9.50831E-05	0.000180275	0.000110889	0.000137994
9.5769E-05	0.000200225	0.000110451	0.000144629	0.000103234	9.471E-05	0.000178806	0.000110451	0.00015173
0.000103321	0.000217173	0.000119384	0.000157982	0.000111492	0.000102216	0.000193729	0.000119384	0.000166022
0.000113891	0.000240846	0.000131611	0.000166313	0.000122933	0.000112618	0.000214388	0.000131611	0.000175024
0.000125633	0.000269641	0.000146142	0.000215354	0.000136041	0.000124399	0.000239258	0.000146142	0.000219557
0.000125108	0.000276739	0.0001497	0.000219107	0.000137154	0.000124976	0.00024512	0.0001497	0.000223659
0.000127738	0.000281776	0.000152448	0.000222549	0.000139811	0.000127454	0.000249367	0.000152448	0.00022731
0.000137339	0.000304456	0.000164108	0.000224772	0.000150526	0.000137111	0.000269466	0.000164108	0.00022967
0.000151014	0.000337265	0.000181122	0.000228737	0.000165995	0.000151019	0.00029878	0.000181122	0.000233897
0.000167651	0.000377546	0.000202714	0.000223522	0.000185207	0.000168272	0.000335352	0.000202714	0.000229621
0.000174232	0.000393049	0.000211122	0.000222663	0.000192717	0.000175047	0.000349377	0.000211122	0.00022871
0.00017707	0.00039967	0.000215198	0.000214792	0.000196132	0.000178136	0.00035568	0.000215198	0.000220278
0.000176114	0.000395689	0.000213903	0.000208554	0.000194866	0.000177121	0.00035219	0.000213903	0.000212314
0.000190824	0.000430508	0.000232277	0.000196235	0.000211496	0.000192108	0.000383389	0.000232277	0.000199149
0.000200001	0.000452074	0.000243491	0.000188209	0.000221757	0.000201364	0.000402555	0.000243491	0.000190586
0.000195856	0.000437961	0.000235262	0.000184167	0.000215477	0.000195997	0.00038819	0.000235262	0.000186293
0.000189433	0.000416868	0.000222147	0.00016824	0.000205664	0.000187545	0.000366309	0.000222147	0.000171913
0.000180104	0.000391639	0.00020776	0.000151967	0.000193749	0.000177016	0.000342102	0.00020776	0.000157006
0.00017149	0.000369949	0.000195555	0.000138392	0.000183514	0.000167833	0.000322543	0.000195555	0.0001438
0.000156991	0.000328627	0.000174161	0.000126151	0.000165904	0.000152298	0.000286538	0.000174161	0.000131882
0.000138345	0.000289965	0.000154016	0.000120824	0.000146555	0.000134483	0.000253581	0.000154016	0.000126187
0.000124976	0.00026298	0.00014116	0.00011607	0.000133384	0.000122303	0.000231632	0.00014116	0.000121119
0.000107013	0.000226232	0.000122407	0.000119887	0.00011505	0.000105386	0.000200734	0.000122407	0.000125218
0.000100629	0.000212622	0.000116003	0.000123147	0.000108594	9.94698E-05	0.000189484	0.000116003	0.000128717
9.61459E-05	0.00020197	0.000110889	0.000131807	0.000103718	9.50831E-05	0.000180275	0.000110889	0.000137994
9.5769E-05	0.000200225	0.000110451	0.000144629	0.000103234	9.471E-05	0.000178806	0.000110451	0.00015173
0.000103321	0.000217173	0.000119384	0.000157982	0.000111492	0.000102216	0.000193729	0.000119384	0.000166022
0.000113891	0.000240846	0.000131611	0.000166313	0.000122933	0.000112618	0.000214388	0.000131611	0.000175024
0.000125633	0.000269641	0.000146142	0.000215354	0.000136041	0.000124399	0.000239258	0.000146142	0.000219557
0.000125108	0.000276739	0.0001497	0.000219107	0.000137154	0.000124976	0.00024512	0.0001497	0.000223659
0.000127738	0.000281776	0.000152448	0.000222549	0.000139811	0.000127454	0.000249367	0.000152448	0.00022731
0.000137339	0.000304456	0.000164108	0.000224772	0.000150526	0.000137111	0.000269466	0.000164108	0.00022967
0.000151014	0.000337265	0.000181122	0.000228737	0.000165995	0.000151019	0.00029878	0.000181122	0.000233897
0.000167651	0.000377546	0.000202714	0.000223522	0.000185207	0.000168272	0.000335352	0.000202714	0.000229621
0.000174232	0.000393049	0.000211122	0.000222663	0.000192717	0.000175047	0.000349377	0.000211122	0.00022871
0.00017707	0.00039967	0.000215198	0.000214792	0.000196132	0.000178136	0.00035568	0.000215198	0.000220278
0.000176114	0.000395689	0.000213903	0.000208554	0.000194866	0.000177121	0.00035219	0.000213903	0.000212314

0.000190824	0.000430508	0.000232277	0.000196235	0.000211496	0.000192108	0.000383389	0.000232277	0.000199149
0.000200001	0.000452074	0.000243491	0.000188209	0.000221757	0.000201364	0.000402555	0.000243491	0.000190586
0.000195856	0.000437961	0.000235262	0.000184167	0.000215477	0.000195997	0.00038819	0.000235262	0.000186293
0.000189433	0.000416868	0.000222147	0.00016824	0.000205664	0.000187545	0.000366309	0.000222147	0.000171913
0.000180104	0.000391639	0.00020776	0.000151967	0.000193749	0.000177016	0.000342102	0.00020776	0.000157006
0.00017149	0.000369949	0.000195555	0.000138392	0.000183514	0.000167833	0.000322543	0.000195555	0.0001438
0.000156991	0.000328627	0.000174161	0.000126151	0.000165904	0.000152298	0.000286538	0.000174161	0.000131882
0.000138345	0.000289965	0.000154016	0.000120824	0.000146555	0.000134483	0.000253581	0.000154016	0.000126187
0.000124976	0.00026298	0.00014116	0.00011607	0.000133384	0.000122303	0.000231632	0.00014116	0.000121119
0.000106826	0.000225699	0.000122157	0.000119916	0.000114825	0.000105189	0.000200252	0.000122157	0.00012525
0.000100549	0.000212369	0.000115893	0.000123238	0.000108494	9.93843E-05	0.000189256	0.000115893	0.000128815
9.60863E-05	0.000201793	0.000110808	0.000131977	0.000103645	9.502E-05	0.000180115	0.000110808	0.000138178
9.58076E-05	0.000200277	0.000110495	0.00014475	0.000103272	9.47474E-05	0.000178853	0.000110495	0.00015186
0.000103451	0.000217443	0.000119544	0.000158199	0.000111634	0.000102347	0.000193972	0.000119544	0.000166257
0.000114269	0.000241803	0.000132101	0.000166577	0.000123373	0.00011301	0.000215252	0.000132101	0.000175312
0.000124132	0.00026982	0.000146124	0.000215532	0.000135158	0.000123399	0.000239412	0.000146124	0.000219753
0.000125208	0.000276998	0.000149831	0.000219276	0.000137271	0.000125081	0.000245354	0.000149831	0.000223848
0.000127676	0.000281572	0.00015236	0.00022265	0.000139731	0.000127386	0.000249182	0.00015236	0.000227426
0.000136422	0.00030219	0.000162929	0.000224771	0.000149468	0.000136164	0.000267421	0.000162929	0.000229677
0.000149505	0.000333618	0.000179194	0.000228492	0.000164266	0.000149465	0.000295489	0.000179194	0.000233643
0.000165956	0.000373576	0.000200566	0.000223273	0.000183282	0.000166534	0.00033177	0.000200566	0.000229362
0.000172652	0.00038939	0.000209126	0.000222498	0.000190928	0.000173429	0.000346076	0.000209126	0.000228541
0.000174268	0.000393077	0.000211642	0.000214712	0.000192944	0.00017526	0.000349732	0.000211642	0.000220201
0.00017333	0.000389176	0.000210375	0.000208562	0.000191704	0.000174266	0.000346313	0.000210375	0.000212332
0.000187769	0.000423389	0.00022841	0.000195937	0.00020803	0.000188976	0.000376966	0.00022841	0.000198839
0.000196275	0.000443265	0.000238756	0.000187902	0.000217512	0.000197538	0.000394607	0.000238756	0.000190266
0.000192332	0.000429619	0.000230783	0.000183745	0.000211462	0.000192377	0.000380662	0.000230783	0.000185848
0.00018636	0.000409554	0.000218236	0.000167872	0.000202157	0.000184387	0.000359709	0.000218236	0.000171525
0.000177496	0.000385436	0.000204441	0.00015163	0.000190773	0.000174336	0.000336504	0.000204441	0.000156652
0.000170805	0.000364592	0.000192795	0.000138196	0.000181907	0.000166588	0.000317717	0.000192795	0.000143596
0.000155312	0.000324594	0.000172019	0.000125945	0.000163983	0.00015057	0.000282898	0.000172019	0.000131667
0.000136752	0.000286075	0.000151975	0.000120692	0.000144723	0.000132841	0.00025007	0.000151975	0.000126052
0.000123682	0.000260013	0.000139529	0.00011585	0.000131924	0.00012098	0.000228955	0.000139529	0.000120888
0.000106826	0.000225699	0.000122157	0.000119916	0.000114825	0.000105189	0.000200252	0.000122157	0.00012525
0.000100549	0.000212369	0.000115893	0.000123238	0.000108494	9.93843E-05	0.000189256	0.000115893	0.000128815
9.60863E-05	0.000201793	0.000110808	0.000131977	0.000103645	9.502E-05	0.000180115	0.000110808	0.000138178
9.58076E-05	0.000200277	0.000110495	0.00014475	0.000103272	9.47474E-05	0.000178853	0.000110495	0.00015186
0.000103451	0.000217443	0.000119544	0.000158199	0.000111634	0.000102347	0.000193972	0.000119544	0.000166257
0.000114269	0.000241803	0.000132101	0.000166577	0.000123373	0.00011301	0.000215252	0.000132101	0.000175312
0.000124132	0.00026982	0.000146124	0.000215532	0.000135158	0.000123399	0.000239412	0.000146124	0.000219753
0.000125208	0.000276998	0.000149831	0.000219276	0.000137271	0.000125081	0.000245354	0.000149831	0.000223848
0.000127676	0.000281572	0.00015236	0.00022265	0.000139731	0.000127386	0.000249182	0.00015236	0.000227426
0.000136422	0.00030219	0.000162929	0.000224771	0.000149468	0.000136164	0.000267421	0.000162929	0.000229677
0.000149505	0.000333618	0.000179194	0.000228492	0.000164266	0.000149465	0.000295489	0.000179194	0.000233643
0.000165956	0.000373576	0.000200566	0.000223273	0.000183282	0.000166534	0.00033177	0.000200566	0.000229362
0.000172652	0.00038939	0.000209126	0.000222498	0.000190928	0.000173429	0.000346076	0.000209126	0.000228541
0.000174268	0.000393077	0.000211642	0.000214712	0.000192944	0.00017526	0.000349732	0.000211642	0.000220201
0.00017333	0.000389176	0.000210375	0.000208562	0.000191704	0.000174266	0.000346313	0.000210375	0.000212332
0.000187769	0.000423389	0.00022841	0.000195937	0.00020803	0.000188976	0.000376966	0.00022841	0.000198839
0.000196275	0.000443265	0.000238756	0.000187902	0.000217512	0.000197538	0.000394607	0.000238756	0.000190266
0.000192332	0.000429619	0.000230783	0.000183745	0.000211462	0.000192377	0.000380662	0.000230783	0.000185848
0.00018636	0.000409554	0.000218236	0.000167872	0.000202157	0.000184387	0.000359709	0.000218236	0.000171525
0.000177496	0.000385436	0.000204441	0.00015163	0.000190773	0.000174336	0.000336504	0.000204441	0.000156652
0.000170805	0.000364592	0.000192795	0.000138196	0.000181907	0.000166588	0.000317717	0.000192795	0.000143596
0.000155312	0.000324594	0.000172019	0.000125945	0.000163983	0.00015057	0.000282898	0.000172019	0.000131667
0.000136752	0.000286075	0.000151975	0.000120692	0.000144723	0.000132841	0.00025007	0.000151975	0.000126052
0.000123682	0.000260013	0.000139529	0.00011585	0.000131924	0.00012098	0.000228955	0.000139529	0.000120888
0.000106826	0.000225699	0.000122157	0.000119916	0.000114825	0.000105189	0.000200252	0.000122157	0.00012525
0.000100549	0.000212369	0.000115893	0.000123238	0.000108494	9.93843E-05	0.000189256	0.000115893	0.000128815
9.60863E-05	0.000201793	0.000110808	0.000131977	0.000103645	9.502E-05	0.000180115	0.000110808	0.000138178
9.58076E-05	0.000200277	0.000110495	0.00014475	0.000103272	9.47474E-05	0.000178853	0.000110495	0.00015186
0.000103451	0.000217443	0.000119544	0.000158199	0.000111634	0.000102347	0.000193972	0.000119544	0.000166257
0.000114269	0.000241803	0.000132101	0.000166577	0.000123373	0.00011301	0.000215252	0.000132101	0.000175312
0.000124132	0.00026982	0.000146124	0.000215532	0.000135158	0.000123399	0.000239412	0.000146124	0.000219753
0.000125208	0.000276998	0.000149831	0.000219276	0.000137271	0.000125081	0.000245354	0.000149831	0.000223848
0.000127676	0.000281572	0.00015236	0.00022265	0.000139731	0.000127386	0.000249182	0.00015236	0.000227426
0.000136422	0.00030219	0.000162929	0.000224771	0.000149468	0.000136164	0.000267421	0.000162929	0.000229677
0.000149505	0.000333618	0.000179194	0.000228492	0.000164266	0.000149465	0.000295489	0.000179194	0.000233643
0.000165956	0.000373576	0.000200566	0.000223273	0.000183282	0.000166534	0.00033177	0.000200566	0.000229362
0.000172652	0.00038939	0.000209126	0.000222498	0.000190928	0.000173429	0.000346076	0.000209126	0.000228541
0.000174268	0.000393077	0.000211642	0.000214712	0.000192944	0.00017526	0.000349732	0.000211642	0.000220201
0.00017333	0.000389176	0.000210375	0.000208562	0.000191704	0.000174266	0.000346313	0.000210375	0.000212332
0.000187769	0.000423389	0.00022841	0.000195937	0.00020803	0.000188976	0.000376966	0.00022841	0.000198839
0.000196275	0.000443265	0.000238756	0.000187902	0.000217512	0.000197538	0.000394607	0.000238756	0.000190266
0.000192332	0.000429619	0.000230783	0.000183745	0.000211462	0.000192377	0.000380662	0.000230783	0.000185848
0.00018636	0.000409554	0.000218236	0.000167872	0.000202157	0.000184387	0.000359709	0.000218236	0.000171525

0.000177496	0.000385436	0.000204441	0.00015163	0.000190773	0.000174336	0.000336504	0.000204441	0.000156652
0.000170805	0.000364592	0.000192795	0.000138196	0.000181907	0.000166588	0.000317717	0.000192795	0.000143596
0.000155312	0.000324594	0.000172019	0.000125945	0.000163983	0.00015057	0.000282898	0.000172019	0.000131667
0.000136752	0.000286075	0.000151975	0.000120692	0.000144723	0.000132841	0.00025007	0.000151975	0.000126052
0.000123682	0.000260013	0.000139529	0.00011585	0.000131924	0.00012098	0.000228955	0.000139529	0.000120888
0.000106826	0.000225699	0.000122157	0.000119916	0.000114825	0.000105189	0.000200252	0.000122157	0.00012525
0.000100549	0.000212369	0.000115893	0.000123238	0.000108494	9.93843E-05	0.000189256	0.000115893	0.000128815
9.60863E-05	0.000201793	0.000110808	0.000131977	0.000103645	9.502E-05	0.000180115	0.000110808	0.000138178
9.58076E-05	0.000200277	0.000110495	0.00014475	0.000103272	9.47474E-05	0.000178853	0.000110495	0.00015186
0.000103451	0.000217443	0.000119544	0.000158199	0.000111634	0.000102347	0.000193972	0.000119544	0.000166257
0.000114269	0.000241803	0.000132101	0.000166577	0.000123373	0.00011301	0.000215252	0.000132101	0.000175312
0.000124132	0.00026982	0.000146124	0.000215532	0.000135158	0.000123399	0.000239412	0.000146124	0.000219753
0.000125208	0.000276998	0.000149831	0.000219276	0.000137271	0.000125081	0.000245354	0.000149831	0.000223848
0.000127676	0.000281572	0.00015236	0.00022265	0.000139731	0.000127386	0.000249182	0.00015236	0.000227426
0.000136422	0.00030219	0.000162929	0.000224771	0.000149468	0.000136164	0.000267421	0.000162929	0.000229677
0.000149505	0.000333618	0.000179194	0.000228492	0.000164266	0.000149465	0.000295489	0.000179194	0.000233643
0.000165956	0.000373576	0.000200566	0.000223273	0.000183282	0.000166534	0.00033177	0.000200566	0.000229362
0.000172652	0.00038939	0.000209126	0.000222498	0.000190928	0.000173429	0.000346076	0.000209126	0.000228541
0.000174268	0.000393077	0.000211642	0.000214712	0.000192944	0.00017526	0.000349732	0.000211642	0.000220201
0.00017333	0.000389176	0.000210375	0.000208562	0.000191704	0.000174266	0.000346313	0.000210375	0.000212332
0.000187769	0.000423389	0.00022841	0.000195937	0.00020803	0.000188976	0.000376966	0.00022841	0.000198839
0.000196275	0.000443265	0.000238756	0.000187902	0.000217512	0.000197538	0.000394607	0.000238756	0.000190266
0.000192332	0.000429619	0.000230783	0.000183745	0.000211462	0.000192377	0.000380662	0.000230783	0.000185848
0.00018636	0.000409554	0.000218236	0.000167872	0.000202157	0.000184387	0.000359709	0.000218236	0.000171525
0.000177496	0.000385436	0.000204441	0.00015163	0.000190773	0.000174336	0.000336504	0.000204441	0.000156652
0.000170805	0.000364592	0.000192795	0.000138196	0.000181907	0.000166588	0.000317717	0.000192795	0.000143596
0.000155312	0.000324594	0.000172019	0.000125945	0.000163983	0.00015057	0.000282898	0.000172019	0.000131667
0.000136752	0.000286075	0.000151975	0.000120692	0.000144723	0.000132841	0.00025007	0.000151975	0.000126052
0.000123682	0.000260013	0.000139529	0.00011585	0.000131924	0.00012098	0.000228955	0.000139529	0.000120888
0.000106826	0.000225699	0.000122157	0.000119916	0.000114825	0.000105189	0.000200252	0.000122157	0.00012525
0.000100549	0.000212369	0.000115893	0.000123238	0.000108494	9.93843E-05	0.000189256	0.000115893	0.000128815
9.60863E-05	0.000201793	0.000110808	0.000131977	0.000103645	9.502E-05	0.000180115	0.000110808	0.000138178
9.58076E-05	0.000200277	0.000110495	0.00014475	0.000103272	9.47474E-05	0.000178853	0.000110495	0.00015186
0.000103451	0.000217443	0.000119544	0.000158199	0.000111634	0.000102347	0.000193972	0.000119544	0.000166257
0.000114269	0.000241803	0.000132101	0.000166577	0.000123373	0.00011301	0.000215252	0.000132101	0.000175312
0.000124132	0.00026982	0.000146124	0.000215532	0.000135158	0.000123399	0.000239412	0.000146124	0.000219753
0.000125208	0.000276998	0.000149831	0.000219276	0.000137271	0.000125081	0.000245354	0.000149831	0.000223848
0.000127676	0.000281572	0.00015236	0.00022265	0.000139731	0.000127386	0.000249182	0.00015236	0.000227426
0.000136422	0.00030219	0.000162929	0.000224771	0.000149468	0.000136164	0.000267421	0.000162929	0.000229677
0.000149505	0.000333618	0.000179194	0.000228492	0.000164266	0.000149465	0.000295489	0.000179194	0.000233643
0.000165956	0.000373576	0.000200566	0.000223273	0.000183282	0.000166534	0.00033177	0.000200566	0.000229362
0.000172652	0.00038939	0.000209126	0.000222498	0.000190928	0.000173429	0.000346076	0.000209126	0.000228541
0.000174268	0.000393077	0.000211642	0.000214712	0.000192944	0.00017526	0.000349732	0.000211642	0.000220201
0.00017333	0.000389176	0.000210375	0.000208562	0.000191704	0.000174266	0.000346313	0.000210375	0.000212332
0.000187769	0.000423389	0.00022841	0.000195937	0.00020803	0.000188976	0.000376966	0.00022841	0.000198839
0.000196275	0.000443265	0.000238756	0.000187902	0.000217512	0.000197538	0.000394607	0.000238756	0.000190266
0.000192332	0.000429619	0.000230783	0.000183745	0.000211462	0.000192377	0.000380662	0.000230783	0.000185848
0.00018636	0.000409554	0.000218236	0.000167872	0.000202157	0.000184387	0.000359709	0.000218236	0.000171525
0.000177496	0.000385436	0.000204441	0.00015163	0.000190773	0.000174336	0.000336504	0.000204441	0.000156652
0.000170805	0.000364592	0.000192795	0.000138196	0.000181907	0.000166588	0.000317717	0.000192795	0.000143596
0.000155312	0.000324594	0.000172019	0.000125945	0.000163983	0.00015057	0.000282898	0.000172019	0.000131667
0.000136752	0.000286075	0.000151975	0.000120692	0.000144723	0.000132841	0.00025007	0.000151975	0.000126052
0.000123682	0.000260013	0.000139529	0.00011585	0.000131924	0.00012098	0.000228955	0.000139529	0.000120888
0.000107013	0.000226232	0.000122407	0.000119887	0.00011505	0.000105386	0.000200734	0.000122407	0.000125218
0.000100629	0.000212622	0.000116003	0.000123147	0.000108594	9.94698E-05	0.000189484	0.000116003	0.000128717
9.61459E-05	0.00020197	0.000110889	0.000131807	0.000103718	9.50831E-05	0.000180275	0.000110889	0.000137994
9.5769E-05	0.000200225	0.000110451	0.000144629	0.000103234	9.471E-05	0.000178806	0.000110451	0.00015173
0.000103321	0.000217173	0.000119384	0.000157982	0.000111492	0.000102216	0.000193729	0.000119384	0.000166022
0.000113891	0.000240846	0.000131611	0.000166313	0.000122933	0.000112618	0.000214388	0.000131611	0.000175024
0.000125633	0.000269641	0.000146142	0.000215354	0.000136041	0.000124399	0.000239258	0.000146142	0.000219557
0.000125108	0.000276739	0.0001497	0.000219107	0.000137154	0.000124976	0.00024512	0.0001497	0.000223659
0.000127738	0.000281776	0.000152448	0.000222549	0.000139811	0.000127454	0.000249367	0.000152448	0.00022731
0.000137339	0.000304456	0.000164108	0.000224772	0.000150526	0.000137111	0.000269466	0.000164108	0.00022967
0.000151014	0.000337265	0.000181122	0.000228737	0.000165995	0.000151019	0.00029878	0.000181122	0.000233897
0.000167651	0.000377546	0.000202714	0.000223522	0.000185207	0.000168272	0.000335352	0.000202714	0.000229621
0.000174232	0.000393049	0.000211122	0.000222663	0.000192717	0.000175047	0.000349377	0.000211122	0.00022871
0.00017707	0.00039967	0.000215198	0.000214792	0.000196132	0.000178136	0.00035568	0.000215198	0.000220278
0.000176114	0.000395689	0.000213903	0.000208554	0.000194866	0.000177121	0.00035219	0.000213903	0.000212314
0.000190824	0.000430508	0.000232277	0.000196235	0.000211496	0.000192108	0.000383389	0.000232277	0.000199149
0.000200001	0.000452074	0.000243491	0.000188209	0.000221757	0.000201364	0.000402555	0.000243491	0.000190586
0.000195856	0.000437961	0.000235262	0.000184167	0.000215477	0.000195997	0.00038819	0.000235262	0.000186293
0.000189433	0.000416868	0.000222147	0.00016824	0.000205664	0.000187545	0.000366309	0.000222147	0.000171913
0.000180104	0.000391639	0.00020776	0.000151967	0.000193749	0.000177016	0.000342102	0.00020776	0.000157006
0.00017149	0.000369949	0.000195555	0.000138392	0.000183514	0.000167833	0.000322543	0.000195555	0.0001438
0.000156991	0.000328627	0.000174161	0.000126151	0.000165904	0.000152298	0.000286538	0.000174161	0.000131882
0.000138345	0.000289965	0.000154016	0.000120824	0.000146555	0.000134483	0.000253581	0.000154016	0.000126187

0.000124976	0.00026298	0.00014116	0.00011607	0.000133384	0.000122303	0.000231632	0.00014116	0.000121119
0.000107013	0.000226232	0.000122407	0.000119887	0.00011505	0.000105386	0.000200734	0.000122407	0.000125218
0.000100629	0.000212622	0.000116003	0.000123147	0.000108594	9.94698E-05	0.000189484	0.000116003	0.000128717
9.61459E-05	0.00020197	0.000110889	0.000131807	0.000103718	9.50831E-05	0.000180275	0.000110889	0.000137994
9.5769E-05	0.000200225	0.000110451	0.000144629	0.000103234	9.471E-05	0.000178806	0.000110451	0.00015173
0.000103321	0.000217173	0.000119384	0.000157982	0.000111492	0.000102216	0.000193729	0.000119384	0.000166022
0.000113891	0.000240846	0.000131611	0.000166313	0.000122933	0.000112618	0.000214388	0.000131611	0.000175024
0.000125633	0.000269641	0.000146142	0.000215354	0.000136041	0.000124399	0.000239258	0.000146142	0.000219557
0.000125108	0.000276739	0.0001497	0.000219107	0.000137154	0.000124976	0.00024512	0.0001497	0.000223659
0.000127738	0.000281776	0.000152448	0.000222549	0.000139811	0.000127454	0.000249367	0.000152448	0.00022731
0.000137339	0.000304456	0.000164108	0.000224772	0.000150526	0.000137111	0.000269466	0.000164108	0.00022967
0.000151014	0.000337265	0.000181122	0.000228737	0.000165995	0.000151019	0.00029878	0.000181122	0.000233897
0.000167651	0.000377546	0.000202714	0.000223522	0.000185207	0.000168272	0.000335352	0.000202714	0.000229621
0.000174232	0.000393049	0.000211122	0.000222663	0.000192717	0.000175047	0.000349377	0.000211122	0.00022871
0.00017707	0.00039967	0.000215198	0.000214792	0.000196132	0.000178136	0.00035568	0.000215198	0.000220278
0.000176114	0.000395689	0.000213903	0.000208554	0.000194866	0.000177121	0.00035219	0.000213903	0.000212314
0.000190824	0.000430508	0.000232277	0.000196235	0.000211496	0.000192108	0.000383389	0.000232277	0.000199149
0.000200001	0.000452074	0.000243491	0.000188209	0.000221757	0.000201364	0.000402555	0.000243491	0.000190586
0.000195856	0.000437961	0.000235262	0.000184167	0.000215477	0.000195997	0.00038819	0.000235262	0.000186293
0.000189433	0.000416868	0.000222147	0.00016824	0.000205664	0.000187545	0.000366309	0.000222147	0.000171913
0.000180104	0.000391639	0.00020776	0.000151967	0.000193749	0.000177016	0.000342102	0.00020776	0.000157006
0.00017149	0.000369949	0.000195555	0.000138392	0.000183514	0.000167833	0.000322543	0.000195555	0.0001438
0.000156991	0.000328627	0.000174161	0.000126151	0.000165904	0.000152298	0.000286538	0.000174161	0.000131882
0.000138345	0.000289965	0.000154016	0.000120824	0.000146555	0.000134483	0.000253581	0.000154016	0.000126187
0.000124976	0.00026298	0.00014116	0.00011607	0.000133384	0.000122303	0.000231632	0.00014116	0.000121119
0.000106826	0.000225699	0.000122157	0.000119916	0.000114825	0.000105189	0.000200252	0.000122157	0.00012525
0.000100549	0.000212369	0.000115893	0.000123238	0.000108494	9.93843E-05	0.000189256	0.000115893	0.000128815
9.60863E-05	0.000201793	0.000110808	0.000131977	0.000103645	9.502E-05	0.000180115	0.000110808	0.000138178
9.58076E-05	0.000200277	0.000110495	0.00014475	0.000103272	9.47474E-05	0.000178853	0.000110495	0.00015186
0.000103451	0.000217443	0.000119544	0.000158199	0.000111634	0.000102347	0.000193972	0.000119544	0.000166257
0.000114269	0.000241803	0.000132101	0.000166577	0.000123373	0.00011301	0.000215252	0.000132101	0.000175312
0.000124132	0.00026982	0.000146124	0.000215532	0.000135158	0.000123399	0.000239412	0.000146124	0.000219753
0.000125208	0.000276998	0.000149831	0.000219276	0.000137271	0.000125081	0.000245354	0.000149831	0.000223848
0.000127676	0.000281572	0.00015236	0.00022265	0.000139731	0.000127386	0.000249182	0.00015236	0.000227426
0.000136422	0.00030219	0.000162929	0.000224771	0.000149468	0.000136164	0.000267421	0.000162929	0.000229677
0.000149505	0.000333618	0.000179194	0.000228492	0.000164266	0.000149465	0.000295489	0.000179194	0.000233643
0.000165956	0.000373576	0.000200566	0.000223273	0.000183282	0.000166534	0.00033177	0.000200566	0.000229362
0.000172652	0.00038939	0.000209126	0.000222498	0.000190928	0.000173429	0.000346076	0.000209126	0.000228541
0.000174268	0.000393077	0.000211642	0.000214712	0.000192944	0.00017526	0.000349732	0.000211642	0.000220201
0.00017333	0.000389176	0.000210375	0.000208562	0.000191704	0.000174266	0.000346313	0.000210375	0.000212332
0.000187769	0.000423389	0.00022841	0.000195937	0.00020803	0.000188976	0.000376966	0.00022841	0.000198839
0.000196275	0.000443265	0.000238756	0.000187902	0.000217512	0.000197538	0.000394607	0.000238756	0.000190266
0.000192332	0.000429619	0.000230783	0.000183745	0.000211462	0.000192377	0.000380662	0.000230783	0.000185848
0.00018636	0.000409554	0.000218236	0.000167872	0.000202157	0.000184387	0.000359709	0.000218236	0.000171525
0.000177496	0.000385436	0.000204441	0.00015163	0.000190773	0.000174336	0.000336504	0.000204441	0.000156652
0.000170805	0.000364592	0.000192795	0.000138196	0.000181907	0.000166588	0.000317717	0.000192795	0.000143596
0.000155312	0.000324594	0.000172019	0.000125945	0.000163983	0.00015057	0.000282898	0.000172019	0.000131667
0.000136752	0.000286075	0.000151975	0.000120692	0.000144723	0.000132841	0.00025007	0.000151975	0.000126052
0.000123682	0.000260013	0.000139529	0.00011585	0.000131924	0.00012098	0.000228955	0.000139529	0.000120888
0.000106826	0.000225699	0.000122157	0.000119916	0.000114825	0.000105189	0.000200252	0.000122157	0.00012525
0.000100549	0.000212369	0.000115893	0.000123238	0.000108494	9.93843E-05	0.000189256	0.000115893	0.000128815
9.60863E-05	0.000201793	0.000110808	0.000131977	0.000103645	9.502E-05	0.000180115	0.000110808	0.000138178
9.58076E-05	0.000200277	0.000110495	0.00014475	0.000103272	9.47474E-05	0.000178853	0.000110495	0.00015186
0.000103451	0.000217443	0.000119544	0.000158199	0.000111634	0.000102347	0.000193972	0.000119544	0.000166257
0.000114269	0.000241803	0.000132101	0.000166577	0.000123373	0.00011301	0.000215252	0.000132101	0.000175312
0.000124132	0.00026982	0.000146124	0.000215532	0.000135158	0.000123399	0.000239412	0.000146124	0.000219753
0.000125208	0.000276998	0.000149831	0.000219276	0.000137271	0.000125081	0.000245354	0.000149831	0.000223848
0.000127676	0.000281572	0.00015236	0.00022265	0.000139731	0.000127386	0.000249182	0.00015236	0.000227426
0.000136422	0.00030219	0.000162929	0.000224771	0.000149468	0.000136164	0.000267421	0.000162929	0.000229677
0.000149505	0.000333618	0.000179194	0.000228492	0.000164266	0.000149465	0.000295489	0.000179194	0.000233643
0.000165956	0.000373576	0.000200566	0.000223273	0.000183282	0.000166534	0.00033177	0.000200566	0.000229362
0.000172652	0.00038939	0.000209126	0.000222498	0.000190928	0.000173429	0.000346076	0.000209126	0.000228541
0.000174268	0.000393077	0.000211642	0.000214712	0.000192944	0.00017526	0.000349732	0.000211642	0.000220201
0.00017333	0.000389176	0.000210375	0.000208562	0.000191704	0.000174266	0.000346313	0.000210375	0.000212332
0.000187769	0.000423389	0.00022841	0.000195937	0.00020803	0.000188976	0.000376966	0.00022841	0.000198839
0.000196275	0.000443265	0.000238756	0.000187902	0.000217512	0.000197538	0.000394607	0.000238756	0.000190266
0.000192332	0.000429619	0.000230783	0.000183745	0.000211462	0.000192377	0.000380662	0.000230783	0.000185848
0.00018636	0.000409554	0.000218236	0.000167872	0.000202157	0.000184387	0.000359709	0.000218236	0.000171525
0.000177496	0.000385436	0.000204441	0.00015163	0.000190773	0.000174336	0.000336504	0.000204441	0.000156652
0.000170805	0.000364592	0.000192795	0.000138196	0.000181907	0.000166588	0.000317717	0.000192795	0.000143596
0.000155312	0.000324594	0.000172019	0.000125945	0.000163983	0.00015057	0.000282898	0.000172019	0.000131667
0.000136752	0.000286075	0.000151975	0.000120692	0.000144723	0.000132841	0.00025007	0.000151975	0.000126052
0.000123682	0.000260013	0.000139529	0.00011585	0.000131924	0.00012098	0.000228955	0.000139529	0.000120888
0.000106826	0.000225699	0.000122157	0.000119916	0.000114825	0.000105189	0.000200252	0.000122157	0.00012525
0.000100549	0.000212369	0.000115893	0.000123238	0.000108494	9.93843E-05	0.000189256	0.000115893	0.000128815
9.60863E-05	0.000201793	0.000110808	0.000131977	0.000103645	9.502E-05	0.000180115	0.000110808	0.000138178

9.58076E-05	0.000200277	0.000110495	0.00014475	0.000103272	9.47474E-05	0.000178853	0.000110495	0.00015186
0.000103451	0.000217443	0.000119544	0.000158199	0.000111634	0.000102347	0.000193972	0.000119544	0.000166257
0.000114269	0.000241803	0.000132101	0.000166577	0.000123373	0.00011301	0.000215252	0.000132101	0.000175312
0.000124132	0.00026982	0.000146124	0.000215532	0.000135158	0.000123399	0.000239412	0.000146124	0.000219753
0.000125208	0.000276998	0.000149831	0.000219276	0.000137271	0.000125081	0.000245354	0.000149831	0.000223848
0.000127676	0.000281572	0.00015236	0.00022265	0.000139731	0.000127386	0.000249182	0.00015236	0.000227426
0.000136422	0.00030219	0.000162929	0.000224771	0.000149468	0.000136164	0.000267421	0.000162929	0.000229677
0.000149505	0.000333618	0.000179194	0.000228492	0.000164266	0.000149465	0.000295489	0.000179194	0.000233643
0.000165956	0.000373576	0.000200566	0.000223273	0.000183282	0.000166534	0.00033177	0.000200566	0.000229362
0.000172652	0.00038939	0.000209126	0.000222498	0.000190928	0.000173429	0.000346076	0.000209126	0.000228541
0.000174268	0.000393077	0.000211642	0.000214712	0.000192944	0.00017526	0.000349732	0.000211642	0.000220201
0.00017333	0.000389176	0.000210375	0.000208562	0.000191704	0.000174266	0.000346313	0.000210375	0.000212332
0.000187769	0.000423389	0.00022841	0.000195937	0.00020803	0.000188976	0.000376966	0.00022841	0.000198839
0.000196275	0.000443265	0.000238756	0.000187902	0.000217512	0.000197538	0.000394607	0.000238756	0.000190266
0.000192332	0.000429619	0.000230783	0.000183745	0.000211462	0.000192377	0.000380662	0.000230783	0.000185848
0.00018636	0.000409554	0.000218236	0.000167872	0.000202157	0.000184387	0.000359709	0.000218236	0.000171525
0.000177496	0.000385436	0.000204441	0.00015163	0.000190773	0.000174336	0.000336504	0.000204441	0.000156652
0.000170805	0.000364592	0.000192795	0.000138196	0.000181907	0.000166588	0.000317717	0.000192795	0.000143596
0.000155312	0.000324594	0.000172019	0.000125945	0.000163983	0.00015057	0.000282898	0.000172019	0.000131667
0.000136752	0.000286075	0.000151975	0.000120692	0.000144723	0.000132841	0.00025007	0.000151975	0.000126052
0.000123682	0.000260013	0.000139529	0.00011585	0.000131924	0.00012098	0.000228955	0.000139529	0.000120888
0.000106826	0.000225699	0.000122157	0.000119916	0.000114825	0.000105189	0.000200252	0.000122157	0.00012525
0.000100549	0.000212369	0.000115893	0.000123238	0.000108494	9.93843E-05	0.000189256	0.000115893	0.000128815
9.60863E-05	0.000201793	0.000110808	0.000131977	0.000103645	9.502E-05	0.000180115	0.000110808	0.000138178
9.58076E-05	0.000200277	0.000110495	0.00014475	0.000103272	9.47474E-05	0.000178853	0.000110495	0.00015186
0.000103451	0.000217443	0.000119544	0.000158199	0.000111634	0.000102347	0.000193972	0.000119544	0.000166257
0.000114269	0.000241803	0.000132101	0.000166577	0.000123373	0.00011301	0.000215252	0.000132101	0.000175312
0.000124132	0.00026982	0.000146124	0.000215532	0.000135158	0.000123399	0.000239412	0.000146124	0.000219753
0.000125208	0.000276998	0.000149831	0.000219276	0.000137271	0.000125081	0.000245354	0.000149831	0.000223848
0.000127676	0.000281572	0.00015236	0.00022265	0.000139731	0.000127386	0.000249182	0.00015236	0.000227426
0.000136422	0.00030219	0.000162929	0.000224771	0.000149468	0.000136164	0.000267421	0.000162929	0.000229677
0.000149505	0.000333618	0.000179194	0.000228492	0.000164266	0.000149465	0.000295489	0.000179194	0.000233643
0.000165956	0.000373576	0.000200566	0.000223273	0.000183282	0.000166534	0.00033177	0.000200566	0.000229362
0.000172652	0.00038939	0.000209126	0.000222498	0.000190928	0.000173429	0.000346076	0.000209126	0.000228541
0.000174268	0.000393077	0.000211642	0.000214712	0.000192944	0.00017526	0.000349732	0.000211642	0.000220201
0.00017333	0.000389176	0.000210375	0.000208562	0.000191704	0.000174266	0.000346313	0.000210375	0.000212332
0.000187769	0.000423389	0.00022841	0.000195937	0.00020803	0.000188976	0.000376966	0.00022841	0.000198839
0.000196275	0.000443265	0.000238756	0.000187902	0.000217512	0.000197538	0.000394607	0.000238756	0.000190266
0.000192332	0.000429619	0.000230783	0.000183745	0.000211462	0.000192377	0.000380662	0.000230783	0.000185848
0.00018636	0.000409554	0.000218236	0.000167872	0.000202157	0.000184387	0.000359709	0.000218236	0.000171525
0.000177496	0.000385436	0.000204441	0.00015163	0.000190773	0.000174336	0.000336504	0.000204441	0.000156652
0.000170805	0.000364592	0.000192795	0.000138196	0.000181907	0.000166588	0.000317717	0.000192795	0.000143596
0.000155312	0.000324594	0.000172019	0.000125945	0.000163983	0.00015057	0.000282898	0.000172019	0.000131667
0.000136752	0.000286075	0.000151975	0.000120692	0.000144723	0.000132841	0.00025007	0.000151975	0.000126052
0.000123682	0.000260013	0.000139529	0.00011585	0.000131924	0.00012098	0.000228955	0.000139529	0.000120888
0.000125998	0.000267641	0.000146042	0.000126453	0.000136185	0.000124692	0.000238081	0.000146042	0.000132199
0.000115601	0.000244485	0.000134531	0.000129848	0.000125149	0.000114652	0.000218219	0.000134531	0.000135844
0.000110081	0.000232403	0.000128243	0.00013838	0.000119237	0.000109256	0.000207724	0.000128243	0.000144981
0.000110979	0.000234784	0.00012958	0.000150193	0.00012036	0.000110252	0.000209983	0.00012958	0.000157617
0.000114657	0.000242618	0.000133598	0.000163338	0.000124212	0.000113783	0.000216683	0.000133598	0.000171687
0.000121111	0.000254445	0.000140299	0.000171694	0.00013067	0.000119845	0.000226642	0.000140299	0.000180738
0.000133358	0.000286704	0.000157155	0.000221497	0.000144973	0.000132605	0.000254624	0.000157155	0.000226085
0.000145798	0.000321266	0.000175373	0.000224693	0.000160103	0.000145984	0.000285278	0.000175373	0.000229594
0.000159098	0.000351701	0.000191702	0.000227477	0.000174935	0.000159426	0.000312443	0.000191702	0.000232551
0.000172888	0.000383341	0.000208552	0.000229188	0.00019029	0.000173334	0.000340623	0.000208552	0.000234369
0.000185535	0.000413212	0.000224189	0.000229582	0.000204517	0.000186159	0.000367283	0.000224189	0.000234777
0.0001976	0.000442347	0.000239926	0.000222743	0.000218474	0.0001987	0.000393796	0.000239926	0.000228757
0.000209816	0.000470867	0.00025545	0.000221639	0.000232359	0.000211243	0.000419565	0.00025545	0.000227581
0.000221	0.000496919	0.000270088	0.000216311	0.000245237	0.000222885	0.000443401	0.000270088	0.000221905
0.00023363	0.000527968	0.000286463	0.000214145	0.000259854	0.000235979	0.000471533	0.000286463	0.000218285
0.000243643	0.000551651	0.000298865	0.00020462	0.00027113	0.00024614	0.000492684	0.000298865	0.00020811
0.000251436	0.000569355	0.000308238	0.000198368	0.000279732	0.000253944	0.000508363	0.000308238	0.000201452
0.000246839	0.000555534	0.000299625	0.000195221	0.000273128	0.000248186	0.000494267	0.000299625	0.000198123
0.000236644	0.000527403	0.000281981	0.000179539	0.000259283	0.000235962	0.000466045	0.000281981	0.000184003
0.000221746	0.000490229	0.000260689	0.000164424	0.000241197	0.000219781	0.000431064	0.000260689	0.000170336
0.000207174	0.000448612	0.000238729	0.000150988	0.000223053	0.000203825	0.000393522	0.000238729	0.000157278
0.000187584	0.000398601	0.000212703	0.000140841	0.000200418	0.000183584	0.000349667	0.000212703	0.000147608
0.000161791	0.000343282	0.00018351	0.000134346	0.000172962	0.000158444	0.000301681	0.00018351	0.000140666
0.00014062	0.000298371	0.000160814	0.000130186	0.000150978	0.00013828	0.00026356	0.000160814	0.000136219
0.000126532	0.000268948	0.000146726	0.000125818	0.000136799	0.000125242	0.000239261	0.000146726	0.000131521
0.000115723	0.000244779	0.000134687	0.000129764	0.000125289	0.000114777	0.000218484	0.000134687	0.000135754
0.00011013	0.000232463	0.000128297	0.000138297	0.000119284	0.000109303	0.000207778	0.000128297	0.000144891
0.000111427	0.000235798	0.000130144	0.000150027	0.000120865	0.00011071	0.000210899	0.000130144	0.000157439
0.000115099	0.000243549	0.000134143	0.000163344	0.0001247	0.00011423	0.000217522	0.000134143	0.000171693
0.000121768	0.000255894	0.000141119	0.000171799	0.000131403	0.000120514	0.000227949	0.000141119	0.000180851
0.000135611	0.000288332	0.000158134	0.000221513	0.000146717	0.00013438	0.0002561	0.000158134	0.0002261

0.000145682	0.000320921	0.000175216	0.000224696	0.00015996	0.000145861	0.000284966	0.000175216	0.000229596
0.00015836	0.000349852	0.000190749	0.000227498	0.00017408	0.000158662	0.000310774	0.000190749	0.000232572
0.000172481	0.000382349	0.000208031	0.000229108	0.000189822	0.000172914	0.000339728	0.000208031	0.000234281
0.000186246	0.000414817	0.000225081	0.000229446	0.000205316	0.000186884	0.000368731	0.000225081	0.000234629
0.000198446	0.000444432	0.000241012	0.000222478	0.00021945	0.000199573	0.000395677	0.000241012	0.000228471
0.000210881	0.00047344	0.000256811	0.000221268	0.00023358	0.00021234	0.000421887	0.000256811	0.000227182
0.000222917	0.000501575	0.000272541	0.000216011	0.000247438	0.000224861	0.000447603	0.000272541	0.000221579
0.000235827	0.000533219	0.000289262	0.000214179	0.000262364	0.000238237	0.000476272	0.000289262	0.000218316
0.000246117	0.000557581	0.00030202	0.000204947	0.000273959	0.000248685	0.000498036	0.00030202	0.000208453
0.000255253	0.000578436	0.000313096	0.000198669	0.000284087	0.000257867	0.000516558	0.000313096	0.000201767
0.000250795	0.000564809	0.000304641	0.00019536	0.000277623	0.000252243	0.000502635	0.000304641	0.000198263
0.000240946	0.000537472	0.000287433	0.000179601	0.000264169	0.000240374	0.00047513	0.000287433	0.00018406
0.000225697	0.000499494	0.000265699	0.00016446	0.000245686	0.000223835	0.000439424	0.000265699	0.000170365
0.00020906	0.000456794	0.000243014	0.00015092	0.000226027	0.000206303	0.000400897	0.000243014	0.000157196
0.000190737	0.000405984	0.000216698	0.000140942	0.000203999	0.000186817	0.000356329	0.000216698	0.000147707
0.000164113	0.000348637	0.000186441	0.000134587	0.000175588	0.000160821	0.000306513	0.000186441	0.000140917
0.000142891	0.000303656	0.000163687	0.00013056	0.000153553	0.000140607	0.000268328	0.000163687	0.000136613
0.000126532	0.000268948	0.000146726	0.000125818	0.000136799	0.000125242	0.000239261	0.000146726	0.000131521
0.000115723	0.000244779	0.000134687	0.000129764	0.000125289	0.000114777	0.000218484	0.000134687	0.000135754
0.00011013	0.000232463	0.000128297	0.000138297	0.000119284	0.000109303	0.000207778	0.000128297	0.000144891
0.000111427	0.000235798	0.000130144	0.000150027	0.000120865	0.00011071	0.000210899	0.000130144	0.000157439
0.000115099	0.000243549	0.000134143	0.000163344	0.0001247	0.00011423	0.000217522	0.000134143	0.000171693
0.000121768	0.000255894	0.000141119	0.000171799	0.000131403	0.000120514	0.000227949	0.000141119	0.000180851
0.000135611	0.000288332	0.000158134	0.000221513	0.000146717	0.00013438	0.0002561	0.000158134	0.0002261
0.000145682	0.000320921	0.000175216	0.000224696	0.00015996	0.000145861	0.000284966	0.000175216	0.000229596
0.00015836	0.000349852	0.000190749	0.000227498	0.00017408	0.000158662	0.000310774	0.000190749	0.000232572
0.000172481	0.000382349	0.000208031	0.000229108	0.000189822	0.000172914	0.000339728	0.000208031	0.000234281
0.000186246	0.000414817	0.000225081	0.000229446	0.000205316	0.000186884	0.000368731	0.000225081	0.000234629
0.000198446	0.000444432	0.000241012	0.000222478	0.00021945	0.000199573	0.000395677	0.000241012	0.000228471
0.000210881	0.00047344	0.000256811	0.000221268	0.00023358	0.00021234	0.000421887	0.000256811	0.000227182
0.000222917	0.000501575	0.000272541	0.000216011	0.000247438	0.000224861	0.000447603	0.000272541	0.000221579
0.000235827	0.000533219	0.000289262	0.000214179	0.000262364	0.000238237	0.000476272	0.000289262	0.000218316
0.000246117	0.000557581	0.00030202	0.000204947	0.000273959	0.000248685	0.000498036	0.00030202	0.000208453
0.000255253	0.000578436	0.000313096	0.000198669	0.000284087	0.000257867	0.000516558	0.000313096	0.000201767
0.000250795	0.000564809	0.000304641	0.00019536	0.000277623	0.000252243	0.000502635	0.000304641	0.000198263
0.000240946	0.000537472	0.000287433	0.000179601	0.000264169	0.000240374	0.00047513	0.000287433	0.00018406
0.000225697	0.000499494	0.000265699	0.00016446	0.000245686	0.000223835	0.000439424	0.000265699	0.000170365
0.00020906	0.000456794	0.000243014	0.00015092	0.000226027	0.000206303	0.000400897	0.000243014	0.000157196
0.000190737	0.000405984	0.000216698	0.000140942	0.000203999	0.000186817	0.000356329	0.000216698	0.000147707
0.000164113	0.000348637	0.000186441	0.000134587	0.000175588	0.000160821	0.000306513	0.000186441	0.000140917
0.000142891	0.000303656	0.000163687	0.00013056	0.000153553	0.000140607	0.000268328	0.000163687	0.000136613
0.000126532	0.000268948	0.000146726	0.000125818	0.000136799	0.000125242	0.000239261	0.000146726	0.000131521
0.000115723	0.000244779	0.000134687	0.000129764	0.000125289	0.000114777	0.000218484	0.000134687	0.000135754
0.00011013	0.000232463	0.000128297	0.000138297	0.000119284	0.000109303	0.000207778	0.000128297	0.000144891
0.000111427	0.000235798	0.000130144	0.000150027	0.000120865	0.00011071	0.000210899	0.000130144	0.000157439
0.000115099	0.000243549	0.000134143	0.000163344	0.0001247	0.00011423	0.000217522	0.000134143	0.000171693
0.000121768	0.000255894	0.000141119	0.000171799	0.000131403	0.000120514	0.000227949	0.000141119	0.000180851
0.000135611	0.000288332	0.000158134	0.000221513	0.000146717	0.00013438	0.0002561	0.000158134	0.0002261
0.000145682	0.000320921	0.000175216	0.000224696	0.00015996	0.000145861	0.000284966	0.000175216	0.000229596
0.00015836	0.000349852	0.000190749	0.000227498	0.00017408	0.000158662	0.000310774	0.000190749	0.000232572
0.000172481	0.000382349	0.000208031	0.000229108	0.000189822	0.000172914	0.000339728	0.000208031	0.000234281
0.000186246	0.000414817	0.000225081	0.000229446	0.000205316	0.000186884	0.000368731	0.000225081	0.000234629
0.000198446	0.000444432	0.000241012	0.000222478	0.00021945	0.000199573	0.000395677	0.000241012	0.000228471
0.000210881	0.00047344	0.000256811	0.000221268	0.00023358	0.00021234	0.000421887	0.000256811	0.000227182
0.000222917	0.000501575	0.000272541	0.000216011	0.000247438	0.000224861	0.000447603	0.000272541	0.000221579
0.000235827	0.000533219	0.000289262	0.000214179	0.000262364	0.000238237	0.000476272	0.000289262	0.000218316
0.000246117	0.000557581	0.00030202	0.000204947	0.000273959	0.000248685	0.000498036	0.00030202	0.000208453
0.000255253	0.000578436	0.000313096	0.000198669	0.000284087	0.000257867	0.000516558	0.000313096	0.000201767
0.000250795	0.000564809	0.000304641	0.00019536	0.000277623	0.000252243	0.000502635	0.000304641	0.000198263
0.000240946	0.000537472	0.000287433	0.000179601	0.000264169	0.000240374	0.00047513	0.000287433	0.00018406
0.000225697	0.000499494	0.000265699	0.00016446	0.000245686	0.000223835	0.000439424	0.000265699	0.000170365
0.00020906	0.000456794	0.000243014	0.00015092	0.000226027	0.000206303	0.000400897	0.000243014	0.000157196
0.000190737	0.000405984	0.000216698	0.000140942	0.000203999	0.000186817	0.000356329	0.000216698	0.000147707
0.000164113	0.000348637	0.000186441	0.000134587	0.000175588	0.000160821	0.000306513	0.000186441	0.000140917
0.000142891	0.000303656	0.000163687	0.00013056	0.000153553	0.000140607	0.000268328	0.000163687	0.000136613
0.000125998	0.000267641	0.000146042	0.000126453	0.000136185	0.000124692	0.000238081	0.000146042	0.000132199
0.000115601	0.000244485	0.000134531	0.000129848	0.000125149	0.000114652	0.000218219	0.000134531	0.000135844
0.000110081	0.000232403	0.000128243	0.00013838	0.000119237	0.000109256	0.000207724	0.000128243	0.000144981
0.000110979	0.000234784	0.00012958	0.000150193	0.00012036	0.000110252	0.000209983	0.00012958	0.000157617
0.000114657	0.000242618	0.000133598	0.000163338	0.000124212	0.000113783	0.000216683	0.000133598	0.000171687
0.000121111	0.000254445	0.000140299	0.000171694	0.00013067	0.000119845	0.000226642	0.000140299	0.000180738
0.000133358	0.000286704	0.000157155	0.000221497	0.000144973	0.000132605	0.000254624	0.000157155	0.000226085
0.000145798	0.000321266	0.000175373	0.000224693	0.000160103	0.000145984	0.000285278	0.000175373	0.000229594
0.000159098	0.000351701	0.000191702	0.000227477	0.000174935	0.000159426	0.000312443	0.000191702	0.000232551
0.000172888	0.000383341	0.000208552	0.000229188	0.00019029	0.000173334	0.000340623	0.000208552	0.000234369
0.000185535	0.000413212	0.000224189	0.000229582	0.000204517	0.000186159	0.000367283	0.000224189	0.000234777

0.0001976	0.000442347	0.000239926	0.000222743	0.000218474	0.0001987	0.000393796	0.000239926	0.000228757
0.000209816	0.000470867	0.00025545	0.000221639	0.000232359	0.000211243	0.000419565	0.00025545	0.000227581
0.000221	0.000496919	0.000270088	0.000216311	0.000245237	0.000222885	0.000443401	0.000270088	0.000221905
0.00023363	0.000527968	0.000286463	0.000214145	0.000259854	0.000235979	0.000471533	0.000286463	0.000218285
0.000243643	0.000551651	0.000298865	0.00020462	0.00027113	0.00024614	0.000492684	0.000298865	0.00020811
0.000251436	0.000569355	0.000308238	0.000198368	0.000279732	0.000253944	0.000508363	0.000308238	0.000201452
0.000246839	0.000555534	0.000299625	0.000195221	0.000273128	0.000248186	0.000494267	0.000299625	0.000198123
0.000236644	0.000527403	0.000281981	0.000179539	0.000259283	0.000235962	0.000466045	0.000281981	0.000184003
0.000221746	0.000490229	0.000260689	0.000164424	0.000241197	0.000219781	0.000431064	0.000260689	0.000170336
0.000207174	0.000448612	0.000238729	0.000150988	0.000223053	0.000203825	0.000393522	0.000238729	0.000157278
0.000187584	0.000398601	0.000212703	0.000140841	0.000200418	0.000183584	0.000349667	0.000212703	0.000147608
0.000161791	0.000343282	0.00018351	0.000134346	0.000172962	0.000158444	0.000301681	0.00018351	0.000140666
0.00014062	0.000298371	0.000160814	0.000130186	0.000150978	0.00013828	0.00026356	0.000160814	0.000136219
0.000125998	0.000267641	0.000146042	0.000126453	0.000136185	0.000124692	0.000238081	0.000146042	0.000132199
0.000115601	0.000244485	0.000134531	0.000129848	0.000125149	0.000114652	0.000218219	0.000134531	0.000135844
0.000110081	0.000232403	0.000128243	0.00013838	0.000119237	0.000109256	0.000207724	0.000128243	0.000144981
0.000110979	0.000234784	0.00012958	0.000150193	0.00012036	0.000110252	0.000209983	0.00012958	0.000157617
0.000114657	0.000242618	0.000133598	0.000163338	0.000124212	0.000113783	0.000216683	0.000133598	0.000171687
0.000121111	0.000254445	0.000140299	0.000171694	0.00013067	0.000119845	0.000226642	0.000140299	0.000180738
0.000133358	0.000286704	0.000157155	0.000221497	0.000144973	0.000132605	0.000254624	0.000157155	0.000226085
0.000145798	0.000321266	0.000175373	0.000224693	0.000160103	0.000145984	0.000285278	0.000175373	0.000229594
0.000159098	0.000351701	0.000191702	0.000227477	0.000174935	0.000159426	0.000312443	0.000191702	0.000232551
0.000172888	0.000383341	0.000208552	0.000229188	0.00019029	0.000173334	0.000340623	0.000208552	0.000234369
0.000185535	0.000413212	0.000224189	0.000229582	0.000204517	0.000186159	0.000367283	0.000224189	0.000234777
0.0001976	0.000442347	0.000239926	0.000222743	0.000218474	0.0001987	0.000393796	0.000239926	0.000228757
0.000209816	0.000470867	0.00025545	0.000221639	0.000232359	0.000211243	0.000419565	0.00025545	0.000227581
0.000221	0.000496919	0.000270088	0.000216311	0.000245237	0.000222885	0.000443401	0.000270088	0.000221905
0.00023363	0.000527968	0.000286463	0.000214145	0.000259854	0.000235979	0.000471533	0.000286463	0.000218285
0.000243643	0.000551651	0.000298865	0.00020462	0.00027113	0.00024614	0.000492684	0.000298865	0.00020811
0.000251436	0.000569355	0.000308238	0.000198368	0.000279732	0.000253944	0.000508363	0.000308238	0.000201452
0.000246839	0.000555534	0.000299625	0.000195221	0.000273128	0.000248186	0.000494267	0.000299625	0.000198123
0.000236644	0.000527403	0.000281981	0.000179539	0.000259283	0.000235962	0.000466045	0.000281981	0.000184003
0.000221746	0.000490229	0.000260689	0.000164424	0.000241197	0.000219781	0.000431064	0.000260689	0.000170336
0.000207174	0.000448612	0.000238729	0.000150988	0.000223053	0.000203825	0.000393522	0.000238729	0.000157278
0.000187584	0.000398601	0.000212703	0.000140841	0.000200418	0.000183584	0.000349667	0.000212703	0.000147608
0.000161791	0.000343282	0.00018351	0.000134346	0.000172962	0.000158444	0.000301681	0.00018351	0.000140666
0.00014062	0.000298371	0.000160814	0.000130186	0.000150978	0.00013828	0.00026356	0.000160814	0.000136219
0.000125998	0.000267641	0.000146042	0.000126453	0.000136185	0.000124692	0.000238081	0.000146042	0.000132199
0.000115601	0.000244485	0.000134531	0.000129848	0.000125149	0.000114652	0.000218219	0.000134531	0.000135844
0.000110081	0.000232403	0.000128243	0.00013838	0.000119237	0.000109256	0.000207724	0.000128243	0.000144981
0.000110979	0.000234784	0.00012958	0.000150193	0.00012036	0.000110252	0.000209983	0.00012958	0.000157617
0.000114657	0.000242618	0.000133598	0.000163338	0.000124212	0.000113783	0.000216683	0.000133598	0.000171687
0.000121111	0.000254445	0.000140299	0.000171694	0.00013067	0.000119845	0.000226642	0.000140299	0.000180738
0.000133358	0.000286704	0.000157155	0.000221497	0.000144973	0.000132605	0.000254624	0.000157155	0.000226085
0.000145798	0.000321266	0.000175373	0.000224693	0.000160103	0.000145984	0.000285278	0.000175373	0.000229594
0.000159098	0.000351701	0.000191702	0.000227477	0.000174935	0.000159426	0.000312443	0.000191702	0.000232551
0.000172888	0.000383341	0.000208552	0.000229188	0.00019029	0.000173334	0.000340623	0.000208552	0.000234369
0.000185535	0.000413212	0.000224189	0.000229582	0.000204517	0.000186159	0.000367283	0.000224189	0.000234777
0.0001976	0.000442347	0.000239926	0.000222743	0.000218474	0.0001987	0.000393796	0.000239926	0.000228757
0.000209816	0.000470867	0.00025545	0.000221639	0.000232359	0.000211243	0.000419565	0.00025545	0.000227581
0.000221	0.000496919	0.000270088	0.000216311	0.000245237	0.000222885	0.000443401	0.000270088	0.000221905
0.00023363	0.000527968	0.000286463	0.000214145	0.000259854	0.000235979	0.000471533	0.000286463	0.000218285

0.000243643	0.000551651	0.000298865	0.00020462	0.00027113	0.00024614	0.000492684	0.000298865	0.00020811
0.000251436	0.000569355	0.000308238	0.000198368	0.000279732	0.000253944	0.000508363	0.000308238	0.000201452
0.000246839	0.000555534	0.000299625	0.000195221	0.000273128	0.000248186	0.000494267	0.000299625	0.000198123
0.000236644	0.000527403	0.000281981	0.000179539	0.000259283	0.000235962	0.000466045	0.000281981	0.000184003
0.000221746	0.000490229	0.000260689	0.000164424	0.000241197	0.000219781	0.000431064	0.000260689	0.000170336
0.000207174	0.000448612	0.000238729	0.000150988	0.000223053	0.000203825	0.000393522	0.000238729	0.000157278
0.000187584	0.000398601	0.000212703	0.000140841	0.000200418	0.000183584	0.000349667	0.000212703	0.000147608
0.000161791	0.000343282	0.00018351	0.000134346	0.000172962	0.000158444	0.000301681	0.00018351	0.000140666
0.00014062	0.000298371	0.000160814	0.000130186	0.000150978	0.00013828	0.00026356	0.000160814	0.000136219
0.000126532	0.000268948	0.000146726	0.000125818	0.000136799	0.000125242	0.000239261	0.000146726	0.000131521
0.000115723	0.000244779	0.000134687	0.000129764	0.000125289	0.000114777	0.000218484	0.000134687	0.000135754
0.00011013	0.000232463	0.000128297	0.000138297	0.000119284	0.000109303	0.000207778	0.000128297	0.000144891
0.000111427	0.000235798	0.000130144	0.000150027	0.000120865	0.00011071	0.000210899	0.000130144	0.000157439
0.000115099	0.000243549	0.000134143	0.000163344	0.0001247	0.00011423	0.000217522	0.000134143	0.000171693
0.000121768	0.000255894	0.000141119	0.000171799	0.000131403	0.000120514	0.000227949	0.000141119	0.000180851
0.000135611	0.000288332	0.000158134	0.000221513	0.000146717	0.00013438	0.0002561	0.000158134	0.0002261
0.000145682	0.000320921	0.000175216	0.000224696	0.00015996	0.000145861	0.000284966	0.000175216	0.000229596
0.00015836	0.000349852	0.000190749	0.000227498	0.00017408	0.000158662	0.000310774	0.000190749	0.000232572
0.000172481	0.000382349	0.000208031	0.000229108	0.000189822	0.000172914	0.000339728	0.000208031	0.000234281
0.000186246	0.000414817	0.000225081	0.000229446	0.000205316	0.000186884	0.000368731	0.000225081	0.000234629
0.000198446	0.000444432	0.000241012	0.000222478	0.00021945	0.000199573	0.000395677	0.000241012	0.000228471
0.000210881	0.00047344	0.000256811	0.000221268	0.00023358	0.00021234	0.000421887	0.000256811	0.000227182
0.000222917	0.000501575	0.000272541	0.000216011	0.000247438	0.000224861	0.000447603	0.000272541	0.000221579
0.000235827	0.000533219	0.000289262	0.000214179	0.000262364	0.000238237	0.000476272	0.000289262	0.000218316
0.000246117	0.000557581	0.00030202	0.000204947	0.000273959	0.000248685	0.000498036	0.00030202	0.000208453
0.000255253	0.000578436	0.000313096	0.000198669	0.000284087	0.000257867	0.000516558	0.000313096	0.000201767
0.000250795	0.000564809	0.000304641	0.00019536	0.000277623	0.000252243	0.000502635	0.000304641	0.000198263
0.000240946	0.000537472	0.000287433	0.000179601	0.000264169	0.000240374	0.00047513	0.000287433	0.00018406
0.000225697	0.000499494	0.000265699	0.00016446	0.000245686	0.000223835	0.000439424	0.000265699	0.000170365
0.00020906	0.000456794	0.000243014	0.00015092	0.000226027	0.000206303	0.000400897	0.000243014	0.000157196
0.000190737	0.000405984	0.000216698	0.000140942	0.000203999	0.000186817	0.000356329	0.000216698	0.000147707
0.000164113	0.000348637	0.000186441	0.000134587	0.000175588	0.000160821	0.000306513	0.000186441	0.000140917
0.000142891	0.000303656	0.000163687	0.00013056	0.000153553	0.000140607	0.000268328	0.000163687	0.000136613
0.000126532	0.000268948	0.000146726	0.000125818	0.000136799	0.000125242	0.000239261	0.000146726	0.000131521
0.000115723	0.000244779	0.000134687	0.000129764	0.000125289	0.000114777	0.000218484	0.000134687	0.000135754
0.00011013	0.000232463	0.000128297	0.000138297	0.000119284	0.000109303	0.000207778	0.000128297	0.000144891
0.000111427	0.000235798	0.000130144	0.000150027	0.000120865	0.00011071	0.000210899	0.000130144	0.000157439
0.000115099	0.000243549	0.000134143	0.000163344	0.0001247	0.00011423	0.000217522	0.000134143	0.000171693
0.000121768	0.000255894	0.000141119	0.000171799	0.000131403	0.000120514	0.000227949	0.000141119	0.000180851
0.000135611	0.000288332	0.000158134	0.000221513	0.000146717	0.00013438	0.0002561	0.000158134	0.0002261
0.000145682	0.000320921	0.000175216	0.000224696	0.00015996	0.000145861	0.000284966	0.000175216	0.000229596
0.00015836	0.000349852	0.000190749	0.000227498	0.00017408	0.000158662	0.000310774	0.000190749	0.000232572
0.000172481	0.000382349	0.000208031	0.000229108	0.000189822	0.000172914	0.000339728	0.000208031	0.000234281
0.000186246	0.000414817	0.000225081	0.000229446	0.000205316	0.000186884	0.000368731	0.000225081	0.000234629
0.000198446	0.000444432	0.000241012	0.000222478	0.00021945	0.000199573	0.000395677	0.000241012	0.000228471
0.000210881	0.00047344	0.000256811	0.000221268	0.00023358	0.00021234	0.000421887	0.000256811	0.000227182
0.000222917	0.000501575	0.000272541	0.000216011	0.000247438	0.000224861	0.000447603	0.000272541	0.000221579
0.000235827	0.000533219	0.000289262	0.000214179	0.000262364	0.000238237	0.000476272	0.000289262	0.000218316
0.000246117	0.000557581	0.00030202	0.000204947	0.000273959	0.000248685	0.000498036	0.00030202	0.000208453
0.000255253	0.000578436	0.000313096	0.000198669	0.000284087	0.000257867	0.000516558	0.000313096	0.000201767
0.000250795	0.000564809	0.000304641	0.00019536	0.000277623	0.000252243	0.000502635	0.000304641	0.000198263
0.000240946	0.000537472	0.000287433	0.000179601	0.000264169	0.000240374	0.00047513	0.000287433	0.00018406
0.000225697	0.000499494	0.000265699	0.00016446	0.000245686	0.000223835	0.000439424	0.000265699	0.000170365
0.00020906	0.000456794	0.000243014	0.00015092	0.000226027	0.000206303	0.000400897	0.000243014	0.000157196
0.000190737	0.000405984	0.000216698	0.000140942	0.000203999	0.000186817	0.000356329	0.000216698	0.000147707
0.000164113	0.000348637	0.000186441	0.000134587	0.000175588	0.000160821	0.000306513	0.000186441	0.000140917
0.000142891	0.000303656	0.000163687	0.00013056	0.000153553	0.000140607	0.000268328	0.000163687	0.000136613
0.000125998	0.000267641	0.000146042	0.000126453	0.000136185	0.000124692	0.000238081	0.000146042	0.000132199
0.000115601	0.000244485	0.000134531	0.000129848	0.000125149	0.000114652	0.000218219	0.000134531	0.000135844
0.000110081	0.000232403	0.000128243	0.00013838	0.000119237	0.000109256	0.000207724	0.000128243	0.000144981
0.000110979	0.000234784	0.00012958	0.000150193	0.00012036	0.000110252	0.000209983	0.00012958	0.000157617
0.000114657	0.000242618	0.000133598	0.000163338	0.000124212	0.000113783	0.000216683	0.000133598	0.000171687
0.000121111	0.000254445	0.000140299	0.000171694	0.00013067	0.000119845	0.000226642	0.000140299	0.000180738
0.000133358	0.000286704	0.000157155	0.000221497	0.000144973	0.000132605	0.000254624	0.000157155	0.000226085
0.000145798	0.000321266	0.000175373	0.000224693	0.000160103	0.000145984	0.000285278	0.000175373	0.000229594
0.000159098	0.000351701	0.000191702	0.000227477	0.000174935	0.000159426	0.000312443	0.000191702	0.000232551
0.000172888	0.000383341	0.000208552	0.000229188	0.00019029	0.000173334	0.000340623	0.000208552	0.000234369
0.000185535	0.000413212	0.000224189	0.000229582	0.000204517	0.000186159	0.000367283	0.000224189	0.000234777
0.0001976	0.000442347	0.000239926	0.000222743	0.000218474	0.0001987	0.000393796	0.000239926	0.000228757
0.000209816	0.000470867	0.00025545	0.000221639	0.000232359	0.000211243	0.000419565	0.00025545	0.000227581
0.000221	0.000496919	0.000270088	0.000216311	0.000245237	0.000222885	0.000443401	0.000270088	0.000221905
0.00023363	0.000527968	0.000286463	0.000214145	0.000259854	0.000235979	0.000471533	0.000286463	0.000218285
0.000243643	0.000551651	0.000298865	0.00020462	0.00027113	0.00024614	0.000492684	0.000298865	0.00020811
0.000251436	0.000569355	0.000308238	0.000198368	0.000279732	0.000253944	0.000508363	0.000308238	0.000201452
0.000246839	0.000555534	0.000299625	0.000195221	0.000273128	0.000248186	0.000494267	0.000299625	0.000198123
0.000236644	0.000527403	0.000281981	0.000179539	0.000259283	0.000235962	0.000466045	0.000281981	0.000184003

0.000221746	0.000490229	0.000260689	0.000164424	0.000241197	0.000219781	0.000431064	0.000260689	0.000170336
0.000207174	0.000448612	0.000238729	0.000150988	0.000223053	0.000203825	0.000393522	0.000238729	0.000157278
0.000187584	0.000398601	0.000212703	0.000140841	0.000200418	0.000183584	0.000349667	0.000212703	0.000147608
0.000161791	0.000343282	0.00018351	0.000134346	0.000172962	0.000158444	0.000301681	0.00018351	0.000140666
0.00014062	0.000298371	0.000160814	0.000130186	0.000150978	0.00013828	0.00026356	0.000160814	0.000136219
0.000125998	0.000267641	0.000146042	0.000126453	0.000136185	0.000124692	0.000238081	0.000146042	0.000132199
0.000115601	0.000244485	0.000134531	0.000129848	0.000125149	0.000114652	0.000218219	0.000134531	0.000135844
0.000110081	0.000232403	0.000128243	0.00013838	0.000119237	0.000109256	0.000207724	0.000128243	0.000144981
0.000110979	0.000234784	0.00012958	0.000150193	0.00012036	0.000110252	0.000209983	0.00012958	0.000157617
0.000114657	0.000242618	0.000133598	0.000163338	0.000124212	0.000113783	0.000216683	0.000133598	0.000171687
0.000121111	0.000254445	0.000140299	0.000171694	0.00013067	0.000119845	0.000226642	0.000140299	0.000180738
0.000133358	0.000286704	0.000157155	0.000221497	0.000144973	0.000132605	0.000254624	0.000157155	0.000226085
0.000145798	0.000321266	0.000175373	0.000224693	0.000160103	0.000145984	0.000285278	0.000175373	0.000229594
0.000159098	0.000351701	0.000191702	0.000227477	0.000174935	0.000159426	0.000312443	0.000191702	0.000232551
0.000172888	0.000383341	0.000208552	0.000229188	0.00019029	0.000173334	0.000340623	0.000208552	0.000234369
0.000185535	0.000413212	0.000224189	0.000229582	0.000204517	0.000186159	0.000367283	0.000224189	0.000234777
0.0001976	0.000442347	0.000239926	0.000222743	0.000218474	0.0001987	0.000393796	0.000239926	0.000228757
0.000209816	0.000470867	0.00025545	0.000221639	0.000232359	0.000211243	0.000419565	0.00025545	0.000227581
0.000221	0.000496919	0.000270088	0.000216311	0.000245237	0.000222885	0.000443401	0.000270088	0.000221905
0.00023363	0.000527968	0.000286463	0.000214145	0.000259854	0.000235979	0.000471533	0.000286463	0.000218285
0.000243643	0.000551651	0.000298865	0.00020462	0.00027113	0.00024614	0.000492684	0.000298865	0.00020811
0.000251436	0.000569355	0.000308238	0.000198368	0.000279732	0.000253944	0.000508363	0.000308238	0.000201452
0.000246839	0.000555534	0.000299625	0.000195221	0.000273128	0.000248186	0.000494267	0.000299625	0.000198123
0.000236644	0.000527403	0.000281981	0.000179539	0.000259283	0.000235962	0.000466045	0.000281981	0.000184003
0.000221746	0.000490229	0.000260689	0.000164424	0.000241197	0.000219781	0.000431064	0.000260689	0.000170336
0.000207174	0.000448612	0.000238729	0.000150988	0.000223053	0.000203825	0.000393522	0.000238729	0.000157278
0.000187584	0.000398601	0.000212703	0.000140841	0.000200418	0.000183584	0.000349667	0.000212703	0.000147608
0.000161791	0.000343282	0.00018351	0.000134346	0.000172962	0.000158444	0.000301681	0.00018351	0.000140666
0.00014062	0.000298371	0.000160814	0.000130186	0.000150978	0.00013828	0.00026356	0.000160814	0.000136219
0.000125998	0.000267641	0.000146042	0.000126453	0.000136185	0.000124692	0.000238081	0.000146042	0.000132199
0.000115601	0.000244485	0.000134531	0.000129848	0.000125149	0.000114652	0.000218219	0.000134531	0.000135844
0.000110081	0.000232403	0.000128243	0.00013838	0.000119237	0.000109256	0.000207724	0.000128243	0.000144981
0.000110979	0.000234784	0.00012958	0.000150193	0.00012036	0.000110252	0.000209983	0.00012958	0.000157617
0.000114657	0.000242618	0.000133598	0.000163338	0.000124212	0.000113783	0.000216683	0.000133598	0.000171687
0.000121111	0.000254445	0.000140299	0.000171694	0.00013067	0.000119845	0.000226642	0.000140299	0.000180738
0.000133358	0.000286704	0.000157155	0.000221497	0.000144973	0.000132605	0.000254624	0.000157155	0.000226085
0.000145798	0.000321266	0.000175373	0.000224693	0.000160103	0.000145984	0.000285278	0.000175373	0.000229594
0.000159098	0.000351701	0.000191702	0.000227477	0.000174935	0.000159426	0.000312443	0.000191702	0.000232551
0.000172888	0.000383341	0.000208552	0.000229188	0.00019029	0.000173334	0.000340623	0.000208552	0.000234369
0.000185535	0.000413212	0.000224189	0.000229582	0.000204517	0.000186159	0.000367283	0.000224189	0.000234777
0.0001976	0.000442347	0.000239926	0.000222743	0.000218474	0.0001987	0.000393796	0.000239926	0.000228757
0.000209816	0.000470867	0.00025545	0.000221639	0.000232359	0.000211243	0.000419565	0.00025545	0.000227581
0.000221	0.000496919	0.000270088	0.000216311	0.000245237	0.000222885	0.000443401	0.000270088	0.000221905
0.00023363	0.000527968	0.000286463	0.000214145	0.000259854	0.000235979	0.000471533	0.000286463	0.000218285
0.000243643	0.000551651	0.000298865	0.00020462	0.00027113	0.00024614	0.000492684	0.000298865	0.00020811
0.000251436	0.000569355	0.000308238	0.000198368	0.000279732	0.000253944	0.000508363	0.000308238	0.000201452
0.000246839	0.000555534	0.000299625	0.000195221	0.000273128	0.000248186	0.000494267	0.000299625	0.000198123
0.000236644	0.000527403	0.000281981	0.000179539	0.000259283	0.000235962	0.000466045	0.000281981	0.000184003
0.000221746	0.000490229	0.000260689	0.000164424	0.000241197	0.000219781	0.000431064	0.000260689	0.000170336
0.000207174	0.000448612	0.000238729	0.000150988	0.000223053	0.000203825	0.000393522	0.000238729	0.000157278
0.000187584	0.000398601	0.000212703	0.000140841	0.000200418	0.000183584	0.000349667	0.000212703	0.000147608
0.000161791	0.000343282	0.00018351	0.000134346	0.000172962	0.000158444	0.000301681	0.00018351	0.000140666

0.00014062	0.000298371	0.000160814	0.000130186	0.000150978	0.00013828	0.00026356	0.000160814	0.000136219
0.000125998	0.000267641	0.000146042	0.000126453	0.000136185	0.000124692	0.000238081	0.000146042	0.000132199
0.000115601	0.000244485	0.000134531	0.000129848	0.000125149	0.000114652	0.000218219	0.000134531	0.000135844
0.000110081	0.000232403	0.000128243	0.00013838	0.000119237	0.000109256	0.000207724	0.000128243	0.000144981
0.000110979	0.000234784	0.00012958	0.000150193	0.00012036	0.000110252	0.000209983	0.00012958	0.000157617
0.000114657	0.000242618	0.000133598	0.000163338	0.000124212	0.000113783	0.000216683	0.000133598	0.000171687
0.000121111	0.000254445	0.000140299	0.000171694	0.00013067	0.000119845	0.000226642	0.000140299	0.000180738
0.000133358	0.000286704	0.000157155	0.000221497	0.000144973	0.000132605	0.000254624	0.000157155	0.000226085
0.000145798	0.000321266	0.000175373	0.000224693	0.000160103	0.000145984	0.000285278	0.000175373	0.000229594
0.000159098	0.000351701	0.000191702	0.000227477	0.000174935	0.000159426	0.000312443	0.000191702	0.000232551
0.000172888	0.000383341	0.000208552	0.000229188	0.00019029	0.000173334	0.000340623	0.000208552	0.000234369
0.000185535	0.000413212	0.000224189	0.000229582	0.000204517	0.000186159	0.000367283	0.000224189	0.000234777
0.0001976	0.000442347	0.000239926	0.000222743	0.000218474	0.0001987	0.000393796	0.000239926	0.000228757
0.000209816	0.000470867	0.00025545	0.000221639	0.000232359	0.000211243	0.000419565	0.00025545	0.000227581
0.000221	0.000496919	0.000270088	0.000216311	0.000245237	0.000222885	0.000443401	0.000270088	0.000221905
0.00023363	0.000527968	0.000286463	0.000214145	0.000259854	0.000235979	0.000471533	0.000286463	0.000218285
0.000243643	0.000551651	0.000298865	0.00020462	0.00027113	0.00024614	0.000492684	0.000298865	0.00020811
0.000251436	0.000569355	0.000308238	0.000198368	0.000279732	0.000253944	0.000508363	0.000308238	0.000201452
0.000246839	0.000555534	0.000299625	0.000195221	0.000273128	0.000248186	0.000494267	0.000299625	0.000198123
0.000236644	0.000527403	0.000281981	0.000179539	0.000259283	0.000235962	0.000466045	0.000281981	0.000184003
0.000221746	0.000490229	0.000260689	0.000164424	0.000241197	0.000219781	0.000431064	0.000260689	0.000170336
0.000207174	0.000448612	0.000238729	0.000150988	0.000223053	0.000203825	0.000393522	0.000238729	0.000157278
0.000187584	0.000398601	0.000212703	0.000140841	0.000200418	0.000183584	0.000349667	0.000212703	0.000147608
0.000161791	0.000343282	0.00018351	0.000134346	0.000172962	0.000158444	0.000301681	0.00018351	0.000140666
0.00014062	0.000298371	0.000160814	0.000130186	0.000150978	0.00013828	0.00026356	0.000160814	0.000136219
0.000126532	0.000268948	0.000146726	0.000125818	0.000136799	0.000125242	0.000239261	0.000146726	0.000131521
0.000115723	0.000244779	0.000134687	0.000129764	0.000125289	0.000114777	0.000218484	0.000134687	0.000135754
0.00011013	0.000232463	0.000128297	0.000138297	0.000119284	0.000109303	0.000207778	0.000128297	0.000144891
0.000111427	0.000235798	0.000130144	0.000150027	0.000120865	0.00011071	0.000210899	0.000130144	0.000157439
0.000115099	0.000243549	0.000134143	0.000163344	0.0001247	0.00011423	0.000217522	0.000134143	0.000171693
0.000121768	0.000255894	0.000141119	0.000171799	0.000131403	0.000120514	0.000227949	0.000141119	0.000180851
0.000135611	0.000288332	0.000158134	0.000221513	0.000146717	0.00013438	0.0002561	0.000158134	0.0002261
0.000145682	0.000320921	0.000175216	0.000224696	0.00015996	0.000145861	0.000284966	0.000175216	0.000229596
0.00015836	0.000349852	0.000190749	0.000227498	0.00017408	0.000158662	0.000310774	0.000190749	0.000232572
0.000172481	0.000382349	0.000208031	0.000229108	0.000189822	0.000172914	0.000339728	0.000208031	0.000234281
0.000186246	0.000414817	0.000225081	0.000229446	0.000205316	0.000186884	0.000368731	0.000225081	0.000234629
0.000198446	0.000444432	0.000241012	0.000222478	0.00021945	0.000199573	0.000395677	0.000241012	0.000228471
0.000210881	0.00047344	0.000256811	0.000221268	0.00023358	0.00021234	0.000421887	0.000256811	0.000227182
0.000222917	0.000501575	0.000272541	0.000216011	0.000247438	0.000224861	0.000447603	0.000272541	0.000221579
0.000235827	0.000533219	0.000289262	0.000214179	0.000262364	0.000238237	0.000476272	0.000289262	0.000218316
0.000246117	0.000557581	0.00030202	0.000204947	0.000273959	0.000248685	0.000498036	0.00030202	0.000208453
0.000255253	0.000578436	0.000313096	0.000198669	0.000284087	0.000257867	0.000516558	0.000313096	0.000201767
0.000250795	0.000564809	0.000304641	0.00019536	0.000277623	0.000252243	0.000502635	0.000304641	0.000198263
0.000240946	0.000537472	0.000287433	0.000179601	0.000264169	0.000240374	0.00047513	0.000287433	0.00018406
0.000225697	0.000499494	0.000265699	0.00016446	0.000245686	0.000223835	0.000439424	0.000265699	0.000170365
0.00020906	0.000456794	0.000243014	0.00015092	0.000226027	0.000206303	0.000400897	0.000243014	0.000157196
0.000190737	0.000405984	0.000216698	0.000140942	0.000203999	0.000186817	0.000356329	0.000216698	0.000147707
0.000164113	0.000348637	0.000186441	0.000134587	0.000175588	0.000160821	0.000306513	0.000186441	0.000140917
0.000142891	0.000303656	0.000163687	0.00013056	0.000153553	0.000140607	0.000268328	0.000163687	0.000136613
0.000126532	0.000268948	0.000146726	0.000125818	0.000136799	0.000125242	0.000239261	0.000146726	0.000131521
0.000115723	0.000244779	0.000134687	0.000129764	0.000125289	0.000114777	0.000218484	0.000134687	0.000135754
0.00011013	0.000232463	0.000128297	0.000138297	0.000119284	0.000109303	0.000207778	0.000128297	0.000144891
0.000111427	0.000235798	0.000130144	0.000150027	0.000120865	0.00011071	0.000210899	0.000130144	0.000157439
0.000115099	0.000243549	0.000134143	0.000163344	0.0001247	0.00011423	0.000217522	0.000134143	0.000171693
0.000121768	0.000255894	0.000141119	0.000171799	0.000131403	0.000120514	0.000227949	0.000141119	0.000180851
0.000135611	0.000288332	0.000158134	0.000221513	0.000146717	0.00013438	0.0002561	0.000158134	0.0002261
0.000145682	0.000320921	0.000175216	0.000224696	0.00015996	0.000145861	0.000284966	0.000175216	0.000229596
0.00015836	0.000349852	0.000190749	0.000227498	0.00017408	0.000158662	0.000310774	0.000190749	0.000232572
0.000172481	0.000382349	0.000208031	0.000229108	0.000189822	0.000172914	0.000339728	0.000208031	0.000234281
0.000186246	0.000414817	0.000225081	0.000229446	0.000205316	0.000186884	0.000368731	0.000225081	0.000234629
0.000198446	0.000444432	0.000241012	0.000222478	0.00021945	0.000199573	0.000395677	0.000241012	0.000228471
0.000210881	0.00047344	0.000256811	0.000221268	0.00023358	0.00021234	0.000421887	0.000256811	0.000227182
0.000222917	0.000501575	0.000272541	0.000216011	0.000247438	0.000224861	0.000447603	0.000272541	0.000221579
0.000235827	0.000533219	0.000289262	0.000214179	0.000262364	0.000238237	0.000476272	0.000289262	0.000218316
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0.000255253	0.000578436	0.000313096	0.000198669	0.000284087	0.000257867	0.000516558	0.000313096	0.000201767
0.000250795	0.000564809	0.000304641	0.00019536	0.000277623	0.000252243	0.000502635	0.000304641	0.000198263
0.000240946	0.000537472	0.000287433	0.000179601	0.000264169	0.000240374	0.00047513	0.000287433	0.00018406
0.000225697	0.000499494	0.000265699	0.00016446	0.000245686	0.000223835	0.000439424	0.000265699	0.000170365
0.00020906	0.000456794	0.000243014	0.00015092	0.000226027	0.000206303	0.000400897	0.000243014	0.000157196
0.000190737	0.000405984	0.000216698	0.000140942	0.000203999	0.000186817	0.000356329	0.000216698	0.000147707
0.000164113	0.000348637	0.000186441	0.000134587	0.000175588	0.000160821	0.000306513	0.000186441	0.000140917
0.000142891	0.000303656	0.000163687	0.00013056	0.000153553	0.000140607	0.000268328	0.000163687	0.000136613
0.000125998	0.000267641	0.000146042	0.000126453	0.000136185	0.000124692	0.000238081	0.000146042	0.000132199
0.000115601	0.000244485	0.000134531	0.000129848	0.000125149	0.000114652	0.000218219	0.000134531	0.000135844
0.000110081	0.000232403	0.000128243	0.00013838	0.000119237	0.000109256	0.000207724	0.000128243	0.000144981

0.000110979	0.000234784	0.00012958	0.000150193	0.00012036	0.000110252	0.000209983	0.00012958	0.000157617
0.000114657	0.000242618	0.000133598	0.000163338	0.000124212	0.000113783	0.000216683	0.000133598	0.000171687
0.000121111	0.000254445	0.000140299	0.000171694	0.00013067	0.000119845	0.000226642	0.000140299	0.000180738
0.000133358	0.000286704	0.000157155	0.000221497	0.000144973	0.000132605	0.000254624	0.000157155	0.000226085
0.000145798	0.000321266	0.000175373	0.000224693	0.000160103	0.000145984	0.000285278	0.000175373	0.000229594
0.000159098	0.000351701	0.000191702	0.000227477	0.000174935	0.000159426	0.000312443	0.000191702	0.000232551
0.000172888	0.000383341	0.000208552	0.000229188	0.00019029	0.000173334	0.000340623	0.000208552	0.000234369
0.000185535	0.000413212	0.000224189	0.000229582	0.000204517	0.000186159	0.000367283	0.000224189	0.000234777
0.0001976	0.000442347	0.000239926	0.000222743	0.000218474	0.0001987	0.000393796	0.000239926	0.000228757
0.000209816	0.000470867	0.00025545	0.000221639	0.000232359	0.000211243	0.000419565	0.00025545	0.000227581
0.000221	0.000496919	0.000270088	0.000216311	0.000245237	0.000222885	0.000443401	0.000270088	0.000221905
0.00023363	0.000527968	0.000286463	0.000214145	0.000259854	0.000235979	0.000471533	0.000286463	0.000218285
0.000243643	0.000551651	0.000298865	0.00020462	0.00027113	0.00024614	0.000492684	0.000298865	0.00020811
0.000251436	0.000569355	0.000308238	0.000198368	0.000279732	0.000253944	0.000508363	0.000308238	0.000201452
0.000246839	0.000555534	0.000299625	0.000195221	0.000273128	0.000248186	0.000494267	0.000299625	0.000198123
0.000236644	0.000527403	0.000281981	0.000179539	0.000259283	0.000235962	0.000466045	0.000281981	0.000184003
0.000221746	0.000490229	0.000260689	0.000164424	0.000241197	0.000219781	0.000431064	0.000260689	0.000170336
0.000207174	0.000448612	0.000238729	0.000150988	0.000223053	0.000203825	0.000393522	0.000238729	0.000157278
0.000187584	0.000398601	0.000212703	0.000140841	0.000200418	0.000183584	0.000349667	0.000212703	0.000147608
0.000161791	0.000343282	0.00018351	0.000134346	0.000172962	0.000158444	0.000301681	0.00018351	0.000140666
0.00014062	0.000298371	0.000160814	0.000130186	0.000150978	0.00013828	0.00026356	0.000160814	0.000136219
0.000125998	0.000267641	0.000146042	0.000126453	0.000136185	0.000124692	0.000238081	0.000146042	0.000132199
0.000115601	0.000244485	0.000134531	0.000129848	0.000125149	0.000114652	0.000218219	0.000134531	0.000135844
0.000110081	0.000232403	0.000128243	0.00013838	0.000119237	0.000109256	0.000207724	0.000128243	0.000144981
0.000110979	0.000234784	0.00012958	0.000150193	0.00012036	0.000110252	0.000209983	0.00012958	0.000157617
0.000114657	0.000242618	0.000133598	0.000163338	0.000124212	0.000113783	0.000216683	0.000133598	0.000171687
0.000121111	0.000254445	0.000140299	0.000171694	0.00013067	0.000119845	0.000226642	0.000140299	0.000180738
0.000133358	0.000286704	0.000157155	0.000221497	0.000144973	0.000132605	0.000254624	0.000157155	0.000226085
0.000145798	0.000321266	0.000175373	0.000224693	0.000160103	0.000145984	0.000285278	0.000175373	0.000229594
0.000159098	0.000351701	0.000191702	0.000227477	0.000174935	0.000159426	0.000312443	0.000191702	0.000232551
0.000172888	0.000383341	0.000208552	0.000229188	0.00019029	0.000173334	0.000340623	0.000208552	0.000234369
0.000185535	0.000413212	0.000224189	0.000229582	0.000204517	0.000186159	0.000367283	0.000224189	0.000234777
0.0001976	0.000442347	0.000239926	0.000222743	0.000218474	0.0001987	0.000393796	0.000239926	0.000228757
0.000209816	0.000470867	0.00025545	0.000221639	0.000232359	0.000211243	0.000419565	0.00025545	0.000227581
0.000221	0.000496919	0.000270088	0.000216311	0.000245237	0.000222885	0.000443401	0.000270088	0.000221905
0.00023363	0.000527968	0.000286463	0.000214145	0.000259854	0.000235979	0.000471533	0.000286463	0.000218285
0.000243643	0.000551651	0.000298865	0.00020462	0.00027113	0.00024614	0.000492684	0.000298865	0.00020811
0.000251436	0.000569355	0.000308238	0.000198368	0.000279732	0.000253944	0.000508363	0.000308238	0.000201452
0.000246839	0.000555534	0.000299625	0.000195221	0.000273128	0.000248186	0.000494267	0.000299625	0.000198123
0.000236644	0.000527403	0.000281981	0.000179539	0.000259283	0.000235962	0.000466045	0.000281981	0.000184003
0.000221746	0.000490229	0.000260689	0.000164424	0.000241197	0.000219781	0.000431064	0.000260689	0.000170336
0.000207174	0.000448612	0.000238729	0.000150988	0.000223053	0.000203825	0.000393522	0.000238729	0.000157278
0.000187584	0.000398601	0.000212703	0.000140841	0.000200418	0.000183584	0.000349667	0.000212703	0.000147608
0.000161791	0.000343282	0.00018351	0.000134346	0.000172962	0.000158444	0.000301681	0.00018351	0.000140666
0.00014062	0.000298371	0.000160814	0.000130186	0.000150978	0.00013828	0.00026356	0.000160814	0.000136219
0.000125998	0.000267641	0.000146042	0.000126453	0.000136185	0.000124692	0.000238081	0.000146042	0.000132199
0.000115601	0.000244485	0.000134531	0.000129848	0.000125149	0.000114652	0.000218219	0.000134531	0.000135844
0.000110081	0.000232403	0.000128243	0.00013838	0.000119237	0.000109256	0.000207724	0.000128243	0.000144981
0.000110979	0.000234784	0.00012958	0.000150193	0.00012036	0.000110252	0.000209983	0.00012958	0.000157617
0.000114657	0.000242618	0.000133598	0.000163338	0.000124212	0.000113783	0.000216683	0.000133598	0.000171687
0.000121111	0.000254445	0.000140299	0.000171694	0.00013067	0.000119845	0.000226642	0.000140299	0.000180738
0.000133358	0.000286704	0.000157155	0.000221497	0.000144973	0.000132605	0.000254624	0.000157155	0.000226085

0.000145798	0.000321266	0.000175373	0.000224693	0.000160103	0.000145984	0.000285278	0.000175373	0.000229594
0.000159098	0.000351701	0.000191702	0.000227477	0.000174935	0.000159426	0.000312443	0.000191702	0.000232551
0.000172888	0.000383341	0.000208552	0.000229188	0.00019029	0.000173334	0.000340623	0.000208552	0.000234369
0.000185535	0.000413212	0.000224189	0.000229582	0.000204517	0.000186159	0.000367283	0.000224189	0.000234777
0.0001976	0.000442347	0.000239926	0.000222743	0.000218474	0.0001987	0.000393796	0.000239926	0.000228757
0.000209816	0.000470867	0.00025545	0.000221639	0.000232359	0.000211243	0.000419565	0.00025545	0.000227581
0.000221	0.000496919	0.000270088	0.000216311	0.000245237	0.000222885	0.000443401	0.000270088	0.000221905
0.00023363	0.000527968	0.000286463	0.000214145	0.000259854	0.000235979	0.000471533	0.000286463	0.000218285
0.000243643	0.000551651	0.000298865	0.00020462	0.00027113	0.00024614	0.000492684	0.000298865	0.00020811
0.000251436	0.000569355	0.000308238	0.000198368	0.000279732	0.000253944	0.000508363	0.000308238	0.000201452
0.000246839	0.000555534	0.000299625	0.000195221	0.000273128	0.000248186	0.000494267	0.000299625	0.000198123
0.000236644	0.000527403	0.000281981	0.000179539	0.000259283	0.000235962	0.000466045	0.000281981	0.000184003
0.000221746	0.000490229	0.000260689	0.000164424	0.000241197	0.000219781	0.000431064	0.000260689	0.000170336
0.000207174	0.000448612	0.000238729	0.000150988	0.000223053	0.000203825	0.000393522	0.000238729	0.000157278
0.000187584	0.000398601	0.000212703	0.000140841	0.000200418	0.000183584	0.000349667	0.000212703	0.000147608
0.000161791	0.000343282	0.00018351	0.000134346	0.000172962	0.000158444	0.000301681	0.00018351	0.000140666
0.00014062	0.000298371	0.000160814	0.000130186	0.000150978	0.00013828	0.00026356	0.000160814	0.000136219
0.000125998	0.000267641	0.000146042	0.000126453	0.000136185	0.000124692	0.000238081	0.000146042	0.000132199
0.000115601	0.000244485	0.000134531	0.000129848	0.000125149	0.000114652	0.000218219	0.000134531	0.000135844
0.000110081	0.000232403	0.000128243	0.00013838	0.000119237	0.000109256	0.000207724	0.000128243	0.000144981
0.000110979	0.000234784	0.00012958	0.000150193	0.00012036	0.000110252	0.000209983	0.00012958	0.000157617
0.000114657	0.000242618	0.000133598	0.000163338	0.000124212	0.000113783	0.000216683	0.000133598	0.000171687
0.000121111	0.000254445	0.000140299	0.000171694	0.00013067	0.000119845	0.000226642	0.000140299	0.000180738
0.000133358	0.000286704	0.000157155	0.000221497	0.000144973	0.000132605	0.000254624	0.000157155	0.000226085
0.000145798	0.000321266	0.000175373	0.000224693	0.000160103	0.000145984	0.000285278	0.000175373	0.000229594
0.000159098	0.000351701	0.000191702	0.000227477	0.000174935	0.000159426	0.000312443	0.000191702	0.000232551
0.000172888	0.000383341	0.000208552	0.000229188	0.00019029	0.000173334	0.000340623	0.000208552	0.000234369
0.000185535	0.000413212	0.000224189	0.000229582	0.000204517	0.000186159	0.000367283	0.000224189	0.000234777
0.0001976	0.000442347	0.000239926	0.000222743	0.000218474	0.0001987	0.000393796	0.000239926	0.000228757
0.000209816	0.000470867	0.00025545	0.000221639	0.000232359	0.000211243	0.000419565	0.00025545	0.000227581
0.000221	0.000496919	0.000270088	0.000216311	0.000245237	0.000222885	0.000443401	0.000270088	0.000221905
0.00023363	0.000527968	0.000286463	0.000214145	0.000259854	0.000235979	0.000471533	0.000286463	0.000218285
0.000243643	0.000551651	0.000298865	0.00020462	0.00027113	0.00024614	0.000492684	0.000298865	0.00020811
0.000251436	0.000569355	0.000308238	0.000198368	0.000279732	0.000253944	0.000508363	0.000308238	0.000201452
0.000246839	0.000555534	0.000299625	0.000195221	0.000273128	0.000248186	0.000494267	0.000299625	0.000198123
0.000236644	0.000527403	0.000281981	0.000179539	0.000259283	0.000235962	0.000466045	0.000281981	0.000184003
0.000221746	0.000490229	0.000260689	0.000164424	0.000241197	0.000219781	0.000431064	0.000260689	0.000170336
0.000207174	0.000448612	0.000238729	0.000150988	0.000223053	0.000203825	0.000393522	0.000238729	0.000157278
0.000187584	0.000398601	0.000212703	0.000140841	0.000200418	0.000183584	0.000349667	0.000212703	0.000147608
0.000161791	0.000343282	0.00018351	0.000134346	0.000172962	0.000158444	0.000301681	0.00018351	0.000140666
0.00014062	0.000298371	0.000160814	0.000130186	0.000150978	0.00013828	0.00026356	0.000160814	0.000136219
0.000126532	0.000268948	0.000146726	0.000125818	0.000136799	0.000125242	0.000239261	0.000146726	0.000131521
0.000115723	0.000244779	0.000134687	0.000129764	0.000125289	0.000114777	0.000218484	0.000134687	0.000135754
0.00011013	0.000232463	0.000128297	0.000138297	0.000119284	0.000109303	0.000207778	0.000128297	0.000144891
0.000111427	0.000235798	0.000130144	0.000150027	0.000120865	0.00011071	0.000210899	0.000130144	0.000157439
0.000115099	0.000243549	0.000134143	0.000163344	0.0001247	0.00011423	0.000217522	0.000134143	0.000171693
0.000121768	0.000255894	0.000141119	0.000171799	0.000131403	0.000120514	0.000227949	0.000141119	0.000180851
0.000135611	0.000288332	0.000158134	0.000221513	0.000146717	0.00013438	0.0002561	0.000158134	0.0002261
0.000145682	0.000320921	0.000175216	0.000224696	0.00015996	0.000145861	0.000284966	0.000175216	0.000229596
0.00015836	0.000349852	0.000190749	0.000227498	0.00017408	0.000158662	0.000310774	0.000190749	0.000232572
0.000172481	0.000382349	0.000208031	0.000229108	0.000189822	0.000172914	0.000339728	0.000208031	0.000234281
0.000186246	0.000414817	0.000225081	0.000229446	0.000205316	0.000186884	0.000368731	0.000225081	0.000234629
0.000198446	0.000444432	0.000241012	0.000222478	0.00021945	0.000199573	0.000395677	0.000241012	0.000228471
0.000210881	0.00047344	0.000256811	0.000221268	0.00023358	0.00021234	0.000421887	0.000256811	0.000227182
0.000222917	0.000501575	0.000272541	0.000216011	0.000247438	0.000224861	0.000447603	0.000272541	0.000221579
0.000235827	0.000533219	0.000289262	0.000214179	0.000262364	0.000238237	0.000476272	0.000289262	0.000218316
0.000246117	0.000557581	0.00030202	0.000204947	0.000273959	0.000248685	0.000498036	0.00030202	0.000208453
0.000255253	0.000578436	0.000313096	0.000198669	0.000284087	0.000257867	0.000516558	0.000313096	0.000201767
0.000250795	0.000564809	0.000304641	0.00019536	0.000277623	0.000252243	0.000502635	0.000304641	0.000198263
0.000240946	0.000537472	0.000287433	0.000179601	0.000264169	0.000240374	0.00047513	0.000287433	0.00018406
0.000225697	0.000499494	0.000265699	0.00016446	0.000245686	0.000223835	0.000439424	0.000265699	0.000170365
0.00020906	0.000456794	0.000243014	0.00015092	0.000226027	0.000206303	0.000400897	0.000243014	0.000157196
0.000190737	0.000405984	0.000216698	0.000140942	0.000203999	0.000186817	0.000356329	0.000216698	0.000147707
0.000164113	0.000348637	0.000186441	0.000134587	0.000175588	0.000160821	0.000306513	0.000186441	0.000140917
0.000142891	0.000303656	0.000163687	0.00013056	0.000153553	0.000140607	0.000268328	0.000163687	0.000136613
0.000126532	0.000268948	0.000146726	0.000125818	0.000136799	0.000125242	0.000239261	0.000146726	0.000131521
0.000115723	0.000244779	0.000134687	0.000129764	0.000125289	0.000114777	0.000218484	0.000134687	0.000135754
0.00011013	0.000232463	0.000128297	0.000138297	0.000119284	0.000109303	0.000207778	0.000128297	0.000144891
0.000111427	0.000235798	0.000130144	0.000150027	0.000120865	0.00011071	0.000210899	0.000130144	0.000157439
0.000115099	0.000243549	0.000134143	0.000163344	0.0001247	0.00011423	0.000217522	0.000134143	0.000171693
0.000121768	0.000255894	0.000141119	0.000171799	0.000131403	0.000120514	0.000227949	0.000141119	0.000180851
0.000135611	0.000288332	0.000158134	0.000221513	0.000146717	0.00013438	0.0002561	0.000158134	0.0002261
0.000145682	0.000320921	0.000175216	0.000224696	0.00015996	0.000145861	0.000284966	0.000175216	0.000229596
0.00015836	0.000349852	0.000190749	0.000227498	0.00017408	0.000158662	0.000310774	0.000190749	0.000232572
0.000172481	0.000382349	0.000208031	0.000229108	0.000189822	0.000172914	0.000339728	0.000208031	0.000234281
0.000186246	0.000414817	0.000225081	0.000229446	0.000205316	0.000186884	0.000368731	0.000225081	0.000234629

0.000198446	0.000444432	0.000241012	0.000222478	0.00021945	0.000199573	0.000395677	0.000241012	0.000228471
0.000210881	0.00047344	0.000256811	0.000221268	0.00023358	0.00021234	0.000421887	0.000256811	0.000227182
0.000222917	0.000501575	0.000272541	0.000216011	0.000247438	0.000224861	0.000447603	0.000272541	0.000221579
0.000235827	0.000533219	0.000289262	0.000214179	0.000262364	0.000238237	0.000476272	0.000289262	0.000218316
0.000246117	0.000557581	0.00030202	0.000204947	0.000273959	0.000248685	0.000498036	0.00030202	0.000208453
0.000255253	0.000578436	0.000313096	0.000198669	0.000284087	0.000257867	0.000516558	0.000313096	0.000201767
0.000250795	0.000564809	0.000304641	0.00019536	0.000277623	0.000252243	0.000502635	0.000304641	0.000198263
0.000240946	0.000537472	0.000287433	0.000179601	0.000264169	0.000240374	0.00047513	0.000287433	0.00018406
0.000225697	0.000499494	0.000265699	0.00016446	0.000245686	0.000223835	0.000439424	0.000265699	0.000170365
0.00020906	0.000456794	0.000243014	0.00015092	0.000226027	0.000206303	0.000400897	0.000243014	0.000157196
0.000190737	0.000405984	0.000216698	0.000140942	0.000203999	0.000186817	0.000356329	0.000216698	0.000147707
0.000164113	0.000348637	0.000186441	0.000134587	0.000175588	0.000160821	0.000306513	0.000186441	0.000140917
0.000142891	0.000303656	0.000163687	0.00013056	0.000153553	0.000140607	0.000268328	0.000163687	0.000136613
0.000125998	0.000267641	0.000146042	0.000126453	0.000136185	0.000124692	0.000238081	0.000146042	0.000132199
0.000115601	0.000244485	0.000134531	0.000129848	0.000125149	0.000114652	0.000218219	0.000134531	0.000135844
0.000110081	0.000232403	0.000128243	0.00013838	0.000119237	0.000109256	0.000207724	0.000128243	0.000144981
0.000110979	0.000234784	0.00012958	0.000150193	0.00012036	0.000110252	0.000209983	0.00012958	0.000157617
0.000114657	0.000242618	0.000133598	0.000163338	0.000124212	0.000113783	0.000216683	0.000133598	0.000171687
0.000121111	0.000254445	0.000140299	0.000171694	0.00013067	0.000119845	0.000226642	0.000140299	0.000180738
0.000133358	0.000286704	0.000157155	0.000221497	0.000144973	0.000132605	0.000254624	0.000157155	0.000226085
0.000145798	0.000321266	0.000175373	0.000224693	0.000160103	0.000145984	0.000285278	0.000175373	0.000229594
0.000159098	0.000351701	0.000191702	0.000227477	0.000174935	0.000159426	0.000312443	0.000191702	0.000232551
0.000172888	0.000383341	0.000208552	0.000229188	0.00019029	0.000173334	0.000340623	0.000208552	0.000234369
0.000185535	0.000413212	0.000224189	0.000229582	0.000204517	0.000186159	0.000367283	0.000224189	0.000234777
0.0001976	0.000442347	0.000239926	0.000222743	0.000218474	0.0001987	0.000393796	0.000239926	0.000228757
0.000209816	0.000470867	0.00025545	0.000221639	0.000232359	0.000211243	0.000419565	0.00025545	0.000227581
0.000221	0.000496919	0.000270088	0.000216311	0.000245237	0.000222885	0.000443401	0.000270088	0.000221905
0.00023363	0.000527968	0.000286463	0.000214145	0.000259854	0.000235979	0.000471533	0.000286463	0.000218285
0.000243643	0.000551651	0.000298865	0.00020462	0.00027113	0.00024614	0.000492684	0.000298865	0.00020811
0.000251436	0.000569355	0.000308238	0.000198368	0.000279732	0.000253944	0.000508363	0.000308238	0.000201452
0.000246839	0.000555534	0.000299625	0.000195221	0.000273128	0.000248186	0.000494267	0.000299625	0.000198123
0.000236644	0.000527403	0.000281981	0.000179539	0.000259283	0.000235962	0.000466045	0.000281981	0.000184003
0.000221746	0.000490229	0.000260689	0.000164424	0.000241197	0.000219781	0.000431064	0.000260689	0.000170336
0.000207174	0.000448612	0.000238729	0.000150988	0.000223053	0.000203825	0.000393522	0.000238729	0.000157278
0.000187584	0.000398601	0.000212703	0.000140841	0.000200418	0.000183584	0.000349667	0.000212703	0.000147608
0.000161791	0.000343282	0.00018351	0.000134346	0.000172962	0.000158444	0.000301681	0.00018351	0.000140666
0.00014062	0.000298371	0.000160814	0.000130186	0.000150978	0.00013828	0.00026356	0.000160814	0.000136219
0.000125998	0.000267641	0.000146042	0.000126453	0.000136185	0.000124692	0.000238081	0.000146042	0.000132199
0.000115601	0.000244485	0.000134531	0.000129848	0.000125149	0.000114652	0.000218219	0.000134531	0.000135844
0.000110081	0.000232403	0.000128243	0.00013838	0.000119237	0.000109256	0.000207724	0.000128243	0.000144981
0.000110979	0.000234784	0.00012958	0.000150193	0.00012036	0.000110252	0.000209983	0.00012958	0.000157617
0.000114657	0.000242618	0.000133598	0.000163338	0.000124212	0.000113783	0.000216683	0.000133598	0.000171687
0.000121111	0.000254445	0.000140299	0.000171694	0.00013067	0.000119845	0.000226642	0.000140299	0.000180738
0.000133358	0.000286704	0.000157155	0.000221497	0.000144973	0.000132605	0.000254624	0.000157155	0.000226085
0.000145798	0.000321266	0.000175373	0.000224693	0.000160103	0.000145984	0.000285278	0.000175373	0.000229594
0.000159098	0.000351701	0.000191702	0.000227477	0.000174935	0.000159426	0.000312443	0.000191702	0.000232551
0.000172888	0.000383341	0.000208552	0.000229188	0.00019029	0.000173334	0.000340623	0.000208552	0.000234369
0.000185535	0.000413212	0.000224189	0.000229582	0.000204517	0.000186159	0.000367283	0.000224189	0.000234777
0.0001976	0.000442347	0.000239926	0.000222743	0.000218474	0.0001987	0.000393796	0.000239926	0.000228757
0.000209816	0.000470867	0.00025545	0.000221639	0.000232359	0.000211243	0.000419565	0.00025545	0.000227581
0.000221	0.000496919	0.000270088	0.000216311	0.000245237	0.000222885	0.000443401	0.000270088	0.000221905
0.00023363	0.000527968	0.000286463	0.000214145	0.000259854	0.000235979	0.000471533	0.000286463	0.000218285

0.000243643	0.000551651	0.000298865	0.00020462	0.00027113	0.00024614	0.000492684	0.000298865	0.00020811
0.000251436	0.000569355	0.000308238	0.000198368	0.000279732	0.000253944	0.000508363	0.000308238	0.000201452
0.000246839	0.000555534	0.000299625	0.000195221	0.000273128	0.000248186	0.000494267	0.000299625	0.000198123
0.000236644	0.000527403	0.000281981	0.000179539	0.000259283	0.000235962	0.000466045	0.000281981	0.000184003
0.000221746	0.000490229	0.000260689	0.000164424	0.000241197	0.000219781	0.000431064	0.000260689	0.000170336
0.000207174	0.000448612	0.000238729	0.000150988	0.000223053	0.000203825	0.000393522	0.000238729	0.000157278
0.000187584	0.000398601	0.000212703	0.000140841	0.000200418	0.000183584	0.000349667	0.000212703	0.000147608
0.000161791	0.000343282	0.00018351	0.000134346	0.000172962	0.000158444	0.000301681	0.00018351	0.000140666
0.00014062	0.000298371	0.000160814	0.000130186	0.000150978	0.00013828	0.00026356	0.000160814	0.000136219
0.000125998	0.000267641	0.000146042	0.000126453	0.000136185	0.000124692	0.000238081	0.000146042	0.000132199
0.000115601	0.000244485	0.000134531	0.000129848	0.000125149	0.000114652	0.000218219	0.000134531	0.000135844
0.000110081	0.000232403	0.000128243	0.00013838	0.000119237	0.000109256	0.000207724	0.000128243	0.000144981
0.000110979	0.000234784	0.00012958	0.000150193	0.00012036	0.000110252	0.000209983	0.00012958	0.000157617
0.000114657	0.000242618	0.000133598	0.000163338	0.000124212	0.000113783	0.000216683	0.000133598	0.000171687
0.000121111	0.000254445	0.000140299	0.000171694	0.00013067	0.000119845	0.000226642	0.000140299	0.000180738
0.000133358	0.000286704	0.000157155	0.000221497	0.000144973	0.000132605	0.000254624	0.000157155	0.000226085
0.000145798	0.000321266	0.000175373	0.000224693	0.000160103	0.000145984	0.000285278	0.000175373	0.000229594
0.000159098	0.000351701	0.000191702	0.000227477	0.000174935	0.000159426	0.000312443	0.000191702	0.000232551
0.000172888	0.000383341	0.000208552	0.000229188	0.00019029	0.000173334	0.000340623	0.000208552	0.000234369
0.000185535	0.000413212	0.000224189	0.000229582	0.000204517	0.000186159	0.000367283	0.000224189	0.000234777
0.0001976	0.000442347	0.000239926	0.000222743	0.000218474	0.0001987	0.000393796	0.000239926	0.000228757
0.000209816	0.000470867	0.00025545	0.000221639	0.000232359	0.000211243	0.000419565	0.00025545	0.000227581
0.000221	0.000496919	0.000270088	0.000216311	0.000245237	0.000222885	0.000443401	0.000270088	0.000221905
0.00023363	0.000527968	0.000286463	0.000214145	0.000259854	0.000235979	0.000471533	0.000286463	0.000218285
0.000243643	0.000551651	0.000298865	0.00020462	0.00027113	0.00024614	0.000492684	0.000298865	0.00020811
0.000251436	0.000569355	0.000308238	0.000198368	0.000279732	0.000253944	0.000508363	0.000308238	0.000201452
0.000246839	0.000555534	0.000299625	0.000195221	0.000273128	0.000248186	0.000494267	0.000299625	0.000198123
0.000236644	0.000527403	0.000281981	0.000179539	0.000259283	0.000235962	0.000466045	0.000281981	0.000184003
0.000221746	0.000490229	0.000260689	0.000164424	0.000241197	0.000219781	0.000431064	0.000260689	0.000170336
0.000207174	0.000448612	0.000238729	0.000150988	0.000223053	0.000203825	0.000393522	0.000238729	0.000157278
0.000187584	0.000398601	0.000212703	0.000140841	0.000200418	0.000183584	0.000349667	0.000212703	0.000147608
0.000161791	0.000343282	0.00018351	0.000134346	0.000172962	0.000158444	0.000301681	0.00018351	0.000140666
0.00014062	0.000298371	0.000160814	0.000130186	0.000150978	0.00013828	0.00026356	0.000160814	0.000136219
0.000125998	0.000267641	0.000146042	0.000126453	0.000136185	0.000124692	0.000238081	0.000146042	0.000132199
0.000115601	0.000244485	0.000134531	0.000129848	0.000125149	0.000114652	0.000218219	0.000134531	0.000135844
0.000110081	0.000232403	0.000128243	0.00013838	0.000119237	0.000109256	0.000207724	0.000128243	0.000144981
0.000110979	0.000234784	0.00012958	0.000150193	0.00012036	0.000110252	0.000209983	0.00012958	0.000157617
0.000114657	0.000242618	0.000133598	0.000163338	0.000124212	0.000113783	0.000216683	0.000133598	0.000171687
0.000121111	0.000254445	0.000140299	0.000171694	0.00013067	0.000119845	0.000226642	0.000140299	0.000180738
0.000133358	0.000286704	0.000157155	0.000221497	0.000144973	0.000132605	0.000254624	0.000157155	0.000226085
0.000145798	0.000321266	0.000175373	0.000224693	0.000160103	0.000145984	0.000285278	0.000175373	0.000229594
0.000159098	0.000351701	0.000191702	0.000227477	0.000174935	0.000159426	0.000312443	0.000191702	0.000232551
0.000172888	0.000383341	0.000208552	0.000229188	0.00019029	0.000173334	0.000340623	0.000208552	0.000234369
0.000185535	0.000413212	0.000224189	0.000229582	0.000204517	0.000186159	0.000367283	0.000224189	0.000234777
0.0001976	0.000442347	0.000239926	0.000222743	0.000218474	0.0001987	0.000393796	0.000239926	0.000228757
0.000209816	0.000470867	0.00025545	0.000221639	0.000232359	0.000211243	0.000419565	0.00025545	0.000227581
0.000221	0.000496919	0.000270088	0.000216311	0.000245237	0.000222885	0.000443401	0.000270088	0.000221905
0.00023363	0.000527968	0.000286463	0.000214145	0.000259854	0.000235979	0.000471533	0.000286463	0.000218285
0.000243643	0.000551651	0.000298865	0.00020462	0.00027113	0.00024614	0.000492684	0.000298865	0.00020811
0.000251436	0.000569355	0.000308238	0.000198368	0.000279732	0.000253944	0.000508363	0.000308238	0.000201452
0.000246839	0.000555534	0.000299625	0.000195221	0.000273128	0.000248186	0.000494267	0.000299625	0.000198123
0.000236644	0.000527403	0.000281981	0.000179539	0.000259283	0.000235962	0.000466045	0.000281981	0.000184003
0.000221746	0.000490229	0.000260689	0.000164424	0.000241197	0.000219781	0.000431064	0.000260689	0.000170336
0.000207174	0.000448612	0.000238729	0.000150988	0.000223053	0.000203825	0.000393522	0.000238729	0.000157278
0.000187584	0.000398601	0.000212703	0.000140841	0.000200418	0.000183584	0.000349667	0.000212703	0.000147608
0.000161791	0.000343282	0.00018351	0.000134346	0.000172962	0.000158444	0.000301681	0.00018351	0.000140666
0.00014062	0.000298371	0.000160814	0.000130186	0.000150978	0.00013828	0.00026356	0.000160814	0.000136219
0.000126532	0.000268948	0.000146726	0.000125818	0.000136799	0.000125242	0.000239261	0.000146726	0.000131521
0.000115723	0.000244779	0.000134687	0.000129764	0.000125289	0.000114777	0.000218484	0.000134687	0.000135754
0.00011013	0.000232463	0.000128297	0.000138297	0.000119284	0.000109303	0.000207778	0.000128297	0.000144891
0.000111427	0.000235798	0.000130144	0.000150027	0.000120865	0.00011071	0.000210899	0.000130144	0.000157439
0.000115099	0.000243549	0.000134143	0.000163344	0.0001247	0.00011423	0.000217522	0.000134143	0.000171693
0.000121768	0.000255894	0.000141119	0.000171799	0.000131403	0.000120514	0.000227949	0.000141119	0.000180851
0.000135611	0.000288332	0.000158134	0.000221513	0.000146717	0.00013438	0.0002561	0.000158134	0.0002261
0.000145682	0.000320921	0.000175216	0.000224696	0.00015996	0.000145861	0.000284966	0.000175216	0.000229596
0.00015836	0.000349852	0.000190749	0.000227498	0.00017408	0.000158662	0.000310774	0.000190749	0.000232572
0.000172481	0.000382349	0.000208031	0.000229108	0.000189822	0.000172914	0.000339728	0.000208031	0.000234281
0.000186246	0.000414817	0.000225081	0.000229446	0.000205316	0.000186884	0.000368731	0.000225081	0.000234629
0.000198446	0.000444432	0.000241012	0.000222478	0.00021945	0.000199573	0.000395677	0.000241012	0.000228471
0.000210881	0.00047344	0.000256811	0.000221268	0.00023358	0.00021234	0.000421887	0.000256811	0.000227182
0.000222917	0.000501575	0.000272541	0.000216011	0.000247438	0.000224861	0.000447603	0.000272541	0.000221579
0.000235827	0.000533219	0.000289262	0.000214179	0.000262364	0.000238237	0.000476272	0.000289262	0.000218316
0.000246117	0.000557581	0.00030202	0.000204947	0.000273959	0.000248685	0.000498036	0.00030202	0.000208453
0.000255253	0.000578436	0.000313096	0.000198669	0.000284087	0.000257867	0.000516558	0.000313096	0.000201767
0.000250795	0.000564809	0.000304641	0.00019536	0.000277623	0.000252243	0.000502635	0.000304641	0.000198263
0.000240946	0.000537472	0.000287433	0.000179601	0.000264169	0.000240374	0.00047513	0.000287433	0.00018406

0.000225697	0.000499494	0.000265699	0.00016446	0.000245686	0.000223835	0.000439424	0.000265699	0.000170365
0.00020906	0.000456794	0.000243014	0.00015092	0.000226027	0.000206303	0.000400897	0.000243014	0.000157196
0.000190737	0.000405984	0.000216698	0.000140942	0.000203999	0.000186817	0.000356329	0.000216698	0.000147707
0.000164113	0.000348637	0.000186441	0.000134587	0.000175588	0.000160821	0.000306513	0.000186441	0.000140917
0.000142891	0.000303656	0.000163687	0.00013056	0.000153553	0.000140607	0.000268328	0.000163687	0.000136613
0.000126532	0.000268948	0.000146726	0.000125818	0.000136799	0.000125242	0.000239261	0.000146726	0.000131521
0.000115723	0.000244779	0.000134687	0.000129764	0.000125289	0.000114777	0.000218484	0.000134687	0.000135754
0.00011013	0.000232463	0.000128297	0.000138297	0.000119284	0.000109303	0.000207778	0.000128297	0.000144891
0.000111427	0.000235798	0.000130144	0.000150027	0.000120865	0.00011071	0.000210899	0.000130144	0.000157439
0.000115099	0.000243549	0.000134143	0.000163344	0.0001247	0.00011423	0.000217522	0.000134143	0.000171693
0.000121768	0.000255894	0.000141119	0.000171799	0.000131403	0.000120514	0.000227949	0.000141119	0.000180851
0.000135611	0.000288332	0.000158134	0.000221513	0.000146717	0.00013438	0.0002561	0.000158134	0.0002261
0.000145682	0.000320921	0.000175216	0.000224696	0.00015996	0.000145861	0.000284966	0.000175216	0.000229596
0.00015836	0.000349852	0.000190749	0.000227498	0.00017408	0.000158662	0.000310774	0.000190749	0.000232572
0.000172481	0.000382349	0.000208031	0.000229108	0.000189822	0.000172914	0.000339728	0.000208031	0.000234281
0.000186246	0.000414817	0.000225081	0.000229446	0.000205316	0.000186884	0.000368731	0.000225081	0.000234629
0.000198446	0.000444432	0.000241012	0.000222478	0.00021945	0.000199573	0.000395677	0.000241012	0.000228471
0.000210881	0.00047344	0.000256811	0.000221268	0.00023358	0.00021234	0.000421887	0.000256811	0.000227182
0.000222917	0.000501575	0.000272541	0.000216011	0.000247438	0.000224861	0.000447603	0.000272541	0.000221579
0.000235827	0.000533219	0.000289262	0.000214179	0.000262364	0.000238237	0.000476272	0.000289262	0.000218316
0.000246117	0.000557581	0.00030202	0.000204947	0.000273959	0.000248685	0.000498036	0.00030202	0.000208453
0.000255253	0.000578436	0.000313096	0.000198669	0.000284087	0.000257867	0.000516558	0.000313096	0.000201767
0.000250795	0.000564809	0.000304641	0.00019536	0.000277623	0.000252243	0.000502635	0.000304641	0.000198263
0.000240946	0.000537472	0.000287433	0.000179601	0.000264169	0.000240374	0.00047513	0.000287433	0.00018406
0.000225697	0.000499494	0.000265699	0.00016446	0.000245686	0.000223835	0.000439424	0.000265699	0.000170365
0.00020906	0.000456794	0.000243014	0.00015092	0.000226027	0.000206303	0.000400897	0.000243014	0.000157196
0.000190737	0.000405984	0.000216698	0.000140942	0.000203999	0.000186817	0.000356329	0.000216698	0.000147707
0.000164113	0.000348637	0.000186441	0.000134587	0.000175588	0.000160821	0.000306513	0.000186441	0.000140917
0.000142891	0.000303656	0.000163687	0.00013056	0.000153553	0.000140607	0.000268328	0.000163687	0.000136613
0.00011498	0.000241804	0.000132072	0.000125388	0.000123666	0.00011339	0.000214769	0.000132072	0.000131124
0.00010698	0.00022486	0.000123683	0.000127377	0.000115437	0.00010584	0.000200514	0.000123683	0.000133276
0.000101523	0.000212251	0.000117381	0.000135998	0.000109501	0.000100473	0.00018954	0.000117381	0.000142513
0.000102162	0.000212885	0.00011823	0.000150157	0.000110171	0.000101142	0.000190219	0.00011823	0.000157668
0.000109007	0.000227273	0.00012614	0.000165193	0.000117498	0.000107874	0.000202826	0.00012614	0.000173747
0.000117258	0.000244939	0.000135347	0.000171768	0.000126225	0.000115866	0.000218063	0.000135347	0.000180909
0.000120845	0.000257594	0.000141323	0.000219444	0.000130788	0.000119783	0.000228359	0.000141323	0.000223991
0.000129819	0.000284978	0.000155279	0.000222121	0.000142112	0.000129657	0.000252541	0.000155279	0.000226921
0.00013676	0.00030018	0.000163501	0.000226833	0.000149675	0.000136559	0.00026596	0.000163501	0.000231931
0.000146849	0.000322196	0.000175527	0.000227157	0.000160692	0.00014662	0.000285451	0.000175527	0.000232252
0.000159894	0.000352089	0.00019154	0.000226018	0.000175242	0.000159803	0.000312127	0.00019154	0.00023102
0.000175065	0.000388941	0.000211276	0.000219148	0.00019279	0.000175554	0.000345604	0.000211276	0.000224975
0.000189552	0.000423241	0.000229743	0.000220562	0.000209319	0.000190452	0.000376592	0.000229743	0.000226496
0.000205067	0.000461131	0.000250108	0.000217406	0.000227355	0.000206628	0.000411117	0.000250108	0.000223126
0.000216768	0.000488602	0.000265108	0.000216033	0.000240719	0.000218691	0.000436014	0.000265108	0.000220351
0.000222582	0.000501336	0.000272033	0.000204094	0.000247069	0.000224487	0.00044728	0.000272033	0.000207588
0.000226256	0.000507163	0.000275871	0.000194951	0.000250678	0.000227945	0.000452231	0.000275871	0.000197831
0.000224631	0.000501555	0.000271201	0.000189507	0.000247627	0.000225302	0.000445552	0.000271201	0.000192029
0.0002208	0.000489056	0.000261726	0.000174059	0.000241113	0.000219646	0.000431438	0.000261726	0.000178147
0.00021026	0.000460388	0.000245719	0.000158147	0.000227738	0.000207843	0.000404125	0.000245719	0.000163621
0.000194715	0.000419097	0.000222892	0.000143713	0.000208855	0.00019103	0.000366889	0.000222892	0.000149503
0.000172583	0.000363345	0.000193671	0.000132637	0.000183361	0.000168192	0.000317855	0.000193671	0.000138847
0.000149532	0.000313881	0.000167875	0.000127799	0.000158941	0.000145833	0.000275149	0.000167875	0.000133689
0.000131073	0.000274941	0.000148563	0.000125636	0.000139984	0.000128431	0.000242413	0.000148563	0.000131383
0.00011498	0.000241804	0.000132072	0.000125388	0.000123666	0.00011339	0.000214769	0.000132072	0.000131124
0.00010698	0.00022486	0.000123683	0.000127377	0.000115437	0.00010584	0.000200514	0.000123683	0.000133276
0.000101523	0.000212251	0.000117381	0.000135998	0.000109501	0.000100473	0.00018954	0.000117381	0.000142513
0.000102162	0.000212885	0.00011823	0.000150157	0.000110171	0.000101142	0.000190219	0.00011823	0.000157668
0.000109007	0.000227273	0.00012614	0.000165193	0.000117498	0.000107874	0.000202826	0.00012614	0.000173747
0.000117258	0.000244939	0.000135347	0.000171768	0.000126225	0.000115866	0.000218063	0.000135347	0.000180909
0.000120845	0.000257594	0.000141323	0.000219444	0.000130788	0.000119783	0.000228359	0.000141323	0.000223991
0.000129819	0.000284978	0.000155279	0.000222121	0.000142112	0.000129657	0.000252541	0.000155279	0.000226921
0.00013676	0.00030018	0.000163501	0.000226833	0.000149675	0.000136559	0.00026596	0.000163501	0.000231931
0.000146849	0.000322196	0.000175527	0.000227157	0.000160692	0.00014662	0.000285451	0.000175527	0.000232252
0.000159894	0.000352089	0.00019154	0.000226018	0.000175242	0.000159803	0.000312127	0.00019154	0.00023102
0.000175065	0.000388941	0.000211276	0.000219148	0.00019279	0.000175554	0.000345604	0.000211276	0.000224975
0.000189552	0.000423241	0.000229743	0.000220562	0.000209319	0.000190452	0.000376592	0.000229743	0.000226496
0.000205067	0.000461131	0.000250108	0.000217406	0.000227355	0.000206628	0.000411117	0.000250108	0.000223126
0.000216768	0.000488602	0.000265108	0.000216033	0.000240719	0.000218691	0.000436014	0.000265108	0.000220351
0.000222582	0.000501336	0.000272033	0.000204094	0.000247069	0.000224487	0.00044728	0.000272033	0.000207588
0.000226256	0.000507163	0.000275871	0.000194951	0.000250678	0.000227945	0.000452231	0.000275871	0.000197831
0.000224631	0.000501555	0.000271201	0.000189507	0.000247627	0.000225302	0.000445552	0.000271201	0.000192029
0.0002208	0.000489056	0.000261726	0.000174059	0.000241113	0.000219646	0.000431438	0.000261726	0.000178147
0.00021026	0.000460388	0.000245719	0.000158147	0.000227738	0.000207843	0.000404125	0.000245719	0.000163621
0.000194715	0.000419097	0.000222892	0.000143713	0.000208855	0.00019103	0.000366889	0.000222892	0.000149503
0.000172583	0.000363345	0.000193671	0.000132637	0.000183361	0.000168192	0.000317855	0.000193671	0.000138847
0.000149532	0.000313881	0.000167875	0.000127799	0.000158941	0.000145833	0.000275149	0.000167875	0.000133689

0.000131073	0.000274941	0.000148563	0.000125636	0.000139984	0.000128431	0.000242413	0.000148563	0.000131383
0.00011498	0.000241804	0.000132072	0.000125388	0.000123666	0.00011339	0.000214769	0.000132072	0.000131124
0.00010698	0.00022486	0.000123683	0.000127377	0.000115437	0.00010584	0.000200514	0.000123683	0.000133276
0.000101523	0.000212251	0.000117381	0.000135998	0.000109501	0.000100473	0.00018954	0.000117381	0.000142513
0.000102162	0.000212885	0.00011823	0.000150157	0.000110171	0.000101142	0.000190219	0.00011823	0.000157668
0.000109007	0.000227273	0.00012614	0.000165193	0.000117498	0.000107874	0.000202826	0.00012614	0.000173747
0.000117258	0.000244939	0.000135347	0.000171768	0.000126225	0.000115866	0.000218063	0.000135347	0.000180909
0.000120845	0.000257594	0.000141323	0.000219444	0.000130788	0.000119783	0.000228359	0.000141323	0.000223991
0.000129819	0.000284978	0.000155279	0.000222121	0.000142112	0.000129657	0.000252541	0.000155279	0.000226921
0.00013676	0.00030018	0.000163501	0.000226833	0.000149675	0.000136559	0.00026596	0.000163501	0.000231931
0.000146849	0.000322196	0.000175527	0.000227157	0.000160692	0.00014662	0.000285451	0.000175527	0.000232252
0.000159894	0.000352089	0.00019154	0.000226018	0.000175242	0.000159803	0.000312127	0.00019154	0.00023102
0.000175065	0.000388941	0.000211276	0.000219148	0.00019279	0.000175554	0.000345604	0.000211276	0.000224975
0.000189552	0.000423241	0.000229743	0.000220562	0.000209319	0.000190452	0.000376592	0.000229743	0.000226496
0.000205067	0.000461131	0.000250108	0.000217406	0.000227355	0.000206628	0.000411117	0.000250108	0.000223126
0.000216768	0.000488602	0.000265108	0.000216033	0.000240719	0.000218691	0.000436014	0.000265108	0.000220351
0.000222582	0.000501336	0.000272033	0.000204094	0.000247069	0.000224487	0.00044728	0.000272033	0.000207588
0.000226256	0.000507163	0.000275871	0.000194951	0.000250678	0.000227945	0.000452231	0.000275871	0.000197831
0.000224631	0.000501555	0.000271201	0.000189507	0.000247627	0.000225302	0.000445552	0.000271201	0.000192029
0.0002208	0.000489056	0.000261726	0.000174059	0.000241113	0.000219646	0.000431438	0.000261726	0.000178147
0.00021026	0.000460388	0.000245719	0.000158147	0.000227738	0.000207843	0.000404125	0.000245719	0.000163621
0.000194715	0.000419097	0.000222892	0.000143713	0.000208855	0.00019103	0.000366889	0.000222892	0.000149503
0.000172583	0.000363345	0.000193671	0.000132637	0.000183361	0.000168192	0.000317855	0.000193671	0.000138847
0.000149532	0.000313881	0.000167875	0.000127799	0.000158941	0.000145833	0.000275149	0.000167875	0.000133689
0.000131073	0.000274941	0.000148563	0.000125636	0.000139984	0.000128431	0.000242413	0.000148563	0.000131383
0.00011498	0.000241804	0.000132072	0.000125388	0.000123666	0.00011339	0.000214769	0.000132072	0.000131124
0.00010698	0.00022486	0.000123683	0.000127377	0.000115437	0.00010584	0.000200514	0.000123683	0.000133276
0.000101523	0.000212251	0.000117381	0.000135998	0.000109501	0.000100473	0.00018954	0.000117381	0.000142513
0.000102162	0.000212885	0.00011823	0.000150157	0.000110171	0.000101142	0.000190219	0.00011823	0.000157668
0.000109007	0.000227273	0.00012614	0.000165193	0.000117498	0.000107874	0.000202826	0.00012614	0.000173747
0.000117258	0.000244939	0.000135347	0.000171768	0.000126225	0.000115866	0.000218063	0.000135347	0.000180909
0.000120845	0.000257594	0.000141323	0.000219444	0.000130788	0.000119783	0.000228359	0.000141323	0.000223991
0.000129819	0.000284978	0.000155279	0.000222121	0.000142112	0.000129657	0.000252541	0.000155279	0.000226921
0.00013676	0.00030018	0.000163501	0.000226833	0.000149675	0.000136559	0.00026596	0.000163501	0.000231931
0.000146849	0.000322196	0.000175527	0.000227157	0.000160692	0.00014662	0.000285451	0.000175527	0.000232252
0.000159894	0.000352089	0.00019154	0.000226018	0.000175242	0.000159803	0.000312127	0.00019154	0.00023102
0.000175065	0.000388941	0.000211276	0.000219148	0.00019279	0.000175554	0.000345604	0.000211276	0.000224975
0.000189552	0.000423241	0.000229743	0.000220562	0.000209319	0.000190452	0.000376592	0.000229743	0.000226496
0.000205067	0.000461131	0.000250108	0.000217406	0.000227355	0.000206628	0.000411117	0.000250108	0.000223126
0.000216768	0.000488602	0.000265108	0.000216033	0.000240719	0.000218691	0.000436014	0.000265108	0.000220351
0.000222582	0.000501336	0.000272033	0.000204094	0.000247069	0.000224487	0.00044728	0.000272033	0.000207588
0.000226256	0.000507163	0.000275871	0.000194951	0.000250678	0.000227945	0.000452231	0.000275871	0.000197831
0.000224631	0.000501555	0.000271201	0.000189507	0.000247627	0.000225302	0.000445552	0.000271201	0.000192029
0.0002208	0.000489056	0.000261726	0.000174059	0.000241113	0.000219646	0.000431438	0.000261726	0.000178147
0.00021026	0.000460388	0.000245719	0.000158147	0.000227738	0.000207843	0.000404125	0.000245719	0.000163621
0.000194715	0.000419097	0.000222892	0.000143713	0.000208855	0.00019103	0.000366889	0.000222892	0.000149503
0.000172583	0.000363345	0.000193671	0.000132637	0.000183361	0.000168192	0.000317855	0.000193671	0.000138847
0.000149532	0.000313881	0.000167875	0.000127799	0.000158941	0.000145833	0.000275149	0.000167875	0.000133689
0.000131073	0.000274941	0.000148563	0.000125636	0.000139984	0.000128431	0.000242413	0.000148563	0.000131383
0.000114413	0.000240397	0.000131343	0.000125558	0.000123011	0.000112804	0.000213499	0.000131343	0.000131302
0.000106372	0.000223455	0.000122916	0.000127052	0.000114749	0.000105219	0.000199247	0.000122916	0.00013293
0.000100834	0.000210627	0.000116505	0.000135713	0.000108716	9.97656E-05	0.000188075	0.000116505	0.00014221

0.000101662	0.000211707	0.000117595	0.000149885	0.000109601	0.000100628	0.000189156	0.000117595	0.000157379
0.000108648	0.000226423	0.000125684	0.000164929	0.000117089	0.000107505	0.000202059	0.000125684	0.000173466
0.000117171	0.000244757	0.000135241	0.000171771	0.00012613	0.000115779	0.000217899	0.000135241	0.000180913
0.000122358	0.000257524	0.000141369	0.000218903	0.000131697	0.0001208	0.000228304	0.000141369	0.000223413
0.000129373	0.000283941	0.000154716	0.000221872	0.000141607	0.0001292	0.000251605	0.000154716	0.000226656
0.000136013	0.000298492	0.000162563	0.000226589	0.000148835	0.000135796	0.000264437	0.000162563	0.000231673
0.000145676	0.000319488	0.000174045	0.00022672	0.000159364	0.000145419	0.000283007	0.000174045	0.00023179
0.000158129	0.000348066	0.000189318	0.000225511	0.000173253	0.000157999	0.000308498	0.000189318	0.000230483
0.000172954	0.000384187	0.000208626	0.000218668	0.000190419	0.000173399	0.000341316	0.000208626	0.000224467
0.0001865	0.000416142	0.000225881	0.000219992	0.000205859	0.000187324	0.000370187	0.000225881	0.000225891
0.000201105	0.000451741	0.000245071	0.000216689	0.000222839	0.000202558	0.000402644	0.000245071	0.000222366
0.0002126	0.000478721	0.000259809	0.000215498	0.000235968	0.00021441	0.000427098	0.000259809	0.000219786
0.000218338	0.000491204	0.000266627	0.000203569	0.000242222	0.000220124	0.000438137	0.000266627	0.000207034
0.000222118	0.000497419	0.000270619	0.000194413	0.000245971	0.000223699	0.00044344	0.000270619	0.000197262
0.000220175	0.000490975	0.000265533	0.000188934	0.000242545	0.000220725	0.000436005	0.000265533	0.000191424
0.000217018	0.000480176	0.000256929	0.000173421	0.000236814	0.000215766	0.000423426	0.000256929	0.000177471
0.000206741	0.000452107	0.000241253	0.000157492	0.000223735	0.000204232	0.000396652	0.000241253	0.000162928
0.000189911	0.000411514	0.000218682	0.00014299	0.000204215	0.00018664	0.00036004	0.000218682	0.000148737
0.000169824	0.0003569	0.000190178	0.000131814	0.000180231	0.000165364	0.00031204	0.000190178	0.000137973
0.000147382	0.000308933	0.000165163	0.000127048	0.000156511	0.000143633	0.000270685	0.000165163	0.000132893
0.000129837	0.000272145	0.00014701	0.000125322	0.000138594	0.000127169	0.000239891	0.00014701	0.00013105
0.000114413	0.000240397	0.000131343	0.000125558	0.000123011	0.000112804	0.000213499	0.000131343	0.000131302
0.000106372	0.000223455	0.000122916	0.000127052	0.000114749	0.000105219	0.000199247	0.000122916	0.00013293
0.000100834	0.000210627	0.000116505	0.000135713	0.000108716	9.97656E-05	0.000188075	0.000116505	0.00014221
0.000101662	0.000211707	0.000117595	0.000149885	0.000109601	0.000100628	0.000189156	0.000117595	0.000157379
0.000108648	0.000226423	0.000125684	0.000164929	0.000117089	0.000107505	0.000202059	0.000125684	0.000173466
0.000117171	0.000244757	0.000135241	0.000171771	0.00012613	0.000115779	0.000217899	0.000135241	0.000180913
0.000122358	0.000257524	0.000141369	0.000218903	0.000131697	0.0001208	0.000228304	0.000141369	0.000223413
0.000129373	0.000283941	0.000154716	0.000221872	0.000141607	0.0001292	0.000251605	0.000154716	0.000226656
0.000136013	0.000298492	0.000162563	0.000226589	0.000148835	0.000135796	0.000264437	0.000162563	0.000231673
0.000145676	0.000319488	0.000174045	0.00022672	0.000159364	0.000145419	0.000283007	0.000174045	0.00023179
0.000158129	0.000348066	0.000189318	0.000225511	0.000173253	0.000157999	0.000308498	0.000189318	0.000230483
0.000172954	0.000384187	0.000208626	0.000218668	0.000190419	0.000173399	0.000341316	0.000208626	0.000224467
0.0001865	0.000416142	0.000225881	0.000219992	0.000205859	0.000187324	0.000370187	0.000225881	0.000225891
0.000201105	0.000451741	0.000245071	0.000216689	0.000222839	0.000202558	0.000402644	0.000245071	0.000222366
0.0002126	0.000478721	0.000259809	0.000215498	0.000235968	0.00021441	0.000427098	0.000259809	0.000219786
0.000218338	0.000491204	0.000266627	0.000203569	0.000242222	0.000220124	0.000438137	0.000266627	0.000207034
0.000222118	0.000497419	0.000270619	0.000194413	0.000245971	0.000223699	0.00044344	0.000270619	0.000197262
0.000220175	0.000490975	0.000265533	0.000188934	0.000242545	0.000220725	0.000436005	0.000265533	0.000191424
0.000217018	0.000480176	0.000256929	0.000173421	0.000236814	0.000215766	0.000423426	0.000256929	0.000177471
0.000206741	0.000452107	0.000241253	0.000157492	0.000223735	0.000204232	0.000396652	0.000241253	0.000162928
0.000189911	0.000411514	0.000218682	0.00014299	0.000204215	0.00018664	0.00036004	0.000218682	0.000148737
0.000169824	0.0003569	0.000190178	0.000131814	0.000180231	0.000165364	0.00031204	0.000190178	0.000137973
0.000147382	0.000308933	0.000165163	0.000127048	0.000156511	0.000143633	0.000270685	0.000165163	0.000132893
0.000129837	0.000272145	0.00014701	0.000125322	0.000138594	0.000127169	0.000239891	0.00014701	0.00013105
0.00011498	0.000241804	0.000132072	0.000125388	0.000123666	0.00011339	0.000214769	0.000132072	0.000131124
0.00010698	0.00022486	0.000123683	0.000127377	0.000115437	0.00010584	0.000200514	0.000123683	0.000133276
0.000101523	0.000212251	0.000117381	0.000135998	0.000109501	0.000100473	0.00018954	0.000117381	0.000142513
0.000102162	0.000212885	0.00011823	0.000150157	0.000110171	0.000101142	0.000190219	0.00011823	0.000157668
0.000109007	0.000227273	0.00012614	0.000165193	0.000117498	0.000107874	0.000202826	0.00012614	0.000173747
0.000117258	0.000244939	0.000135347	0.000171768	0.000126225	0.000115866	0.000218063	0.000135347	0.000180909
0.000120845	0.000257594	0.000141323	0.000219444	0.000130788	0.000119783	0.000228359	0.000141323	0.000223991
0.000129819	0.000284978	0.000155279	0.000222121	0.000142112	0.000129657	0.000252541	0.000155279	0.000226921
0.00013676	0.00030018	0.000163501	0.000226833	0.000149675	0.000136559	0.00026596	0.000163501	0.000231931
0.000146849	0.000322196	0.000175527	0.000227157	0.000160692	0.00014662	0.000285451	0.000175527	0.000232252
0.000159894	0.000352089	0.00019154	0.000226018	0.000175242	0.000159803	0.000312127	0.00019154	0.00023102
0.000175065	0.000388941	0.000211276	0.000219148	0.00019279	0.000175554	0.000345604	0.000211276	0.000224975
0.000189552	0.000423241	0.000229743	0.000220562	0.000209319	0.000190452	0.000376592	0.000229743	0.000226496
0.000205067	0.000461131	0.000250108	0.000217406	0.000227355	0.000206628	0.000411117	0.000250108	0.000223126
0.000216768	0.000488602	0.000265108	0.000216033	0.000240719	0.000218691	0.000436014	0.000265108	0.000220351
0.000222582	0.000501336	0.000272033	0.000204094	0.000247069	0.000224487	0.00044728	0.000272033	0.000207588
0.000226256	0.000507163	0.000275871	0.000194951	0.000250678	0.000227945	0.000452231	0.000275871	0.000197831
0.000224631	0.000501555	0.000271201	0.000189507	0.000247627	0.000225302	0.000445552	0.000271201	0.000192029
0.0002208	0.000489056	0.000261726	0.000174059	0.000241113	0.000219646	0.000431438	0.000261726	0.000178147
0.00021026	0.000460388	0.000245719	0.000158147	0.000227738	0.000207843	0.000404125	0.000245719	0.000163621
0.000194715	0.000419097	0.000222892	0.000143713	0.000208855	0.00019103	0.000366889	0.000222892	0.000149503
0.000172583	0.000363345	0.000193671	0.000132637	0.000183361	0.000168192	0.000317855	0.000193671	0.000138847
0.000149532	0.000313881	0.000167875	0.000127799	0.000158941	0.000145833	0.000275149	0.000167875	0.000133689
0.000131073	0.000274941	0.000148563	0.000125636	0.000139984	0.000128431	0.000242413	0.000148563	0.000131383
0.00011498	0.000241804	0.000132072	0.000125388	0.000123666	0.00011339	0.000214769	0.000132072	0.000131124
0.00010698	0.00022486	0.000123683	0.000127377	0.000115437	0.00010584	0.000200514	0.000123683	0.000133276
0.000101523	0.000212251	0.000117381	0.000135998	0.000109501	0.000100473	0.00018954	0.000117381	0.000142513
0.000102162	0.000212885	0.00011823	0.000150157	0.000110171	0.000101142	0.000190219	0.00011823	0.000157668
0.000109007	0.000227273	0.00012614	0.000165193	0.000117498	0.000107874	0.000202826	0.00012614	0.000173747
0.000117258	0.000244939	0.000135347	0.000171768	0.000126225	0.000115866	0.000218063	0.000135347	0.000180909
0.000120845	0.000257594	0.000141323	0.000219444	0.000130788	0.000119783	0.000228359	0.000141323	0.000223991

0.000129819	0.000284978	0.000155279	0.000222121	0.000142112	0.000129657	0.000252541	0.000155279	0.000226921
0.00013676	0.00030018	0.000163501	0.000226833	0.000149675	0.000136559	0.00026596	0.000163501	0.000231931
0.000146849	0.000322196	0.000175527	0.000227157	0.000160692	0.00014662	0.000285451	0.000175527	0.000232252
0.000159894	0.000352089	0.00019154	0.000226018	0.000175242	0.000159803	0.000312127	0.00019154	0.00023102
0.000175065	0.000388941	0.000211276	0.000219148	0.00019279	0.000175554	0.000345604	0.000211276	0.000224975
0.000189552	0.000423241	0.000229743	0.000220562	0.000209319	0.000190452	0.000376592	0.000229743	0.000226496
0.000205067	0.000461131	0.000250108	0.000217406	0.000227355	0.000206628	0.000411117	0.000250108	0.000223126
0.000216768	0.000488602	0.000265108	0.000216033	0.000240719	0.000218691	0.000436014	0.000265108	0.000220351
0.000222582	0.000501336	0.000272033	0.000204094	0.000247069	0.000224487	0.00044728	0.000272033	0.000207588
0.000226256	0.000507163	0.000275871	0.000194951	0.000250678	0.000227945	0.000452231	0.000275871	0.000197831
0.000224631	0.000501555	0.000271201	0.000189507	0.000247627	0.000225302	0.000445552	0.000271201	0.000192029
0.0002208	0.000489056	0.000261726	0.000174059	0.000241113	0.000219646	0.000431438	0.000261726	0.000178147
0.00021026	0.000460388	0.000245719	0.000158147	0.000227738	0.000207843	0.000404125	0.000245719	0.000163621
0.000194715	0.000419097	0.000222892	0.000143713	0.000208855	0.00019103	0.000366889	0.000222892	0.000149503
0.000172583	0.000363345	0.000193671	0.000132637	0.000183361	0.000168192	0.000317855	0.000193671	0.000138847
0.000149532	0.000313881	0.000167875	0.000127799	0.000158941	0.000145833	0.000275149	0.000167875	0.000133689
0.000131073	0.000274941	0.000148563	0.000125636	0.000139984	0.000128431	0.000242413	0.000148563	0.000131383
0.00011498	0.000241804	0.000132072	0.000125388	0.000123666	0.00011339	0.000214769	0.000132072	0.000131124
0.00010698	0.00022486	0.000123683	0.000127377	0.000115437	0.00010584	0.000200514	0.000123683	0.000133276
0.000101523	0.000212251	0.000117381	0.000135998	0.000109501	0.000100473	0.00018954	0.000117381	0.000142513
0.000102162	0.000212885	0.00011823	0.000150157	0.000110171	0.000101142	0.000190219	0.00011823	0.000157668
0.000109007	0.000227273	0.00012614	0.000165193	0.000117498	0.000107874	0.000202826	0.00012614	0.000173747
0.000117258	0.000244939	0.000135347	0.000171768	0.000126225	0.000115866	0.000218063	0.000135347	0.000180909
0.000120845	0.000257594	0.000141323	0.000219444	0.000130788	0.000119783	0.000228359	0.000141323	0.000223991
0.000129819	0.000284978	0.000155279	0.000222121	0.000142112	0.000129657	0.000252541	0.000155279	0.000226921
0.00013676	0.00030018	0.000163501	0.000226833	0.000149675	0.000136559	0.00026596	0.000163501	0.000231931
0.000146849	0.000322196	0.000175527	0.000227157	0.000160692	0.00014662	0.000285451	0.000175527	0.000232252
0.000159894	0.000352089	0.00019154	0.000226018	0.000175242	0.000159803	0.000312127	0.00019154	0.00023102
0.000175065	0.000388941	0.000211276	0.000219148	0.00019279	0.000175554	0.000345604	0.000211276	0.000224975
0.000189552	0.000423241	0.000229743	0.000220562	0.000209319	0.000190452	0.000376592	0.000229743	0.000226496
0.000205067	0.000461131	0.000250108	0.000217406	0.000227355	0.000206628	0.000411117	0.000250108	0.000223126
0.000216768	0.000488602	0.000265108	0.000216033	0.000240719	0.000218691	0.000436014	0.000265108	0.000220351
0.000222582	0.000501336	0.000272033	0.000204094	0.000247069	0.000224487	0.00044728	0.000272033	0.000207588
0.000226256	0.000507163	0.000275871	0.000194951	0.000250678	0.000227945	0.000452231	0.000275871	0.000197831
0.000224631	0.000501555	0.000271201	0.000189507	0.000247627	0.000225302	0.000445552	0.000271201	0.000192029
0.0002208	0.000489056	0.000261726	0.000174059	0.000241113	0.000219646	0.000431438	0.000261726	0.000178147
0.00021026	0.000460388	0.000245719	0.000158147	0.000227738	0.000207843	0.000404125	0.000245719	0.000163621
0.000194715	0.000419097	0.000222892	0.000143713	0.000208855	0.00019103	0.000366889	0.000222892	0.000149503
0.000172583	0.000363345	0.000193671	0.000132637	0.000183361	0.000168192	0.000317855	0.000193671	0.000138847
0.000149532	0.000313881	0.000167875	0.000127799	0.000158941	0.000145833	0.000275149	0.000167875	0.000133689
0.000131073	0.000274941	0.000148563	0.000125636	0.000139984	0.000128431	0.000242413	0.000148563	0.000131383
0.00011498	0.000241804	0.000132072	0.000125388	0.000123666	0.00011339	0.000214769	0.000132072	0.000131124
0.00010698	0.00022486	0.000123683	0.000127377	0.000115437	0.00010584	0.000200514	0.000123683	0.000133276
0.000101523	0.000212251	0.000117381	0.000135998	0.000109501	0.000100473	0.00018954	0.000117381	0.000142513
0.000102162	0.000212885	0.00011823	0.000150157	0.000110171	0.000101142	0.000190219	0.00011823	0.000157668
0.000109007	0.000227273	0.00012614	0.000165193	0.000117498	0.000107874	0.000202826	0.00012614	0.000173747
0.000117258	0.000244939	0.000135347	0.000171768	0.000126225	0.000115866	0.000218063	0.000135347	0.000180909
0.000120845	0.000257594	0.000141323	0.000219444	0.000130788	0.000119783	0.000228359	0.000141323	0.000223991
0.000129819	0.000284978	0.000155279	0.000222121	0.000142112	0.000129657	0.000252541	0.000155279	0.000226921
0.00013676	0.00030018	0.000163501	0.000226833	0.000149675	0.000136559	0.00026596	0.000163501	0.000231931
0.000146849	0.000322196	0.000175527	0.000227157	0.000160692	0.00014662	0.000285451	0.000175527	0.000232252
0.000159894	0.000352089	0.00019154	0.000226018	0.000175242	0.000159803	0.000312127	0.00019154	0.00023102

0.000175065	0.000388941	0.000211276	0.000219148	0.00019279	0.000175554	0.000345604	0.000211276	0.000224975
0.000189552	0.000423241	0.000229743	0.000220562	0.000209319	0.000190452	0.000376592	0.000229743	0.000226496
0.000205067	0.000461131	0.000250108	0.000217406	0.000227355	0.000206628	0.000411117	0.000250108	0.000223126
0.000216768	0.000488602	0.000265108	0.000216033	0.000240719	0.000218691	0.000436014	0.000265108	0.000220351
0.000222582	0.000501336	0.000272033	0.000204094	0.000247069	0.000224487	0.00044728	0.000272033	0.000207588
0.000226256	0.000507163	0.000275871	0.000194951	0.000250678	0.000227945	0.000452231	0.000275871	0.000197831
0.000224631	0.000501555	0.000271201	0.000189507	0.000247627	0.000225302	0.000445552	0.000271201	0.000192029
0.0002208	0.000489056	0.000261726	0.000174059	0.000241113	0.000219646	0.000431438	0.000261726	0.000178147
0.00021026	0.000460388	0.000245719	0.000158147	0.000227738	0.000207843	0.000404125	0.000245719	0.000163621
0.000194715	0.000419097	0.000222892	0.000143713	0.000208855	0.00019103	0.000366889	0.000222892	0.000149503
0.000172583	0.000363345	0.000193671	0.000132637	0.000183361	0.000168192	0.000317855	0.000193671	0.000138847
0.000149532	0.000313881	0.000167875	0.000127799	0.000158941	0.000145833	0.000275149	0.000167875	0.000133689
0.000131073	0.000274941	0.000148563	0.000125636	0.000139984	0.000128431	0.000242413	0.000148563	0.000131383
0.000114413	0.000240397	0.000131343	0.000125558	0.000123011	0.000112804	0.000213499	0.000131343	0.000131302
0.000106372	0.000223455	0.000122916	0.000127052	0.000114749	0.000105219	0.000199247	0.000122916	0.00013293
0.000100834	0.000210627	0.000116505	0.000135713	0.000108716	9.97656E-05	0.000188075	0.000116505	0.00014221
0.000101662	0.000211707	0.000117595	0.000149885	0.000109601	0.000100628	0.000189156	0.000117595	0.000157379
0.000108648	0.000226423	0.000125684	0.000164929	0.000117089	0.000107505	0.000202059	0.000125684	0.000173466
0.000117171	0.000244757	0.000135241	0.000171771	0.00012613	0.000115779	0.000217899	0.000135241	0.000180913
0.000122358	0.000257524	0.000141369	0.000218903	0.000131697	0.0001208	0.000228304	0.000141369	0.000223413
0.000129373	0.000283941	0.000154716	0.000221872	0.000141607	0.0001292	0.000251605	0.000154716	0.000226656
0.000136013	0.000298492	0.000162563	0.000226589	0.000148835	0.000135796	0.000264437	0.000162563	0.000231673
0.000145676	0.000319488	0.000174045	0.00022672	0.000159364	0.000145419	0.000283007	0.000174045	0.00023179
0.000158129	0.000348066	0.000189318	0.000225511	0.000173253	0.000157999	0.000308498	0.000189318	0.000230483
0.000172954	0.000384187	0.000208626	0.000218668	0.000190419	0.000173399	0.000341316	0.000208626	0.000224467
0.0001865	0.000416142	0.000225881	0.000219992	0.000205859	0.000187324	0.000370187	0.000225881	0.000225891
0.000201105	0.000451741	0.000245071	0.000216689	0.000222839	0.000202558	0.000402644	0.000245071	0.000222366
0.0002126	0.000478721	0.000259809	0.000215498	0.000235968	0.00021441	0.000427098	0.000259809	0.000219786
0.000218338	0.000491204	0.000266627	0.000203569	0.000242222	0.000220124	0.000438137	0.000266627	0.000207034
0.000222118	0.000497419	0.000270619	0.000194413	0.000245971	0.000223699	0.00044344	0.000270619	0.000197262
0.000220175	0.000490975	0.000265533	0.000188934	0.000242545	0.000220725	0.000436005	0.000265533	0.000191424
0.000217018	0.000480176	0.000256929	0.000173421	0.000236814	0.000215766	0.000423426	0.000256929	0.000177471
0.000206741	0.000452107	0.000241253	0.000157492	0.000223735	0.000204232	0.000396652	0.000241253	0.000162928
0.000189911	0.000411514	0.000218682	0.00014299	0.000204215	0.00018664	0.00036004	0.000218682	0.000148737
0.000169824	0.0003569	0.000190178	0.000131814	0.000180231	0.000165364	0.00031204	0.000190178	0.000137973
0.000147382	0.000308933	0.000165163	0.000127048	0.000156511	0.000143633	0.000270685	0.000165163	0.000132893
0.000129837	0.000272145	0.00014701	0.000125322	0.000138594	0.000127169	0.000239891	0.00014701	0.00013105
0.000114413	0.000240397	0.000131343	0.000125558	0.000123011	0.000112804	0.000213499	0.000131343	0.000131302
0.000106372	0.000223455	0.000122916	0.000127052	0.000114749	0.000105219	0.000199247	0.000122916	0.00013293
0.000100834	0.000210627	0.000116505	0.000135713	0.000108716	9.97656E-05	0.000188075	0.000116505	0.00014221
0.000101662	0.000211707	0.000117595	0.000149885	0.000109601	0.000100628	0.000189156	0.000117595	0.000157379
0.000108648	0.000226423	0.000125684	0.000164929	0.000117089	0.000107505	0.000202059	0.000125684	0.000173466
0.000117171	0.000244757	0.000135241	0.000171771	0.00012613	0.000115779	0.000217899	0.000135241	0.000180913
0.000122358	0.000257524	0.000141369	0.000218903	0.000131697	0.0001208	0.000228304	0.000141369	0.000223413
0.000129373	0.000283941	0.000154716	0.000221872	0.000141607	0.0001292	0.000251605	0.000154716	0.000226656
0.000136013	0.000298492	0.000162563	0.000226589	0.000148835	0.000135796	0.000264437	0.000162563	0.000231673
0.000145676	0.000319488	0.000174045	0.00022672	0.000159364	0.000145419	0.000283007	0.000174045	0.00023179
0.000158129	0.000348066	0.000189318	0.000225511	0.000173253	0.000157999	0.000308498	0.000189318	0.000230483
0.000172954	0.000384187	0.000208626	0.000218668	0.000190419	0.000173399	0.000341316	0.000208626	0.000224467
0.0001865	0.000416142	0.000225881	0.000219992	0.000205859	0.000187324	0.000370187	0.000225881	0.000225891
0.000201105	0.000451741	0.000245071	0.000216689	0.000222839	0.000202558	0.000402644	0.000245071	0.000222366
0.0002126	0.000478721	0.000259809	0.000215498	0.000235968	0.00021441	0.000427098	0.000259809	0.000219786
0.000218338	0.000491204	0.000266627	0.000203569	0.000242222	0.000220124	0.000438137	0.000266627	0.000207034
0.000222118	0.000497419	0.000270619	0.000194413	0.000245971	0.000223699	0.00044344	0.000270619	0.000197262
0.000220175	0.000490975	0.000265533	0.000188934	0.000242545	0.000220725	0.000436005	0.000265533	0.000191424
0.000217018	0.000480176	0.000256929	0.000173421	0.000236814	0.000215766	0.000423426	0.000256929	0.000177471
0.000206741	0.000452107	0.000241253	0.000157492	0.000223735	0.000204232	0.000396652	0.000241253	0.000162928
0.000189911	0.000411514	0.000218682	0.00014299	0.000204215	0.00018664	0.00036004	0.000218682	0.000148737
0.000169824	0.0003569	0.000190178	0.000131814	0.000180231	0.000165364	0.00031204	0.000190178	0.000137973
0.000147382	0.000308933	0.000165163	0.000127048	0.000156511	0.000143633	0.000270685	0.000165163	0.000132893
0.000129837	0.000272145	0.00014701	0.000125322	0.000138594	0.000127169	0.000239891	0.00014701	0.00013105
0.00011498	0.000241804	0.000132072	0.000125388	0.000123666	0.00011339	0.000214769	0.000132072	0.000131124
0.00010698	0.00022486	0.000123683	0.000127377	0.000115437	0.00010584	0.000200514	0.000123683	0.000133276
0.000101523	0.000212251	0.000117381	0.000135998	0.000109501	0.000100473	0.00018954	0.000117381	0.000142513
0.000102162	0.000212885	0.00011823	0.000150157	0.000110171	0.000101142	0.000190219	0.00011823	0.000157668
0.000109007	0.000227273	0.00012614	0.000165193	0.000117498	0.000107874	0.000202826	0.00012614	0.000173747
0.000117258	0.000244939	0.000135347	0.000171768	0.000126225	0.000115866	0.000218063	0.000135347	0.000180909
0.000120845	0.000257594	0.000141323	0.000219444	0.000130788	0.000119783	0.000228359	0.000141323	0.000223991
0.000129819	0.000284978	0.000155279	0.000222121	0.000142112	0.000129657	0.000252541	0.000155279	0.000226921
0.00013676	0.00030018	0.000163501	0.000226833	0.000149675	0.000136559	0.00026596	0.000163501	0.000231931
0.000146849	0.000322196	0.000175527	0.000227157	0.000160692	0.00014662	0.000285451	0.000175527	0.000232252
0.000159894	0.000352089	0.00019154	0.000226018	0.000175242	0.000159803	0.000312127	0.00019154	0.00023102
0.000175065	0.000388941	0.000211276	0.000219148	0.00019279	0.000175554	0.000345604	0.000211276	0.000224975
0.000189552	0.000423241	0.000229743	0.000220562	0.000209319	0.000190452	0.000376592	0.000229743	0.000226496
0.000205067	0.000461131	0.000250108	0.000217406	0.000227355	0.000206628	0.000411117	0.000250108	0.000223126
0.000216768	0.000488602	0.000265108	0.000216033	0.000240719	0.000218691	0.000436014	0.000265108	0.000220351

0.000222582	0.000501336	0.000272033	0.000204094	0.000247069	0.000224487	0.00044728	0.000272033	0.000207588
0.000226256	0.000507163	0.000275871	0.000194951	0.000250678	0.000227945	0.000452231	0.000275871	0.000197831
0.000224631	0.000501555	0.000271201	0.000189507	0.000247627	0.000225302	0.000445552	0.000271201	0.000192029
0.0002208	0.000489056	0.000261726	0.000174059	0.000241113	0.000219646	0.000431438	0.000261726	0.000178147
0.00021026	0.000460388	0.000245719	0.000158147	0.000227738	0.000207843	0.000404125	0.000245719	0.000163621
0.000194715	0.000419097	0.000222892	0.000143713	0.000208855	0.00019103	0.000366889	0.000222892	0.000149503
0.000172583	0.000363345	0.000193671	0.000132637	0.000183361	0.000168192	0.000317855	0.000193671	0.000138847
0.000149532	0.000313881	0.000167875	0.000127799	0.000158941	0.000145833	0.000275149	0.000167875	0.000133689
0.000131073	0.000274941	0.000148563	0.000125636	0.000139984	0.000128431	0.000242413	0.000148563	0.000131383
0.00011498	0.000241804	0.000132072	0.000125388	0.000123666	0.00011339	0.000214769	0.000132072	0.000131124
0.00010698	0.00022486	0.000123683	0.000127377	0.000115437	0.00010584	0.000200514	0.000123683	0.000133276
0.000101523	0.000212251	0.000117381	0.000135998	0.000109501	0.000100473	0.00018954	0.000117381	0.000142513
0.000102162	0.000212885	0.00011823	0.000150157	0.000110171	0.000101142	0.000190219	0.00011823	0.000157668
0.000109007	0.000227273	0.00012614	0.000165193	0.000117498	0.000107874	0.000202826	0.00012614	0.000173747
0.000117258	0.000244939	0.000135347	0.000171768	0.000126225	0.000115866	0.000218063	0.000135347	0.000180909
0.000120845	0.000257594	0.000141323	0.000219444	0.000130788	0.000119783	0.000228359	0.000141323	0.000223991
0.000129819	0.000284978	0.000155279	0.000222121	0.000142112	0.000129657	0.000252541	0.000155279	0.000226921
0.00013676	0.00030018	0.000163501	0.000226833	0.000149675	0.000136559	0.00026596	0.000163501	0.000231931
0.000146849	0.000322196	0.000175527	0.000227157	0.000160692	0.00014662	0.000285451	0.000175527	0.000232252
0.000159894	0.000352089	0.00019154	0.000226018	0.000175242	0.000159803	0.000312127	0.00019154	0.00023102
0.000175065	0.000388941	0.000211276	0.000219148	0.00019279	0.000175554	0.000345604	0.000211276	0.000224975
0.000189552	0.000423241	0.000229743	0.000220562	0.000209319	0.000190452	0.000376592	0.000229743	0.000226496
0.000205067	0.000461131	0.000250108	0.000217406	0.000227355	0.000206628	0.000411117	0.000250108	0.000223126
0.000216768	0.000488602	0.000265108	0.000216033	0.000240719	0.000218691	0.000436014	0.000265108	0.000220351
0.000222582	0.000501336	0.000272033	0.000204094	0.000247069	0.000224487	0.00044728	0.000272033	0.000207588
0.000226256	0.000507163	0.000275871	0.000194951	0.000250678	0.000227945	0.000452231	0.000275871	0.000197831
0.000224631	0.000501555	0.000271201	0.000189507	0.000247627	0.000225302	0.000445552	0.000271201	0.000192029
0.0002208	0.000489056	0.000261726	0.000174059	0.000241113	0.000219646	0.000431438	0.000261726	0.000178147
0.00021026	0.000460388	0.000245719	0.000158147	0.000227738	0.000207843	0.000404125	0.000245719	0.000163621
0.000194715	0.000419097	0.000222892	0.000143713	0.000208855	0.00019103	0.000366889	0.000222892	0.000149503
0.000172583	0.000363345	0.000193671	0.000132637	0.000183361	0.000168192	0.000317855	0.000193671	0.000138847
0.000149532	0.000313881	0.000167875	0.000127799	0.000158941	0.000145833	0.000275149	0.000167875	0.000133689
0.000131073	0.000274941	0.000148563	0.000125636	0.000139984	0.000128431	0.000242413	0.000148563	0.000131383
0.00011498	0.000241804	0.000132072	0.000125388	0.000123666	0.00011339	0.000214769	0.000132072	0.000131124
0.00010698	0.00022486	0.000123683	0.000127377	0.000115437	0.00010584	0.000200514	0.000123683	0.000133276
0.000101523	0.000212251	0.000117381	0.000135998	0.000109501	0.000100473	0.00018954	0.000117381	0.000142513
0.000102162	0.000212885	0.00011823	0.000150157	0.000110171	0.000101142	0.000190219	0.00011823	0.000157668
0.000109007	0.000227273	0.00012614	0.000165193	0.000117498	0.000107874	0.000202826	0.00012614	0.000173747
0.000117258	0.000244939	0.000135347	0.000171768	0.000126225	0.000115866	0.000218063	0.000135347	0.000180909
0.000120845	0.000257594	0.000141323	0.000219444	0.000130788	0.000119783	0.000228359	0.000141323	0.000223991
0.000129819	0.000284978	0.000155279	0.000222121	0.000142112	0.000129657	0.000252541	0.000155279	0.000226921
0.00013676	0.00030018	0.000163501	0.000226833	0.000149675	0.000136559	0.00026596	0.000163501	0.000231931
0.000146849	0.000322196	0.000175527	0.000227157	0.000160692	0.00014662	0.000285451	0.000175527	0.000232252
0.000159894	0.000352089	0.00019154	0.000226018	0.000175242	0.000159803	0.000312127	0.00019154	0.00023102
0.000175065	0.000388941	0.000211276	0.000219148	0.00019279	0.000175554	0.000345604	0.000211276	0.000224975
0.000189552	0.000423241	0.000229743	0.000220562	0.000209319	0.000190452	0.000376592	0.000229743	0.000226496
0.000205067	0.000461131	0.000250108	0.000217406	0.000227355	0.000206628	0.000411117	0.000250108	0.000223126
0.000216768	0.000488602	0.000265108	0.000216033	0.000240719	0.000218691	0.000436014	0.000265108	0.000220351
0.000222582	0.000501336	0.000272033	0.000204094	0.000247069	0.000224487	0.00044728	0.000272033	0.000207588
0.000226256	0.000507163	0.000275871	0.000194951	0.000250678	0.000227945	0.000452231	0.000275871	0.000197831
0.000224631	0.000501555	0.000271201	0.000189507	0.000247627	0.000225302	0.000445552	0.000271201	0.000192029
0.0002208	0.000489056	0.000261726	0.000174059	0.000241113	0.000219646	0.000431438	0.000261726	0.000178147

0.00021026	0.000460388	0.000245719	0.000158147	0.000227738	0.000207843	0.000404125	0.000245719	0.000163621
0.000194715	0.000419097	0.000222892	0.000143713	0.000208855	0.00019103	0.000366889	0.000222892	0.000149503
0.000172583	0.000363345	0.000193671	0.000132637	0.000183361	0.000168192	0.000317855	0.000193671	0.000138847
0.000149532	0.000313881	0.000167875	0.000127799	0.000158941	0.000145833	0.000275149	0.000167875	0.000133689
0.000131073	0.000274941	0.000148563	0.000125636	0.000139984	0.000128431	0.000242413	0.000148563	0.000131383
0.00011498	0.000241804	0.000132072	0.000125388	0.000123666	0.00011339	0.000214769	0.000132072	0.000131124
0.00010698	0.00022486	0.000123683	0.000127377	0.000115437	0.00010584	0.000200514	0.000123683	0.000133276
0.000101523	0.000212251	0.000117381	0.000135998	0.000109501	0.000100473	0.00018954	0.000117381	0.000142513
0.000102162	0.000212885	0.00011823	0.000150157	0.000110171	0.000101142	0.000190219	0.00011823	0.000157668
0.000109007	0.000227273	0.00012614	0.000165193	0.000117498	0.000107874	0.000202826	0.00012614	0.000173747
0.000117258	0.000244939	0.000135347	0.000171768	0.000126225	0.000115866	0.000218063	0.000135347	0.000180909
0.000120845	0.000257594	0.000141323	0.000219444	0.000130788	0.000119783	0.000228359	0.000141323	0.000223991
0.000129819	0.000284978	0.000155279	0.000222121	0.000142112	0.000129657	0.000252541	0.000155279	0.000226921
0.00013676	0.00030018	0.000163501	0.000226833	0.000149675	0.000136559	0.00026596	0.000163501	0.000231931
0.000146849	0.000322196	0.000175527	0.000227157	0.000160692	0.00014662	0.000285451	0.000175527	0.000232252
0.000159894	0.000352089	0.00019154	0.000226018	0.000175242	0.000159803	0.000312127	0.00019154	0.00023102
0.000175065	0.000388941	0.000211276	0.000219148	0.00019279	0.000175554	0.000345604	0.000211276	0.000224975
0.000189552	0.000423241	0.000229743	0.000220562	0.000209319	0.000190452	0.000376592	0.000229743	0.000226496
0.000205067	0.000461131	0.000250108	0.000217406	0.000227355	0.000206628	0.000411117	0.000250108	0.000223126
0.000216768	0.000488602	0.000265108	0.000216033	0.000240719	0.000218691	0.000436014	0.000265108	0.000220351
0.000222582	0.000501336	0.000272033	0.000204094	0.000247069	0.000224487	0.00044728	0.000272033	0.000207588
0.000226256	0.000507163	0.000275871	0.000194951	0.000250678	0.000227945	0.000452231	0.000275871	0.000197831
0.000224631	0.000501555	0.000271201	0.000189507	0.000247627	0.000225302	0.000445552	0.000271201	0.000192029
0.0002208	0.000489056	0.000261726	0.000174059	0.000241113	0.000219646	0.000431438	0.000261726	0.000178147
0.00021026	0.000460388	0.000245719	0.000158147	0.000227738	0.000207843	0.000404125	0.000245719	0.000163621
0.000194715	0.000419097	0.000222892	0.000143713	0.000208855	0.00019103	0.000366889	0.000222892	0.000149503
0.000172583	0.000363345	0.000193671	0.000132637	0.000183361	0.000168192	0.000317855	0.000193671	0.000138847
0.000149532	0.000313881	0.000167875	0.000127799	0.000158941	0.000145833	0.000275149	0.000167875	0.000133689
0.000131073	0.000274941	0.000148563	0.000125636	0.000139984	0.000128431	0.000242413	0.000148563	0.000131383
0.000114413	0.000240397	0.000131343	0.000125558	0.000123011	0.000112804	0.000213499	0.000131343	0.000131302
0.000106372	0.000223455	0.000122916	0.000127052	0.000114749	0.000105219	0.000199247	0.000122916	0.00013293
0.000100834	0.000210627	0.000116505	0.000135713	0.000108716	9.97656E-05	0.000188075	0.000116505	0.00014221
0.000101662	0.000211707	0.000117595	0.000149885	0.000109601	0.000100628	0.000189156	0.000117595	0.000157379
0.000108648	0.000226423	0.000125684	0.000164929	0.000117089	0.000107505	0.000202059	0.000125684	0.000173466
0.000117171	0.000244757	0.000135241	0.000171771	0.00012613	0.000115779	0.000217899	0.000135241	0.000180913
0.000122358	0.000257524	0.000141369	0.000218903	0.000131697	0.0001208	0.000228304	0.000141369	0.000223413
0.000129373	0.000283941	0.000154716	0.000221872	0.000141607	0.0001292	0.000251605	0.000154716	0.000226656
0.000136013	0.000298492	0.000162563	0.000226589	0.000148835	0.000135796	0.000264437	0.000162563	0.000231673
0.000145676	0.000319488	0.000174045	0.00022672	0.000159364	0.000145419	0.000283007	0.000174045	0.00023179
0.000158129	0.000348066	0.000189318	0.000225511	0.000173253	0.000157999	0.000308498	0.000189318	0.000230483
0.000172954	0.000384187	0.000208626	0.000218668	0.000190419	0.000173399	0.000341316	0.000208626	0.000224467
0.0001865	0.000416142	0.000225881	0.000219992	0.000205859	0.000187324	0.000370187	0.000225881	0.000225891
0.000201105	0.000451741	0.000245071	0.000216689	0.000222839	0.000202558	0.000402644	0.000245071	0.000222366
0.0002126	0.000478721	0.000259809	0.000215498	0.000235968	0.00021441	0.000427098	0.000259809	0.000219786
0.000218338	0.000491204	0.000266627	0.000203569	0.000242222	0.000220124	0.000438137	0.000266627	0.000207034
0.000222118	0.000497419	0.000270619	0.000194413	0.000245971	0.000223699	0.00044344	0.000270619	0.000197262
0.000220175	0.000490975	0.000265533	0.000188934	0.000242545	0.000220725	0.000436005	0.000265533	0.000191424
0.000217018	0.000480176	0.000256929	0.000173421	0.000236814	0.000215766	0.000423426	0.000256929	0.000177471
0.000206741	0.000452107	0.000241253	0.000157492	0.000223735	0.000204232	0.000396652	0.000241253	0.000162928
0.000189911	0.000411514	0.000218682	0.00014299	0.000204215	0.00018664	0.00036004	0.000218682	0.000148737
0.000169824	0.0003569	0.000190178	0.000131814	0.000180231	0.000165364	0.00031204	0.000190178	0.000137973
0.000147382	0.000308933	0.000165163	0.000127048	0.000156511	0.000143633	0.000270685	0.000165163	0.000132893
0.000129837	0.000272145	0.00014701	0.000125322	0.000138594	0.000127169	0.000239891	0.00014701	0.00013105
0.000114413	0.000240397	0.000131343	0.000125558	0.000123011	0.000112804	0.000213499	0.000131343	0.000131302
0.000106372	0.000223455	0.000122916	0.000127052	0.000114749	0.000105219	0.000199247	0.000122916	0.00013293
0.000100834	0.000210627	0.000116505	0.000135713	0.000108716	9.97656E-05	0.000188075	0.000116505	0.00014221
0.000101662	0.000211707	0.000117595	0.000149885	0.000109601	0.000100628	0.000189156	0.000117595	0.000157379
0.000108648	0.000226423	0.000125684	0.000164929	0.000117089	0.000107505	0.000202059	0.000125684	0.000173466
0.000117171	0.000244757	0.000135241	0.000171771	0.00012613	0.000115779	0.000217899	0.000135241	0.000180913
0.000122358	0.000257524	0.000141369	0.000218903	0.000131697	0.0001208	0.000228304	0.000141369	0.000223413
0.000129373	0.000283941	0.000154716	0.000221872	0.000141607	0.0001292	0.000251605	0.000154716	0.000226656
0.000136013	0.000298492	0.000162563	0.000226589	0.000148835	0.000135796	0.000264437	0.000162563	0.000231673
0.000145676	0.000319488	0.000174045	0.00022672	0.000159364	0.000145419	0.000283007	0.000174045	0.00023179
0.000158129	0.000348066	0.000189318	0.000225511	0.000173253	0.000157999	0.000308498	0.000189318	0.000230483
0.000172954	0.000384187	0.000208626	0.000218668	0.000190419	0.000173399	0.000341316	0.000208626	0.000224467
0.0001865	0.000416142	0.000225881	0.000219992	0.000205859	0.000187324	0.000370187	0.000225881	0.000225891
0.000201105	0.000451741	0.000245071	0.000216689	0.000222839	0.000202558	0.000402644	0.000245071	0.000222366
0.0002126	0.000478721	0.000259809	0.000215498	0.000235968	0.00021441	0.000427098	0.000259809	0.000219786
0.000218338	0.000491204	0.000266627	0.000203569	0.000242222	0.000220124	0.000438137	0.000266627	0.000207034
0.000222118	0.000497419	0.000270619	0.000194413	0.000245971	0.000223699	0.00044344	0.000270619	0.000197262
0.000220175	0.000490975	0.000265533	0.000188934	0.000242545	0.000220725	0.000436005	0.000265533	0.000191424
0.000217018	0.000480176	0.000256929	0.000173421	0.000236814	0.000215766	0.000423426	0.000256929	0.000177471
0.000206741	0.000452107	0.000241253	0.000157492	0.000223735	0.000204232	0.000396652	0.000241253	0.000162928
0.000189911	0.000411514	0.000218682	0.00014299	0.000204215	0.00018664	0.00036004	0.000218682	0.000148737
0.000169824	0.0003569	0.000190178	0.000131814	0.000180231	0.000165364	0.00031204	0.000190178	0.000137973
0.000147382	0.000308933	0.000165163	0.000127048	0.000156511	0.000143633	0.000270685	0.000165163	0.000132893

0.000129837	0.000272145	0.00014701	0.000125322	0.000138594	0.000127169	0.000239891	0.00014701	0.00013105
0.00011498	0.000241804	0.000132072	0.000125388	0.000123666	0.00011339	0.000214769	0.000132072	0.000131124
0.00010698	0.00022486	0.000123683	0.000127377	0.000115437	0.00010584	0.000200514	0.000123683	0.000133276
0.000101523	0.000212251	0.000117381	0.000135998	0.000109501	0.000100473	0.00018954	0.000117381	0.000142513
0.000102162	0.000212885	0.00011823	0.000150157	0.000110171	0.000101142	0.000190219	0.00011823	0.000157668
0.000109007	0.000227273	0.00012614	0.000165193	0.000117498	0.000107874	0.000202826	0.00012614	0.000173747
0.000117258	0.000244939	0.000135347	0.000171768	0.000126225	0.000115866	0.000218063	0.000135347	0.000180909
0.000120845	0.000257594	0.000141323	0.000219444	0.000130788	0.000119783	0.000228359	0.000141323	0.000223991
0.000129819	0.000284978	0.000155279	0.000222121	0.000142112	0.000129657	0.000252541	0.000155279	0.000226921
0.00013676	0.00030018	0.000163501	0.000226833	0.000149675	0.000136559	0.00026596	0.000163501	0.000231931
0.000146849	0.000322196	0.000175527	0.000227157	0.000160692	0.00014662	0.000285451	0.000175527	0.000232252
0.000159894	0.000352089	0.00019154	0.000226018	0.000175242	0.000159803	0.000312127	0.00019154	0.00023102
0.000175065	0.000388941	0.000211276	0.000219148	0.00019279	0.000175554	0.000345604	0.000211276	0.000224975
0.000189552	0.000423241	0.000229743	0.000220562	0.000209319	0.000190452	0.000376592	0.000229743	0.000226496
0.000205067	0.000461131	0.000250108	0.000217406	0.000227355	0.000206628	0.000411117	0.000250108	0.000223126
0.000216768	0.000488602	0.000265108	0.000216033	0.000240719	0.000218691	0.000436014	0.000265108	0.000220351
0.000222582	0.000501336	0.000272033	0.000204094	0.000247069	0.000224487	0.00044728	0.000272033	0.000207588
0.000226256	0.000507163	0.000275871	0.000194951	0.000250678	0.000227945	0.000452231	0.000275871	0.000197831
0.000224631	0.000501555	0.000271201	0.000189507	0.000247627	0.000225302	0.000445552	0.000271201	0.000192029
0.0002208	0.000489056	0.000261726	0.000174059	0.000241113	0.000219646	0.000431438	0.000261726	0.000178147
0.00021026	0.000460388	0.000245719	0.000158147	0.000227738	0.000207843	0.000404125	0.000245719	0.000163621
0.000194715	0.000419097	0.000222892	0.000143713	0.000208855	0.00019103	0.000366889	0.000222892	0.000149503
0.000172583	0.000363345	0.000193671	0.000132637	0.000183361	0.000168192	0.000317855	0.000193671	0.000138847
0.000149532	0.000313881	0.000167875	0.000127799	0.000158941	0.000145833	0.000275149	0.000167875	0.000133689
0.000131073	0.000274941	0.000148563	0.000125636	0.000139984	0.000128431	0.000242413	0.000148563	0.000131383
0.00011498	0.000241804	0.000132072	0.000125388	0.000123666	0.00011339	0.000214769	0.000132072	0.000131124
0.00010698	0.00022486	0.000123683	0.000127377	0.000115437	0.00010584	0.000200514	0.000123683	0.000133276
0.000101523	0.000212251	0.000117381	0.000135998	0.000109501	0.000100473	0.00018954	0.000117381	0.000142513
0.000102162	0.000212885	0.00011823	0.000150157	0.000110171	0.000101142	0.000190219	0.00011823	0.000157668
0.000109007	0.000227273	0.00012614	0.000165193	0.000117498	0.000107874	0.000202826	0.00012614	0.000173747
0.000117258	0.000244939	0.000135347	0.000171768	0.000126225	0.000115866	0.000218063	0.000135347	0.000180909
0.000120845	0.000257594	0.000141323	0.000219444	0.000130788	0.000119783	0.000228359	0.000141323	0.000223991
0.000129819	0.000284978	0.000155279	0.000222121	0.000142112	0.000129657	0.000252541	0.000155279	0.000226921
0.00013676	0.00030018	0.000163501	0.000226833	0.000149675	0.000136559	0.00026596	0.000163501	0.000231931
0.000146849	0.000322196	0.000175527	0.000227157	0.000160692	0.00014662	0.000285451	0.000175527	0.000232252
0.000159894	0.000352089	0.00019154	0.000226018	0.000175242	0.000159803	0.000312127	0.00019154	0.00023102
0.000175065	0.000388941	0.000211276	0.000219148	0.00019279	0.000175554	0.000345604	0.000211276	0.000224975
0.000189552	0.000423241	0.000229743	0.000220562	0.000209319	0.000190452	0.000376592	0.000229743	0.000226496
0.000205067	0.000461131	0.000250108	0.000217406	0.000227355	0.000206628	0.000411117	0.000250108	0.000223126
0.000216768	0.000488602	0.000265108	0.000216033	0.000240719	0.000218691	0.000436014	0.000265108	0.000220351
0.000222582	0.000501336	0.000272033	0.000204094	0.000247069	0.000224487	0.00044728	0.000272033	0.000207588
0.000226256	0.000507163	0.000275871	0.000194951	0.000250678	0.000227945	0.000452231	0.000275871	0.000197831
0.000224631	0.000501555	0.000271201	0.000189507	0.000247627	0.000225302	0.000445552	0.000271201	0.000192029
0.0002208	0.000489056	0.000261726	0.000174059	0.000241113	0.000219646	0.000431438	0.000261726	0.000178147
0.00021026	0.000460388	0.000245719	0.000158147	0.000227738	0.000207843	0.000404125	0.000245719	0.000163621
0.000194715	0.000419097	0.000222892	0.000143713	0.000208855	0.00019103	0.000366889	0.000222892	0.000149503
0.000172583	0.000363345	0.000193671	0.000132637	0.000183361	0.000168192	0.000317855	0.000193671	0.000138847
0.000149532	0.000313881	0.000167875	0.000127799	0.000158941	0.000145833	0.000275149	0.000167875	0.000133689
0.000131073	0.000274941	0.000148563	0.000125636	0.000139984	0.000128431	0.000242413	0.000148563	0.000131383
0.00011498	0.000241804	0.000132072	0.000125388	0.000123666	0.00011339	0.000214769	0.000132072	0.000131124
0.00010698	0.00022486	0.000123683	0.000127377	0.000115437	0.00010584	0.000200514	0.000123683	0.000133276
0.000101523	0.000212251	0.000117381	0.000135998	0.000109501	0.000100473	0.00018954	0.000117381	0.000142513

0.000102162	0.000212885	0.00011823	0.000150157	0.000110171	0.000101142	0.000190219	0.00011823	0.000157668
0.000109007	0.000227273	0.00012614	0.000165193	0.000117498	0.000107874	0.000202826	0.00012614	0.000173747
0.000117258	0.000244939	0.000135347	0.000171768	0.000126225	0.000115866	0.000218063	0.000135347	0.000180909
0.000120845	0.000257594	0.000141323	0.000219444	0.000130788	0.000119783	0.000228359	0.000141323	0.000223991
0.000129819	0.000284978	0.000155279	0.000222121	0.000142112	0.000129657	0.000252541	0.000155279	0.000226921
0.00013676	0.00030018	0.000163501	0.000226833	0.000149675	0.000136559	0.00026596	0.000163501	0.000231931
0.000146849	0.000322196	0.000175527	0.000227157	0.000160692	0.00014662	0.000285451	0.000175527	0.000232252
0.000159894	0.000352089	0.00019154	0.000226018	0.000175242	0.000159803	0.000312127	0.00019154	0.00023102
0.000175065	0.000388941	0.000211276	0.000219148	0.00019279	0.000175554	0.000345604	0.000211276	0.000224975
0.000189552	0.000423241	0.000229743	0.000220562	0.000209319	0.000190452	0.000376592	0.000229743	0.000226496
0.000205067	0.000461131	0.000250108	0.000217406	0.000227355	0.000206628	0.000411117	0.000250108	0.000223126
0.000216768	0.000488602	0.000265108	0.000216033	0.000240719	0.000218691	0.000436014	0.000265108	0.000220351
0.000222582	0.000501336	0.000272033	0.000204094	0.000247069	0.000224487	0.00044728	0.000272033	0.000207588
0.000226256	0.000507163	0.000275871	0.000194951	0.000250678	0.000227945	0.000452231	0.000275871	0.000197831
0.000224631	0.000501555	0.000271201	0.000189507	0.000247627	0.000225302	0.000445552	0.000271201	0.000192029
0.0002208	0.000489056	0.000261726	0.000174059	0.000241113	0.000219646	0.000431438	0.000261726	0.000178147
0.00021026	0.000460388	0.000245719	0.000158147	0.000227738	0.000207843	0.000404125	0.000245719	0.000163621
0.000194715	0.000419097	0.000222892	0.000143713	0.000208855	0.00019103	0.000366889	0.000222892	0.000149503
0.000172583	0.000363345	0.000193671	0.000132637	0.000183361	0.000168192	0.000317855	0.000193671	0.000138847
0.000149532	0.000313881	0.000167875	0.000127799	0.000158941	0.000145833	0.000275149	0.000167875	0.000133689
0.000131073	0.000274941	0.000148563	0.000125636	0.000139984	0.000128431	0.000242413	0.000148563	0.000131383
0.00011498	0.000241804	0.000132072	0.000125388	0.000123666	0.00011339	0.000214769	0.000132072	0.000131124
0.00010698	0.00022486	0.000123683	0.000127377	0.000115437	0.00010584	0.000200514	0.000123683	0.000133276
0.000101523	0.000212251	0.000117381	0.000135998	0.000109501	0.000100473	0.00018954	0.000117381	0.000142513
0.000102162	0.000212885	0.00011823	0.000150157	0.000110171	0.000101142	0.000190219	0.00011823	0.000157668
0.000109007	0.000227273	0.00012614	0.000165193	0.000117498	0.000107874	0.000202826	0.00012614	0.000173747
0.000117258	0.000244939	0.000135347	0.000171768	0.000126225	0.000115866	0.000218063	0.000135347	0.000180909
0.000120845	0.000257594	0.000141323	0.000219444	0.000130788	0.000119783	0.000228359	0.000141323	0.000223991
0.000129819	0.000284978	0.000155279	0.000222121	0.000142112	0.000129657	0.000252541	0.000155279	0.000226921
0.00013676	0.00030018	0.000163501	0.000226833	0.000149675	0.000136559	0.00026596	0.000163501	0.000231931
0.000146849	0.000322196	0.000175527	0.000227157	0.000160692	0.00014662	0.000285451	0.000175527	0.000232252
0.000159894	0.000352089	0.00019154	0.000226018	0.000175242	0.000159803	0.000312127	0.00019154	0.00023102
0.000175065	0.000388941	0.000211276	0.000219148	0.00019279	0.000175554	0.000345604	0.000211276	0.000224975
0.000189552	0.000423241	0.000229743	0.000220562	0.000209319	0.000190452	0.000376592	0.000229743	0.000226496
0.000205067	0.000461131	0.000250108	0.000217406	0.000227355	0.000206628	0.000411117	0.000250108	0.000223126
0.000216768	0.000488602	0.000265108	0.000216033	0.000240719	0.000218691	0.000436014	0.000265108	0.000220351
0.000222582	0.000501336	0.000272033	0.000204094	0.000247069	0.000224487	0.00044728	0.000272033	0.000207588
0.000226256	0.000507163	0.000275871	0.000194951	0.000250678	0.000227945	0.000452231	0.000275871	0.000197831
0.000224631	0.000501555	0.000271201	0.000189507	0.000247627	0.000225302	0.000445552	0.000271201	0.000192029
0.0002208	0.000489056	0.000261726	0.000174059	0.000241113	0.000219646	0.000431438	0.000261726	0.000178147
0.00021026	0.000460388	0.000245719	0.000158147	0.000227738	0.000207843	0.000404125	0.000245719	0.000163621
0.000194715	0.000419097	0.000222892	0.000143713	0.000208855	0.00019103	0.000366889	0.000222892	0.000149503
0.000172583	0.000363345	0.000193671	0.000132637	0.000183361	0.000168192	0.000317855	0.000193671	0.000138847
0.000149532	0.000313881	0.000167875	0.000127799	0.000158941	0.000145833	0.000275149	0.000167875	0.000133689
0.000131073	0.000274941	0.000148563	0.000125636	0.000139984	0.000128431	0.000242413	0.000148563	0.000131383
0.000114413	0.000240397	0.000131343	0.000125558	0.000123011	0.000112804	0.000213499	0.000131343	0.000131302
0.000106372	0.000223455	0.000122916	0.000127052	0.000114749	0.000105219	0.000199247	0.000122916	0.00013293
0.000100834	0.000210627	0.000116505	0.000135713	0.000108716	9.97656E-05	0.000188075	0.000116505	0.00014221
0.000101662	0.000211707	0.000117595	0.000149885	0.000109601	0.000100628	0.000189156	0.000117595	0.000157379
0.000108648	0.000226423	0.000125684	0.000164929	0.000117089	0.000107505	0.000202059	0.000125684	0.000173466
0.000117171	0.000244757	0.000135241	0.000171771	0.00012613	0.000115779	0.000217899	0.000135241	0.000180913
0.000122358	0.000257524	0.000141369	0.000218903	0.000131697	0.0001208	0.000228304	0.000141369	0.000223413
0.000129373	0.000283941	0.000154716	0.000221872	0.000141607	0.0001292	0.000251605	0.000154716	0.000226656
0.000136013	0.000298492	0.000162563	0.000226589	0.000148835	0.000135796	0.000264437	0.000162563	0.000231673
0.000145676	0.000319488	0.000174045	0.00022672	0.000159364	0.000145419	0.000283007	0.000174045	0.00023179
0.000158129	0.000348066	0.000189318	0.000225511	0.000173253	0.000157999	0.000308498	0.000189318	0.000230483
0.000172954	0.000384187	0.000208626	0.000218668	0.000190419	0.000173399	0.000341316	0.000208626	0.000224467
0.0001865	0.000416142	0.000225881	0.000219992	0.000205859	0.000187324	0.000370187	0.000225881	0.000225891
0.000201105	0.000451741	0.000245071	0.000216689	0.000222839	0.000202558	0.000402644	0.000245071	0.000222366
0.0002126	0.000478721	0.000259809	0.000215498	0.000235968	0.00021441	0.000427098	0.000259809	0.000219786
0.000218338	0.000491204	0.000266627	0.000203569	0.000242222	0.000220124	0.000438137	0.000266627	0.000207034
0.000222118	0.000497419	0.000270619	0.000194413	0.000245971	0.000223699	0.00044344	0.000270619	0.000197262
0.000220175	0.000490975	0.000265533	0.000188934	0.000242545	0.000220725	0.000436005	0.000265533	0.000191424
0.000217018	0.000480176	0.000256929	0.000173421	0.000236814	0.000215766	0.000423426	0.000256929	0.000177471
0.000206741	0.000452107	0.000241253	0.000157492	0.000223735	0.000204232	0.000396652	0.000241253	0.000162928
0.000189911	0.000411514	0.000218682	0.00014299	0.000204215	0.00018664	0.00036004	0.000218682	0.000148737
0.000169824	0.0003569	0.000190178	0.000131814	0.000180231	0.000165364	0.00031204	0.000190178	0.000137973
0.000147382	0.000308933	0.000165163	0.000127048	0.000156511	0.000143633	0.000270685	0.000165163	0.000132893
0.000129837	0.000272145	0.00014701	0.000125322	0.000138594	0.000127169	0.000239891	0.00014701	0.00013105
0.000114413	0.000240397	0.000131343	0.000125558	0.000123011	0.000112804	0.000213499	0.000131343	0.000131302
0.000106372	0.000223455	0.000122916	0.000127052	0.000114749	0.000105219	0.000199247	0.000122916	0.00013293
0.000100834	0.000210627	0.000116505	0.000135713	0.000108716	9.97656E-05	0.000188075	0.000116505	0.00014221
0.000101662	0.000211707	0.000117595	0.000149885	0.000109601	0.000100628	0.000189156	0.000117595	0.000157379
0.000108648	0.000226423	0.000125684	0.000164929	0.000117089	0.000107505	0.000202059	0.000125684	0.000173466
0.000117171	0.000244757	0.000135241	0.000171771	0.00012613	0.000115779	0.000217899	0.000135241	0.000180913
0.000122358	0.000257524	0.000141369	0.000218903	0.000131697	0.0001208	0.000228304	0.000141369	0.000223413

0.000129373	0.000283941	0.000154716	0.000221872	0.000141607	0.0001292	0.000251605	0.000154716	0.000226656
0.000136013	0.000298492	0.000162563	0.000226589	0.000148835	0.000135796	0.000264437	0.000162563	0.000231673
0.000145676	0.000319488	0.000174045	0.00022672	0.000159364	0.000145419	0.000283007	0.000174045	0.00023179
0.000158129	0.000348066	0.000189318	0.000225511	0.000173253	0.000157999	0.000308498	0.000189318	0.000230483
0.000172954	0.000384187	0.000208626	0.000218668	0.000190419	0.000173399	0.000341316	0.000208626	0.000224467
0.0001865	0.000416142	0.000225881	0.000219992	0.000205859	0.000187324	0.000370187	0.000225881	0.000225891
0.000201105	0.000451741	0.000245071	0.000216689	0.000222839	0.000202558	0.000402644	0.000245071	0.000222366
0.0002126	0.000478721	0.000259809	0.000215498	0.000235968	0.00021441	0.000427098	0.000259809	0.000219786
0.000218338	0.000491204	0.000266627	0.000203569	0.000242222	0.000220124	0.000438137	0.000266627	0.000207034
0.000222118	0.000497419	0.000270619	0.000194413	0.000245971	0.000223699	0.00044344	0.000270619	0.000197262
0.000220175	0.000490975	0.000265533	0.000188934	0.000242545	0.000220725	0.000436005	0.000265533	0.000191424
0.000217018	0.000480176	0.000256929	0.000173421	0.000236814	0.000215766	0.000423426	0.000256929	0.000177471
0.000206741	0.000452107	0.000241253	0.000157492	0.000223735	0.000204232	0.000396652	0.000241253	0.000162928
0.000189911	0.000411514	0.000218682	0.00014299	0.000204215	0.00018664	0.00036004	0.000218682	0.000148737
0.000169824	0.0003569	0.000190178	0.000131814	0.000180231	0.000165364	0.00031204	0.000190178	0.000137973
0.000147382	0.000308933	0.000165163	0.000127048	0.000156511	0.000143633	0.000270685	0.000165163	0.000132893
0.000129837	0.000272145	0.00014701	0.000125322	0.000138594	0.000127169	0.000239891	0.00014701	0.00013105
0.00011498	0.000241804	0.000132072	0.000125388	0.000123666	0.00011339	0.000214769	0.000132072	0.000131124
0.00010698	0.00022486	0.000123683	0.000127377	0.000115437	0.00010584	0.000200514	0.000123683	0.000133276
0.000101523	0.000212251	0.000117381	0.000135998	0.000109501	0.000100473	0.00018954	0.000117381	0.000142513
0.000102162	0.000212885	0.00011823	0.000150157	0.000110171	0.000101142	0.000190219	0.00011823	0.000157668
0.000109007	0.000227273	0.00012614	0.000165193	0.000117498	0.000107874	0.000202826	0.00012614	0.000173747
0.000117258	0.000244939	0.000135347	0.000171768	0.000126225	0.000115866	0.000218063	0.000135347	0.000180909
0.000120845	0.000257594	0.000141323	0.000219444	0.000130788	0.000119783	0.000228359	0.000141323	0.000223991
0.000129819	0.000284978	0.000155279	0.000222121	0.000142112	0.000129657	0.000252541	0.000155279	0.000226921
0.00013676	0.00030018	0.000163501	0.000226833	0.000149675	0.000136559	0.00026596	0.000163501	0.000231931
0.000146849	0.000322196	0.000175527	0.000227157	0.000160692	0.00014662	0.000285451	0.000175527	0.000232252
0.000159894	0.000352089	0.00019154	0.000226018	0.000175242	0.000159803	0.000312127	0.00019154	0.00023102
0.000175065	0.000388941	0.000211276	0.000219148	0.00019279	0.000175554	0.000345604	0.000211276	0.000224975
0.000189552	0.000423241	0.000229743	0.000220562	0.000209319	0.000190452	0.000376592	0.000229743	0.000226496
0.000205067	0.000461131	0.000250108	0.000217406	0.000227355	0.000206628	0.000411117	0.000250108	0.000223126
0.000216768	0.000488602	0.000265108	0.000216033	0.000240719	0.000218691	0.000436014	0.000265108	0.000220351
0.000222582	0.000501336	0.000272033	0.000204094	0.000247069	0.000224487	0.00044728	0.000272033	0.000207588
0.000226256	0.000507163	0.000275871	0.000194951	0.000250678	0.000227945	0.000452231	0.000275871	0.000197831
0.000224631	0.000501555	0.000271201	0.000189507	0.000247627	0.000225302	0.000445552	0.000271201	0.000192029
0.0002208	0.000489056	0.000261726	0.000174059	0.000241113	0.000219646	0.000431438	0.000261726	0.000178147
0.00021026	0.000460388	0.000245719	0.000158147	0.000227738	0.000207843	0.000404125	0.000245719	0.000163621
0.000194715	0.000419097	0.000222892	0.000143713	0.000208855	0.00019103	0.000366889	0.000222892	0.000149503
0.000172583	0.000363345	0.000193671	0.000132637	0.000183361	0.000168192	0.000317855	0.000193671	0.000138847
0.000149532	0.000313881	0.000167875	0.000127799	0.000158941	0.000145833	0.000275149	0.000167875	0.000133689
0.000131073	0.000274941	0.000148563	0.000125636	0.000139984	0.000128431	0.000242413	0.000148563	0.000131383
0.00011498	0.000241804	0.000132072	0.000125388	0.000123666	0.00011339	0.000214769	0.000132072	0.000131124
0.00010698	0.00022486	0.000123683	0.000127377	0.000115437	0.00010584	0.000200514	0.000123683	0.000133276
0.000101523	0.000212251	0.000117381	0.000135998	0.000109501	0.000100473	0.00018954	0.000117381	0.000142513
0.000102162	0.000212885	0.00011823	0.000150157	0.000110171	0.000101142	0.000190219	0.00011823	0.000157668
0.000109007	0.000227273	0.00012614	0.000165193	0.000117498	0.000107874	0.000202826	0.00012614	0.000173747
0.000117258	0.000244939	0.000135347	0.000171768	0.000126225	0.000115866	0.000218063	0.000135347	0.000180909
0.000120845	0.000257594	0.000141323	0.000219444	0.000130788	0.000119783	0.000228359	0.000141323	0.000223991
0.000129819	0.000284978	0.000155279	0.000222121	0.000142112	0.000129657	0.000252541	0.000155279	0.000226921
0.00013676	0.00030018	0.000163501	0.000226833	0.000149675	0.000136559	0.00026596	0.000163501	0.000231931
0.000146849	0.000322196	0.000175527	0.000227157	0.000160692	0.00014662	0.000285451	0.000175527	0.000232252
0.000159894	0.000352089	0.00019154	0.000226018	0.000175242	0.000159803	0.000312127	0.00019154	0.00023102
0.000175065	0.000388941	0.000211276	0.000219148	0.00019279	0.000175554	0.000345604	0.000211276	0.000224975
0.000189552	0.000423241	0.000229743	0.000220562	0.000209319	0.000190452	0.000376592	0.000229743	0.000226496
0.000205067	0.000461131	0.000250108	0.000217406	0.000227355	0.000206628	0.000411117	0.000250108	0.000223126
0.000216768	0.000488602	0.000265108	0.000216033	0.000240719	0.000218691	0.000436014	0.000265108	0.000220351
0.000222582	0.000501336	0.000272033	0.000204094	0.000247069	0.000224487	0.00044728	0.000272033	0.000207588
0.000226256	0.000507163	0.000275871	0.000194951	0.000250678	0.000227945	0.000452231	0.000275871	0.000197831
0.000224631	0.000501555	0.000271201	0.000189507	0.000247627	0.000225302	0.000445552	0.000271201	0.000192029
0.0002208	0.000489056	0.000261726	0.000174059	0.000241113	0.000219646	0.000431438	0.000261726	0.000178147
0.00021026	0.000460388	0.000245719	0.000158147	0.000227738	0.000207843	0.000404125	0.000245719	0.000163621
0.000194715	0.000419097	0.000222892	0.000143713	0.000208855	0.00019103	0.000366889	0.000222892	0.000149503
0.000172583	0.000363345	0.000193671	0.000132637	0.000183361	0.000168192	0.000317855	0.000193671	0.000138847
0.000149532	0.000313881	0.000167875	0.000127799	0.000158941	0.000145833	0.000275149	0.000167875	0.000133689
0.000131073	0.000274941	0.000148563	0.000125636	0.000139984	0.000128431	0.000242413	0.000148563	0.000131383
0.00011498	0.000241804	0.000132072	0.000125388	0.000123666	0.00011339	0.000214769	0.000132072	0.000131124
0.00010698	0.00022486	0.000123683	0.000127377	0.000115437	0.00010584	0.000200514	0.000123683	0.000133276
0.000101523	0.000212251	0.000117381	0.000135998	0.000109501	0.000100473	0.00018954	0.000117381	0.000142513
0.000102162	0.000212885	0.00011823	0.000150157	0.000110171	0.000101142	0.000190219	0.00011823	0.000157668
0.000109007	0.000227273	0.00012614	0.000165193	0.000117498	0.000107874	0.000202826	0.00012614	0.000173747
0.000117258	0.000244939	0.000135347	0.000171768	0.000126225	0.000115866	0.000218063	0.000135347	0.000180909
0.000120845	0.000257594	0.000141323	0.000219444	0.000130788	0.000119783	0.000228359	0.000141323	0.000223991
0.000129819	0.000284978	0.000155279	0.000222121	0.000142112	0.000129657	0.000252541	0.000155279	0.000226921
0.00013676	0.00030018	0.000163501	0.000226833	0.000149675	0.000136559	0.00026596	0.000163501	0.000231931
0.000146849	0.000322196	0.000175527	0.000227157	0.000160692	0.00014662	0.000285451	0.000175527	0.000232252
0.000159894	0.000352089	0.00019154	0.000226018	0.000175242	0.000159803	0.000312127	0.00019154	0.00023102

0.000175065	0.000388941	0.000211276	0.000219148	0.00019279	0.000175554	0.000345604	0.000211276	0.000224975
0.000189552	0.000423241	0.000229743	0.000220562	0.000209319	0.000190452	0.000376592	0.000229743	0.000226496
0.000205067	0.000461131	0.000250108	0.000217406	0.000227355	0.000206628	0.000411117	0.000250108	0.000223126
0.000216768	0.000488602	0.000265108	0.000216033	0.000240719	0.000218691	0.000436014	0.000265108	0.000220351
0.000222582	0.000501336	0.000272033	0.000204094	0.000247069	0.000224487	0.00044728	0.000272033	0.000207588
0.000226256	0.000507163	0.000275871	0.000194951	0.000250678	0.000227945	0.000452231	0.000275871	0.000197831
0.000224631	0.000501555	0.000271201	0.000189507	0.000247627	0.000225302	0.000445552	0.000271201	0.000192029
0.0002208	0.000489056	0.000261726	0.000174059	0.000241113	0.000219646	0.000431438	0.000261726	0.000178147
0.00021026	0.000460388	0.000245719	0.000158147	0.000227738	0.000207843	0.000404125	0.000245719	0.000163621
0.000194715	0.000419097	0.000222892	0.000143713	0.000208855	0.00019103	0.000366889	0.000222892	0.000149503
0.000172583	0.000363345	0.000193671	0.000132637	0.000183361	0.000168192	0.000317855	0.000193671	0.000138847
0.000149532	0.000313881	0.000167875	0.000127799	0.000158941	0.000145833	0.000275149	0.000167875	0.000133689
0.000131073	0.000274941	0.000148563	0.000125636	0.000139984	0.000128431	0.000242413	0.000148563	0.000131383
7.40361E-05	2.19922E-05	6.1486E-05	0.000118238	6.83046E-05	7.24986E-05	3.11209E-05	6.1486E-05	0.000123624
7.0717E-05	1.88422E-05	5.97087E-05	0.000121154	6.57077E-05	6.98281E-05	2.91769E-05	5.97087E-05	0.000126756
7.01702E-05	1.77992E-05	5.99322E-05	0.00012999	6.55073E-05	6.96358E-05	2.89044E-05	5.99322E-05	0.000136238
7.3509E-05	1.83264E-05	6.38613E-05	0.000142158	6.90764E-05	7.33973E-05	3.07671E-05	6.38613E-05	0.00014928
8.08373E-05	2.06743E-05	7.03788E-05	0.000157468	7.60113E-05	8.07416E-05	3.40727E-05	7.03788E-05	0.00016567
8.77626E-05	2.3733E-05	7.60193E-05	0.000166047	8.23272E-05	8.7401E-05	3.73431E-05	7.60193E-05	0.000174981
8.88599E-05	2.71429E-05	7.82524E-05	0.000215424	8.38004E-05	8.87778E-05	3.96711E-05	7.82524E-05	0.000219891
8.62545E-05	2.84901E-05	7.81759E-05	0.000220017	8.21991E-05	8.69029E-05	4.04955E-05	7.81759E-05	0.000224893
8.68899E-05	2.93504E-05	7.84856E-05	0.000222458	8.2676E-05	8.7376E-05	4.10054E-05	7.84856E-05	0.000227465
9.12722E-05	3.10674E-05	8.19822E-05	0.00022272	8.66494E-05	9.15854E-05	4.28867E-05	8.19822E-05	0.000227721
9.47103E-05	3.24214E-05	8.46872E-05	0.000223991	8.97508E-05	9.48728E-05	4.43394E-05	8.46872E-05	0.000229077
9.54938E-05	3.1912E-05	8.51439E-05	0.000219098	9.04168E-05	9.56469E-05	4.40471E-05	8.51439E-05	0.000225155
9.87636E-05	3.24146E-05	8.80579E-05	0.000216731	9.353E-05	9.89826E-05	4.51879E-05	8.80579E-05	0.000222617
0.000103128	3.24675E-05	9.2617E-05	0.000210774	9.79783E-05	0.00010375	4.68107E-05	9.2617E-05	0.000216244
0.000109204	3.33311E-05	9.82293E-05	0.000205314	0.000103846	0.000110029	4.90295E-05	9.82293E-05	0.000209079
0.000117959	3.53914E-05	0.000105342	0.000193105	0.000111878	0.000118628	5.2029E-05	0.000105342	0.000196006
0.000125903	3.77914E-05	0.000113032	0.000184548	0.000119656	0.000126838	5.59737E-05	0.000113032	0.000186859
0.000129598	4.26254E-05	0.000115209	0.000178303	0.000122588	0.000129748	5.91055E-05	0.000115209	0.000180199
0.00013311	5.01402E-05	0.000114585	0.000162173	0.000124183	0.000131203	6.19492E-05	0.000114585	0.000165584
0.000127926	5.28282E-05	0.000108806	0.000147223	0.000118668	0.00012512	6.14672E-05	0.000108806	0.000152091
0.00011993	5.07931E-05	9.883E-05	0.000133404	0.0001099	0.000115856	5.70916E-05	9.883E-05	0.000138624
0.000107943	4.484E-05	8.62796E-05	0.000123251	9.78333E-05	0.000103231	4.9982E-05	8.62796E-05	0.000128948
9.38699E-05	3.742E-05	7.54248E-05	0.000119242	8.52842E-05	9.00504E-05	4.30269E-05	7.54248E-05	0.000124672
8.36499E-05	2.94714E-05	6.82804E-05	0.000117259	7.65504E-05	8.10203E-05	3.692E-05	6.82804E-05	0.000122568
7.40361E-05	2.19922E-05	6.1486E-05	0.000118238	6.83046E-05	7.24986E-05	3.11209E-05	6.1486E-05	0.000123624
7.0717E-05	1.88422E-05	5.97087E-05	0.000121154	6.57077E-05	6.98281E-05	2.91769E-05	5.97087E-05	0.000126756
7.01702E-05	1.77992E-05	5.99322E-05	0.00012999	6.55073E-05	6.96358E-05	2.89044E-05	5.99322E-05	0.000136238
7.3509E-05	1.83264E-05	6.38613E-05	0.000142158	6.90764E-05	7.33973E-05	3.07671E-05	6.38613E-05	0.00014928
8.08373E-05	2.06743E-05	7.03788E-05	0.000157468	7.60113E-05	8.07416E-05	3.40727E-05	7.03788E-05	0.00016567
8.77626E-05	2.3733E-05	7.60193E-05	0.000166047	8.23272E-05	8.7401E-05	3.73431E-05	7.60193E-05	0.000174981
8.88599E-05	2.71429E-05	7.82524E-05	0.000215424	8.38004E-05	8.87778E-05	3.96711E-05	7.82524E-05	0.000219891
8.62545E-05	2.84901E-05	7.81759E-05	0.000220017	8.21991E-05	8.69029E-05	4.04955E-05	7.81759E-05	0.000224893
8.68899E-05	2.93504E-05	7.84856E-05	0.000222458	8.2676E-05	8.7376E-05	4.10054E-05	7.84856E-05	0.000227465
9.12722E-05	3.10674E-05	8.19822E-05	0.00022272	8.66494E-05	9.15854E-05	4.28867E-05	8.19822E-05	0.000227721
9.47103E-05	3.24214E-05	8.46872E-05	0.000223991	8.97508E-05	9.48728E-05	4.43394E-05	8.46872E-05	0.000229077
9.54938E-05	3.1912E-05	8.51439E-05	0.000219098	9.04168E-05	9.56469E-05	4.40471E-05	8.51439E-05	0.000225155
9.87636E-05	3.24146E-05	8.80579E-05	0.000216731	9.353E-05	9.89826E-05	4.51879E-05	8.80579E-05	0.000222617
0.000103128	3.24675E-05	9.2617E-05	0.000210774	9.79783E-05	0.00010375	4.68107E-05	9.2617E-05	0.000216244
0.000109204	3.33311E-05	9.82293E-05	0.000205314	0.000103846	0.000110029	4.90295E-05	9.82293E-05	0.000209079
0.000117959	3.53914E-05	0.000105342	0.000193105	0.000111878	0.000118628	5.2029E-05	0.000105342	0.000196006
0.000125903	3.77914E-05	0.000113032	0.000184548	0.000119656	0.000126838	5.59737E-05	0.000113032	0.000186859
0.000129598	4.26254E-05	0.000115209	0.000178303	0.000122588	0.000129748	5.91055E-05	0.000115209	0.000180199
0.00013311	5.01402E-05	0.000114585	0.000162173	0.000124183	0.000131203	6.19492E-05	0.000114585	0.000165584
0.000127926	5.28282E-05	0.000108806	0.000147223	0.000118668	0.00012512	6.14672E-05	0.000108806	0.000152091
0.00011993	5.07931E-05	9.883E-05	0.000133404	0.0001099	0.000115856	5.70916E-05	9.883E-05	0.000138624
0.000107943	4.484E-05	8.62796E-05	0.000123251	9.78333E-05	0.000103231	4.9982E-05	8.62796E-05	0.000128948
9.38699E-05	3.742E-05	7.54248E-05	0.000119242	8.52842E-05	9.00504E-05	4.30269E-05	7.54248E-05	0.000124672
8.36499E-05	2.94714E-05	6.82804E-05	0.000117259	7.65504E-05	8.10203E-05	3.692E-05	6.82804E-05	0.000122568
7.53752E-05	2.22371E-05	6.26708E-05	0.000117453	6.95748E-05	7.38573E-05	3.16061E-05	6.26708E-05	0.00012277
7.05151E-05	1.87994E-05	5.95033E-05	0.000121936	6.55054E-05	6.96138E-05	2.90808E-05	5.95033E-05	0.000127598
7.00326E-05	1.77782E-05	5.98293E-05	0.000130733	6.53843E-05	6.95027E-05	2.88708E-05	5.98293E-05	0.000137038
7.35378E-05	1.83392E-05	6.39205E-05	0.000143173	6.91173E-05	7.34384E-05	3.08066E-05	6.39205E-05	0.000150369
8.1128E-05	2.07441E-05	7.07109E-05	0.00015895	7.63173E-05	8.10629E-05	3.42425E-05	7.07109E-05	0.000167259
8.78151E-05	2.37629E-05	7.61572E-05	0.000168081	8.24138E-05	8.74863E-05	3.74409E-05	7.61572E-05	0.000177163
9.01898E-05	2.71501E-05	7.81859E-05	0.00021777	8.45531E-05	8.96173E-05	3.96536E-05	7.81859E-05	0.000222404
8.55349E-05	2.83498E-05	7.75003E-05	0.000222976	8.15008E-05	8.6159E-05	4.02014E-05	7.75003E-05	0.00022806
8.61133E-05	2.92031E-05	7.7775E-05	0.000225711	8.19298E-05	8.65797E-05	4.07038E-05	7.7775E-05	0.000230941
9.12582E-05	3.1067E-05	8.19799E-05	0.000225901	8.66402E-05	9.15747E-05	4.28903E-05	8.19799E-05	0.000231118
9.56961E-05	3.26116E-05	8.56038E-05	0.00022726	9.07038E-05	9.58887E-05	4.47349E-05	8.56038E-05	0.000232562
9.70755E-05	3.22271E-05	8.666E-05	0.000222456	9.19642E-05	9.72929E-05	4.47206E-05	8.666E-05	0.000228736
0.000100868	3.28254E-05	9.0037E-05	0.000219717	9.55734E-05	0.000101159	4.60513E-05	9.0037E-05	0.000225799
0.000105775	3.29551E-05	9.49747E-05	0.000214109	0.000100496	0.000106441	4.77833E-05	9.49747E-05	0.0002198
0.000112432	3.39235E-05	0.000101095	0.000208449	0.000106912	0.000113308	5.02071E-05	0.000101095	0.00021242

0.000122328	3.6169E-05	0.000109111	0.000196308	0.000115983	0.000123027	5.35295E-05	0.000109111	0.00019942
0.00013079	3.87581E-05	0.000117684	0.000187902	0.000124424	0.000131913	5.80273E-05	0.000117684	0.000190437
0.000133802	4.34782E-05	0.000119306	0.000181763	0.000126728	0.000134147	6.0954E-05	0.000119306	0.000183898
0.000136721	5.08408E-05	0.000117961	0.000165656	0.000127682	0.000134931	6.34136E-05	0.000117961	0.000169305
0.000130891	5.33735E-05	0.000111443	0.000150566	0.000121486	0.000128133	6.25534E-05	0.000111443	0.000155662
0.000120817	5.11898E-05	0.000100851	0.000136028	0.000111247	0.000117264	5.79066E-05	0.000100851	0.000141426
0.000109706	4.51525E-05	8.77949E-05	0.000125188	9.94879E-05	0.000105004	5.05824E-05	8.77949E-05	0.000131011
9.53646E-05	3.77141E-05	7.68404E-05	0.000120985	8.67396E-05	9.15998E-05	4.36486E-05	7.68404E-05	0.000126529
8.47289E-05	2.96843E-05	6.93056E-05	0.000118508	7.76024E-05	8.21401E-05	3.73717E-05	6.93056E-05	0.000123897
7.53752E-05	2.22371E-05	6.26708E-05	0.000117453	6.95748E-05	7.38573E-05	3.16061E-05	6.26708E-05	0.00012277
7.05151E-05	1.87994E-05	5.95033E-05	0.000121936	6.55054E-05	6.96138E-05	2.90808E-05	5.95033E-05	0.000127598
7.00326E-05	1.77782E-05	5.98293E-05	0.000130733	6.53843E-05	6.95027E-05	2.88708E-05	5.98293E-05	0.000137038
7.35378E-05	1.83392E-05	6.39205E-05	0.000143173	6.91173E-05	7.34384E-05	3.08066E-05	6.39205E-05	0.000150369
8.1128E-05	2.07441E-05	7.07109E-05	0.00015895	7.63173E-05	8.10629E-05	3.42425E-05	7.07109E-05	0.000167259
8.78151E-05	2.37629E-05	7.61572E-05	0.000168081	8.24138E-05	8.74863E-05	3.74409E-05	7.61572E-05	0.000177163
9.01898E-05	2.71501E-05	7.81859E-05	0.00021777	8.45531E-05	8.96173E-05	3.96536E-05	7.81859E-05	0.000222404
8.55349E-05	2.83498E-05	7.75003E-05	0.000222976	8.15008E-05	8.6159E-05	4.02014E-05	7.75003E-05	0.00022806
8.61133E-05	2.92031E-05	7.7775E-05	0.000225711	8.19298E-05	8.65797E-05	4.07038E-05	7.7775E-05	0.000230941
9.12582E-05	3.1067E-05	8.19799E-05	0.000225901	8.66402E-05	9.15747E-05	4.28903E-05	8.19799E-05	0.000231118
9.56961E-05	3.26116E-05	8.56038E-05	0.00022726	9.07038E-05	9.58887E-05	4.47349E-05	8.56038E-05	0.000232562
9.70755E-05	3.22271E-05	8.666E-05	0.000222456	9.19642E-05	9.72929E-05	4.47206E-05	8.666E-05	0.000228736
0.000100868	3.28254E-05	9.0037E-05	0.000219717	9.55734E-05	0.000101159	4.60513E-05	9.0037E-05	0.000225799
0.000105775	3.29551E-05	9.49747E-05	0.000214109	0.000100496	0.000106441	4.77833E-05	9.49747E-05	0.0002198
0.000112432	3.39235E-05	0.000101095	0.000208449	0.000106912	0.000113308	5.02071E-05	0.000101095	0.00021242
0.000122328	3.6169E-05	0.000109111	0.000196308	0.000115983	0.000123027	5.35295E-05	0.000109111	0.00019942
0.00013079	3.87581E-05	0.000117684	0.000187902	0.000124424	0.000131913	5.80273E-05	0.000117684	0.000190437
0.000133802	4.34782E-05	0.000119306	0.000181763	0.000126728	0.000134147	6.0954E-05	0.000119306	0.000183898
0.000136721	5.08408E-05	0.000117961	0.000165656	0.000127682	0.000134931	6.34136E-05	0.000117961	0.000169305
0.000130891	5.33735E-05	0.000111443	0.000150566	0.000121486	0.000128133	6.25534E-05	0.000111443	0.000155662
0.000120817	5.11898E-05	0.000100851	0.000136028	0.000111247	0.000117264	5.79066E-05	0.000100851	0.000141426
0.000109706	4.51525E-05	8.77949E-05	0.000125188	9.94879E-05	0.000105004	5.05824E-05	8.77949E-05	0.000131011
9.53646E-05	3.77141E-05	7.68404E-05	0.000120985	8.67396E-05	9.15998E-05	4.36486E-05	7.68404E-05	0.000126529
8.47289E-05	2.96843E-05	6.93056E-05	0.000118508	7.76024E-05	8.21401E-05	3.73717E-05	6.93056E-05	0.000123897
7.53752E-05	2.22371E-05	6.26708E-05	0.000117453	6.95748E-05	7.38573E-05	3.16061E-05	6.26708E-05	0.00012277
7.05151E-05	1.87994E-05	5.95033E-05	0.000121936	6.55054E-05	6.96138E-05	2.90808E-05	5.95033E-05	0.000127598
7.00326E-05	1.77782E-05	5.98293E-05	0.000130733	6.53843E-05	6.95027E-05	2.88708E-05	5.98293E-05	0.000137038
7.35378E-05	1.83392E-05	6.39205E-05	0.000143173	6.91173E-05	7.34384E-05	3.08066E-05	6.39205E-05	0.000150369
8.1128E-05	2.07441E-05	7.07109E-05	0.00015895	7.63173E-05	8.10629E-05	3.42425E-05	7.07109E-05	0.000167259
8.78151E-05	2.37629E-05	7.61572E-05	0.000168081	8.24138E-05	8.74863E-05	3.74409E-05	7.61572E-05	0.000177163
9.01898E-05	2.71501E-05	7.81859E-05	0.00021777	8.45531E-05	8.96173E-05	3.96536E-05	7.81859E-05	0.000222404
8.55349E-05	2.83498E-05	7.75003E-05	0.000222976	8.15008E-05	8.6159E-05	4.02014E-05	7.75003E-05	0.00022806
8.61133E-05	2.92031E-05	7.7775E-05	0.000225711	8.19298E-05	8.65797E-05	4.07038E-05	7.7775E-05	0.000230941
9.12582E-05	3.1067E-05	8.19799E-05	0.000225901	8.66402E-05	9.15747E-05	4.28903E-05	8.19799E-05	0.000231118
9.56961E-05	3.26116E-05	8.56038E-05	0.00022726	9.07038E-05	9.58887E-05	4.47349E-05	8.56038E-05	0.000232562
9.70755E-05	3.22271E-05	8.666E-05	0.000222456	9.19642E-05	9.72929E-05	4.47206E-05	8.666E-05	0.000228736
0.000100868	3.28254E-05	9.0037E-05	0.000219717	9.55734E-05	0.000101159	4.60513E-05	9.0037E-05	0.000225799
0.000105775	3.29551E-05	9.49747E-05	0.000214109	0.000100496	0.000106441	4.77833E-05	9.49747E-05	0.0002198
0.000112432	3.39235E-05	0.000101095	0.000208449	0.000106912	0.000113308	5.02071E-05	0.000101095	0.00021242
0.000122328	3.6169E-05	0.000109111	0.000196308	0.000115983	0.000123027	5.35295E-05	0.000109111	0.00019942
0.00013079	3.87581E-05	0.000117684	0.000187902	0.000124424	0.000131913	5.80273E-05	0.000117684	0.000190437
0.000133802	4.34782E-05	0.000119306	0.000181763	0.000126728	0.000134147	6.0954E-05	0.000119306	0.000183898
0.000136721	5.08408E-05	0.000117961	0.000165656	0.000127682	0.000134931	6.34136E-05	0.000117961	0.000169305
0.000130891	5.33735E-05	0.000111443	0.000150566	0.000121486	0.000128133	6.25534E-05	0.000111443	0.000155662
0.000120817	5.11898E-05	0.000100851	0.000136028	0.000111247	0.000117264	5.79066E-05	0.000100851	0.000141426
0.000109706	4.51525E-05	8.77949E-05	0.000125188	9.94879E-05	0.000105004	5.05824E-05	8.77949E-05	0.000131011
9.53646E-05	3.77141E-05	7.68404E-05	0.000120985	8.67396E-05	9.15998E-05	4.36486E-05	7.68404E-05	0.000126529
8.47289E-05	2.96843E-05	6.93056E-05	0.000118508	7.76024E-05	8.21401E-05	3.73717E-05	6.93056E-05	0.000123897
7.40361E-05	2.19922E-05	6.1486E-05	0.000118238	6.83046E-05	7.24986E-05	3.11209E-05	6.1486E-05	0.000123624
7.0717E-05	1.88422E-05	5.97087E-05	0.000121154	6.57077E-05	6.98281E-05	2.91769E-05	5.97087E-05	0.000126756
7.01702E-05	1.77992E-05	5.99322E-05	0.00012999	6.55073E-05	6.96358E-05	2.89044E-05	5.99322E-05	0.000136238
7.3509E-05	1.83264E-05	6.38613E-05	0.000142158	6.90764E-05	7.33973E-05	3.07671E-05	6.38613E-05	0.00014928
8.08373E-05	2.06743E-05	7.03788E-05	0.000157468	7.60113E-05	8.07416E-05	3.40727E-05	7.03788E-05	0.00016567
8.77626E-05	2.3733E-05	7.60193E-05	0.000166047	8.23272E-05	8.7401E-05	3.73431E-05	7.60193E-05	0.000174981
8.88599E-05	2.71429E-05	7.82524E-05	0.000215424	8.38004E-05	8.87778E-05	3.96711E-05	7.82524E-05	0.000219891
8.62545E-05	2.84901E-05	7.81759E-05	0.000220017	8.21991E-05	8.69029E-05	4.04955E-05	7.81759E-05	0.000224893
8.68899E-05	2.93504E-05	7.84856E-05	0.000222458	8.2676E-05	8.7376E-05	4.10054E-05	7.84856E-05	0.000227465
9.12722E-05	3.10674E-05	8.19822E-05	0.00022272	8.66494E-05	9.15854E-05	4.28867E-05	8.19822E-05	0.000227721
9.47103E-05	3.24214E-05	8.46872E-05	0.000223991	8.97508E-05	9.48728E-05	4.43394E-05	8.46872E-05	0.000229077
9.54938E-05	3.1912E-05	8.51439E-05	0.000219098	9.04168E-05	9.56469E-05	4.40471E-05	8.51439E-05	0.000225155
9.87636E-05	3.24146E-05	8.80579E-05	0.000216731	9.353E-05	9.89826E-05	4.51879E-05	8.80579E-05	0.000222617
0.000103128	3.24675E-05	9.2617E-05	0.000210774	9.79783E-05	0.00010375	4.68107E-05	9.2617E-05	0.000216244
0.000109204	3.33311E-05	9.82293E-05	0.000205314	0.000103846	0.000110029	4.90295E-05	9.82293E-05	0.000209079
0.000117959	3.53914E-05	0.000105342	0.000193105	0.000111878	0.000118628	5.2029E-05	0.000105342	0.000196006
0.000125903	3.77914E-05	0.000113032	0.000184548	0.000119656	0.000126838	5.59737E-05	0.000113032	0.000186859
0.000129598	4.26254E-05	0.000115209	0.000178303	0.000122588	0.000129748	5.91055E-05	0.000115209	0.000180199
0.00013311	5.01402E-05	0.000114585	0.000162173	0.000124183	0.000131203	6.19492E-05	0.000114585	0.000165584

0.000127926	5.28282E-05	0.000108806	0.000147223	0.000118668	0.00012512	6.14672E-05	0.000108806	0.000152091
0.00011993	5.07931E-05	9.883E-05	0.000133404	0.0001099	0.000115856	5.70916E-05	9.883E-05	0.000138624
0.000107943	4.484E-05	8.62796E-05	0.000123251	9.78333E-05	0.000103231	4.9982E-05	8.62796E-05	0.000128948
9.38699E-05	3.742E-05	7.54248E-05	0.000119242	8.52842E-05	9.00504E-05	4.30269E-05	7.54248E-05	0.000124672
8.36499E-05	2.94714E-05	6.82804E-05	0.000117259	7.65504E-05	8.10203E-05	3.692E-05	6.82804E-05	0.000122568
7.40361E-05	2.19922E-05	6.1486E-05	0.000118238	6.83046E-05	7.24986E-05	3.11209E-05	6.1486E-05	0.000123624
7.0717E-05	1.88422E-05	5.97087E-05	0.000121154	6.57077E-05	6.98281E-05	2.91769E-05	5.97087E-05	0.000126756
7.01702E-05	1.77992E-05	5.99322E-05	0.00012999	6.55073E-05	6.96358E-05	2.89044E-05	5.99322E-05	0.000136238
7.3509E-05	1.83264E-05	6.38613E-05	0.000142158	6.90764E-05	7.33973E-05	3.07671E-05	6.38613E-05	0.00014928
8.08373E-05	2.06743E-05	7.03788E-05	0.000157468	7.60113E-05	8.07416E-05	3.40727E-05	7.03788E-05	0.00016567
8.77626E-05	2.3733E-05	7.60193E-05	0.000166047	8.23272E-05	8.7401E-05	3.73431E-05	7.60193E-05	0.000174981
8.88599E-05	2.71429E-05	7.82524E-05	0.000215424	8.38004E-05	8.87778E-05	3.96711E-05	7.82524E-05	0.000219891
8.62545E-05	2.84901E-05	7.81759E-05	0.000220017	8.21991E-05	8.69029E-05	4.04955E-05	7.81759E-05	0.000224893
8.68899E-05	2.93504E-05	7.84856E-05	0.000222458	8.2676E-05	8.7376E-05	4.10054E-05	7.84856E-05	0.000227465
9.12722E-05	3.10674E-05	8.19822E-05	0.00022272	8.66494E-05	9.15854E-05	4.28867E-05	8.19822E-05	0.000227721
9.47103E-05	3.24214E-05	8.46872E-05	0.000223991	8.97508E-05	9.48728E-05	4.43394E-05	8.46872E-05	0.000229077
9.54938E-05	3.1912E-05	8.51439E-05	0.000219098	9.04168E-05	9.56469E-05	4.40471E-05	8.51439E-05	0.000225155
9.87636E-05	3.24146E-05	8.80579E-05	0.000216731	9.353E-05	9.89826E-05	4.51879E-05	8.80579E-05	0.000222617
0.000103128	3.24675E-05	9.2617E-05	0.000210774	9.79783E-05	0.00010375	4.68107E-05	9.2617E-05	0.000216244
0.000109204	3.33311E-05	9.82293E-05	0.000205314	0.000103846	0.000110029	4.90295E-05	9.82293E-05	0.000209079
0.000117959	3.53914E-05	0.000105342	0.000193105	0.000111878	0.000118628	5.2029E-05	0.000105342	0.000196006
0.000125903	3.77914E-05	0.000113032	0.000184548	0.000119656	0.000126838	5.59737E-05	0.000113032	0.000186859
0.000129598	4.26254E-05	0.000115209	0.000178303	0.000122588	0.000129748	5.91055E-05	0.000115209	0.000180199
0.00013311	5.01402E-05	0.000114585	0.000162173	0.000124183	0.000131203	6.19492E-05	0.000114585	0.000165584

8.36499E-05	2.94714E-05	6.82804E-05	0.000117259	7.65504E-05	8.10203E-05	3.692E-05	6.82804E-05	0.000122568
7.53752E-05	2.22371E-05	6.26708E-05	0.000117453	6.95748E-05	7.38573E-05	3.16061E-05	6.26708E-05	0.00012277
7.05151E-05	1.87994E-05	5.95033E-05	0.000121936	6.55054E-05	6.96138E-05	2.90808E-05	5.95033E-05	0.000127598
7.00326E-05	1.77782E-05	5.98293E-05	0.000130733	6.53843E-05	6.95027E-05	2.88708E-05	5.98293E-05	0.000137038
7.35378E-05	1.83392E-05	6.39205E-05	0.000143173	6.91173E-05	7.34384E-05	3.08066E-05	6.39205E-05	0.000150369
8.1128E-05	2.07441E-05	7.07109E-05	0.00015895	7.63173E-05	8.10629E-05	3.42425E-05	7.07109E-05	0.000167259
8.78151E-05	2.37629E-05	7.61572E-05	0.000168081	8.24138E-05	8.74863E-05	3.74409E-05	7.61572E-05	0.000177163
9.01898E-05	2.71501E-05	7.81859E-05	0.00021777	8.45531E-05	8.96173E-05	3.96536E-05	7.81859E-05	0.000222404
8.55349E-05	2.83498E-05	7.75003E-05	0.000222976	8.15008E-05	8.6159E-05	4.02014E-05	7.75003E-05	0.00022806
8.61133E-05	2.92031E-05	7.7775E-05	0.000225711	8.19298E-05	8.65797E-05	4.07038E-05	7.7775E-05	0.000230941
9.12582E-05	3.1067E-05	8.19799E-05	0.000225901	8.66402E-05	9.15747E-05	4.28903E-05	8.19799E-05	0.000231118
9.56961E-05	3.26116E-05	8.56038E-05	0.00022726	9.07038E-05	9.58887E-05	4.47349E-05	8.56038E-05	0.000232562
9.70755E-05	3.22271E-05	8.666E-05	0.000222456	9.19642E-05	9.72929E-05	4.47206E-05	8.666E-05	0.000228736
0.000100868	3.28254E-05	9.0037E-05	0.000219717	9.55734E-05	0.000101159	4.60513E-05	9.0037E-05	0.000225799
0.000105775	3.29551E-05	9.49747E-05	0.000214109	0.000100496	0.000106441	4.77833E-05	9.49747E-05	0.0002198
0.000112432	3.39235E-05	0.000101095	0.000208449	0.000106912	0.000113308	5.02071E-05	0.000101095	0.00021242
0.000122328	3.6169E-05	0.000109111	0.000196308	0.000115983	0.000123027	5.35295E-05	0.000109111	0.00019942
0.00013079	3.87581E-05	0.000117684	0.000187902	0.000124424	0.000131913	5.80273E-05	0.000117684	0.000190437
0.000133802	4.34782E-05	0.000119306	0.000181763	0.000126728	0.000134147	6.0954E-05	0.000119306	0.000183898
0.000136721	5.08408E-05	0.000117961	0.000165656	0.000127682	0.000134931	6.34136E-05	0.000117961	0.000169305
0.000130891	5.33735E-05	0.000111443	0.000150566	0.000121486	0.000128133	6.25534E-05	0.000111443	0.000155662
0.000120817	5.11898E-05	0.000100851	0.000136028	0.000111247	0.000117264	5.79066E-05	0.000100851	0.000141426
0.000109706	4.51525E-05	8.77949E-05	0.000125188	9.94879E-05	0.000105004	5.05824E-05	8.77949E-05	0.000131011
9.53646E-05	3.77141E-05	7.68404E-05	0.000120985	8.67396E-05	9.15998E-05	4.36486E-05	7.68404E-05	0.000126529
8.47289E-05	2.96843E-05	6.93056E-05	0.000118508	7.76024E-05	8.21401E-05	3.73717E-05	6.93056E-05	0.000123897
7.53752E-05	2.22371E-05	6.26708E-05	0.000117453	6.95748E-05	7.38573E-05	3.16061E-05	6.26708E-05	0.00012277
7.05151E-05	1.87994E-05	5.95033E-05	0.000121936	6.55054E-05	6.96138E-05	2.90808E-05	5.95033E-05	0.000127598
7.00326E-05	1.77782E-05	5.98293E-05	0.000130733	6.53843E-05	6.95027E-05	2.88708E-05	5.98293E-05	0.000137038
7.35378E-05	1.83392E-05	6.39205E-05	0.000143173	6.91173E-05	7.34384E-05	3.08066E-05	6.39205E-05	0.000150369
8.1128E-05	2.07441E-05	7.07109E-05	0.00015895	7.63173E-05	8.10629E-05	3.42425E-05	7.07109E-05	0.000167259
8.78151E-05	2.37629E-05	7.61572E-05	0.000168081	8.24138E-05	8.74863E-05	3.74409E-05	7.61572E-05	0.000177163
9.01898E-05	2.71501E-05	7.81859E-05	0.00021777	8.45531E-05	8.96173E-05	3.96536E-05	7.81859E-05	0.000222404
8.55349E-05	2.83498E-05	7.75003E-05	0.000222976	8.15008E-05	8.6159E-05	4.02014E-05	7.75003E-05	0.00022806
8.61133E-05	2.92031E-05	7.7775E-05	0.000225711	8.19298E-05	8.65797E-05	4.07038E-05	7.7775E-05	0.000230941
9.12582E-05	3.1067E-05	8.19799E-05	0.000225901	8.66402E-05	9.15747E-05	4.28903E-05	8.19799E-05	0.000231118
9.56961E-05	3.26116E-05	8.56038E-05	0.00022726	9.07038E-05	9.58887E-05	4.47349E-05	8.56038E-05	0.000232562
9.70755E-05	3.22271E-05	8.666E-05	0.000222456	9.19642E-05	9.72929E-05	4.47206E-05	8.666E-05	0.000228736
0.000100868	3.28254E-05	9.0037E-05	0.000219717	9.55734E-05	0.000101159	4.60513E-05	9.0037E-05	0.000225799
0.000105775	3.29551E-05	9.49747E-05	0.000214109	0.000100496	0.000106441	4.77833E-05	9.49747E-05	0.0002198
0.000112432	3.39235E-05	0.000101095	0.000208449	0.000106912	0.000113308	5.02071E-05	0.000101095	0.00021242
0.000122328	3.6169E-05	0.000109111	0.000196308	0.000115983	0.000123027	5.35295E-05	0.000109111	0.00019942
0.00013079	3.87581E-05	0.000117684	0.000187902	0.000124424	0.000131913	5.80273E-05	0.000117684	0.000190437
0.000133802	4.34782E-05	0.000119306	0.000181763	0.000126728	0.000134147	6.0954E-05	0.000119306	0.000183898
0.000136721	5.08408E-05	0.000117961	0.000165656	0.000127682	0.000134931	6.34136E-05	0.000117961	0.000169305
0.000130891	5.33735E-05	0.000111443	0.000150566	0.000121486	0.000128133	6.25534E-05	0.000111443	0.000155662
0.000120817	5.11898E-05	0.000100851	0.000136028	0.000111247	0.000117264	5.79066E-05	0.000100851	0.000141426
0.000109706	4.51525E-05	8.77949E-05	0.000125188	9.94879E-05	0.000105004	5.05824E-05	8.77949E-05	0.000131011
9.53646E-05	3.77141E-05	7.68404E-05	0.000120985	8.67396E-05	9.15998E-05	4.36486E-05	7.68404E-05	0.000126529
8.47289E-05	2.96843E-05	6.93056E-05	0.000118508	7.76024E-05	8.21401E-05	3.73717E-05	6.93056E-05	0.000123897
7.40361E-05	2.19922E-05	6.1486E-05	0.000118238	6.83046E-05	7.24986E-05	3.11209E-05	6.1486E-05	0.000123624
7.0717E-05	1.88422E-05	5.97087E-05	0.000121154	6.57077E-05	6.98281E-05	2.91769E-05	5.97087E-05	0.000126756
7.01702E-05	1.77992E-05	5.99322E-05	0.00012999	6.55073E-05	6.96358E-05	2.89044E-05	5.99322E-05	0.000136238
7.3509E-05	1.83264E-05	6.38613E-05	0.000142158	6.90764E-05	7.33973E-05	3.07671E-05	6.38613E-05	0.00014928
8.08373E-05	2.06743E-05	7.03788E-05	0.000157468	7.60113E-05	8.07416E-05	3.40727E-05	7.03788E-05	0.00016567
8.77626E-05	2.3733E-05	7.60193E-05	0.000166047	8.23272E-05	8.7401E-05	3.73431E-05	7.60193E-05	0.000174981
8.88599E-05	2.71429E-05	7.82524E-05	0.000215424	8.38004E-05	8.87778E-05	3.96711E-05	7.82524E-05	0.000219891
8.62545E-05	2.84901E-05	7.81759E-05	0.000220017	8.21991E-05	8.69029E-05	4.04955E-05	7.81759E-05	0.000224893
8.68899E-05	2.93504E-05	7.84856E-05	0.000222458	8.2676E-05	8.7376E-05	4.10054E-05	7.84856E-05	0.000227465
9.12722E-05	3.10674E-05	8.19822E-05	0.00022272	8.66494E-05	9.15854E-05	4.28867E-05	8.19822E-05	0.000227721
9.47103E-05	3.24214E-05	8.46872E-05	0.000223991	8.97508E-05	9.48728E-05	4.43394E-05	8.46872E-05	0.000229077
9.54938E-05	3.1912E-05	8.51439E-05	0.000219098	9.04168E-05	9.56469E-05	4.40471E-05	8.51439E-05	0.000225155
9.87636E-05	3.24146E-05	8.80579E-05	0.000216731	9.353E-05	9.89826E-05	4.51879E-05	8.80579E-05	0.000222617
0.000103128	3.24675E-05	9.2617E-05	0.000210774	9.79783E-05	0.00010375	4.68107E-05	9.2617E-05	0.000216244
0.000109204	3.33311E-05	9.82293E-05	0.000205314	0.000103846	0.000110029	4.90295E-05	9.82293E-05	0.000209079
0.000117959	3.53914E-05	0.000105342	0.000193105	0.000111878	0.000118628	5.2029E-05	0.000105342	0.000196006
0.000125903	3.77914E-05	0.000113032	0.000184548	0.000119656	0.000126838	5.59737E-05	0.000113032	0.000186859
0.000129598	4.26254E-05	0.000115209	0.000178303	0.000122588	0.000129748	5.91055E-05	0.000115209	0.000180199
0.00013311	5.01402E-05	0.000114585	0.000162173	0.000124183	0.000131203	6.19492E-05	0.000114585	0.000165584
0.000127926	5.28282E-05	0.000108806	0.000147223	0.000118668	0.00012512	6.14672E-05	0.000108806	0.000152091
0.00011993	5.07931E-05	9.883E-05	0.000133404	0.0001099	0.000115856	5.70916E-05	9.883E-05	0.000138624
0.000107943	4.484E-05	8.62796E-05	0.000123251	9.78333E-05	0.000103231	4.9982E-05	8.62796E-05	0.000128948
9.38699E-05	3.742E-05	7.54248E-05	0.000119242	8.52842E-05	9.00504E-05	4.30269E-05	7.54248E-05	0.000124672
8.36499E-05	2.94714E-05	6.82804E-05	0.000117259	7.65504E-05	8.10203E-05	3.692E-05	6.82804E-05	0.000122568
7.40361E-05	2.19922E-05	6.1486E-05	0.000118238	6.83046E-05	7.24986E-05	3.11209E-05	6.1486E-05	0.000123624
7.0717E-05	1.88422E-05	5.97087E-05	0.000121154	6.57077E-05	6.98281E-05	2.91769E-05	5.97087E-05	0.000126756
7.01702E-05	1.77992E-05	5.99322E-05	0.00012999	6.55073E-05	6.96358E-05	2.89044E-05	5.99322E-05	0.000136238

7.3509E-05	1.83264E-05	6.38613E-05	0.000142158	6.90764E-05	7.33973E-05	3.07671E-05	6.38613E-05	0.00014928
8.08373E-05	2.06743E-05	7.03788E-05	0.000157468	7.60113E-05	8.07416E-05	3.40727E-05	7.03788E-05	0.00016567
8.77626E-05	2.3733E-05	7.60193E-05	0.000166047	8.23272E-05	8.7401E-05	3.73431E-05	7.60193E-05	0.000174981
8.88599E-05	2.71429E-05	7.82524E-05	0.000215424	8.38004E-05	8.87778E-05	3.96711E-05	7.82524E-05	0.000219891
8.62545E-05	2.84901E-05	7.81759E-05	0.000220017	8.21991E-05	8.69029E-05	4.04955E-05	7.81759E-05	0.000224893
8.68899E-05	2.93504E-05	7.84856E-05	0.000222458	8.2676E-05	8.7376E-05	4.10054E-05	7.84856E-05	0.000227465
9.12722E-05	3.10674E-05	8.19822E-05	0.00022272	8.66494E-05	9.15854E-05	4.28867E-05	8.19822E-05	0.000227721
9.47103E-05	3.24214E-05	8.46872E-05	0.000223991	8.97508E-05	9.48728E-05	4.43394E-05	8.46872E-05	0.000229077
9.54938E-05	3.1912E-05	8.51439E-05	0.000219098	9.04168E-05	9.56469E-05	4.40471E-05	8.51439E-05	0.000225155
9.87636E-05	3.24146E-05	8.80579E-05	0.000216731	9.353E-05	9.89826E-05	4.51879E-05	8.80579E-05	0.000222617
0.000103128	3.24675E-05	9.2617E-05	0.000210774	9.79783E-05	0.00010375	4.68107E-05	9.2617E-05	0.000216244
0.000109204	3.33311E-05	9.82293E-05	0.000205314	0.000103846	0.000110029	4.90295E-05	9.82293E-05	0.000209079
0.000117959	3.53914E-05	0.000105342	0.000193105	0.000111878	0.000118628	5.2029E-05	0.000105342	0.000196006
0.000125903	3.77914E-05	0.000113032	0.000184548	0.000119656	0.000126838	5.59737E-05	0.000113032	0.000186859
0.000129598	4.26254E-05	0.000115209	0.000178303	0.000122588	0.000129748	5.91055E-05	0.000115209	0.000180199
0.00013311	5.01402E-05	0.000114585	0.000162173	0.000124183	0.000131203	6.19492E-05	0.000114585	0.000165584
0.000127926	5.28282E-05	0.000108806	0.000147223	0.000118668	0.00012512	6.14672E-05	0.000108806	0.000152091
0.00011993	5.07931E-05	9.883E-05	0.000133404	0.0001099	0.000115856	5.70916E-05	9.883E-05	0.000138624
0.000107943	4.484E-05	8.62796E-05	0.000123251	9.78333E-05	0.000103231	4.9982E-05	8.62796E-05	0.000128948
9.38699E-05	3.742E-05	7.54248E-05	0.000119242	8.52842E-05	9.00504E-05	4.30269E-05	7.54248E-05	0.000124672
8.36499E-05	2.94714E-05	6.82804E-05	0.000117259	7.65504E-05	8.10203E-05	3.692E-05	6.82804E-05	0.000122568
7.40361E-05	2.19922E-05	6.1486E-05	0.000118238	6.83046E-05	7.24986E-05	3.11209E-05	6.1486E-05	0.000123624
7.0717E-05	1.88422E-05	5.97087E-05	0.000121154	6.57077E-05	6.98281E-05	2.91769E-05	5.97087E-05	0.000126756
7.01702E-05	1.77992E-05	5.99322E-05	0.00012999	6.55073E-05	6.96358E-05	2.89044E-05	5.99322E-05	0.000136238

8.62545E-05	2.84901E-05	7.81759E-05	0.000220017	8.21991E-05	8.69029E-05	4.04955E-05	7.81759E-05	0.000224893
8.68899E-05	2.93504E-05	7.84856E-05	0.000222458	8.2676E-05	8.7376E-05	4.10054E-05	7.84856E-05	0.000227465
9.12722E-05	3.10674E-05	8.19822E-05	0.00022272	8.66494E-05	9.15854E-05	4.28867E-05	8.19822E-05	0.000227721
9.47103E-05	3.24214E-05	8.46872E-05	0.000223991	8.97508E-05	9.48728E-05	4.43394E-05	8.46872E-05	0.000229077
9.54938E-05	3.1912E-05	8.51439E-05	0.000219098	9.04168E-05	9.56469E-05	4.40471E-05	8.51439E-05	0.000225155
9.87636E-05	3.24146E-05	8.80579E-05	0.000216731	9.353E-05	9.89826E-05	4.51879E-05	8.80579E-05	0.000222617
0.000103128	3.24675E-05	9.2617E-05	0.000210774	9.79783E-05	0.00010375	4.68107E-05	9.2617E-05	0.000216244
0.000109204	3.33311E-05	9.82293E-05	0.000205314	0.000103846	0.000110029	4.90295E-05	9.82293E-05	0.000209079
0.000117959	3.53914E-05	0.000105342	0.000193105	0.000111878	0.000118628	5.2029E-05	0.000105342	0.000196006
0.000125903	3.77914E-05	0.000113032	0.000184548	0.000119656	0.000126838	5.59737E-05	0.000113032	0.000186859
0.000129598	4.26254E-05	0.000115209	0.000178303	0.000122588	0.000129748	5.91055E-05	0.000115209	0.000180199
0.00013311	5.01402E-05	0.000114585	0.000162173	0.000124183	0.000131203	6.19492E-05	0.000114585	0.000165584
0.000127926	5.28282E-05	0.000108806	0.000147223	0.000118668	0.00012512	6.14672E-05	0.000108806	0.000152091
0.00011993	5.07931E-05	9.883E-05	0.000133404	0.0001099	0.000115856	5.70916E-05	9.883E-05	0.000138624
0.000107943	4.484E-05	8.62796E-05	0.000123251	9.78333E-05	0.000103231	4.9982E-05	8.62796E-05	0.000128948
9.38699E-05	3.742E-05	7.54248E-05	0.000119242	8.52842E-05	9.00504E-05	4.30269E-05	7.54248E-05	0.000124672
8.36499E-05	2.94714E-05	6.82804E-05	0.000117259	7.65504E-05	8.10203E-05	3.692E-05	6.82804E-05	0.000122568
7.53752E-05	2.22371E-05	6.26708E-05	0.000117453	6.95748E-05	7.38573E-05	3.16061E-05	6.26708E-05	0.00012277
7.05151E-05	1.87994E-05	5.95033E-05	0.000121936	6.55054E-05	6.96138E-05	2.90808E-05	5.95033E-05	0.000127598
7.00326E-05	1.77782E-05	5.98293E-05	0.000130733	6.53843E-05	6.95027E-05	2.88708E-05	5.98293E-05	0.000137038
7.35378E-05	1.83392E-05	6.39205E-05	0.000143173	6.91173E-05	7.34384E-05	3.08066E-05	6.39205E-05	0.000150369
8.1128E-05	2.07441E-05	7.07109E-05	0.00015895	7.63173E-05	8.10629E-05	3.42425E-05	7.07109E-05	0.000167259
8.78151E-05	2.37629E-05	7.61572E-05	0.000168081	8.24138E-05	8.74863E-05	3.74409E-05	7.61572E-05	0.000177163
9.01898E-05	2.71501E-05	7.81859E-05	0.00021777	8.45531E-05	8.96173E-05	3.96536E-05	7.81859E-05	0.000222404
8.55349E-05	2.83498E-05	7.75003E-05	0.000222976	8.15008E-05	8.6159E-05	4.02014E-05	7.75003E-05	0.00022806
8.61133E-05	2.92031E-05	7.7775E-05	0.000225711	8.19298E-05	8.65797E-05	4.07038E-05	7.7775E-05	0.000230941
9.12582E-05	3.1067E-05	8.19799E-05	0.000225901	8.66402E-05	9.15747E-05	4.28903E-05	8.19799E-05	0.000231118
9.56961E-05	3.26116E-05	8.56038E-05	0.00022726	9.07038E-05	9.58887E-05	4.47349E-05	8.56038E-05	0.000232562
9.70755E-05	3.22271E-05	8.666E-05	0.000222456	9.19642E-05	9.72929E-05	4.47206E-05	8.666E-05	0.000228736
0.000100868	3.28254E-05	9.0037E-05	0.000219717	9.55734E-05	0.000101159	4.60513E-05	9.0037E-05	0.000225799
0.000105775	3.29551E-05	9.49747E-05	0.000214109	0.000100496	0.000106441	4.77833E-05	9.49747E-05	0.0002198
0.000112432	3.39235E-05	0.000101095	0.000208449	0.000106912	0.000113308	5.02071E-05	0.000101095	0.00021242
0.000122328	3.6169E-05	0.000109111	0.000196308	0.000115983	0.000123027	5.35295E-05	0.000109111	0.00019942
0.00013079	3.87581E-05	0.000117684	0.000187902	0.000124424	0.000131913	5.80273E-05	0.000117684	0.000190437
0.000133802	4.34782E-05	0.000119306	0.000181763	0.000126728	0.000134147	6.0954E-05	0.000119306	0.000183898
0.000136721	5.08408E-05	0.000117961	0.000165656	0.000127682	0.000134931	6.34136E-05	0.000117961	0.000169305
0.000130891	5.33735E-05	0.000111443	0.000150566	0.000121486	0.000128133	6.25534E-05	0.000111443	0.000155662
0.000120817	5.11898E-05	0.000100851	0.000136028	0.000111247	0.000117264	5.79066E-05	0.000100851	0.000141426
0.000109706	4.51525E-05	8.77949E-05	0.000125188	9.94879E-05	0.000105004	5.05824E-05	8.77949E-05	0.000131011
9.53646E-05	3.77141E-05	7.68404E-05	0.000120985	8.67396E-05	9.15998E-05	4.36486E-05	7.68404E-05	0.000126529
8.47289E-05	2.96843E-05	6.93056E-05	0.000118508	7.76024E-05	8.21401E-05	3.73717E-05	6.93056E-05	0.000123897
7.53752E-05	2.22371E-05	6.26708E-05	0.000117453	6.95748E-05	7.38573E-05	3.16061E-05	6.26708E-05	0.00012277
7.05151E-05	1.87994E-05	5.95033E-05	0.000121936	6.55054E-05	6.96138E-05	2.90808E-05	5.95033E-05	0.000127598
7.00326E-05	1.77782E-05	5.98293E-05	0.000130733	6.53843E-05	6.95027E-05	2.88708E-05	5.98293E-05	0.000137038
7.35378E-05	1.83392E-05	6.39205E-05	0.000143173	6.91173E-05	7.34384E-05	3.08066E-05	6.39205E-05	0.000150369
8.1128E-05	2.07441E-05	7.07109E-05	0.00015895	7.63173E-05	8.10629E-05	3.42425E-05	7.07109E-05	0.000167259
8.78151E-05	2.37629E-05	7.61572E-05	0.000168081	8.24138E-05	8.74863E-05	3.74409E-05	7.61572E-05	0.000177163
9.01898E-05	2.71501E-05	7.81859E-05	0.00021777	8.45531E-05	8.96173E-05	3.96536E-05	7.81859E-05	0.000222404
8.55349E-05	2.83498E-05	7.75003E-05	0.000222976	8.15008E-05	8.6159E-05	4.02014E-05	7.75003E-05	0.00022806
8.61133E-05	2.92031E-05	7.7775E-05	0.000225711	8.19298E-05	8.65797E-05	4.07038E-05	7.7775E-05	0.000230941
9.12582E-05	3.1067E-05	8.19799E-05	0.000225901	8.66402E-05	9.15747E-05	4.28903E-05	8.19799E-05	0.000231118
9.56961E-05	3.26116E-05	8.56038E-05	0.00022726	9.07038E-05	9.58887E-05	4.47349E-05	8.56038E-05	0.000232562
9.70755E-05	3.22271E-05	8.666E-05	0.000222456	9.19642E-05	9.72929E-05	4.47206E-05	8.666E-05	0.000228736
0.000100868	3.28254E-05	9.0037E-05	0.000219717	9.55734E-05	0.000101159	4.60513E-05	9.0037E-05	0.000225799
0.000105775	3.29551E-05	9.49747E-05	0.000214109	0.000100496	0.000106441	4.77833E-05	9.49747E-05	0.0002198
0.000112432	3.39235E-05	0.000101095	0.000208449	0.000106912	0.000113308	5.02071E-05	0.000101095	0.00021242
0.000122328	3.6169E-05	0.000109111	0.000196308	0.000115983	0.000123027	5.35295E-05	0.000109111	0.00019942
0.00013079	3.87581E-05	0.000117684	0.000187902	0.000124424	0.000131913	5.80273E-05	0.000117684	0.000190437
0.000133802	4.34782E-05	0.000119306	0.000181763	0.000126728	0.000134147	6.0954E-05	0.000119306	0.000183898
0.000136721	5.08408E-05	0.000117961	0.000165656	0.000127682	0.000134931	6.34136E-05	0.000117961	0.000169305
0.000130891	5.33735E-05	0.000111443	0.000150566	0.000121486	0.000128133	6.25534E-05	0.000111443	0.000155662
0.000120817	5.11898E-05	0.000100851	0.000136028	0.000111247	0.000117264	5.79066E-05	0.000100851	0.000141426
0.000109706	4.51525E-05	8.77949E-05	0.000125188	9.94879E-05	0.000105004	5.05824E-05	8.77949E-05	0.000131011
9.53646E-05	3.77141E-05	7.68404E-05	0.000120985	8.67396E-05	9.15998E-05	4.36486E-05	7.68404E-05	0.000126529
8.47289E-05	2.96843E-05	6.93056E-05	0.000118508	7.76024E-05	8.21401E-05	3.73717E-05	6.93056E-05	0.000123897
7.40361E-05	2.19922E-05	6.1486E-05	0.000118238	6.83046E-05	7.24986E-05	3.11209E-05	6.1486E-05	0.000123624
7.0717E-05	1.88422E-05	5.97087E-05	0.000121154	6.57077E-05	6.98281E-05	2.91769E-05	5.97087E-05	0.000126756
7.01702E-05	1.77992E-05	5.99322E-05	0.00012999	6.55073E-05	6.96358E-05	2.89044E-05	5.99322E-05	0.000136238
7.3509E-05	1.83264E-05	6.38613E-05	0.000142158	6.90764E-05	7.33973E-05	3.07671E-05	6.38613E-05	0.00014928
8.08373E-05	2.06743E-05	7.03788E-05	0.000157468	7.60113E-05	8.07416E-05	3.40727E-05	7.03788E-05	0.00016567
8.77626E-05	2.3733E-05	7.60193E-05	0.000166047	8.23272E-05	8.7401E-05	3.73431E-05	7.60193E-05	0.000174981
8.88599E-05	2.71429E-05	7.82524E-05	0.000215424	8.38004E-05	8.87778E-05	3.96711E-05	7.82524E-05	0.000219891
8.62545E-05	2.84901E-05	7.81759E-05	0.000220017	8.21991E-05	8.69029E-05	4.04955E-05	7.81759E-05	0.000224893
8.68899E-05	2.93504E-05	7.84856E-05	0.000222458	8.2676E-05	8.7376E-05	4.10054E-05	7.84856E-05	0.000227465
9.12722E-05	3.10674E-05	8.19822E-05	0.00022272	8.66494E-05	9.15854E-05	4.28867E-05	8.19822E-05	0.000227721
9.47103E-05	3.24214E-05	8.46872E-05	0.000223991	8.97508E-05	9.48728E-05	4.43394E-05	8.46872E-05	0.000229077

9.54938E-05	3.1912E-05	8.51439E-05	0.000219098	9.04168E-05	9.56469E-05	4.40471E-05	8.51439E-05	0.000225155
9.87636E-05	3.24146E-05	8.80579E-05	0.000216731	9.353E-05	9.89826E-05	4.51879E-05	8.80579E-05	0.000222617
0.000103128	3.24675E-05	9.2617E-05	0.000210774	9.79783E-05	0.00010375	4.68107E-05	9.2617E-05	0.000216244
0.000109204	3.33311E-05	9.82293E-05	0.000205314	0.000103846	0.000110029	4.90295E-05	9.82293E-05	0.000209079
0.000117959	3.53914E-05	0.000105342	0.000193105	0.000111878	0.000118628	5.2029E-05	0.000105342	0.000196006
0.000125903	3.77914E-05	0.000113032	0.000184548	0.000119656	0.000126838	5.59737E-05	0.000113032	0.000186859
0.000129598	4.26254E-05	0.000115209	0.000178303	0.000122588	0.000129748	5.91055E-05	0.000115209	0.000180199
0.00013311	5.01402E-05	0.000114585	0.000162173	0.000124183	0.000131203	6.19492E-05	0.000114585	0.000165584
0.000127926	5.28282E-05	0.000108806	0.000147223	0.000118668	0.00012512	6.14672E-05	0.000108806	0.000152091
0.00011993	5.07931E-05	9.883E-05	0.000133404	0.0001099	0.000115856	5.70916E-05	9.883E-05	0.000138624
0.000107943	4.484E-05	8.62796E-05	0.000123251	9.78333E-05	0.000103231	4.9982E-05	8.62796E-05	0.000128948
9.38699E-05	3.742E-05	7.54248E-05	0.000119242	8.52842E-05	9.00504E-05	4.30269E-05	7.54248E-05	0.000124672
8.36499E-05	2.94714E-05	6.82804E-05	0.000117259	7.65504E-05	8.10203E-05	3.692E-05	6.82804E-05	0.000122568
7.40361E-05	2.19922E-05	6.1486E-05	0.000118238	6.83046E-05	7.24986E-05	3.11209E-05	6.1486E-05	0.000123624
7.0717E-05	1.88422E-05	5.97087E-05	0.000121154	6.57077E-05	6.98281E-05	2.91769E-05	5.97087E-05	0.000126756
7.01702E-05	1.77992E-05	5.99322E-05	0.00012999	6.55073E-05	6.96358E-05	2.89044E-05	5.99322E-05	0.000136238
7.3509E-05	1.83264E-05	6.38613E-05	0.000142158	6.90764E-05	7.33973E-05	3.07671E-05	6.38613E-05	0.00014928
8.08373E-05	2.06743E-05	7.03788E-05	0.000157468	7.60113E-05	8.07416E-05	3.40727E-05	7.03788E-05	0.00016567
8.77626E-05	2.3733E-05	7.60193E-05	0.000166047	8.23272E-05	8.7401E-05	3.73431E-05	7.60193E-05	0.000174981
8.88599E-05	2.71429E-05	7.82524E-05	0.000215424	8.38004E-05	8.87778E-05	3.96711E-05	7.82524E-05	0.000219891
8.62545E-05	2.84901E-05	7.81759E-05	0.000220017	8.21991E-05	8.69029E-05	4.04955E-05	7.81759E-05	0.000224893
8.68899E-05	2.93504E-05	7.84856E-05	0.000222458	8.2676E-05	8.7376E-05	4.10054E-05	7.84856E-05	0.000227465
9.12722E-05	3.10674E-05	8.19822E-05	0.00022272	8.66494E-05	9.15854E-05	4.28867E-05	8.19822E-05	0.000227721
9.47103E-05	3.24214E-05	8.46872E-05	0.000223991	8.97508E-05	9.48728E-05	4.43394E-05	8.46872E-05	0.000229077

0.000117959	3.53914E-05	0.000105342	0.000193105	0.000111878	0.000118628	5.2029E-05	0.000105342	0.000196006
0.000125903	3.77914E-05	0.000113032	0.000184548	0.000119656	0.000126838	5.59737E-05	0.000113032	0.000186859
0.000129598	4.26254E-05	0.000115209	0.000178303	0.000122588	0.000129748	5.91055E-05	0.000115209	0.000180199
0.00013311	5.01402E-05	0.000114585	0.000162173	0.000124183	0.000131203	6.19492E-05	0.000114585	0.000165584
0.000127926	5.28282E-05	0.000108806	0.000147223	0.000118668	0.00012512	6.14672E-05	0.000108806	0.000152091
0.00011993	5.07931E-05	9.883E-05	0.000133404	0.0001099	0.000115856	5.70916E-05	9.883E-05	0.000138624
0.000107943	4.484E-05	8.62796E-05	0.000123251	9.78333E-05	0.000103231	4.9982E-05	8.62796E-05	0.000128948
9.38699E-05	3.742E-05	7.54248E-05	0.000119242	8.52842E-05	9.00504E-05	4.30269E-05	7.54248E-05	0.000124672
8.36499E-05	2.94714E-05	6.82804E-05	0.000117259	7.65504E-05	8.10203E-05	3.692E-05	6.82804E-05	0.000122568
7.40361E-05	2.19922E-05	6.1486E-05	0.000118238	6.83046E-05	7.24986E-05	3.11209E-05	6.1486E-05	0.000123624
7.0717E-05	1.88422E-05	5.97087E-05	0.000121154	6.57077E-05	6.98281E-05	2.91769E-05	5.97087E-05	0.000126756
7.01702E-05	1.77992E-05	5.99322E-05	0.00012999	6.55073E-05	6.96358E-05	2.89044E-05	5.99322E-05	0.000136238
7.3509E-05	1.83264E-05	6.38613E-05	0.000142158	6.90764E-05	7.33973E-05	3.07671E-05	6.38613E-05	0.00014928
8.08373E-05	2.06743E-05	7.03788E-05	0.000157468	7.60113E-05	8.07416E-05	3.40727E-05	7.03788E-05	0.00016567
8.77626E-05	2.3733E-05	7.60193E-05	0.000166047	8.23272E-05	8.7401E-05	3.73431E-05	7.60193E-05	0.000174981
8.88599E-05	2.71429E-05	7.82524E-05	0.000215424	8.38004E-05	8.87778E-05	3.96711E-05	7.82524E-05	0.000219891
8.62545E-05	2.84901E-05	7.81759E-05	0.000220017	8.21991E-05	8.69029E-05	4.04955E-05	7.81759E-05	0.000224893
8.68899E-05	2.93504E-05	7.84856E-05	0.000222458	8.2676E-05	8.7376E-05	4.10054E-05	7.84856E-05	0.000227465
9.12722E-05	3.10674E-05	8.19822E-05	0.00022272	8.66494E-05	9.15854E-05	4.28867E-05	8.19822E-05	0.000227721
9.47103E-05	3.24214E-05	8.46872E-05	0.000223991	8.97508E-05	9.48728E-05	4.43394E-05	8.46872E-05	0.000229077
9.54938E-05	3.1912E-05	8.51439E-05	0.000219098	9.04168E-05	9.56469E-05	4.40471E-05	8.51439E-05	0.000225155
9.87636E-05	3.24146E-05	8.80579E-05	0.000216731	9.353E-05	9.89826E-05	4.51879E-05	8.80579E-05	0.000222617
0.000103128	3.24675E-05	9.2617E-05	0.000210774	9.79783E-05	0.00010375	4.68107E-05	9.2617E-05	0.000216244
0.000109204	3.33311E-05	9.82293E-05	0.000205314	0.000103846	0.000110029	4.90295E-05	9.82293E-05	0.000209079
0.000117959	3.53914E-05	0.000105342	0.000193105	0.000111878	0.000118628	5.2029E-05	0.000105342	0.000196006
0.000125903	3.77914E-05	0.000113032	0.000184548	0.000119656	0.000126838	5.59737E-05	0.000113032	0.000186859
0.000129598	4.26254E-05	0.000115209	0.000178303	0.000122588	0.000129748	5.91055E-05	0.000115209	0.000180199
0.00013311	5.01402E-05	0.000114585	0.000162173	0.000124183	0.000131203	6.19492E-05	0.000114585	0.000165584
0.000127926	5.28282E-05	0.000108806	0.000147223	0.000118668	0.00012512	6.14672E-05	0.000108806	0.000152091
0.00011993	5.07931E-05	9.883E-05	0.000133404	0.0001099	0.000115856	5.70916E-05	9.883E-05	0.000138624
0.000107943	4.484E-05	8.62796E-05	0.000123251	9.78333E-05	0.000103231	4.9982E-05	8.62796E-05	0.000128948
9.38699E-05	3.742E-05	7.54248E-05	0.000119242	8.52842E-05	9.00504E-05	4.30269E-05	7.54248E-05	0.000124672
8.36499E-05	2.94714E-05	6.82804E-05	0.000117259	7.65504E-05	8.10203E-05	3.692E-05	6.82804E-05	0.000122568
7.53752E-05	2.22371E-05	6.26708E-05	0.000117453	6.95748E-05	7.38573E-05	3.16061E-05	6.26708E-05	0.00012277
7.05151E-05	1.87994E-05	5.95033E-05	0.000121936	6.55054E-05	6.96138E-05	2.90808E-05	5.95033E-05	0.000127598
7.00326E-05	1.77782E-05	5.98293E-05	0.000130733	6.53843E-05	6.95027E-05	2.88708E-05	5.98293E-05	0.000137038
7.35378E-05	1.83392E-05	6.39205E-05	0.000143173	6.91173E-05	7.34384E-05	3.08066E-05	6.39205E-05	0.000150369
8.1128E-05	2.07441E-05	7.07109E-05	0.00015895	7.63173E-05	8.10629E-05	3.42425E-05	7.07109E-05	0.000167259
8.78151E-05	2.37629E-05	7.61572E-05	0.000168081	8.24138E-05	8.74863E-05	3.74409E-05	7.61572E-05	0.000177163
9.01898E-05	2.71501E-05	7.81859E-05	0.00021777	8.45531E-05	8.96173E-05	3.96536E-05	7.81859E-05	0.000222404
8.55349E-05	2.83498E-05	7.75003E-05	0.000222976	8.15008E-05	8.6159E-05	4.02014E-05	7.75003E-05	0.00022806
8.61133E-05	2.92031E-05	7.7775E-05	0.000225711	8.19298E-05	8.65797E-05	4.07038E-05	7.7775E-05	0.000230941
9.12582E-05	3.1067E-05	8.19799E-05	0.000225901	8.66402E-05	9.15747E-05	4.28903E-05	8.19799E-05	0.000231118
9.56961E-05	3.26116E-05	8.56038E-05	0.00022726	9.07038E-05	9.58887E-05	4.47349E-05	8.56038E-05	0.000232562
9.70755E-05	3.22271E-05	8.666E-05	0.000222456	9.19642E-05	9.72929E-05	4.47206E-05	8.666E-05	0.000228736
0.000100868	3.28254E-05	9.0037E-05	0.000219717	9.55734E-05	0.000101159	4.60513E-05	9.0037E-05	0.000225799
0.000105775	3.29551E-05	9.49747E-05	0.000214109	0.000100496	0.000106441	4.77833E-05	9.49747E-05	0.0002198
0.000112432	3.39235E-05	0.000101095	0.000208449	0.000106912	0.000113308	5.02071E-05	0.000101095	0.00021242
0.000122328	3.6169E-05	0.000109111	0.000196308	0.000115983	0.000123027	5.35295E-05	0.000109111	0.00019942
0.00013079	3.87581E-05	0.000117684	0.000187902	0.000124424	0.000131913	5.80273E-05	0.000117684	0.000190437
0.000133802	4.34782E-05	0.000119306	0.000181763	0.000126728	0.000134147	6.0954E-05	0.000119306	0.000183898
0.000136721	5.08408E-05	0.000117961	0.000165656	0.000127682	0.000134931	6.34136E-05	0.000117961	0.000169305
0.000130891	5.33735E-05	0.000111443	0.000150566	0.000121486	0.000128133	6.25534E-05	0.000111443	0.000155662
0.000120817	5.11898E-05	0.000100851	0.000136028	0.000111247	0.000117264	5.79066E-05	0.000100851	0.000141426
0.000109706	4.51525E-05	8.77949E-05	0.000125188	9.94879E-05	0.000105004	5.05824E-05	8.77949E-05	0.000131011
9.53646E-05	3.77141E-05	7.68404E-05	0.000120985	8.67396E-05	9.15998E-05	4.36486E-05	7.68404E-05	0.000126529
8.47289E-05	2.96843E-05	6.93056E-05	0.000118508	7.76024E-05	8.21401E-05	3.73717E-05	6.93056E-05	0.000123897
7.53752E-05	2.22371E-05	6.26708E-05	0.000117453	6.95748E-05	7.38573E-05	3.16061E-05	6.26708E-05	0.00012277
7.05151E-05	1.87994E-05	5.95033E-05	0.000121936	6.55054E-05	6.96138E-05	2.90808E-05	5.95033E-05	0.000127598
7.00326E-05	1.77782E-05	5.98293E-05	0.000130733	6.53843E-05	6.95027E-05	2.88708E-05	5.98293E-05	0.000137038
7.35378E-05	1.83392E-05	6.39205E-05	0.000143173	6.91173E-05	7.34384E-05	3.08066E-05	6.39205E-05	0.000150369
8.1128E-05	2.07441E-05	7.07109E-05	0.00015895	7.63173E-05	8.10629E-05	3.42425E-05	7.07109E-05	0.000167259
8.78151E-05	2.37629E-05	7.61572E-05	0.000168081	8.24138E-05	8.74863E-05	3.74409E-05	7.61572E-05	0.000177163
9.01898E-05	2.71501E-05	7.81859E-05	0.00021777	8.45531E-05	8.96173E-05	3.96536E-05	7.81859E-05	0.000222404
8.55349E-05	2.83498E-05	7.75003E-05	0.000222976	8.15008E-05	8.6159E-05	4.02014E-05	7.75003E-05	0.00022806
8.61133E-05	2.92031E-05	7.7775E-05	0.000225711	8.19298E-05	8.65797E-05	4.07038E-05	7.7775E-05	0.000230941
9.12582E-05	3.1067E-05	8.19799E-05	0.000225901	8.66402E-05	9.15747E-05	4.28903E-05	8.19799E-05	0.000231118
9.56961E-05	3.26116E-05	8.56038E-05	0.00022726	9.07038E-05	9.58887E-05	4.47349E-05	8.56038E-05	0.000232562
9.70755E-05	3.22271E-05	8.666E-05	0.000222456	9.19642E-05	9.72929E-05	4.47206E-05	8.666E-05	0.000228736
0.000100868	3.28254E-05	9.0037E-05	0.000219717	9.55734E-05	0.000101159	4.60513E-05	9.0037E-05	0.000225799
0.000105775	3.29551E-05	9.49747E-05	0.000214109	0.000100496	0.000106441	4.77833E-05	9.49747E-05	0.0002198
0.000112432	3.39235E-05	0.000101095	0.000208449	0.000106912	0.000113308	5.02071E-05	0.000101095	0.00021242
0.000122328	3.6169E-05	0.000109111	0.000196308	0.000115983	0.000123027	5.35295E-05	0.000109111	0.00019942
0.00013079	3.87581E-05	0.000117684	0.000187902	0.000124424	0.000131913	5.80273E-05	0.000117684	0.000190437
0.000133802	4.34782E-05	0.000119306	0.000181763	0.000126728	0.000134147	6.0954E-05	0.000119306	0.000183898
0.000136721	5.08408E-05	0.000117961	0.000165656	0.000127682	0.000134931	6.34136E-05	0.000117961	0.000169305

0.000130891	5.33735E-05	0.000111443	0.000150566	0.000121486	0.000128133	6.25534E-05	0.000111443	0.000155662
0.000120817	5.11898E-05	0.000100851	0.000136028	0.000111247	0.000117264	5.79066E-05	0.000100851	0.000141426
0.000109706	4.51525E-05	8.77949E-05	0.000125188	9.94879E-05	0.000105004	5.05824E-05	8.77949E-05	0.000131011
9.53646E-05	3.77141E-05	7.68404E-05	0.000120985	8.67396E-05	9.15998E-05	4.36486E-05	7.68404E-05	0.000126529
8.47289E-05	2.96843E-05	6.93056E-05	0.000118508	7.76024E-05	8.21401E-05	3.73717E-05	6.93056E-05	0.000123897
7.40361E-05	2.19922E-05	6.1486E-05	0.000118238	6.83046E-05	7.24986E-05	3.11209E-05	6.1486E-05	0.000123624
7.0717E-05	1.88422E-05	5.97087E-05	0.000121154	6.57077E-05	6.98281E-05	2.91769E-05	5.97087E-05	0.000126756
7.01702E-05	1.77992E-05	5.99322E-05	0.00012999	6.55073E-05	6.96358E-05	2.89044E-05	5.99322E-05	0.000136238
7.3509E-05	1.83264E-05	6.38613E-05	0.000142158	6.90764E-05	7.33973E-05	3.07671E-05	6.38613E-05	0.00014928
8.08373E-05	2.06743E-05	7.03788E-05	0.000157468	7.60113E-05	8.07416E-05	3.40727E-05	7.03788E-05	0.00016567
8.77626E-05	2.3733E-05	7.60193E-05	0.000166047	8.23272E-05	8.7401E-05	3.73431E-05	7.60193E-05	0.000174981
8.88599E-05	2.71429E-05	7.82524E-05	0.000215424	8.38004E-05	8.87778E-05	3.96711E-05	7.82524E-05	0.000219891
8.62545E-05	2.84901E-05	7.81759E-05	0.000220017	8.21991E-05	8.69029E-05	4.04955E-05	7.81759E-05	0.000224893
8.68899E-05	2.93504E-05	7.84856E-05	0.000222458	8.2676E-05	8.7376E-05	4.10054E-05	7.84856E-05	0.000227465
9.12722E-05	3.10674E-05	8.19822E-05	0.00022272	8.66494E-05	9.15854E-05	4.28867E-05	8.19822E-05	0.000227721
9.47103E-05	3.24214E-05	8.46872E-05	0.000223991	8.97508E-05	9.48728E-05	4.43394E-05	8.46872E-05	0.000229077
9.54938E-05	3.1912E-05	8.51439E-05	0.000219098	9.04168E-05	9.56469E-05	4.40471E-05	8.51439E-05	0.000225155
9.87636E-05	3.24146E-05	8.80579E-05	0.000216731	9.353E-05	9.89826E-05	4.51879E-05	8.80579E-05	0.000222617
0.000103128	3.24675E-05	9.2617E-05	0.000210774	9.79783E-05	0.00010375	4.68107E-05	9.2617E-05	0.000216244
0.000109204	3.33311E-05	9.82293E-05	0.000205314	0.000103846	0.000110029	4.90295E-05	9.82293E-05	0.000209079
0.000117959	3.53914E-05	0.000105342	0.000193105	0.000111878	0.000118628	5.2029E-05	0.000105342	0.000196006
0.000125903	3.77914E-05	0.000113032	0.000184548	0.000119656	0.000126838	5.59737E-05	0.000113032	0.000186859
0.000129598	4.26254E-05	0.000115209	0.000178303	0.000122588	0.000129748	5.91055E-05	0.000115209	0.000180199
0.00013311	5.01402E-05	0.000114585	0.000162173	0.000124183	0.000131203	6.19492E-05	0.000114585	0.000165584
0.000127926	5.28282E-05	0.000108806	0.000147223	0.000118668	0.00012512	6.14672E-05	0.000108806	0.000152091
0.00011993	5.07931E-05	9.883E-05	0.000133404	0.0001099	0.000115856	5.70916E-05	9.883E-05	0.000138624
0.000107943	4.484E-05	8.62796E-05	0.000123251	9.78333E-05	0.000103231	4.9982E-05	8.62796E-05	0.000128948
9.38699E-05	3.742E-05	7.54248E-05	0.000119242	8.52842E-05	9.00504E-05	4.30269E-05	7.54248E-05	0.000124672
8.36499E-05	2.94714E-05	6.82804E-05	0.000117259	7.65504E-05	8.10203E-05	3.692E-05	6.82804E-05	0.000122568
7.40361E-05	2.19922E-05	6.1486E-05	0.000118238	6.83046E-05	7.24986E-05	3.11209E-05	6.1486E-05	0.000123624
7.0717E-05	1.88422E-05	5.97087E-05	0.000121154	6.57077E-05	6.98281E-05	2.91769E-05	5.97087E-05	0.000126756
7.01702E-05	1.77992E-05	5.99322E-05	0.00012999	6.55073E-05	6.96358E-05	2.89044E-05	5.99322E-05	0.000136238
7.3509E-05	1.83264E-05	6.38613E-05	0.000142158	6.90764E-05	7.33973E-05	3.07671E-05	6.38613E-05	0.00014928
8.08373E-05	2.06743E-05	7.03788E-05	0.000157468	7.60113E-05	8.07416E-05	3.40727E-05	7.03788E-05	0.00016567
8.77626E-05	2.3733E-05	7.60193E-05	0.000166047	8.23272E-05	8.7401E-05	3.73431E-05	7.60193E-05	0.000174981
8.88599E-05	2.71429E-05	7.82524E-05	0.000215424	8.38004E-05	8.87778E-05	3.96711E-05	7.82524E-05	0.000219891
8.62545E-05	2.84901E-05	7.81759E-05	0.000220017	8.21991E-05	8.69029E-05	4.04955E-05	7.81759E-05	0.000224893
8.68899E-05	2.93504E-05	7.84856E-05	0.000222458	8.2676E-05	8.7376E-05	4.10054E-05	7.84856E-05	0.000227465
9.12722E-05	3.10674E-05	8.19822E-05	0.00022272	8.66494E-05	9.15854E-05	4.28867E-05	8.19822E-05	0.000227721
9.47103E-05	3.24214E-05	8.46872E-05	0.000223991	8.97508E-05	9.48728E-05	4.43394E-05	8.46872E-05	0.000229077
9.54938E-05	3.1912E-05	8.51439E-05	0.000219098	9.04168E-05	9.56469E-05	4.40471E-05	8.51439E-05	0.000225155
9.87636E-05	3.24146E-05	8.80579E-05	0.000216731	9.353E-05	9.89826E-05	4.51879E-05	8.80579E-05	0.000222617
0.000103128	3.24675E-05	9.2617E-05	0.000210774	9.79783E-05	0.00010375	4.68107E-05	9.2617E-05	0.000216244
0.000109204	3.33311E-05	9.82293E-05	0.000205314	0.000103846	0.000110029	4.90295E-05	9.82293E-05	0.000209079
0.000117959	3.53914E-05	0.000105342	0.000193105	0.000111878	0.000118628	5.2029E-05	0.000105342	0.000196006
0.000125903	3.77914E-05	0.000113032	0.000184548	0.000119656	0.000126838	5.59737E-05	0.000113032	0.000186859
0.000129598	4.26254E-05	0.000115209	0.000178303	0.000122588	0.000129748	5.91055E-05	0.000115209	0.000180199
0.00013311	5.01402E-05	0.000114585	0.000162173	0.000124183	0.000131203	6.19492E-05	0.000114585	0.000165584
0.000127926	5.28282E-05	0.000108806	0.000147223	0.000118668	0.00012512	6.14672E-05	0.000108806	0.000152091
0.00011993	5.07931E-05	9.883E-05	0.000133404	0.0001099	0.000115856	5.70916E-05	9.883E-05	0.000138624
0.000107943	4.484E-05	8.62796E-05	0.000123251	9.78333E-05	0.000103231	4.9982E-05	8.62796E-05	0.000128948
9.38699E-05	3.742E-05	7.54248E-05	0.000119242	8.52842E-05	9.00504E-05	4.30269E-05	7.54248E-05	0.000124672
8.36499E-05	2.94714E-05	6.82804E-05	0.000117259	7.65504E-05	8.10203E-05	3.692E-05	6.82804E-05	0.000122568
7.40361E-05	2.19922E-05	6.1486E-05	0.000118238	6.83046E-05	7.24986E-05	3.11209E-05	6.1486E-05	0.000123624
7.0717E-05	1.88422E-05	5.97087E-05	0.000121154	6.57077E-05	6.98281E-05	2.91769E-05	5.97087E-05	0.000126756
7.01702E-05	1.77992E-05	5.99322E-05	0.00012999	6.55073E-05	6.96358E-05	2.89044E-05	5.99322E-05	0.000136238
7.3509E-05	1.83264E-05	6.38613E-05	0.000142158	6.90764E-05	7.33973E-05	3.07671E-05	6.38613E-05	0.00014928
8.08373E-05	2.06743E-05	7.03788E-05	0.000157468	7.60113E-05	8.07416E-05	3.40727E-05	7.03788E-05	0.00016567
8.77626E-05	2.3733E-05	7.60193E-05	0.000166047	8.23272E-05	8.7401E-05	3.73431E-05	7.60193E-05	0.000174981
8.88599E-05	2.71429E-05	7.82524E-05	0.000215424	8.38004E-05	8.87778E-05	3.96711E-05	7.82524E-05	0.000219891
8.62545E-05	2.84901E-05	7.81759E-05	0.000220017	8.21991E-05	8.69029E-05	4.04955E-05	7.81759E-05	0.000224893
8.68899E-05	2.93504E-05	7.84856E-05	0.000222458	8.2676E-05	8.7376E-05	4.10054E-05	7.84856E-05	0.000227465
9.12722E-05	3.10674E-05	8.19822E-05	0.00022272	8.66494E-05	9.15854E-05	4.28867E-05	8.19822E-05	0.000227721
9.47103E-05	3.24214E-05	8.46872E-05	0.000223991	8.97508E-05	9.48728E-05	4.43394E-05	8.46872E-05	0.000229077
9.54938E-05	3.1912E-05	8.51439E-05	0.000219098	9.04168E-05	9.56469E-05	4.40471E-05	8.51439E-05	0.000225155
9.87636E-05	3.24146E-05	8.80579E-05	0.000216731	9.353E-05	9.89826E-05	4.51879E-05	8.80579E-05	0.000222617
0.000103128	3.24675E-05	9.2617E-05	0.000210774	9.79783E-05	0.00010375	4.68107E-05	9.2617E-05	0.000216244
0.000109204	3.33311E-05	9.82293E-05	0.000205314	0.000103846	0.000110029	4.90295E-05	9.82293E-05	0.000209079
0.000117959	3.53914E-05	0.000105342	0.000193105	0.000111878	0.000118628	5.2029E-05	0.000105342	0.000196006
0.000125903	3.77914E-05	0.000113032	0.000184548	0.000119656	0.000126838	5.59737E-05	0.000113032	0.000186859
0.000129598	4.26254E-05	0.000115209	0.000178303	0.000122588	0.000129748	5.91055E-05	0.000115209	0.000180199
0.00013311	5.01402E-05	0.000114585	0.000162173	0.000124183	0.000131203	6.19492E-05	0.000114585	0.000165584
0.000127926	5.28282E-05	0.000108806	0.000147223	0.000118668	0.00012512	6.14672E-05	0.000108806	0.000152091
0.00011993	5.07931E-05	9.883E-05	0.000133404	0.0001099	0.000115856	5.70916E-05	9.883E-05	0.000138624
0.000107943	4.484E-05	8.62796E-05	0.000123251	9.78333E-05	0.000103231	4.9982E-05	8.62796E-05	0.000128948
9.38699E-05	3.742E-05	7.54248E-05	0.000119242	8.52842E-05	9.00504E-05	4.30269E-05	7.54248E-05	0.000124672

8.36499E-05	2.94714E-05	6.82804E-05	0.000117259	7.65504E-05	8.10203E-05	3.692E-05	6.82804E-05	0.000122568
7.40361E-05	2.19922E-05	6.1486E-05	0.000118238	6.83046E-05	7.24986E-05	3.11209E-05	6.1486E-05	0.000123624
7.0717E-05	1.88422E-05	5.97087E-05	0.000121154	6.57077E-05	6.98281E-05	2.91769E-05	5.97087E-05	0.000126756
7.01702E-05	1.77992E-05	5.99322E-05	0.00012999	6.55073E-05	6.96358E-05	2.89044E-05	5.99322E-05	0.000136238
7.3509E-05	1.83264E-05	6.38613E-05	0.000142158	6.90764E-05	7.33973E-05	3.07671E-05	6.38613E-05	0.00014928
8.08373E-05	2.06743E-05	7.03788E-05	0.000157468	7.60113E-05	8.07416E-05	3.40727E-05	7.03788E-05	0.00016567
8.77626E-05	2.3733E-05	7.60193E-05	0.000166047	8.23272E-05	8.7401E-05	3.73431E-05	7.60193E-05	0.000174981
8.88599E-05	2.71429E-05	7.82524E-05	0.000215424	8.38004E-05	8.87778E-05	3.96711E-05	7.82524E-05	0.000219891
8.62545E-05	2.84901E-05	7.81759E-05	0.000220017	8.21991E-05	8.69029E-05	4.04955E-05	7.81759E-05	0.000224893
8.68899E-05	2.93504E-05	7.84856E-05	0.000222458	8.2676E-05	8.7376E-05	4.10054E-05	7.84856E-05	0.000227465
9.12722E-05	3.10674E-05	8.19822E-05	0.00022272	8.66494E-05	9.15854E-05	4.28867E-05	8.19822E-05	0.000227721
9.47103E-05	3.24214E-05	8.46872E-05	0.000223991	8.97508E-05	9.48728E-05	4.43394E-05	8.46872E-05	0.000229077
9.54938E-05	3.1912E-05	8.51439E-05	0.000219098	9.04168E-05	9.56469E-05	4.40471E-05	8.51439E-05	0.000225155
9.87636E-05	3.24146E-05	8.80579E-05	0.000216731	9.353E-05	9.89826E-05	4.51879E-05	8.80579E-05	0.000222617
0.000103128	3.24675E-05	9.2617E-05	0.000210774	9.79783E-05	0.00010375	4.68107E-05	9.2617E-05	0.000216244
0.000109204	3.33311E-05	9.82293E-05	0.000205314	0.000103846	0.000110029	4.90295E-05	9.82293E-05	0.000209079
0.000117959	3.53914E-05	0.000105342	0.000193105	0.000111878	0.000118628	5.2029E-05	0.000105342	0.000196006
0.000125903	3.77914E-05	0.000113032	0.000184548	0.000119656	0.000126838	5.59737E-05	0.000113032	0.000186859
0.000129598	4.26254E-05	0.000115209	0.000178303	0.000122588	0.000129748	5.91055E-05	0.000115209	0.000180199
0.00013311	5.01402E-05	0.000114585	0.000162173	0.000124183	0.000131203	6.19492E-05	0.000114585	0.000165584
0.000127926	5.28282E-05	0.000108806	0.000147223	0.000118668	0.00012512	6.14672E-05	0.000108806	0.000152091
0.00011993	5.07931E-05	9.883E-05	0.000133404	0.0001099	0.000115856	5.70916E-05	9.883E-05	0.000138624
0.000107943	4.484E-05	8.62796E-05	0.000123251	9.78333E-05	0.000103231	4.9982E-05	8.62796E-05	0.000128948
9.38699E-05	3.742E-05	7.54248E-05	0.000119242	8.52842E-05	9.00504E-05	4.30269E-05	7.54248E-05	0.000124672
8.36499E-05	2.94714E-05	6.82804E-05	0.000117259	7.65504E-05	8.10203E-05	3.692E-05	6.82804E-05	0.000122568
7.40361E-05	2.19922E-05	6.1486E-05	0.000118238	6.83046E-05	7.24986E-05	3.11209E-05	6.1486E-05	0.000123624
7.0717E-05	1.88422E-05	5.97087E-05	0.000121154	6.57077E-05	6.98281E-05	2.91769E-05	5.97087E-05	0.000126756
7.01702E-05	1.77992E-05	5.99322E-05	0.00012999	6.55073E-05	6.96358E-05	2.89044E-05	5.99322E-05	0.000136238
7.3509E-05	1.83264E-05	6.38613E-05	0.000142158	6.90764E-05	7.33973E-05	3.07671E-05	6.38613E-05	0.00014928
8.08373E-05	2.06743E-05	7.03788E-05	0.000157468	7.60113E-05	8.07416E-05	3.40727E-05	7.03788E-05	0.00016567
8.77626E-05	2.3733E-05	7.60193E-05	0.000166047	8.23272E-05	8.7401E-05	3.73431E-05	7.60193E-05	0.000174981
8.88599E-05	2.71429E-05	7.82524E-05	0.000215424	8.38004E-05	8.87778E-05	3.96711E-05	7.82524E-05	0.000219891
8.62545E-05	2.84901E-05	7.81759E-05	0.000220017	8.21991E-05	8.69029E-05	4.04955E-05	7.81759E-05	0.000224893
8.68899E-05	2.93504E-05	7.84856E-05	0.000222458	8.2676E-05	8.7376E-05	4.10054E-05	7.84856E-05	0.000227465
9.12722E-05	3.10674E-05	8.19822E-05	0.00022272	8.66494E-05	9.15854E-05	4.28867E-05	8.19822E-05	0.000227721
9.47103E-05	3.24214E-05	8.46872E-05	0.000223991	8.97508E-05	9.48728E-05	4.43394E-05	8.46872E-05	0.000229077
9.54938E-05	3.1912E-05	8.51439E-05	0.000219098	9.04168E-05	9.56469E-05	4.40471E-05	8.51439E-05	0.000225155
9.87636E-05	3.24146E-05	8.80579E-05	0.000216731	9.353E-05	9.89826E-05	4.51879E-05	8.80579E-05	0.000222617
0.000103128	3.24675E-05	9.2617E-05	0.000210774	9.79783E-05	0.00010375	4.68107E-05	9.2617E-05	0.000216244
0.000109204	3.33311E-05	9.82293E-05	0.000205314	0.000103846	0.000110029	4.90295E-05	9.82293E-05	0.000209079
0.000117959	3.53914E-05	0.000105342	0.000193105	0.000111878	0.000118628	5.2029E-05	0.000105342	0.000196006
0.000125903	3.77914E-05	0.000113032	0.000184548	0.000119656	0.000126838	5.59737E-05	0.000113032	0.000186859
0.000129598	4.26254E-05	0.000115209	0.000178303	0.000122588	0.000129748	5.91055E-05	0.000115209	0.000180199
0.00013311	5.01402E-05	0.000114585	0.000162173	0.000124183	0.000131203	6.19492E-05	0.000114585	0.000165584
0.000127926	5.28282E-05	0.000108806	0.000147223	0.000118668	0.00012512	6.14672E-05	0.000108806	0.000152091
0.00011993	5.07931E-05	9.883E-05	0.000133404	0.0001099	0.000115856	5.70916E-05	9.883E-05	0.000138624
0.000107943	4.484E-05	8.62796E-05	0.000123251	9.78333E-05	0.000103231	4.9982E-05	8.62796E-05	0.000128948
9.38699E-05	3.742E-05	7.54248E-05	0.000119242	8.52842E-05	9.00504E-05	4.30269E-05	7.54248E-05	0.000124672
8.36499E-05	2.94714E-05	6.82804E-05	0.000117259	7.65504E-05	8.10203E-05	3.692E-05	6.82804E-05	0.000122568
7.05044E-05	2.17506E-05	6.01811E-05	4.50086E-05	6.56876E-05	6.95543E-05	3.14057E-05	6.01811E-05	4.39447E-05
6.87273E-05	1.88636E-05	5.96825E-05	4.5831E-05	6.45189E-05	6.84184E-05	2.99469E-05	5.96825E-05	4.47849E-05
6.98605E-05	1.82012E-05	6.17224E-05	4.78463E-05	6.60451E-05	7.00467E-05	3.05671E-05	6.17224E-05	4.6835E-05
7.42053E-05	1.8909E-05	6.65267E-05	5.09161E-05	7.05625E-05	7.48239E-05	3.27814E-05	6.65267E-05	4.99468E-05
8.19543E-05	2.14051E-05	7.37371E-05	5.4836E-05	7.80258E-05	8.27078E-05	3.65151E-05	7.37371E-05	5.39069E-05
8.93209E-05	2.46017E-05	8.00254E-05	5.56148E-05	8.48638E-05	8.99053E-05	4.01668E-05	8.00254E-05	5.46677E-05
9.2298E-05	2.82391E-05	8.32172E-05	9.71196E-05	8.78285E-05	9.28689E-05	4.31402E-05	8.32172E-05	9.10261E-05
8.52957E-05	2.89834E-05	8.03372E-05	9.59558E-05	8.25021E-05	8.69874E-05	4.27363E-05	8.03372E-05	8.98166E-05
8.11031E-05	2.88552E-05	7.59E-05	9.62747E-05	7.82077E-05	8.23945E-05	4.10878E-05	7.59E-05	9.01168E-05
7.95698E-05	2.941E-05	7.38008E-05	9.65194E-05	7.64238E-05	8.04741E-05	4.05142E-05	7.38008E-05	9.03458E-05
7.82773E-05	2.97835E-05	7.18009E-05	9.72195E-05	7.48286E-05	7.87788E-05	3.98058E-05	7.18009E-05	9.10406E-05
7.74633E-05	2.90372E-05	7.1093E-05	9.13141E-05	7.40795E-05	7.80193E-05	3.91487E-05	7.1093E-05	8.59938E-05
7.88158E-05	2.9149E-05	7.21301E-05	9.09857E-05	7.53012E-05	7.93461E-05	3.94393E-05	7.21301E-05	8.56586E-05
8.02034E-05	2.85738E-05	7.36786E-05	8.92281E-05	7.67738E-05	8.096E-05	3.96591E-05	7.36786E-05	8.38816E-05
8.39673E-05	2.90557E-05	7.74299E-05	9.2893E-05	8.05229E-05	8.49583E-05	4.11989E-05	7.74299E-05	8.66508E-05
9.06173E-05	3.08843E-05	8.33697E-05	8.96809E-05	8.68355E-05	9.16637E-05	4.40293E-05	8.33697E-05	8.34025E-05
9.86491E-05	3.29842E-05	8.97152E-05	8.71744E-05	9.41237E-05	9.94635E-05	4.67814E-05	8.97152E-05	8.08785E-05
0.000106414	3.8403E-05	9.47759E-05	8.57134E-05	0.000100628	0.000106251	5.07701E-05	9.47759E-05	7.94125E-05
0.000112739	4.6671E-05	9.7715E-05	7.19026E-05	0.000105325	0.000110938	5.55576E-05	9.7715E-05	6.73297E-05
0.00011126	4.99546E-05	9.48462E-05	6.01103E-05	0.000103175	0.000108485	5.61012E-05	9.48462E-05	5.73081E-05
0.000104999	4.85645E-05	8.80604E-05	5.18705E-05	9.67277E-05	0.000101636	5.32089E-05	8.80604E-05	4.99201E-05
9.9281E-05	4.36358E-05	8.03259E-05	4.62069E-05	9.03057E-05	9.50422E-05	4.83127E-05	8.03259E-05	4.51473E-05
8.87117E-05	3.68487E-05	7.25358E-05	4.51077E-05	8.10658E-05	8.54048E-05	4.25972E-05	7.25358E-05	4.40439E-05
8.08911E-05	2.94067E-05	6.78197E-05	4.45323E-05	7.47312E-05	7.89167E-05	3.76228E-05	6.78197E-05	4.34707E-05
7.05044E-05	2.17506E-05	6.01811E-05	4.50086E-05	6.56876E-05	6.95543E-05	3.14057E-05	6.01811E-05	4.39447E-05
6.87273E-05	1.88636E-05	5.96825E-05	4.5831E-05	6.45189E-05	6.84184E-05	2.99469E-05	5.96825E-05	4.47849E-05
6.98605E-05	1.82012E-05	6.17224E-05	4.78463E-05	6.60451E-05	7.00467E-05	3.05671E-05	6.17224E-05	4.6835E-05

7.42053E-05	1.8909E-05	6.65267E-05	5.09161E-05	7.05625E-05	7.48239E-05	3.27814E-05	6.65267E-05	4.99468E-05
8.19543E-05	2.14051E-05	7.37371E-05	5.4836E-05	7.80258E-05	8.27078E-05	3.65151E-05	7.37371E-05	5.39069E-05
8.93209E-05	2.46017E-05	8.00254E-05	5.56148E-05	8.48638E-05	8.99053E-05	4.01668E-05	8.00254E-05	5.46677E-05
9.2298E-05	2.82391E-05	8.32172E-05	9.71196E-05	8.78285E-05	9.28689E-05	4.31402E-05	8.32172E-05	9.10261E-05
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8.02034E-05	2.85738E-05	7.36786E-05	8.92281E-05	7.67738E-05	8.096E-05	3.96591E-05	7.36786E-05	8.38816E-05
8.39673E-05	2.90557E-05	7.74299E-05	9.2893E-05	8.05229E-05	8.49583E-05	4.11989E-05	7.74299E-05	8.66508E-05
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9.86491E-05	3.29842E-05	8.97152E-05	8.71744E-05	9.41237E-05	9.94635E-05	4.67814E-05	8.97152E-05	8.08785E-05
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0.000112739	4.6671E-05	9.7715E-05	7.19026E-05	0.000105325	0.000110938	5.55576E-05	9.7715E-05	6.73297E-05
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9.9281E-05	4.36358E-05	8.03259E-05	4.62069E-05	9.03057E-05	9.50422E-05	4.83127E-05	8.03259E-05	4.51473E-05
8.87117E-05	3.68487E-05	7.25358E-05	4.51077E-05	8.10658E-05	8.54048E-05	4.25972E-05	7.25358E-05	4.40439E-05
8.08911E-05	2.94067E-05	6.78197E-05	4.45323E-05	7.47312E-05	7.89167E-05	3.76228E-05	6.78197E-05	4.34707E-05
7.06284E-05	2.17683E-05	6.02683E-05	4.47453E-05	6.57962E-05	6.96722E-05	3.14313E-05	6.02683E-05	4.36847E-05
6.87175E-05	1.88575E-05	5.96541E-05	4.55217E-05	6.45018E-05	6.84015E-05	2.99264E-05	5.96541E-05	4.44788E-05
6.9915E-05	1.82168E-05	6.1796E-05	4.75328E-05	6.61071E-05	7.0111E-05	3.06086E-05	6.1796E-05	4.65243E-05
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8.2027E-05	2.14372E-05	7.38862E-05	5.4465E-05	7.81289E-05	8.28113E-05	3.66144E-05	7.38862E-05	5.35365E-05
8.93724E-05	2.46215E-05	8.01177E-05	5.52358E-05	8.49315E-05	8.99739E-05	4.02257E-05	8.01177E-05	5.42885E-05
9.05082E-05	2.81477E-05	8.28765E-05	9.68388E-05	8.66395E-05	9.15626E-05	4.29908E-05	8.28765E-05	9.07437E-05
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7.8269E-05	2.9107E-05	7.23571E-05	9.65202E-05	7.50719E-05	7.90513E-05	3.97909E-05	7.23571E-05	9.03425E-05
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7.94819E-05	2.84258E-05	7.29679E-05	8.93356E-05	7.60602E-05	8.02025E-05	3.93354E-05	7.29679E-05	8.3983E-05
8.3043E-05	2.88623E-05	7.65026E-05	9.30479E-05	7.9602E-05	8.3982E-05	4.07698E-05	7.65026E-05	8.68011E-05
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9.7913E-05	3.283E-05	8.89759E-05	8.73255E-05	9.339E-05	9.86856E-05	4.6439E-05	8.89759E-05	8.10264E-05
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0.000110684	4.9828E-05	9.42407E-05	6.02136E-05	0.00010259	0.000107867	5.581E-05	9.42407E-05	5.74092E-05
0.000106047	4.84899E-05	8.76085E-05	5.20202E-05	9.7158E-05	0.000102142	5.29722E-05	8.76085E-05	5.00673E-05
9.86722E-05	4.3495E-05	7.9655E-05	4.6351E-05	8.9675E-05	9.4378E-05	4.79783E-05	7.9655E-05	4.52886E-05
8.80493E-05	3.67029E-05	7.18386E-05	4.52549E-05	8.03927E-05	8.46935E-05	4.22616E-05	7.18386E-05	4.41882E-05
8.03797E-05	2.92923E-05	6.72732E-05	4.47549E-05	7.42082E-05	7.83647E-05	3.73565E-05	6.72732E-05	4.36894E-05
7.06284E-05	2.17683E-05	6.02683E-05	4.47453E-05	6.57962E-05	6.96722E-05	3.14313E-05	6.02683E-05	4.36847E-05
6.87175E-05	1.88575E-05	5.96541E-05	4.55217E-05	6.45018E-05	6.84015E-05	2.99264E-05	5.96541E-05	4.44788E-05
6.9915E-05	1.82168E-05	6.1796E-05	4.75328E-05	6.61071E-05	7.0111E-05	3.06086E-05	6.1796E-05	4.65243E-05
7.42289E-05	1.89204E-05	6.65792E-05	5.05397E-05	7.05977E-05	7.4859E-05	3.28171E-05	6.65792E-05	4.95717E-05
8.2027E-05	2.14372E-05	7.38862E-05	5.4465E-05	7.81289E-05	8.28113E-05	3.66144E-05	7.38862E-05	5.35365E-05
8.93724E-05	2.46215E-05	8.01177E-05	5.52358E-05	8.49315E-05	8.99739E-05	4.02257E-05	8.01177E-05	5.42885E-05
9.05082E-05	2.81477E-05	8.28765E-05	9.68388E-05	8.66395E-05	9.15626E-05	4.29908E-05	8.28765E-05	9.07437E-05
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7.98704E-05	2.85676E-05	7.45299E-05	9.62038E-05	7.69258E-05	8.10455E-05	4.04006E-05	7.45299E-05	9.00438E-05
7.8269E-05	2.9107E-05	7.23571E-05	9.65202E-05	7.50719E-05	7.90513E-05	3.97909E-05	7.23571E-05	9.03425E-05
7.7097E-05	2.95084E-05	7.04901E-05	9.72942E-05	7.36016E-05	7.74876E-05	3.91487E-05	7.04901E-05	9.111E-05
7.64582E-05	2.88239E-05	7.00713E-05	9.13703E-05	7.30727E-05	7.6953E-05	3.86705E-05	7.00713E-05	8.60442E-05
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7.94819E-05	2.84258E-05	7.29679E-05	8.93356E-05	7.60602E-05	8.02025E-05	3.93354E-05	7.29679E-05	8.3983E-05
8.3043E-05	2.88623E-05	7.65026E-05	9.30479E-05	7.9602E-05	8.3982E-05	4.07698E-05	7.65026E-05	8.68011E-05
8.96683E-05	3.06828E-05	8.2404E-05	8.98476E-05	8.58846E-05	9.06565E-05	4.3577E-05	8.2404E-05	8.35657E-05
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0.000112359	4.65835E-05	9.7298E-05	7.19899E-05	0.000104931	0.000110524	5.53505E-05	9.7298E-05	6.74145E-05
0.000110684	4.9828E-05	9.42407E-05	6.02136E-05	0.00010259	0.000107867	5.581E-05	9.42407E-05	5.74092E-05
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9.86722E-05	4.3495E-05	7.9655E-05	4.6351E-05	8.9675E-05	9.4378E-05	4.79783E-05	7.9655E-05	4.52886E-05
8.80493E-05	3.67029E-05	7.18386E-05	4.52549E-05	8.03927E-05	8.46935E-05	4.22616E-05	7.18386E-05	4.41882E-05
8.03797E-05	2.92923E-05	6.72732E-05	4.47549E-05	7.42082E-05	7.83647E-05	3.73565E-05	6.72732E-05	4.36894E-05
7.06284E-05	2.17683E-05	6.02683E-05	4.47453E-05	6.57962E-05	6.96722E-05	3.14313E-05	6.02683E-05	4.36847E-05
6.87175E-05	1.88575E-05	5.96541E-05	4.55217E-05	6.45018E-05	6.84015E-05	2.99264E-05	5.96541E-05	4.44788E-05
6.9915E-05	1.82168E-05	6.1796E-05	4.75328E-05	6.61071E-05	7.0111E-05	3.06086E-05	6.1796E-05	4.65243E-05
7.42289E-05	1.89204E-05	6.65792E-05	5.05397E-05	7.05977E-05	7.4859E-05	3.28171E-05	6.65792E-05	4.95717E-05
8.2027E-05	2.14372E-05	7.38862E-05	5.4465E-05	7.81289E-05	8.28113E-05	3.66144E-05	7.38862E-05	5.35365E-05
8.93724E-05	2.46215E-05	8.01177E-05	5.52358E-05	8.49315E-05	8.99739E-05	4.02257E-05	8.01177E-05	5.42885E-05
9.05082E-05	2.81477E-05	8.28765E-05	9.68388E-05	8.66395E-05	9.15626E-05	4.29908E-05	8.28765E-05	9.07437E-05

8.46979E-05	2.88474E-05	7.96882E-05	9.57333E-05	8.18867E-05	8.63386E-05	4.24164E-05	7.96882E-05	8.95921E-05
7.98704E-05	2.85676E-05	7.45299E-05	9.62038E-05	7.69258E-05	8.10455E-05	4.04006E-05	7.45299E-05	9.00438E-05
7.8269E-05	2.9107E-05	7.23571E-05	9.65202E-05	7.50719E-05	7.90513E-05	3.97909E-05	7.23571E-05	9.03425E-05
7.7097E-05	2.95084E-05	7.04901E-05	9.72942E-05	7.36016E-05	7.74876E-05	3.91487E-05	7.04901E-05	9.111E-05
7.64582E-05	2.88239E-05	7.00713E-05	9.13703E-05	7.30727E-05	7.6953E-05	3.86705E-05	7.00713E-05	8.60442E-05
7.79904E-05	2.89826E-05	7.13303E-05	9.10418E-05	7.44902E-05	7.84841E-05	3.90804E-05	7.13303E-05	8.57079E-05
7.94819E-05	2.84258E-05	7.29679E-05	8.93356E-05	7.60602E-05	8.02025E-05	3.93354E-05	7.29679E-05	8.3983E-05
8.3043E-05	2.88623E-05	7.65026E-05	9.30479E-05	7.9602E-05	8.3982E-05	4.07698E-05	7.65026E-05	8.68011E-05
8.96683E-05	3.06828E-05	8.2404E-05	8.98476E-05	8.58846E-05	9.06565E-05	4.3577E-05	8.2404E-05	8.35657E-05
9.7913E-05	3.283E-05	8.89759E-05	8.73255E-05	9.339E-05	9.86856E-05	4.6439E-05	8.89759E-05	8.10264E-05
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0.000112359	4.65835E-05	9.7298E-05	7.19899E-05	0.000104931	0.000110524	5.53505E-05	9.7298E-05	6.74145E-05
0.000110684	4.9828E-05	9.42407E-05	6.02136E-05	0.00010259	0.000107867	5.581E-05	9.42407E-05	5.74092E-05
0.000106047	4.84899E-05	8.76085E-05	5.20202E-05	9.7158E-05	0.000102142	5.29722E-05	8.76085E-05	5.00673E-05
9.86722E-05	4.3495E-05	7.9655E-05	4.6351E-05	8.9675E-05	9.4378E-05	4.79783E-05	7.9655E-05	4.52886E-05
8.80493E-05	3.67029E-05	7.18386E-05	4.52549E-05	8.03927E-05	8.46935E-05	4.22616E-05	7.18386E-05	4.41882E-05
8.03797E-05	2.92923E-05	6.72732E-05	4.47549E-05	7.42082E-05	7.83647E-05	3.73565E-05	6.72732E-05	4.36894E-05
7.06284E-05	2.17683E-05	6.02683E-05	4.47453E-05	6.57962E-05	6.96722E-05	3.14313E-05	6.02683E-05	4.36847E-05
6.87175E-05	1.88575E-05	5.96541E-05	4.55217E-05	6.45018E-05	6.84015E-05	2.99264E-05	5.96541E-05	4.44788E-05
6.9915E-05	1.82168E-05	6.1796E-05	4.75328E-05	6.61071E-05	7.0111E-05	3.06086E-05	6.1796E-05	4.65243E-05
7.42289E-05	1.89204E-05	6.65792E-05	5.05397E-05	7.05977E-05	7.4859E-05	3.28171E-05	6.65792E-05	4.95717E-05
8.2027E-05	2.14372E-05	7.38862E-05	5.4465E-05	7.81289E-05	8.28113E-05	3.66144E-05	7.38862E-05	5.35365E-05
8.93724E-05	2.46215E-05	8.01177E-05	5.52358E-05	8.49315E-05	8.99739E-05	4.02257E-05	8.01177E-05	5.42885E-05
9.05082E-05	2.81477E-05	8.28765E-05	9.68388E-05	8.66395E-05	9.15626E-05	4.29908E-05	8.28765E-05	9.07437E-05
8.46979E-05	2.88474E-05	7.96882E-05	9.57333E-05	8.18867E-05	8.63386E-05	4.24164E-05	7.96882E-05	8.95921E-05
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7.8269E-05	2.9107E-05	7.23571E-05	9.65202E-05	7.50719E-05	7.90513E-05	3.97909E-05	7.23571E-05	9.03425E-05
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7.64582E-05	2.88239E-05	7.00713E-05	9.13703E-05	7.30727E-05	7.6953E-05	3.86705E-05	7.00713E-05	8.60442E-05
7.79904E-05	2.89826E-05	7.13303E-05	9.10418E-05	7.44902E-05	7.84841E-05	3.90804E-05	7.13303E-05	8.57079E-05
7.94819E-05	2.84258E-05	7.29679E-05	8.93356E-05	7.60602E-05	8.02025E-05	3.93354E-05	7.29679E-05	8.3983E-05
8.3043E-05	2.88623E-05	7.65026E-05	9.30479E-05	7.9602E-05	8.3982E-05	4.07698E-05	7.65026E-05	8.68011E-05
8.96683E-05	3.06828E-05	8.2404E-05	8.98476E-05	8.58846E-05	9.06565E-05	4.3577E-05	8.2404E-05	8.35657E-05
9.7913E-05	3.283E-05	8.89759E-05	8.73255E-05	9.339E-05	9.86856E-05	4.6439E-05	8.89759E-05	8.10264E-05
0.00010579	3.82686E-05	9.41323E-05	8.58486E-05	9.99985E-05	0.000105585	5.04656E-05	9.41323E-05	7.95451E-05
0.000112359	4.65835E-05	9.7298E-05	7.19899E-05	0.000104931	0.000110524	5.53505E-05	9.7298E-05	6.74145E-05
0.000110684	4.9828E-05	9.42407E-05	6.02136E-05	0.00010259	0.000107867	5.581E-05	9.42407E-05	5.74092E-05
0.000106047	4.84899E-05	8.76085E-05	5.20202E-05	9.7158E-05	0.000102142	5.29722E-05	8.76085E-05	5.00673E-05
9.86722E-05	4.3495E-05	7.9655E-05	4.6351E-05	8.9675E-05	9.4378E-05	4.79783E-05	7.9655E-05	4.52886E-05
8.80493E-05	3.67029E-05	7.18386E-05	4.52549E-05	8.03927E-05	8.46935E-05	4.22616E-05	7.18386E-05	4.41882E-05
8.03797E-05	2.92923E-05	6.72732E-05	4.47549E-05	7.42082E-05	7.83647E-05	3.73565E-05	6.72732E-05	4.36894E-05
7.06284E-05	2.17683E-05	6.02683E-05	4.47453E-05	6.57962E-05	6.96722E-05	3.14313E-05	6.02683E-05	4.36847E-05
6.87175E-05	1.88575E-05	5.96541E-05	4.55217E-05	6.45018E-05	6.84015E-05	2.99264E-05	5.96541E-05	4.44788E-05
6.9915E-05	1.82168E-05	6.1796E-05	4.75328E-05	6.61071E-05	7.0111E-05	3.06086E-05	6.1796E-05	4.65243E-05
7.42289E-05	1.89204E-05	6.65792E-05	5.05397E-05	7.05977E-05	7.4859E-05	3.28171E-05	6.65792E-05	4.95717E-05
8.2027E-05	2.14372E-05	7.38862E-05	5.4465E-05	7.81289E-05	8.28113E-05	3.66144E-05	7.38862E-05	5.35365E-05
8.93724E-05	2.46215E-05	8.01177E-05	5.52358E-05	8.49315E-05	8.99739E-05	4.02257E-05	8.01177E-05	5.42885E-05
9.05082E-05	2.81477E-05	8.28765E-05	9.68388E-05	8.66395E-05	9.15626E-05	4.29908E-05	8.28765E-05	9.07437E-05
8.46979E-05	2.88474E-05	7.96882E-05	9.57333E-05	8.18867E-05	8.63386E-05	4.24164E-05	7.96882E-05	8.95921E-05
7.98704E-05	2.85676E-05	7.45299E-05	9.62038E-05	7.69258E-05	8.10455E-05	4.04006E-05	7.45299E-05	9.00438E-05
7.8269E-05	2.9107E-05	7.23571E-05	9.65202E-05	7.50719E-05	7.90513E-05	3.97909E-05	7.23571E-05	9.03425E-05
7.7097E-05	2.95084E-05	7.04901E-05	9.72942E-05	7.36016E-05	7.74876E-05	3.91487E-05	7.04901E-05	9.111E-05
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7.79904E-05	2.89826E-05	7.13303E-05	9.10418E-05	7.44902E-05	7.84841E-05	3.90804E-05	7.13303E-05	8.57079E-05
7.94819E-05	2.84258E-05	7.29679E-05	8.93356E-05	7.60602E-05	8.02025E-05	3.93354E-05	7.29679E-05	8.3983E-05
8.3043E-05	2.88623E-05	7.65026E-05	9.30479E-05	7.9602E-05	8.3982E-05	4.07698E-05	7.65026E-05	8.68011E-05
8.96683E-05	3.06828E-05	8.2404E-05	8.98476E-05	8.58846E-05	9.06565E-05	4.3577E-05	8.2404E-05	8.35657E-05
9.7913E-05	3.283E-05	8.89759E-05	8.73255E-05	9.339E-05	9.86856E-05	4.6439E-05	8.89759E-05	8.10264E-05
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0.000112359	4.65835E-05	9.7298E-05	7.19899E-05	0.000104931	0.000110524	5.53505E-05	9.7298E-05	6.74145E-05
0.000110684	4.9828E-05	9.42407E-05	6.02136E-05	0.00010259	0.000107867	5.581E-05	9.42407E-05	5.74092E-05
0.000106047	4.84899E-05	8.76085E-05	5.20202E-05	9.7158E-05	0.000102142	5.29722E-05	8.76085E-05	5.00673E-05
9.86722E-05	4.3495E-05	7.9655E-05	4.6351E-05	8.9675E-05	9.4378E-05	4.79783E-05	7.9655E-05	4.52886E-05
8.80493E-05	3.67029E-05	7.18386E-05	4.52549E-05	8.03927E-05	8.46935E-05	4.22616E-05	7.18386E-05	4.41882E-05
8.03797E-05	2.92923E-05	6.72732E-05	4.47549E-05	7.42082E-05	7.83647E-05	3.73565E-05	6.72732E-05	4.36894E-05
7.05044E-05	2.17506E-05	6.01811E-05	4.50086E-05	6.56876E-05	6.95543E-05	3.14057E-05	6.01811E-05	4.39447E-05
6.87273E-05	1.88636E-05	5.96825E-05	4.5831E-05	6.45189E-05	6.84184E-05	2.99469E-05	5.96825E-05	4.47849E-05
6.98605E-05	1.82012E-05	6.17224E-05	4.78463E-05	6.60451E-05	7.00467E-05	3.05671E-05	6.17224E-05	4.6835E-05
7.42053E-05	1.8909E-05	6.65267E-05	5.09161E-05	7.05625E-05	7.48239E-05	3.27814E-05	6.65267E-05	4.99468E-05
8.19543E-05	2.14051E-05	7.37371E-05	5.4836E-05	7.80258E-05	8.27078E-05	3.65151E-05	7.37371E-05	5.39069E-05
8.93209E-05	2.46017E-05	8.00254E-05	5.56148E-05	8.48638E-05	8.99053E-05	4.01668E-05	8.00254E-05	5.46677E-05
9.2298E-05	2.82391E-05	8.32172E-05	9.71196E-05	8.78285E-05	9.28689E-05	4.31402E-05	8.32172E-05	9.10261E-05
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7.95698E-05	2.941E-05	7.38008E-05	9.65194E-05	7.64238E-05	8.04741E-05	4.05142E-05	7.38008E-05	9.03458E-05
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7.88158E-05	2.9149E-05	7.21301E-05	9.09857E-05	7.53012E-05	7.93461E-05	3.94393E-05	7.21301E-05	8.56586E-05
8.02034E-05	2.85738E-05	7.36786E-05	8.92281E-05	7.67738E-05	8.096E-05	3.96591E-05	7.36786E-05	8.38816E-05
8.39673E-05	2.90557E-05	7.74299E-05	9.2893E-05	8.05229E-05	8.49583E-05	4.11989E-05	7.74299E-05	8.66508E-05
9.06173E-05	3.08843E-05	8.33697E-05	8.96809E-05	8.68355E-05	9.16637E-05	4.40293E-05	8.33697E-05	8.34025E-05
9.86491E-05	3.29842E-05	8.97152E-05	8.71744E-05	9.41237E-05	9.94635E-05	4.67814E-05	8.97152E-05	8.08785E-05
0.000106414	3.8403E-05	9.47759E-05	8.57134E-05	0.000100628	0.000106251	5.07701E-05	9.47759E-05	7.94125E-05
0.000112739	4.6671E-05	9.7715E-05	7.19026E-05	0.000105325	0.000110938	5.55576E-05	9.7715E-05	6.73297E-05
0.00011126	4.99546E-05	9.48462E-05	6.01103E-05	0.000103175	0.000108485	5.61012E-05	9.48462E-05	5.73081E-05
0.000104999	4.85645E-05	8.80604E-05	5.18705E-05	9.67277E-05	0.000101636	5.32089E-05	8.80604E-05	4.99201E-05
9.9281E-05	4.36358E-05	8.03259E-05	4.62069E-05	9.03057E-05	9.50422E-05	4.83127E-05	8.03259E-05	4.51473E-05
8.87117E-05	3.68487E-05	7.25358E-05	4.51077E-05	8.10658E-05	8.54048E-05	4.25972E-05	7.25358E-05	4.40439E-05
8.08911E-05	2.94067E-05	6.78197E-05	4.45323E-05	7.47312E-05	7.89167E-05	3.76228E-05	6.78197E-05	4.34707E-05
7.05044E-05	2.17506E-05	6.01811E-05	4.50086E-05	6.56876E-05	6.95543E-05	3.14057E-05	6.01811E-05	4.39447E-05
6.87273E-05	1.88636E-05	5.96825E-05	4.5831E-05	6.45189E-05	6.84184E-05	2.99469E-05	5.96825E-05	4.47849E-05
6.98605E-05	1.82012E-05	6.17224E-05	4.78463E-05	6.60451E-05	7.00467E-05	3.05671E-05	6.17224E-05	4.6835E-05
7.42053E-05	1.8909E-05	6.65267E-05	5.09161E-05	7.05625E-05	7.48239E-05	3.27814E-05	6.65267E-05	4.99468E-05
8.19543E-05	2.14051E-05	7.37371E-05	5.4836E-05	7.80258E-05	8.27078E-05	3.65151E-05	7.37371E-05	5.39069E-05
8.93209E-05	2.46017E-05	8.00254E-05	5.56148E-05	8.48638E-05	8.99053E-05	4.01668E-05	8.00254E-05	5.46677E-05
9.2298E-05	2.82391E-05	8.32172E-05	9.71196E-05	8.78285E-05	9.28689E-05	4.31402E-05	8.32172E-05	9.10261E-05
8.52957E-05	2.89834E-05	8.03372E-05	9.59558E-05	8.25021E-05	8.69874E-05	4.27363E-05	8.03372E-05	8.98166E-05
8.11031E-05	2.88552E-05	7.59E-05	9.62747E-05	7.82077E-05	8.23945E-05	4.10878E-05	7.59E-05	9.01168E-05
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7.82773E-05	2.97835E-05	7.18009E-05	9.72195E-05	7.48286E-05	7.87788E-05	3.98058E-05	7.18009E-05	9.10406E-05
7.74633E-05	2.90372E-05	7.1093E-05	9.13141E-05	7.40795E-05	7.80193E-05	3.91487E-05	7.1093E-05	8.59938E-05
7.88158E-05	2.9149E-05	7.21301E-05	9.09857E-05	7.53012E-05	7.93461E-05	3.94393E-05	7.21301E-05	8.56586E-05
8.02034E-05	2.85738E-05	7.36786E-05	8.92281E-05	7.67738E-05	8.096E-05	3.96591E-05	7.36786E-05	8.38816E-05
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9.06173E-05	3.08843E-05	8.33697E-05	8.96809E-05	8.68355E-05	9.16637E-05	4.40293E-05	8.33697E-05	8.34025E-05
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0.000112739	4.6671E-05	9.7715E-05	7.19026E-05	0.000105325	0.000110938	5.55576E-05	9.7715E-05	6.73297E-05
0.00011126	4.99546E-05	9.48462E-05	6.01103E-05	0.000103175	0.000108485	5.61012E-05	9.48462E-05	5.73081E-05
0.000104999	4.85645E-05	8.80604E-05	5.18705E-05	9.67277E-05	0.000101636	5.32089E-05	8.80604E-05	4.99201E-05
9.9281E-05	4.36358E-05	8.03259E-05	4.62069E-05	9.03057E-05	9.50422E-05	4.83127E-05	8.03259E-05	4.51473E-05
8.87117E-05	3.68487E-05	7.25358E-05	4.51077E-05	8.10658E-05	8.54048E-05	4.25972E-05	7.25358E-05	4.40439E-05
8.08911E-05	2.94067E-05	6.78197E-05	4.45323E-05	7.47312E-05	7.89167E-05	3.76228E-05	6.78197E-05	4.34707E-05
7.06284E-05	2.17683E-05	6.02683E-05	4.47453E-05	6.57962E-05	6.96722E-05	3.14313E-05	6.02683E-05	4.36847E-05
6.87175E-05	1.88575E-05	5.96541E-05	4.55217E-05	6.45018E-05	6.84015E-05	2.99264E-05	5.96541E-05	4.44788E-05
6.9915E-05	1.82168E-05	6.1796E-05	4.75328E-05	6.61071E-05	7.0111E-05	3.06086E-05	6.1796E-05	4.65243E-05
7.42289E-05	1.89204E-05	6.65792E-05	5.05397E-05	7.05977E-05	7.4859E-05	3.28171E-05	6.65792E-05	4.95717E-05
8.2027E-05	2.14372E-05	7.38862E-05	5.4465E-05	7.81289E-05	8.28113E-05	3.66144E-05	7.38862E-05	5.35365E-05
8.93724E-05	2.46215E-05	8.01177E-05	5.52358E-05	8.49315E-05	8.99739E-05	4.02257E-05	8.01177E-05	5.42885E-05
9.05082E-05	2.81477E-05	8.28765E-05	9.68388E-05	8.66395E-05	9.15626E-05	4.29908E-05	8.28765E-05	9.07437E-05
8.46979E-05	2.88474E-05	7.96882E-05	9.57333E-05	8.18867E-05	8.63386E-05	4.24164E-05	7.96882E-05	8.95921E-05
7.98704E-05	2.85676E-05	7.45299E-05	9.62038E-05	7.69258E-05	8.10455E-05	4.04006E-05	7.45299E-05	9.00438E-05
7.8269E-05	2.9107E-05	7.23571E-05	9.65202E-05	7.50719E-05	7.90513E-05	3.97909E-05	7.23571E-05	9.03425E-05
7.7097E-05	2.95084E-05	7.04901E-05	9.72942E-05	7.36016E-05	7.74876E-05	3.91487E-05	7.04901E-05	9.111E-05
7.64582E-05	2.88239E-05	7.00713E-05	9.13703E-05	7.30727E-05	7.6953E-05	3.86705E-05	7.00713E-05	8.60442E-05
7.79904E-05	2.89826E-05	7.13303E-05	9.10418E-05	7.44902E-05	7.84841E-05	3.90804E-05	7.13303E-05	8.57079E-05
7.94819E-05	2.84258E-05	7.29679E-05	8.93356E-05	7.60602E-05	8.02025E-05	3.93354E-05	7.29679E-05	8.3983E-05
8.3043E-05	2.88623E-05	7.65026E-05	9.30479E-05	7.9602E-05	8.3982E-05	4.07698E-05	7.65026E-05	8.68011E-05
8.96683E-05	3.06828E-05	8.2404E-05	8.98476E-05	8.58846E-05	9.06565E-05	4.3577E-05	8.2404E-05	8.35657E-05
9.7913E-05	3.283E-05	8.89759E-05	8.73255E-05	9.339E-05	9.86856E-05	4.6439E-05	8.89759E-05	8.10264E-05
0.00010579	3.82686E-05	9.41323E-05	8.58486E-05	9.99985E-05	0.000105585	5.04656E-05	9.41323E-05	7.95451E-05
0.000112359	4.65835E-05	9.7298E-05	7.19899E-05	0.000104931	0.000110524	5.53505E-05	9.7298E-05	6.74145E-05
0.000110684	4.9828E-05	9.42407E-05	6.02136E-05	0.00010259	0.000107867	5.581E-05	9.42407E-05	5.74092E-05
0.000106047	4.84899E-05	8.76085E-05	5.20202E-05	9.7158E-05	0.000102142	5.29722E-05	8.76085E-05	5.00673E-05
9.86722E-05	4.3495E-05	7.9655E-05	4.6351E-05	8.9675E-05	9.4378E-05	4.79783E-05	7.9655E-05	4.52886E-05
8.80493E-05	3.67029E-05	7.18386E-05	4.52549E-05	8.03927E-05	8.46935E-05	4.22616E-05	7.18386E-05	4.41882E-05
8.03797E-05	2.92923E-05	6.72732E-05	4.47549E-05	7.42082E-05	7.83647E-05	3.73565E-05	6.72732E-05	4.36894E-05
7.06284E-05	2.17683E-05	6.02683E-05	4.47453E-05	6.57962E-05	6.96722E-05	3.14313E-05	6.02683E-05	4.36847E-05
6.87175E-05	1.88575E-05	5.96541E-05	4.55217E-05	6.45018E-05	6.84015E-05	2.99264E-05	5.96541E-05	4.44788E-05
6.9915E-05	1.82168E-05	6.1796E-05	4.75328E-05	6.61071E-05	7.0111E-05	3.06086E-05	6.1796E-05	4.65243E-05
7.42289E-05	1.89204E-05	6.65792E-05	5.05397E-05	7.05977E-05	7.4859E-05	3.28171E-05	6.65792E-05	4.95717E-05
8.2027E-05	2.14372E-05	7.38862E-05	5.4465E-05	7.81289E-05	8.28113E-05	3.66144E-05	7.38862E-05	5.35365E-05
8.93724E-05	2.46215E-05	8.01177E-05	5.52358E-05	8.49315E-05	8.99739E-05	4.02257E-05	8.01177E-05	5.42885E-05
9.05082E-05	2.81477E-05	8.28765E-05	9.68388E-05	8.66395E-05	9.15626E-05	4.29908E-05	8.28765E-05	9.07437E-05
8.46979E-05	2.88474E-05	7.96882E-05	9.57333E-05	8.18867E-05	8.63386E-05	4.24164E-05	7.96882E-05	8.95921E-05
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7.8269E-05	2.9107E-05	7.23571E-05	9.65202E-05	7.50719E-05	7.90513E-05	3.97909E-05	7.23571E-05	9.03425E-05
7.7097E-05	2.95084E-05	7.04901E-05	9.72942E-05	7.36016E-05	7.74876E-05	3.91487E-05	7.04901E-05	9.111E-05
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7.79904E-05	2.89826E-05	7.13303E-05	9.10418E-05	7.44902E-05	7.84841E-05	3.90804E-05	7.13303E-05	8.57079E-05
7.94819E-05	2.84258E-05	7.29679E-05	8.93356E-05	7.60602E-05	8.02025E-05	3.93354E-05	7.29679E-05	8.3983E-05
8.3043E-05	2.88623E-05	7.65026E-05	9.30479E-05	7.9602E-05	8.3982E-05	4.07698E-05	7.65026E-05	8.68011E-05

8.96683E-05	3.06828E-05	8.2404E-05	8.98476E-05	8.58846E-05	9.06565E-05	4.3577E-05	8.2404E-05	8.35657E-05
9.7913E-05	3.283E-05	8.89759E-05	8.73255E-05	9.339E-05	9.86856E-05	4.6439E-05	8.89759E-05	8.10264E-05
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0.000112359	4.65835E-05	9.7298E-05	7.19899E-05	0.000104931	0.000110524	5.53505E-05	9.7298E-05	6.74145E-05
0.000110684	4.9828E-05	9.42407E-05	6.02136E-05	0.00010259	0.000107867	5.581E-05	9.42407E-05	5.74092E-05
0.000106047	4.84899E-05	8.76085E-05	5.20202E-05	9.7158E-05	0.000102142	5.29722E-05	8.76085E-05	5.00673E-05
9.86722E-05	4.3495E-05	7.9655E-05	4.6351E-05	8.9675E-05	9.4378E-05	4.79783E-05	7.9655E-05	4.52886E-05
8.80493E-05	3.67029E-05	7.18386E-05	4.52549E-05	8.03927E-05	8.46935E-05	4.22616E-05	7.18386E-05	4.41882E-05
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6.87175E-05	1.88575E-05	5.96541E-05	4.55217E-05	6.45018E-05	6.84015E-05	2.99264E-05	5.96541E-05	4.44788E-05
6.9915E-05	1.82168E-05	6.1796E-05	4.75328E-05	6.61071E-05	7.0111E-05	3.06086E-05	6.1796E-05	4.65243E-05
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8.2027E-05	2.14372E-05	7.38862E-05	5.4465E-05	7.81289E-05	8.28113E-05	3.66144E-05	7.38862E-05	5.35365E-05
8.93724E-05	2.46215E-05	8.01177E-05	5.52358E-05	8.49315E-05	8.99739E-05	4.02257E-05	8.01177E-05	5.42885E-05
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7.98704E-05	2.85676E-05	7.45299E-05	9.62038E-05	7.69258E-05	8.10455E-05	4.04006E-05	7.45299E-05	9.00438E-05
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7.7097E-05	2.95084E-05	7.04901E-05	9.72942E-05	7.36016E-05	7.74876E-05	3.91487E-05	7.04901E-05	9.111E-05
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7.79904E-05	2.89826E-05	7.13303E-05	9.10418E-05	7.44902E-05	7.84841E-05	3.90804E-05	7.13303E-05	8.57079E-05
7.94819E-05	2.84258E-05	7.29679E-05	8.93356E-05	7.60602E-05	8.02025E-05	3.93354E-05	7.29679E-05	8.3983E-05
8.3043E-05	2.88623E-05	7.65026E-05	9.30479E-05	7.9602E-05	8.3982E-05	4.07698E-05	7.65026E-05	8.68011E-05

0.000110684	4.9828E-05	9.42407E-05	6.02136E-05	0.00010259	0.000107867	5.581E-05	9.42407E-05	5.74092E-05
0.000106047	4.84899E-05	8.76085E-05	5.20202E-05	9.7158E-05	0.000102142	5.29722E-05	8.76085E-05	5.00673E-05
9.86722E-05	4.3495E-05	7.9655E-05	4.6351E-05	8.9675E-05	9.4378E-05	4.79783E-05	7.9655E-05	4.52886E-05
8.80493E-05	3.67029E-05	7.18386E-05	4.52549E-05	8.03927E-05	8.46935E-05	4.22616E-05	7.18386E-05	4.41882E-05
8.03797E-05	2.92923E-05	6.72732E-05	4.47549E-05	7.42082E-05	7.83647E-05	3.73565E-05	6.72732E-05	4.36894E-05
7.05044E-05	2.17506E-05	6.01811E-05	4.50086E-05	6.56876E-05	6.95543E-05	3.14057E-05	6.01811E-05	4.39447E-05
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6.98605E-05	1.82012E-05	6.17224E-05	4.78463E-05	6.60451E-05	7.00467E-05	3.05671E-05	6.17224E-05	4.6835E-05
7.42053E-05	1.8909E-05	6.65267E-05	5.09161E-05	7.05625E-05	7.48239E-05	3.27814E-05	6.65267E-05	4.99468E-05
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8.93209E-05	2.46017E-05	8.00254E-05	5.56148E-05	8.48638E-05	8.99053E-05	4.01668E-05	8.00254E-05	5.46677E-05
9.2298E-05	2.82391E-05	8.32172E-05	9.71196E-05	8.78285E-05	9.28689E-05	4.31402E-05	8.32172E-05	9.10261E-05
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8.11031E-05	2.88552E-05	7.59E-05	9.62747E-05	7.82077E-05	8.23945E-05	4.10878E-05	7.59E-05	9.01168E-05
7.95698E-05	2.941E-05	7.38008E-05	9.65194E-05	7.64238E-05	8.04741E-05	4.05142E-05	7.38008E-05	9.03458E-05
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8.39673E-05	2.90557E-05	7.74299E-05	9.2893E-05	8.05229E-05	8.49583E-05	4.11989E-05	7.74299E-05	8.66508E-05
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9.86491E-05	3.29842E-05	8.97152E-05	8.71744E-05	9.41237E-05	9.94635E-05	4.67814E-05	8.97152E-05	8.08785E-05
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0.000112739	4.6671E-05	9.7715E-05	7.19026E-05	0.000105325	0.000110938	5.55576E-05	9.7715E-05	6.73297E-05
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9.9281E-05	4.36358E-05	8.03259E-05	4.62069E-05	9.03057E-05	9.50422E-05	4.83127E-05	8.03259E-05	4.51473E-05
8.87117E-05	3.68487E-05	7.25358E-05	4.51077E-05	8.10658E-05	8.54048E-05	4.25972E-05	7.25358E-05	4.40439E-05
8.08911E-05	2.94067E-05	6.78197E-05	4.45323E-05	7.47312E-05	7.89167E-05	3.76228E-05	6.78197E-05	4.34707E-05
7.05044E-05	2.17506E-05	6.01811E-05	4.50086E-05	6.56876E-05	6.95543E-05	3.14057E-05	6.01811E-05	4.39447E-05
6.87273E-05	1.88636E-05	5.96825E-05	4.5831E-05	6.45189E-05	6.84184E-05	2.99469E-05	5.96825E-05	4.47849E-05
6.98605E-05	1.82012E-05	6.17224E-05	4.78463E-05	6.60451E-05	7.00467E-05	3.05671E-05	6.17224E-05	4.6835E-05
7.42053E-05	1.8909E-05	6.65267E-05	5.09161E-05	7.05625E-05	7.48239E-05	3.27814E-05	6.65267E-05	4.99468E-05
8.19543E-05	2.14051E-05	7.37371E-05	5.4836E-05	7.80258E-05	8.27078E-05	3.65151E-05	7.37371E-05	5.39069E-05
8.93209E-05	2.46017E-05	8.00254E-05	5.56148E-05	8.48638E-05	8.99053E-05	4.01668E-05	8.00254E-05	5.46677E-05
9.2298E-05	2.82391E-05	8.32172E-05	9.71196E-05	8.78285E-05	9.28689E-05	4.31402E-05	8.32172E-05	9.10261E-05
8.52957E-05	2.89834E-05	8.03372E-05	9.59558E-05	8.25021E-05	8.69874E-05	4.27363E-05	8.03372E-05	8.98166E-05
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8.39673E-05	2.90557E-05	7.74299E-05	9.2893E-05	8.05229E-05	8.49583E-05	4.11989E-05	7.74299E-05	8.66508E-05
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9.86491E-05	3.29842E-05	8.97152E-05	8.71744E-05	9.41237E-05	9.94635E-05	4.67814E-05	8.97152E-05	8.08785E-05
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0.000112739	4.6671E-05	9.7715E-05	7.19026E-05	0.000105325	0.000110938	5.55576E-05	9.7715E-05	6.73297E-05
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0.000104999	4.85645E-05	8.80604E-05	5.18705E-05	9.67277E-05	0.000101636	5.32089E-05	8.80604E-05	4.99201E-05
9.9281E-05	4.36358E-05	8.03259E-05	4.62069E-05	9.03057E-05	9.50422E-05	4.83127E-05	8.03259E-05	4.51473E-05
8.87117E-05	3.68487E-05	7.25358E-05	4.51077E-05	8.10658E-05	8.54048E-05	4.25972E-05	7.25358E-05	4.40439E-05
8.08911E-05	2.94067E-05	6.78197E-05	4.45323E-05	7.47312E-05	7.89167E-05	3.76228E-05	6.78197E-05	4.34707E-05
7.06284E-05	2.17683E-05	6.02683E-05	4.47453E-05	6.57962E-05	6.96722E-05	3.14313E-05	6.02683E-05	4.36847E-05
6.87175E-05	1.88575E-05	5.96541E-05	4.55217E-05	6.45018E-05	6.84015E-05	2.99264E-05	5.96541E-05	4.44788E-05
6.9915E-05	1.82168E-05	6.1796E-05	4.75328E-05	6.61071E-05	7.0111E-05	3.06086E-05	6.1796E-05	4.65243E-05
7.42289E-05	1.89204E-05	6.65792E-05	5.05397E-05	7.05977E-05	7.4859E-05	3.28171E-05	6.65792E-05	4.95717E-05
8.2027E-05	2.14372E-05	7.38862E-05	5.4465E-05	7.81289E-05	8.28113E-05	3.66144E-05	7.38862E-05	5.35365E-05
8.93724E-05	2.46215E-05	8.01177E-05	5.52358E-05	8.49315E-05	8.99739E-05	4.02257E-05	8.01177E-05	5.42885E-05
9.05082E-05	2.81477E-05	8.28765E-05	9.68388E-05	8.66395E-05	9.15626E-05	4.29908E-05	8.28765E-05	9.07437E-05
8.46979E-05	2.88474E-05	7.96882E-05	9.57333E-05	8.18867E-05	8.63386E-05	4.24164E-05	7.96882E-05	8.95921E-05
7.98704E-05	2.85676E-05	7.45299E-05	9.62038E-05	7.69258E-05	8.10455E-05	4.04006E-05	7.45299E-05	9.00438E-05
7.8269E-05	2.9107E-05	7.23571E-05	9.65202E-05	7.50719E-05	7.90513E-05	3.97909E-05	7.23571E-05	9.03425E-05
7.7097E-05	2.95084E-05	7.04901E-05	9.72942E-05	7.36016E-05	7.74876E-05	3.91487E-05	7.04901E-05	9.111E-05
7.64582E-05	2.88239E-05	7.00713E-05	9.13703E-05	7.30727E-05	7.6953E-05	3.86705E-05	7.00713E-05	8.60442E-05
7.79904E-05	2.89826E-05	7.13303E-05	9.10418E-05	7.44902E-05	7.84841E-05	3.90804E-05	7.13303E-05	8.57079E-05
7.94819E-05	2.84258E-05	7.29679E-05	8.93356E-05	7.60602E-05	8.02025E-05	3.93354E-05	7.29679E-05	8.3983E-05
8.3043E-05	2.88623E-05	7.65026E-05	9.30479E-05	7.9602E-05	8.3982E-05	4.07698E-05	7.65026E-05	8.68011E-05
8.96683E-05	3.06828E-05	8.2404E-05	8.98476E-05	8.58846E-05	9.06565E-05	4.3577E-05	8.2404E-05	8.35657E-05
9.7913E-05	3.283E-05	8.89759E-05	8.73255E-05	9.339E-05	9.86856E-05	4.6439E-05	8.89759E-05	8.10264E-05
0.00010579	3.82686E-05	9.41323E-05	8.58486E-05	9.99985E-05	0.000105585	5.04656E-05	9.41323E-05	7.95451E-05
0.000112359	4.65835E-05	9.7298E-05	7.19899E-05	0.000104931	0.000110524	5.53505E-05	9.7298E-05	6.74145E-05
0.000110684	4.9828E-05	9.42407E-05	6.02136E-05	0.00010259	0.000107867	5.581E-05	9.42407E-05	5.74092E-05
0.000106047	4.84899E-05	8.76085E-05	5.20202E-05	9.7158E-05	0.000102142	5.29722E-05	8.76085E-05	5.00673E-05
9.86722E-05	4.3495E-05	7.9655E-05	4.6351E-05	8.9675E-05	9.4378E-05	4.79783E-05	7.9655E-05	4.52886E-05
8.80493E-05	3.67029E-05	7.18386E-05	4.52549E-05	8.03927E-05	8.46935E-05	4.22616E-05	7.18386E-05	4.41882E-05

8.03797E-05	2.92923E-05	6.72732E-05	4.47549E-05	7.42082E-05	7.83647E-05	3.73565E-05	6.72732E-05	4.36894E-05
7.06284E-05	2.17683E-05	6.02683E-05	4.47453E-05	6.57962E-05	6.96722E-05	3.14313E-05	6.02683E-05	4.36847E-05
6.87175E-05	1.88575E-05	5.96541E-05	4.55217E-05	6.45018E-05	6.84015E-05	2.99264E-05	5.96541E-05	4.44788E-05
6.9915E-05	1.82168E-05	6.1796E-05	4.75328E-05	6.61071E-05	7.0111E-05	3.06086E-05	6.1796E-05	4.65243E-05
7.42289E-05	1.89204E-05	6.65792E-05	5.05397E-05	7.05977E-05	7.4859E-05	3.28171E-05	6.65792E-05	4.95717E-05
8.2027E-05	2.14372E-05	7.38862E-05	5.4465E-05	7.81289E-05	8.28113E-05	3.66144E-05	7.38862E-05	5.35365E-05
8.93724E-05	2.46215E-05	8.01177E-05	5.52358E-05	8.49315E-05	8.99739E-05	4.02257E-05	8.01177E-05	5.42885E-05
9.05082E-05	2.81477E-05	8.28765E-05	9.68388E-05	8.66395E-05	9.15626E-05	4.29908E-05	8.28765E-05	9.07437E-05
8.46979E-05	2.88474E-05	7.96882E-05	9.57333E-05	8.18867E-05	8.63386E-05	4.24164E-05	7.96882E-05	8.95921E-05
7.98704E-05	2.85676E-05	7.45299E-05	9.62038E-05	7.69258E-05	8.10455E-05	4.04006E-05	7.45299E-05	9.00438E-05
7.8269E-05	2.9107E-05	7.23571E-05	9.65202E-05	7.50719E-05	7.90513E-05	3.97909E-05	7.23571E-05	9.03425E-05
7.7097E-05	2.95084E-05	7.04901E-05	9.72942E-05	7.36016E-05	7.74876E-05	3.91487E-05	7.04901E-05	9.111E-05
7.64582E-05	2.88239E-05	7.00713E-05	9.13703E-05	7.30727E-05	7.6953E-05	3.86705E-05	7.00713E-05	8.60442E-05
7.79904E-05	2.89826E-05	7.13303E-05	9.10418E-05	7.44902E-05	7.84841E-05	3.90804E-05	7.13303E-05	8.57079E-05
7.94819E-05	2.84258E-05	7.29679E-05	8.93356E-05	7.60602E-05	8.02025E-05	3.93354E-05	7.29679E-05	8.3983E-05
8.3043E-05	2.88623E-05	7.65026E-05	9.30479E-05	7.9602E-05	8.3982E-05	4.07698E-05	7.65026E-05	8.68011E-05
8.96683E-05	3.06828E-05	8.2404E-05	8.98476E-05	8.58846E-05	9.06565E-05	4.3577E-05	8.2404E-05	8.35657E-05
9.7913E-05	3.283E-05	8.89759E-05	8.73255E-05	9.339E-05	9.86856E-05	4.6439E-05	8.89759E-05	8.10264E-05
0.00010579	3.82686E-05	9.41323E-05	8.58486E-05	9.99985E-05	0.000105585	5.04656E-05	9.41323E-05	7.95451E-05
0.000112359	4.65835E-05	9.7298E-05	7.19899E-05	0.000104931	0.000110524	5.53505E-05	9.7298E-05	6.74145E-05
0.000110684	4.9828E-05	9.42407E-05	6.02136E-05	0.00010259	0.000107867	5.581E-05	9.42407E-05	5.74092E-05
0.000106047	4.84899E-05	8.76085E-05	5.20202E-05	9.7158E-05	0.000102142	5.29722E-05	8.76085E-05	5.00673E-05
9.86722E-05	4.3495E-05	7.9655E-05	4.6351E-05	8.9675E-05	9.4378E-05	4.79783E-05	7.9655E-05	4.52886E-05
8.80493E-05	3.67029E-05	7.18386E-05	4.52549E-05	8.03927E-05	8.46935E-05	4.22616E-05	7.18386E-05	4.41882E-05

7.42289E-05	1.89204E-05	6.65792E-05	5.05397E-05	7.05977E-05	7.4859E-05	3.28171E-05	6.65792E-05	4.95717E-05
8.2027E-05	2.14372E-05	7.38862E-05	5.4465E-05	7.81289E-05	8.28113E-05	3.66144E-05	7.38862E-05	5.35365E-05
8.93724E-05	2.46215E-05	8.01177E-05	5.52358E-05	8.49315E-05	8.99739E-05	4.02257E-05	8.01177E-05	5.42885E-05
9.05082E-05	2.81477E-05	8.28765E-05	9.68388E-05	8.66395E-05	9.15626E-05	4.29908E-05	8.28765E-05	9.07437E-05
8.46979E-05	2.88474E-05	7.96882E-05	9.57333E-05	8.18867E-05	8.63386E-05	4.24164E-05	7.96882E-05	8.95921E-05
7.98704E-05	2.85676E-05	7.45299E-05	9.62038E-05	7.69258E-05	8.10455E-05	4.04006E-05	7.45299E-05	9.00438E-05
7.8269E-05	2.9107E-05	7.23571E-05	9.65202E-05	7.50719E-05	7.90513E-05	3.97909E-05	7.23571E-05	9.03425E-05
7.7097E-05	2.95084E-05	7.04901E-05	9.72942E-05	7.36016E-05	7.74876E-05	3.91487E-05	7.04901E-05	9.111E-05
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7.94819E-05	2.84258E-05	7.29679E-05	8.93356E-05	7.60602E-05	8.02025E-05	3.93354E-05	7.29679E-05	8.3983E-05
8.3043E-05	2.88623E-05	7.65026E-05	9.30479E-05	7.9602E-05	8.3982E-05	4.07698E-05	7.65026E-05	8.68011E-05
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0.000112359	4.65835E-05	9.7298E-05	7.19899E-05	0.000104931	0.000110524	5.53505E-05	9.7298E-05	6.74145E-05
0.000110684	4.9828E-05	9.42407E-05	6.02136E-05	0.00010259	0.000107867	5.581E-05	9.42407E-05	5.74092E-05
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9.86722E-05	4.3495E-05	7.9655E-05	4.6351E-05	8.9675E-05	9.4378E-05	4.79783E-05	7.9655E-05	4.52886E-05
8.80493E-05	3.67029E-05	7.18386E-05	4.52549E-05	8.03927E-05	8.46935E-05	4.22616E-05	7.18386E-05	4.41882E-05
8.03797E-05	2.92923E-05	6.72732E-05	4.47549E-05	7.42082E-05	7.83647E-05	3.73565E-05	6.72732E-05	4.36894E-05
7.05044E-05	2.17506E-05	6.01811E-05	4.50086E-05	6.56876E-05	6.95543E-05	3.14057E-05	6.01811E-05	4.39447E-05
6.87273E-05	1.88636E-05	5.96825E-05	4.5831E-05	6.45189E-05	6.84184E-05	2.99469E-05	5.96825E-05	4.47849E-05
6.98605E-05	1.82012E-05	6.17224E-05	4.78463E-05	6.60451E-05	7.00467E-05	3.05671E-05	6.17224E-05	4.6835E-05
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8.19543E-05	2.14051E-05	7.37371E-05	5.4836E-05	7.80258E-05	8.27078E-05	3.65151E-05	7.37371E-05	5.39069E-05
8.93209E-05	2.46017E-05	8.00254E-05	5.56148E-05	8.48638E-05	8.99053E-05	4.01668E-05	8.00254E-05	5.46677E-05
9.2298E-05	2.82391E-05	8.32172E-05	9.71196E-05	8.78285E-05	9.28689E-05	4.31402E-05	8.32172E-05	9.10261E-05
8.52957E-05	2.89834E-05	8.03372E-05	9.59558E-05	8.25021E-05	8.69874E-05	4.27363E-05	8.03372E-05	8.98166E-05
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7.82773E-05	2.97835E-05	7.18009E-05	9.72195E-05	7.48286E-05	7.87788E-05	3.98058E-05	7.18009E-05	9.10406E-05
7.74633E-05	2.90372E-05	7.1093E-05	9.13141E-05	7.40795E-05	7.80193E-05	3.91487E-05	7.1093E-05	8.59938E-05
7.88158E-05	2.9149E-05	7.21301E-05	9.09857E-05	7.53012E-05	7.93461E-05	3.94393E-05	7.21301E-05	8.56586E-05
8.02034E-05	2.85738E-05	7.36786E-05	8.92281E-05	7.67738E-05	8.096E-05	3.96591E-05	7.36786E-05	8.38816E-05
8.39673E-05	2.90557E-05	7.74299E-05	9.2893E-05	8.05229E-05	8.49583E-05	4.11989E-05	7.74299E-05	8.66508E-05
9.06173E-05	3.08843E-05	8.33697E-05	8.96809E-05	8.68355E-05	9.16637E-05	4.40293E-05	8.33697E-05	8.34025E-05
9.86491E-05	3.29842E-05	8.97152E-05	8.71744E-05	9.41237E-05	9.94635E-05	4.67814E-05	8.97152E-05	8.08785E-05
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0.000104999	4.85645E-05	8.80604E-05	5.18705E-05	9.67277E-05	0.000101636	5.32089E-05	8.80604E-05	4.99201E-05
9.9281E-05	4.36358E-05	8.03259E-05	4.62069E-05	9.03057E-05	9.50422E-05	4.83127E-05	8.03259E-05	4.51473E-05
8.87117E-05	3.68487E-05	7.25358E-05	4.51077E-05	8.10658E-05	8.54048E-05	4.25972E-05	7.25358E-05	4.40439E-05
8.08911E-05	2.94067E-05	6.78197E-05	4.45323E-05	7.47312E-05	7.89167E-05	3.76228E-05	6.78197E-05	4.34707E-05
7.05044E-05	2.17506E-05	6.01811E-05	4.50086E-05	6.56876E-05	6.95543E-05	3.14057E-05	6.01811E-05	4.39447E-05
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6.98605E-05	1.82012E-05	6.17224E-05	4.78463E-05	6.60451E-05	7.00467E-05	3.05671E-05	6.17224E-05	4.6835E-05
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8.19543E-05	2.14051E-05	7.37371E-05	5.4836E-05	7.80258E-05	8.27078E-05	3.65151E-05	7.37371E-05	5.39069E-05
8.93209E-05	2.46017E-05	8.00254E-05	5.56148E-05	8.48638E-05	8.99053E-05	4.01668E-05	8.00254E-05	5.46677E-05
9.2298E-05	2.82391E-05	8.32172E-05	9.71196E-05	8.78285E-05	9.28689E-05	4.31402E-05	8.32172E-05	9.10261E-05
8.52957E-05	2.89834E-05	8.03372E-05	9.59558E-05	8.25021E-05	8.69874E-05	4.27363E-05	8.03372E-05	8.98166E-05
8.11031E-05	2.88552E-05	7.59E-05	9.62747E-05	7.82077E-05	8.23945E-05	4.10878E-05	7.59E-05	9.01168E-05
7.95698E-05	2.941E-05	7.38008E-05	9.65194E-05	7.64238E-05	8.04741E-05	4.05142E-05	7.38008E-05	9.03458E-05
7.82773E-05	2.97835E-05	7.18009E-05	9.72195E-05	7.48286E-05	7.87788E-05	3.98058E-05	7.18009E-05	9.10406E-05
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7.88158E-05	2.9149E-05	7.21301E-05	9.09857E-05	7.53012E-05	7.93461E-05	3.94393E-05	7.21301E-05	8.56586E-05
8.02034E-05	2.85738E-05	7.36786E-05	8.92281E-05	7.67738E-05	8.096E-05	3.96591E-05	7.36786E-05	8.38816E-05
8.39673E-05	2.90557E-05	7.74299E-05	9.2893E-05	8.05229E-05	8.49583E-05	4.11989E-05	7.74299E-05	8.66508E-05
9.06173E-05	3.08843E-05	8.33697E-05	8.96809E-05	8.68355E-05	9.16637E-05	4.40293E-05	8.33697E-05	8.34025E-05
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0.000112739	4.6671E-05	9.7715E-05	7.19026E-05	0.000105325	0.000110938	5.55576E-05	9.7715E-05	6.73297E-05
0.00011126	4.99546E-05	9.48462E-05	6.01103E-05	0.000103175	0.000108485	5.61012E-05	9.48462E-05	5.73081E-05
0.000104999	4.85645E-05	8.80604E-05	5.18705E-05	9.67277E-05	0.000101636	5.32089E-05	8.80604E-05	4.99201E-05
9.9281E-05	4.36358E-05	8.03259E-05	4.62069E-05	9.03057E-05	9.50422E-05	4.83127E-05	8.03259E-05	4.51473E-05
8.87117E-05	3.68487E-05	7.25358E-05	4.51077E-05	8.10658E-05	8.54048E-05	4.25972E-05	7.25358E-05	4.40439E-05
8.08911E-05	2.94067E-05	6.78197E-05	4.45323E-05	7.47312E-05	7.89167E-05	3.76228E-05	6.78197E-05	4.34707E-05
7.06284E-05	2.17683E-05	6.02683E-05	4.47453E-05	6.57962E-05	6.96722E-05	3.14313E-05	6.02683E-05	4.36847E-05
6.87175E-05	1.88575E-05	5.96541E-05	4.55217E-05	6.45018E-05	6.84015E-05	2.99264E-05	5.96541E-05	4.44788E-05
6.9915E-05	1.82168E-05	6.1796E-05	4.75328E-05	6.61071E-05	7.0111E-05	3.06086E-05	6.1796E-05	4.65243E-05
7.42289E-05	1.89204E-05	6.65792E-05	5.05397E-05	7.05977E-05	7.4859E-05	3.28171E-05	6.65792E-05	4.95717E-05
8.2027E-05	2.14372E-05	7.38862E-05	5.4465E-05	7.81289E-05	8.28113E-05	3.66144E-05	7.38862E-05	5.35365E-05
8.93724E-05	2.46215E-05	8.01177E-05	5.52358E-05	8.49315E-05	8.99739E-05	4.02257E-05	8.01177E-05	5.42885E-05
9.05082E-05	2.81477E-05	8.28765E-05	9.68388E-05	8.66395E-05	9.15626E-05	4.29908E-05	8.28765E-05	9.07437E-05

8.46979E-05	2.88474E-05	7.96882E-05	9.57333E-05	8.18867E-05	8.63386E-05	4.24164E-05	7.96882E-05	8.95921E-05
7.98704E-05	2.85676E-05	7.45299E-05	9.62038E-05	7.69258E-05	8.10455E-05	4.04006E-05	7.45299E-05	9.00438E-05
7.8269E-05	2.9107E-05	7.23571E-05	9.65202E-05	7.50719E-05	7.90513E-05	3.97909E-05	7.23571E-05	9.03425E-05
7.7097E-05	2.95084E-05	7.04901E-05	9.72942E-05	7.36016E-05	7.74876E-05	3.91487E-05	7.04901E-05	9.111E-05
7.64582E-05	2.88239E-05	7.00713E-05	9.13703E-05	7.30727E-05	7.6953E-05	3.86705E-05	7.00713E-05	8.60442E-05
7.79904E-05	2.89826E-05	7.13303E-05	9.10418E-05	7.44902E-05	7.84841E-05	3.90804E-05	7.13303E-05	8.57079E-05
7.94819E-05	2.84258E-05	7.29679E-05	8.93356E-05	7.60602E-05	8.02025E-05	3.93354E-05	7.29679E-05	8.3983E-05
8.3043E-05	2.88623E-05	7.65026E-05	9.30479E-05	7.9602E-05	8.3982E-05	4.07698E-05	7.65026E-05	8.68011E-05
8.96683E-05	3.06828E-05	8.2404E-05	8.98476E-05	8.58846E-05	9.06565E-05	4.3577E-05	8.2404E-05	8.35657E-05
9.7913E-05	3.283E-05	8.89759E-05	8.73255E-05	9.339E-05	9.86856E-05	4.6439E-05	8.89759E-05	8.10264E-05
0.00010579	3.82686E-05	9.41323E-05	8.58486E-05	9.99985E-05	0.000105585	5.04656E-05	9.41323E-05	7.95451E-05
0.000112359	4.65835E-05	9.7298E-05	7.19899E-05	0.000104931	0.000110524	5.53505E-05	9.7298E-05	6.74145E-05
0.000110684	4.9828E-05	9.42407E-05	6.02136E-05	0.00010259	0.000107867	5.581E-05	9.42407E-05	5.74092E-05
0.000106047	4.84899E-05	8.76085E-05	5.20202E-05	9.7158E-05	0.000102142	5.29722E-05	8.76085E-05	5.00673E-05
9.86722E-05	4.3495E-05	7.9655E-05	4.6351E-05	8.9675E-05	9.4378E-05	4.79783E-05	7.9655E-05	4.52886E-05
8.80493E-05	3.67029E-05	7.18386E-05	4.52549E-05	8.03927E-05	8.46935E-05	4.22616E-05	7.18386E-05	4.41882E-05
8.03797E-05	2.92923E-05	6.72732E-05	4.47549E-05	7.42082E-05	7.83647E-05	3.73565E-05	6.72732E-05	4.36894E-05
7.06284E-05	2.17683E-05	6.02683E-05	4.47453E-05	6.57962E-05	6.96722E-05	3.14313E-05	6.02683E-05	4.36847E-05
6.87175E-05	1.88575E-05	5.96541E-05	4.55217E-05	6.45018E-05	6.84015E-05	2.99264E-05	5.96541E-05	4.44788E-05
6.9915E-05	1.82168E-05	6.1796E-05	4.75328E-05	6.61071E-05	7.0111E-05	3.06086E-05	6.1796E-05	4.65243E-05
7.42289E-05	1.89204E-05	6.65792E-05	5.05397E-05	7.05977E-05	7.4859E-05	3.28171E-05	6.65792E-05	4.95717E-05
8.2027E-05	2.14372E-05	7.38862E-05	5.4465E-05	7.81289E-05	8.28113E-05	3.66144E-05	7.38862E-05	5.35365E-05
8.93724E-05	2.46215E-05	8.01177E-05	5.52358E-05	8.49315E-05	8.99739E-05	4.02257E-05	8.01177E-05	5.42885E-05
9.05082E-05	2.81477E-05	8.28765E-05	9.68388E-05	8.66395E-05	9.15626E-05	4.29908E-05	8.28765E-05	9.07437E-05

7.64582E-05	2.88239E-05	7.00713E-05	9.13703E-05	7.30727E-05	7.6953E-05	3.86705E-05	7.00713E-05	8.60442E-05
7.79904E-05	2.89826E-05	7.13303E-05	9.10418E-05	7.44902E-05	7.84841E-05	3.90804E-05	7.13303E-05	8.57079E-05
7.94819E-05	2.84258E-05	7.29679E-05	8.93356E-05	7.60602E-05	8.02025E-05	3.93354E-05	7.29679E-05	8.3983E-05
8.3043E-05	2.88623E-05	7.65026E-05	9.30479E-05	7.9602E-05	8.3982E-05	4.07698E-05	7.65026E-05	8.68011E-05
8.96683E-05	3.06828E-05	8.2404E-05	8.98476E-05	8.58846E-05	9.06565E-05	4.3577E-05	8.2404E-05	8.35657E-05
9.7913E-05	3.283E-05	8.89759E-05	8.73255E-05	9.339E-05	9.86856E-05	4.6439E-05	8.89759E-05	8.10264E-05
0.00010579	3.82686E-05	9.41323E-05	8.58486E-05	9.99985E-05	0.000105585	5.04656E-05	9.41323E-05	7.95451E-05
0.000112359	4.65835E-05	9.7298E-05	7.19899E-05	0.000104931	0.000110524	5.53505E-05	9.7298E-05	6.74145E-05
0.000110684	4.9828E-05	9.42407E-05	6.02136E-05	0.00010259	0.000107867	5.581E-05	9.42407E-05	5.74092E-05
0.000106047	4.84899E-05	8.76085E-05	5.20202E-05	9.7158E-05	0.000102142	5.29722E-05	8.76085E-05	5.00673E-05
9.86722E-05	4.3495E-05	7.9655E-05	4.6351E-05	8.9675E-05	9.4378E-05	4.79783E-05	7.9655E-05	4.52886E-05
8.80493E-05	3.67029E-05	7.18386E-05	4.52549E-05	8.03927E-05	8.46935E-05	4.22616E-05	7.18386E-05	4.41882E-05
8.03797E-05	2.92923E-05	6.72732E-05	4.47549E-05	7.42082E-05	7.83647E-05	3.73565E-05	6.72732E-05	4.36894E-05
7.06284E-05	2.17683E-05	6.02683E-05	4.47453E-05	6.57962E-05	6.96722E-05	3.14313E-05	6.02683E-05	4.36847E-05
6.87175E-05	1.88575E-05	5.96541E-05	4.55217E-05	6.45018E-05	6.84015E-05	2.99264E-05	5.96541E-05	4.44788E-05
6.9915E-05	1.82168E-05	6.1796E-05	4.75328E-05	6.61071E-05	7.0111E-05	3.06086E-05	6.1796E-05	4.65243E-05
7.42289E-05	1.89204E-05	6.65792E-05	5.05397E-05	7.05977E-05	7.4859E-05	3.28171E-05	6.65792E-05	4.95717E-05
8.2027E-05	2.14372E-05	7.38862E-05	5.4465E-05	7.81289E-05	8.28113E-05	3.66144E-05	7.38862E-05	5.35365E-05
8.93724E-05	2.46215E-05	8.01177E-05	5.52358E-05	8.49315E-05	8.99739E-05	4.02257E-05	8.01177E-05	5.42885E-05
9.05082E-05	2.81477E-05	8.28765E-05	9.68388E-05	8.66395E-05	9.15626E-05	4.29908E-05	8.28765E-05	9.07437E-05
8.46979E-05	2.88474E-05	7.96882E-05	9.57333E-05	8.18867E-05	8.63386E-05	4.24164E-05	7.96882E-05	8.95921E-05
7.98704E-05	2.85676E-05	7.45299E-05	9.62038E-05	7.69258E-05	8.10455E-05	4.04006E-05	7.45299E-05	9.00438E-05
7.8269E-05	2.9107E-05	7.23571E-05	9.65202E-05	7.50719E-05	7.90513E-05	3.97909E-05	7.23571E-05	9.03425E-05
7.7097E-05	2.95084E-05	7.04901E-05	9.72942E-05	7.36016E-05	7.74876E-05	3.91487E-05	7.04901E-05	9.111E-05
7.64582E-05	2.88239E-05	7.00713E-05	9.13703E-05	7.30727E-05	7.6953E-05	3.86705E-05	7.00713E-05	8.60442E-05
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7.94819E-05	2.84258E-05	7.29679E-05	8.93356E-05	7.60602E-05	8.02025E-05	3.93354E-05	7.29679E-05	8.3983E-05
8.3043E-05	2.88623E-05	7.65026E-05	9.30479E-05	7.9602E-05	8.3982E-05	4.07698E-05	7.65026E-05	8.68011E-05
8.96683E-05	3.06828E-05	8.2404E-05	8.98476E-05	8.58846E-05	9.06565E-05	4.3577E-05	8.2404E-05	8.35657E-05
9.7913E-05	3.283E-05	8.89759E-05	8.73255E-05	9.339E-05	9.86856E-05	4.6439E-05	8.89759E-05	8.10264E-05
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0.000112359	4.65835E-05	9.7298E-05	7.19899E-05	0.000104931	0.000110524	5.53505E-05	9.7298E-05	6.74145E-05
0.000110684	4.9828E-05	9.42407E-05	6.02136E-05	0.00010259	0.000107867	5.581E-05	9.42407E-05	5.74092E-05
0.000106047	4.84899E-05	8.76085E-05	5.20202E-05	9.7158E-05	0.000102142	5.29722E-05	8.76085E-05	5.00673E-05
9.86722E-05	4.3495E-05	7.9655E-05	4.6351E-05	8.9675E-05	9.4378E-05	4.79783E-05	7.9655E-05	4.52886E-05
8.80493E-05	3.67029E-05	7.18386E-05	4.52549E-05	8.03927E-05	8.46935E-05	4.22616E-05	7.18386E-05	4.41882E-05
8.03797E-05	2.92923E-05	6.72732E-05	4.47549E-05	7.42082E-05	7.83647E-05	3.73565E-05	6.72732E-05	4.36894E-05
7.05044E-05	2.17506E-05	6.01811E-05	4.50086E-05	6.56876E-05	6.95543E-05	3.14057E-05	6.01811E-05	4.39447E-05
6.87273E-05	1.88636E-05	5.96825E-05	4.5831E-05	6.45189E-05	6.84184E-05	2.99469E-05	5.96825E-05	4.47849E-05
6.98605E-05	1.82012E-05	6.17224E-05	4.78463E-05	6.60451E-05	7.00467E-05	3.05671E-05	6.17224E-05	4.6835E-05
7.42053E-05	1.8909E-05	6.65267E-05	5.09161E-05	7.05625E-05	7.48239E-05	3.27814E-05	6.65267E-05	4.99468E-05
8.19543E-05	2.14051E-05	7.37371E-05	5.4836E-05	7.80258E-05	8.27078E-05	3.65151E-05	7.37371E-05	5.39069E-05
8.93209E-05	2.46017E-05	8.00254E-05	5.56148E-05	8.48638E-05	8.99053E-05	4.01668E-05	8.00254E-05	5.46677E-05
9.2298E-05	2.82391E-05	8.32172E-05	9.71196E-05	8.78285E-05	9.28689E-05	4.31402E-05	8.32172E-05	9.10261E-05
8.52957E-05	2.89834E-05	8.03372E-05	9.59558E-05	8.25021E-05	8.69874E-05	4.27363E-05	8.03372E-05	8.98166E-05
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7.95698E-05	2.941E-05	7.38008E-05	9.65194E-05	7.64238E-05	8.04741E-05	4.05142E-05	7.38008E-05	9.03458E-05
7.82773E-05	2.97835E-05	7.18009E-05	9.72195E-05	7.48286E-05	7.87788E-05	3.98058E-05	7.18009E-05	9.10406E-05
7.74633E-05	2.90372E-05	7.1093E-05	9.13141E-05	7.40795E-05	7.80193E-05	3.91487E-05	7.1093E-05	8.59938E-05
7.88158E-05	2.9149E-05	7.21301E-05	9.09857E-05	7.53012E-05	7.93461E-05	3.94393E-05	7.21301E-05	8.56586E-05
8.02034E-05	2.85738E-05	7.36786E-05	8.92281E-05	7.67738E-05	8.096E-05	3.96591E-05	7.36786E-05	8.38816E-05
8.39673E-05	2.90557E-05	7.74299E-05	9.2893E-05	8.05229E-05	8.49583E-05	4.11989E-05	7.74299E-05	8.66508E-05
9.06173E-05	3.08843E-05	8.33697E-05	8.96809E-05	8.68355E-05	9.16637E-05	4.40293E-05	8.33697E-05	8.34025E-05
9.86491E-05	3.29842E-05	8.97152E-05	8.71744E-05	9.41237E-05	9.94635E-05	4.67814E-05	8.97152E-05	8.08785E-05
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0.000112739	4.6671E-05	9.7715E-05	7.19026E-05	0.000105325	0.000110938	5.55576E-05	9.7715E-05	6.73297E-05
0.00011126	4.99546E-05	9.48462E-05	6.01103E-05	0.000103175	0.000108485	5.61012E-05	9.48462E-05	5.73081E-05
0.000104999	4.85645E-05	8.80604E-05	5.18705E-05	9.67277E-05	0.000101636	5.32089E-05	8.80604E-05	4.99201E-05
9.9281E-05	4.36358E-05	8.03259E-05	4.62069E-05	9.03057E-05	9.50422E-05	4.83127E-05	8.03259E-05	4.51473E-05
8.87117E-05	3.68487E-05	7.25358E-05	4.51077E-05	8.10658E-05	8.54048E-05	4.25972E-05	7.25358E-05	4.40439E-05
8.08911E-05	2.94067E-05	6.78197E-05	4.45323E-05	7.47312E-05	7.89167E-05	3.76228E-05	6.78197E-05	4.34707E-05
7.05044E-05	2.17506E-05	6.01811E-05	4.50086E-05	6.56876E-05	6.95543E-05	3.14057E-05	6.01811E-05	4.39447E-05
6.87273E-05	1.88636E-05	5.96825E-05	4.5831E-05	6.45189E-05	6.84184E-05	2.99469E-05	5.96825E-05	4.47849E-05
6.98605E-05	1.82012E-05	6.17224E-05	4.78463E-05	6.60451E-05	7.00467E-05	3.05671E-05	6.17224E-05	4.6835E-05
7.42053E-05	1.8909E-05	6.65267E-05	5.09161E-05	7.05625E-05	7.48239E-05	3.27814E-05	6.65267E-05	4.99468E-05
8.19543E-05	2.14051E-05	7.37371E-05	5.4836E-05	7.80258E-05	8.27078E-05	3.65151E-05	7.37371E-05	5.39069E-05
8.93209E-05	2.46017E-05	8.00254E-05	5.56148E-05	8.48638E-05	8.99053E-05	4.01668E-05	8.00254E-05	5.46677E-05
9.2298E-05	2.82391E-05	8.32172E-05	9.71196E-05	8.78285E-05	9.28689E-05	4.31402E-05	8.32172E-05	9.10261E-05
8.52957E-05	2.89834E-05	8.03372E-05	9.59558E-05	8.25021E-05	8.69874E-05	4.27363E-05	8.03372E-05	8.98166E-05
8.11031E-05	2.88552E-05	7.59E-05	9.62747E-05	7.82077E-05	8.23945E-05	4.10878E-05	7.59E-05	9.01168E-05
7.95698E-05	2.941E-05	7.38008E-05	9.65194E-05	7.64238E-05	8.04741E-05	4.05142E-05	7.38008E-05	9.03458E-05
7.82773E-05	2.97835E-05	7.18009E-05	9.72195E-05	7.48286E-05	7.87788E-05	3.98058E-05	7.18009E-05	9.10406E-05
7.74633E-05	2.90372E-05	7.1093E-05	9.13141E-05	7.40795E-05	7.80193E-05	3.91487E-05	7.1093E-05	8.59938E-05
7.88158E-05	2.9149E-05	7.21301E-05	9.09857E-05	7.53012E-05	7.93461E-05	3.94393E-05	7.21301E-05	8.56586E-05
8.02034E-05	2.85738E-05	7.36786E-05	8.92281E-05	7.67738E-05	8.096E-05	3.96591E-05	7.36786E-05	8.38816E-05
8.39673E-05	2.90557E-05	7.74299E-05	9.2893E-05	8.05229E-05	8.49583E-05	4.11989E-05	7.74299E-05	8.66508E-05

9.06173E-05	3.08843E-05	8.33697E-05	8.96809E-05	8.68355E-05	9.16637E-05	4.40293E-05	8.33697E-05	8.34025E-05
9.86491E-05	3.29842E-05	8.97152E-05	8.71744E-05	9.41237E-05	9.94635E-05	4.67814E-05	8.97152E-05	8.08785E-05
0.000106414	3.8403E-05	9.47759E-05	8.57134E-05	0.000100628	0.000106251	5.07701E-05	9.47759E-05	7.94125E-05
0.000112739	4.6671E-05	9.7715E-05	7.19026E-05	0.000105325	0.000110938	5.55576E-05	9.7715E-05	6.73297E-05
0.00011126	4.99546E-05	9.48462E-05	6.01103E-05	0.000103175	0.000108485	5.61012E-05	9.48462E-05	5.73081E-05
0.000104999	4.85645E-05	8.80604E-05	5.18705E-05	9.67277E-05	0.000101636	5.32089E-05	8.80604E-05	4.99201E-05
9.9281E-05	4.36358E-05	8.03259E-05	4.62069E-05	9.03057E-05	9.50422E-05	4.83127E-05	8.03259E-05	4.51473E-05
8.87117E-05	3.68487E-05	7.25358E-05	4.51077E-05	8.10658E-05	8.54048E-05	4.25972E-05	7.25358E-05	4.40439E-05
8.08911E-05	2.94067E-05	6.78197E-05	4.45323E-05	7.47312E-05	7.89167E-05	3.76228E-05	6.78197E-05	4.34707E-05
7.06284E-05	2.17683E-05	6.02683E-05	4.47453E-05	6.57962E-05	6.96722E-05	3.14313E-05	6.02683E-05	4.36847E-05
6.87175E-05	1.88575E-05	5.96541E-05	4.55217E-05	6.45018E-05	6.84015E-05	2.99264E-05	5.96541E-05	4.44788E-05
6.9915E-05	1.82168E-05	6.1796E-05	4.75328E-05	6.61071E-05	7.0111E-05	3.06086E-05	6.1796E-05	4.65243E-05
7.42289E-05	1.89204E-05	6.65792E-05	5.05397E-05	7.05977E-05	7.4859E-05	3.28171E-05	6.65792E-05	4.95717E-05
8.2027E-05	2.14372E-05	7.38862E-05	5.4465E-05	7.81289E-05	8.28113E-05	3.66144E-05	7.38862E-05	5.35365E-05
8.93724E-05	2.46215E-05	8.01177E-05	5.52358E-05	8.49315E-05	8.99739E-05	4.02257E-05	8.01177E-05	5.42885E-05
9.05082E-05	2.81477E-05	8.28765E-05	9.68388E-05	8.66395E-05	9.15626E-05	4.29908E-05	8.28765E-05	9.07437E-05
8.46979E-05	2.88474E-05	7.96882E-05	9.57333E-05	8.18867E-05	8.63386E-05	4.24164E-05	7.96882E-05	8.95921E-05
7.98704E-05	2.85676E-05	7.45299E-05	9.62038E-05	7.69258E-05	8.10455E-05	4.04006E-05	7.45299E-05	9.00438E-05
7.8269E-05	2.9107E-05	7.23571E-05	9.65202E-05	7.50719E-05	7.90513E-05	3.97909E-05	7.23571E-05	9.03425E-05
7.7097E-05	2.95084E-05	7.04901E-05	9.72942E-05	7.36016E-05	7.74876E-05	3.91487E-05	7.04901E-05	9.111E-05
7.64582E-05	2.88239E-05	7.00713E-05	9.13703E-05	7.30727E-05	7.6953E-05	3.86705E-05	7.00713E-05	8.60442E-05
7.79904E-05	2.89826E-05	7.13303E-05	9.10418E-05	7.44902E-05	7.84841E-05	3.90804E-05	7.13303E-05	8.57079E-05
7.94819E-05	2.84258E-05	7.29679E-05	8.93356E-05	7.60602E-05	8.02025E-05	3.93354E-05	7.29679E-05	8.3983E-05
8.3043E-05	2.88623E-05	7.65026E-05	9.30479E-05	7.9602E-05	8.3982E-05	4.07698E-05	7.65026E-05	8.68011E-05
8.96683E-05	3.06828E-05	8.2404E-05	8.98476E-05	8.58846E-05	9.06565E-05	4.3577E-05	8.2404E-05	8.35657E-05
9.7913E-05	3.283E-05	8.89759E-05	8.73255E-05	9.339E-05	9.86856E-05	4.6439E-05	8.89759E-05	8.10264E-05
0.00010579	3.82686E-05	9.41323E-05	8.58486E-05	9.99985E-05	0.000105585	5.04656E-05	9.41323E-05	7.95451E-05
0.000112359	4.65835E-05	9.7298E-05	7.19899E-05	0.000104931	0.000110524	5.53505E-05	9.7298E-05	6.74145E-05
0.000110684	4.9828E-05	9.42407E-05	6.02136E-05	0.00010259	0.000107867	5.581E-05	9.42407E-05	5.74092E-05
0.000106047	4.84899E-05	8.76085E-05	5.20202E-05	9.7158E-05	0.000102142	5.29722E-05	8.76085E-05	5.00673E-05
9.86722E-05	4.3495E-05	7.9655E-05	4.6351E-05	8.9675E-05	9.4378E-05	4.79783E-05	7.9655E-05	4.52886E-05
8.80493E-05	3.67029E-05	7.18386E-05	4.52549E-05	8.03927E-05	8.46935E-05	4.22616E-05	7.18386E-05	4.41882E-05
8.03797E-05	2.92923E-05	6.72732E-05	4.47549E-05	7.42082E-05	7.83647E-05	3.73565E-05	6.72732E-05	4.36894E-05
8.22594E-05	2.45993E-05	7.37266E-05	4.25104E-05	7.81057E-05	8.25873E-05	3.83719E-05	7.37266E-05	4.14941E-05
7.98663E-05	2.16353E-05	7.28434E-05	4.28944E-05	7.64174E-05	8.08827E-05	3.6828E-05	7.28434E-05	4.18866E-05
7.93941E-05	2.06245E-05	7.32163E-05	4.38803E-05	7.63212E-05	8.07953E-05	3.66543E-05	7.32163E-05	4.28918E-05
8.26145E-05	2.10698E-05	7.67696E-05	4.59813E-05	7.96688E-05	8.43415E-05	3.82407E-05	7.67696E-05	4.50237E-05
9.00637E-05	2.3517E-05	8.37417E-05	4.83965E-05	8.68585E-05	9.19307E-05	4.1889E-05	8.37417E-05	4.74714E-05
9.93599E-05	2.70623E-05	9.17184E-05	4.85303E-05	9.55194E-05	0.00010108	4.62236E-05	9.17184E-05	4.75784E-05
0.000102156	3.09408E-05	9.61652E-05	8.93492E-05	9.88903E-05	0.00010443	4.9779E-05	9.61652E-05	8.32403E-05
9.96145E-05	3.22521E-05	9.59313E-05	8.76971E-05	9.72636E-05	0.000102545	5.04423E-05	9.59313E-05	8.1533E-05
9.67807E-05	3.24028E-05	9.28336E-05	8.78783E-05	9.43135E-05	9.93788E-05	4.94042E-05	9.28336E-05	8.17074E-05
9.47151E-05	3.25556E-05	8.88927E-05	8.81074E-05	9.14722E-05	9.64367E-05	4.74579E-05	8.88927E-05	8.19292E-05
9.35129E-05	3.27974E-05	8.63061E-05	8.89523E-05	8.9694E-05	9.45988E-05	4.62083E-05	8.63061E-05	8.27744E-05
9.15477E-05	3.16891E-05	8.38977E-05	8.34262E-05	8.75781E-05	9.24316E-05	4.45472E-05	8.38977E-05	7.81112E-05
9.09929E-05	3.1562E-05	8.37415E-05	8.39349E-05	8.71896E-05	9.19965E-05	4.45721E-05	8.37415E-05	7.86196E-05
9.13622E-05	3.08809E-05	8.47506E-05	8.3293E-05	8.78421E-05	9.27043E-05	4.47342E-05	8.47506E-05	7.79696E-05
9.36404E-05	3.10215E-05	8.68743E-05	8.80464E-05	9.00558E-05	9.5085E-05	4.54663E-05	8.68743E-05	8.18448E-05
0.000100528	3.28659E-05	9.28998E-05	8.55002E-05	9.65438E-05	0.000101988	4.82755E-05	9.28998E-05	7.92671E-05
0.000110869	3.55398E-05	0.000101971	8.37308E-05	0.000106297	0.00011237	5.24521E-05	0.000101971	7.74749E-05
0.000120589	4.13666E-05	0.000108988	8.23196E-05	0.000114747	0.000121222	5.73443E-05	0.000108988	7.60486E-05
0.000127304	4.97007E-05	0.000112249	6.84332E-05	0.000119804	0.000126296	6.22531E-05	0.000112249	6.38819E-05
0.000126446	5.31371E-05	0.000110106	5.72288E-05	0.000118315	0.000124535	6.31736E-05	0.000110106	5.44471E-05
0.000123845	5.226E-05	0.000105674	4.96759E-05	0.000114975	0.000121016	6.14168E-05	0.000105674	4.77514E-05
0.000117182	4.7435E-05	9.85295E-05	4.4554E-05	0.00010824	0.000114038	5.68344E-05	9.85295E-05	4.35268E-05
0.000105459	4.04759E-05	8.98936E-05	4.32481E-05	9.7976E-05	0.000103291	5.08516E-05	8.98936E-05	4.22089E-05
9.61914E-05	3.28343E-05	8.41894E-05	4.23095E-05	9.03863E-05	9.54373E-05	4.56045E-05	8.41894E-05	4.12623E-05
8.22594E-05	2.45993E-05	7.37266E-05	4.25104E-05	7.81057E-05	8.25873E-05	3.83719E-05	7.37266E-05	4.14941E-05
7.98663E-05	2.16353E-05	7.28434E-05	4.28944E-05	7.64174E-05	8.08827E-05	3.6828E-05	7.28434E-05	4.18866E-05
7.93941E-05	2.06245E-05	7.32163E-05	4.38803E-05	7.63212E-05	8.07953E-05	3.66543E-05	7.32163E-05	4.28918E-05
8.26145E-05	2.10698E-05	7.67696E-05	4.59813E-05	7.96688E-05	8.43415E-05	3.82407E-05	7.67696E-05	4.50237E-05
9.00637E-05	2.3517E-05	8.37417E-05	4.83965E-05	8.68585E-05	9.19307E-05	4.1889E-05	8.37417E-05	4.74714E-05
9.93599E-05	2.70623E-05	9.17184E-05	4.85303E-05	9.55194E-05	0.00010108	4.62236E-05	9.17184E-05	4.75784E-05
0.000102156	3.09408E-05	9.61652E-05	8.93492E-05	9.88903E-05	0.00010443	4.9779E-05	9.61652E-05	8.32403E-05
9.96145E-05	3.22521E-05	9.59313E-05	8.76971E-05	9.72636E-05	0.000102545	5.04423E-05	9.59313E-05	8.1533E-05
9.67807E-05	3.24028E-05	9.28336E-05	8.78783E-05	9.43135E-05	9.93788E-05	4.94042E-05	9.28336E-05	8.17074E-05
9.47151E-05	3.25556E-05	8.88927E-05	8.81074E-05	9.14722E-05	9.64367E-05	4.74579E-05	8.88927E-05	8.19292E-05
9.35129E-05	3.27974E-05	8.63061E-05	8.89523E-05	8.9694E-05	9.45988E-05	4.62083E-05	8.63061E-05	8.27744E-05
9.15477E-05	3.16891E-05	8.38977E-05	8.34262E-05	8.75781E-05	9.24316E-05	4.45472E-05	8.38977E-05	7.81112E-05
9.09929E-05	3.1562E-05	8.37415E-05	8.39349E-05	8.71896E-05	9.19965E-05	4.45721E-05	8.37415E-05	7.86196E-05
9.13622E-05	3.08809E-05	8.47506E-05	8.3293E-05	8.78421E-05	9.27043E-05	4.47342E-05	8.47506E-05	7.79696E-05
9.36404E-05	3.10215E-05	8.68743E-05	8.80464E-05	9.00558E-05	9.5085E-05	4.54663E-05	8.68743E-05	8.18448E-05
0.000100528	3.28659E-05	9.28998E-05	8.55002E-05	9.65438E-05	0.000101988	4.82755E-05	9.28998E-05	7.92671E-05
0.000110869	3.55398E-05	0.000101971	8.37308E-05	0.000106297	0.00011237	5.24521E-05	0.000101971	7.74749E-05
0.000120589	4.13666E-05	0.000108988	8.23196E-05	0.000114747	0.000121222	5.73443E-05	0.000108988	7.60486E-05
0.000127304	4.97007E-05	0.000112249	6.84332E-05	0.000119804	0.000126296	6.22531E-05	0.000112249	6.38819E-05

0.000126446	5.31371E-05	0.000110106	5.72288E-05	0.000118315	0.000124535	6.31736E-05	0.000110106	5.44471E-05
0.000123845	5.226E-05	0.000105674	4.96759E-05	0.000114975	0.000121016	6.14168E-05	0.000105674	4.77514E-05
0.000117182	4.7435E-05	9.85295E-05	4.4554E-05	0.00010824	0.000114038	5.68344E-05	9.85295E-05	4.35268E-05
0.000105459	4.04759E-05	8.98936E-05	4.32481E-05	9.7976E-05	0.000103291	5.08516E-05	8.98936E-05	4.22089E-05
9.61914E-05	3.28343E-05	8.41894E-05	4.23095E-05	9.03863E-05	9.54373E-05	4.56045E-05	8.41894E-05	4.12623E-05
8.22594E-05	2.45993E-05	7.37266E-05	4.25104E-05	7.81057E-05	8.25873E-05	3.83719E-05	7.37266E-05	4.14941E-05
7.98663E-05	2.16353E-05	7.28434E-05	4.28944E-05	7.64174E-05	8.08827E-05	3.6828E-05	7.28434E-05	4.18866E-05
7.93941E-05	2.06245E-05	7.32163E-05	4.38803E-05	7.63212E-05	8.07953E-05	3.66543E-05	7.32163E-05	4.28918E-05
8.26145E-05	2.10698E-05	7.67696E-05	4.59813E-05	7.96688E-05	8.43415E-05	3.82407E-05	7.67696E-05	4.50237E-05
9.00637E-05	2.3517E-05	8.37417E-05	4.83965E-05	8.68585E-05	9.19307E-05	4.1889E-05	8.37417E-05	4.74714E-05
9.93599E-05	2.70623E-05	9.17184E-05	4.85303E-05	9.55194E-05	0.00010108	4.62236E-05	9.17184E-05	4.75784E-05
0.000102156	3.09408E-05	9.61652E-05	8.93492E-05	9.88903E-05	0.00010443	4.9779E-05	9.61652E-05	8.32403E-05
9.96145E-05	3.22521E-05	9.59313E-05	8.76971E-05	9.72636E-05	0.000102545	5.04423E-05	9.59313E-05	8.1533E-05
9.67807E-05	3.24028E-05	9.28336E-05	8.78783E-05	9.43135E-05	9.93788E-05	4.94042E-05	9.28336E-05	8.17074E-05
9.47151E-05	3.25556E-05	8.88927E-05	8.81074E-05	9.14722E-05	9.64367E-05	4.74579E-05	8.88927E-05	8.19292E-05
9.35129E-05	3.27974E-05	8.63061E-05	8.89523E-05	8.9694E-05	9.45988E-05	4.62083E-05	8.63061E-05	8.27744E-05
9.15477E-05	3.16891E-05	8.38977E-05	8.34262E-05	8.75781E-05	9.24316E-05	4.45472E-05	8.38977E-05	7.81112E-05
9.09929E-05	3.1562E-05	8.37415E-05	8.39349E-05	8.71896E-05	9.19965E-05	4.45721E-05	8.37415E-05	7.86196E-05
9.13622E-05	3.08809E-05	8.47506E-05	8.3293E-05	8.78421E-05	9.27043E-05	4.47342E-05	8.47506E-05	7.79696E-05
9.36404E-05	3.10215E-05	8.68743E-05	8.80464E-05	9.00558E-05	9.5085E-05	4.54663E-05	8.68743E-05	8.18448E-05
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0.000110869	3.55398E-05	0.000101971	8.37308E-05	0.000106297	0.00011237	5.24521E-05	0.000101971	7.74749E-05
0.000120589	4.13666E-05	0.000108988	8.23196E-05	0.000114747	0.000121222	5.73443E-05	0.000108988	7.60486E-05
0.000127304	4.97007E-05	0.000112249	6.84332E-05	0.000119804	0.000126296	6.22531E-05	0.000112249	6.38819E-05
0.000126446	5.31371E-05	0.000110106	5.72288E-05	0.000118315	0.000124535	6.31736E-05	0.000110106	5.44471E-05
0.000123845	5.226E-05	0.000105674	4.96759E-05	0.000114975	0.000121016	6.14168E-05	0.000105674	4.77514E-05
0.000117182	4.7435E-05	9.85295E-05	4.4554E-05	0.00010824	0.000114038	5.68344E-05	9.85295E-05	4.35268E-05
0.000105459	4.04759E-05	8.98936E-05	4.32481E-05	9.7976E-05	0.000103291	5.08516E-05	8.98936E-05	4.22089E-05
9.61914E-05	3.28343E-05	8.41894E-05	4.23095E-05	9.03863E-05	9.54373E-05	4.56045E-05	8.41894E-05	4.12623E-05
8.22594E-05	2.45993E-05	7.37266E-05	4.25104E-05	7.81057E-05	8.25873E-05	3.83719E-05	7.37266E-05	4.14941E-05
7.98663E-05	2.16353E-05	7.28434E-05	4.28944E-05	7.64174E-05	8.08827E-05	3.6828E-05	7.28434E-05	4.18866E-05
7.93941E-05	2.06245E-05	7.32163E-05	4.38803E-05	7.63212E-05	8.07953E-05	3.66543E-05	7.32163E-05	4.28918E-05
8.26145E-05	2.10698E-05	7.67696E-05	4.59813E-05	7.96688E-05	8.43415E-05	3.82407E-05	7.67696E-05	4.50237E-05
9.00637E-05	2.3517E-05	8.37417E-05	4.83965E-05	8.68585E-05	9.19307E-05	4.1889E-05	8.37417E-05	4.74714E-05
9.93599E-05	2.70623E-05	9.17184E-05	4.85303E-05	9.55194E-05	0.00010108	4.62236E-05	9.17184E-05	4.75784E-05
0.000102156	3.09408E-05	9.61652E-05	8.93492E-05	9.88903E-05	0.00010443	4.9779E-05	9.61652E-05	8.32403E-05
9.96145E-05	3.22521E-05	9.59313E-05	8.76971E-05	9.72636E-05	0.000102545	5.04423E-05	9.59313E-05	8.1533E-05
9.67807E-05	3.24028E-05	9.28336E-05	8.78783E-05	9.43135E-05	9.93788E-05	4.94042E-05	9.28336E-05	8.17074E-05
9.47151E-05	3.25556E-05	8.88927E-05	8.81074E-05	9.14722E-05	9.64367E-05	4.74579E-05	8.88927E-05	8.19292E-05
9.35129E-05	3.27974E-05	8.63061E-05	8.89523E-05	8.9694E-05	9.45988E-05	4.62083E-05	8.63061E-05	8.27744E-05
9.15477E-05	3.16891E-05	8.38977E-05	8.34262E-05	8.75781E-05	9.24316E-05	4.45472E-05	8.38977E-05	7.81112E-05
9.09929E-05	3.1562E-05	8.37415E-05	8.39349E-05	8.71896E-05	9.19965E-05	4.45721E-05	8.37415E-05	7.86196E-05
9.13622E-05	3.08809E-05	8.47506E-05	8.3293E-05	8.78421E-05	9.27043E-05	4.47342E-05	8.47506E-05	7.79696E-05
9.36404E-05	3.10215E-05	8.68743E-05	8.80464E-05	9.00558E-05	9.5085E-05	4.54663E-05	8.68743E-05	8.18448E-05
0.000100528	3.28659E-05	9.28998E-05	8.55002E-05	9.65438E-05	0.000101988	4.82755E-05	9.28998E-05	7.92671E-05
0.000110869	3.55398E-05	0.000101971	8.37308E-05	0.000106297	0.00011237	5.24521E-05	0.000101971	7.74749E-05
0.000120589	4.13666E-05	0.000108988	8.23196E-05	0.000114747	0.000121222	5.73443E-05	0.000108988	7.60486E-05
0.000127304	4.97007E-05	0.000112249	6.84332E-05	0.000119804	0.000126296	6.22531E-05	0.000112249	6.38819E-05
0.000126446	5.31371E-05	0.000110106	5.72288E-05	0.000118315	0.000124535	6.31736E-05	0.000110106	5.44471E-05
0.000123845	5.226E-05	0.000105674	4.96759E-05	0.000114975	0.000121016	6.14168E-05	0.000105674	4.77514E-05
0.000117182	4.7435E-05	9.85295E-05	4.4554E-05	0.00010824	0.000114038	5.68344E-05	9.85295E-05	4.35268E-05
0.000105459	4.04759E-05	8.98936E-05	4.32481E-05	9.7976E-05	0.000103291	5.08516E-05	8.98936E-05	4.22089E-05
9.61914E-05	3.28343E-05	8.41894E-05	4.23095E-05	9.03863E-05	9.54373E-05	4.56045E-05	8.41894E-05	4.12623E-05
8.31935E-05	2.47647E-05	7.45284E-05	4.21208E-05	7.89818E-05	8.35264E-05	3.86892E-05	7.45284E-05	4.10965E-05
7.97336E-05	2.16266E-05	7.2796E-05	4.29653E-05	7.63197E-05	8.07726E-05	3.68402E-05	7.2796E-05	4.196E-05
7.92975E-05	2.06236E-05	7.32065E-05	4.39847E-05	7.62601E-05	8.07239E-05	3.66844E-05	7.32065E-05	4.29991E-05
8.25566E-05	2.109E-05	7.68571E-05	4.61324E-05	7.96698E-05	8.43315E-05	3.83391E-05	7.68571E-05	4.51782E-05
9.00235E-05	2.35282E-05	8.37896E-05	4.85991E-05	8.6854E-05	9.19192E-05	4.19463E-05	8.37896E-05	4.7678E-05
9.9224E-05	2.70432E-05	9.16241E-05	4.88462E-05	9.5401E-05	0.000100951	4.61967E-05	9.16241E-05	4.78995E-05
0.000103565	3.0949E-05	9.61081E-05	8.99183E-05	9.96938E-05	0.000105328	4.97378E-05	9.61081E-05	8.38181E-05
9.91478E-05	3.21623E-05	9.54983E-05	8.85196E-05	9.68128E-05	0.000102064	5.02559E-05	9.54983E-05	8.23672E-05
9.598E-05	3.22869E-05	9.22623E-05	8.86992E-05	9.36092E-05	9.86145E-05	4.92322E-05	9.22623E-05	8.25392E-05
9.35499E-05	3.23378E-05	8.78404E-05	8.88836E-05	9.03584E-05	9.52468E-05	4.70173E-05	8.78404E-05	8.27149E-05
9.20364E-05	3.25297E-05	8.50102E-05	8.97027E-05	8.82976E-05	9.31043E-05	4.56824E-05	8.50102E-05	8.3533E-05
9.0016E-05	3.14212E-05	8.25976E-05	8.41867E-05	8.61473E-05	9.08967E-05	4.40396E-05	8.25976E-05	7.88793E-05
8.95726E-05	3.12967E-05	8.246E-05	8.4697E-05	8.58324E-05	9.05466E-05	4.40361E-05	8.246E-05	7.93879E-05
8.96503E-05	3.05708E-05	8.32491E-05	8.38976E-05	8.62235E-05	9.09718E-05	4.41253E-05	8.32491E-05	7.85778E-05
9.25842E-05	3.083E-05	8.59472E-05	8.85446E-05	8.90568E-05	9.40159E-05	4.509E-05	8.59472E-05	8.23453E-05
9.95539E-05	3.26506E-05	9.18704E-05	8.59082E-05	9.5552E-05	0.00010094	4.77784E-05	9.18704E-05	7.96771E-05
0.000110225	3.53917E-05	0.000101265	8.40666E-05	0.000105632	0.000111669	5.21012E-05	0.000101265	7.78127E-05
0.000119721	4.11704E-05	0.000108052	8.25829E-05	0.000113856	0.000120281	5.68849E-05	0.000108052	7.6314E-05
0.000126514	4.9536E-05	0.00011146	6.86816E-05	0.000119019	0.000125462	6.18887E-05	0.00011146	6.41326E-05
0.000125693	5.29671E-05	0.000109295	5.7459E-05	0.000117543	0.00012372	6.27755E-05	0.000109295	5.46801E-05
0.000121455	5.20378E-05	0.000104708	4.98736E-05	0.000113179	0.000119068	6.09684E-05	0.000104708	4.79517E-05
0.000116449	4.72731E-05	9.77557E-05	4.47173E-05	0.000107494	0.00011325	5.6461E-05	9.77557E-05	4.36925E-05
0.000104931	4.03446E-05	8.927E-05	4.32914E-05	9.74118E-05	0.0001027	5.05258E-05	8.927E-05	4.22524E-05

9.58163E-05	3.27435E-05	8.37578E-05	4.21905E-05	8.99903E-05	9.50217E-05	4.53827E-05	8.37578E-05	4.11412E-05
8.31935E-05	2.47647E-05	7.45284E-05	4.21208E-05	7.89818E-05	8.35264E-05	3.86892E-05	7.45284E-05	4.10965E-05
7.97336E-05	2.16266E-05	7.2796E-05	4.29653E-05	7.63197E-05	8.07726E-05	3.68402E-05	7.2796E-05	4.196E-05
7.92975E-05	2.06236E-05	7.32065E-05	4.39847E-05	7.62601E-05	8.07239E-05	3.66844E-05	7.32065E-05	4.29991E-05
8.25566E-05	2.109E-05	7.68571E-05	4.61324E-05	7.96698E-05	8.43315E-05	3.83391E-05	7.68571E-05	4.51782E-05
9.00235E-05	2.35282E-05	8.37896E-05	4.85991E-05	8.6854E-05	9.19192E-05	4.19463E-05	8.37896E-05	4.7678E-05
9.9224E-05	2.70432E-05	9.16241E-05	4.88462E-05	9.5401E-05	0.000100951	4.61967E-05	9.16241E-05	4.78995E-05
0.000103565	3.0949E-05	9.61081E-05	8.99183E-05	9.96938E-05	0.000105328	4.97378E-05	9.61081E-05	8.38181E-05
9.91478E-05	3.21623E-05	9.54983E-05	8.85196E-05	9.68128E-05	0.000102064	5.02559E-05	9.54983E-05	8.23672E-05
9.598E-05	3.22869E-05	9.22623E-05	8.86992E-05	9.36092E-05	9.86145E-05	4.92322E-05	9.22623E-05	8.25392E-05
9.35499E-05	3.23378E-05	8.78404E-05	8.88836E-05	9.03584E-05	9.52468E-05	4.70173E-05	8.78404E-05	8.27149E-05
9.20364E-05	3.25297E-05	8.50102E-05	8.97027E-05	8.82976E-05	9.31043E-05	4.56824E-05	8.50102E-05	8.3533E-05
9.0016E-05	3.14212E-05	8.25976E-05	8.41867E-05	8.61473E-05	9.08967E-05	4.40396E-05	8.25976E-05	7.88793E-05
8.95726E-05	3.12967E-05	8.246E-05	8.4697E-05	8.58324E-05	9.05466E-05	4.40361E-05	8.246E-05	7.93879E-05
8.96503E-05	3.05708E-05	8.32491E-05	8.38976E-05	8.62235E-05	9.09718E-05	4.41253E-05	8.32491E-05	7.85778E-05
9.25842E-05	3.083E-05	8.59472E-05	8.85446E-05	8.90568E-05	9.40159E-05	4.509E-05	8.59472E-05	8.23453E-05
9.95539E-05	3.26506E-05	9.18704E-05	8.59082E-05	9.5552E-05	0.00010094	4.77784E-05	9.18704E-05	7.96771E-05
0.000110225	3.53917E-05	0.000101265	8.40666E-05	0.000105632	0.000111669	5.21012E-05	0.000101265	7.78127E-05
0.000119721	4.11704E-05	0.000108052	8.25829E-05	0.000113856	0.000120281	5.68849E-05	0.000108052	7.6314E-05
0.000126514	4.9536E-05	0.00011146	6.86816E-05	0.000119019	0.000125462	6.18887E-05	0.00011146	6.41326E-05
0.000125693	5.29671E-05	0.000109295	5.7459E-05	0.000117543	0.00012372	6.27755E-05	0.000109295	5.46801E-05
0.000121455	5.20378E-05	0.000104708	4.98736E-05	0.000113179	0.000119068	6.09684E-05	0.000104708	4.79517E-05
0.000116449	4.72731E-05	9.77557E-05	4.47173E-05	0.000107494	0.00011325	5.6461E-05	9.77557E-05	4.36925E-05
0.000104931	4.03446E-05	8.927E-05	4.32914E-05	9.74118E-05	0.0001027	5.05258E-05	8.927E-05	4.22524E-05
9.58163E-05	3.27435E-05	8.37578E-05	4.21905E-05	8.99903E-05	9.50217E-05	4.53827E-05	8.37578E-05	4.11412E-05
8.22594E-05	2.45993E-05	7.37266E-05	4.25104E-05	7.81057E-05	8.25873E-05	3.83719E-05	7.37266E-05	4.14941E-05
7.98663E-05	2.16353E-05	7.28434E-05	4.28944E-05	7.64174E-05	8.08827E-05	3.6828E-05	7.28434E-05	4.18866E-05
7.93941E-05	2.06245E-05	7.32163E-05	4.38803E-05	7.63212E-05	8.07953E-05	3.66543E-05	7.32163E-05	4.28918E-05
8.26145E-05	2.10698E-05	7.67696E-05	4.59813E-05	7.96688E-05	8.43415E-05	3.82407E-05	7.67696E-05	4.50237E-05
9.00637E-05	2.3517E-05	8.37417E-05	4.83965E-05	8.68585E-05	9.19307E-05	4.1889E-05	8.37417E-05	4.74714E-05
9.93599E-05	2.70623E-05	9.17184E-05	4.85303E-05	9.55194E-05	0.00010108	4.62236E-05	9.17184E-05	4.75784E-05
0.000102156	3.09408E-05	9.61652E-05	8.93492E-05	9.88903E-05	0.00010443	4.9779E-05	9.61652E-05	8.32403E-05
9.96145E-05	3.22521E-05	9.59313E-05	8.76971E-05	9.72636E-05	0.000102545	5.04423E-05	9.59313E-05	8.1533E-05
9.67807E-05	3.24028E-05	9.28336E-05	8.78783E-05	9.43135E-05	9.93788E-05	4.94042E-05	9.28336E-05	8.17074E-05
9.47151E-05	3.25556E-05	8.88927E-05	8.81074E-05	9.14722E-05	9.64367E-05	4.74579E-05	8.88927E-05	8.19292E-05
9.35129E-05	3.27974E-05	8.63061E-05	8.89523E-05	8.9694E-05	9.45988E-05	4.62083E-05	8.63061E-05	8.27744E-05
9.15477E-05	3.16891E-05	8.38977E-05	8.34262E-05	8.75781E-05	9.24316E-05	4.45472E-05	8.38977E-05	7.81112E-05
9.09929E-05	3.1562E-05	8.37415E-05	8.39349E-05	8.71896E-05	9.19965E-05	4.45721E-05	8.37415E-05	7.86196E-05
9.13622E-05	3.08809E-05	8.47506E-05	8.3293E-05	8.78421E-05	9.27043E-05	4.47342E-05	8.47506E-05	7.79696E-05
9.36404E-05	3.10215E-05	8.68743E-05	8.80464E-05	9.00558E-05	9.5085E-05	4.54663E-05	8.68743E-05	8.18448E-05
0.000100528	3.28659E-05	9.28998E-05	8.55002E-05	9.65438E-05	0.000101988	4.82755E-05	9.28998E-05	7.92671E-05
0.000110869	3.55398E-05	0.000101971	8.37308E-05	0.000106297	0.00011237	5.24521E-05	0.000101971	7.74749E-05
0.000120589	4.13666E-05	0.000108988	8.23196E-05	0.000114747	0.000121222	5.73443E-05	0.000108988	7.60486E-05
0.000127304	4.97007E-05	0.000112249	6.84332E-05	0.000119804	0.000126296	6.22531E-05	0.000112249	6.38819E-05
0.000126446	5.31371E-05	0.000110106	5.72288E-05	0.000118315	0.000124535	6.31736E-05	0.000110106	5.44471E-05
0.000123845	5.226E-05	0.000105674	4.96759E-05	0.000114975	0.000121016	6.14168E-05	0.000105674	4.77514E-05
0.000117182	4.7435E-05	9.85295E-05	4.4554E-05	0.00010824	0.000114038	5.68344E-05	9.85295E-05	4.35268E-05
0.000105459	4.04759E-05	8.98936E-05	4.32481E-05	9.7976E-05	0.000103291	5.08516E-05	8.98936E-05	4.22089E-05
9.61914E-05	3.28343E-05	8.41894E-05	4.23095E-05	9.03863E-05	9.54373E-05	4.56045E-05	8.41894E-05	4.12623E-05
8.22594E-05	2.45993E-05	7.37266E-05	4.25104E-05	7.81057E-05	8.25873E-05	3.83719E-05	7.37266E-05	4.14941E-05
7.98663E-05	2.16353E-05	7.28434E-05	4.28944E-05	7.64174E-05	8.08827E-05	3.6828E-05	7.28434E-05	4.18866E-05
7.93941E-05	2.06245E-05	7.32163E-05	4.38803E-05	7.63212E-05	8.07953E-05	3.66543E-05	7.32163E-05	4.28918E-05
8.26145E-05	2.10698E-05	7.67696E-05	4.59813E-05	7.96688E-05	8.43415E-05	3.82407E-05	7.67696E-05	4.50237E-05
9.00637E-05	2.3517E-05	8.37417E-05	4.83965E-05	8.68585E-05	9.19307E-05	4.1889E-05	8.37417E-05	4.74714E-05
9.93599E-05	2.70623E-05	9.17184E-05	4.85303E-05	9.55194E-05	0.00010108	4.62236E-05	9.17184E-05	4.75784E-05
0.000102156	3.09408E-05	9.61652E-05	8.93492E-05	9.88903E-05	0.00010443	4.9779E-05	9.61652E-05	8.32403E-05
9.96145E-05	3.22521E-05	9.59313E-05	8.76971E-05	9.72636E-05	0.000102545	5.04423E-05	9.59313E-05	8.1533E-05
9.67807E-05	3.24028E-05	9.28336E-05	8.78783E-05	9.43135E-05	9.93788E-05	4.94042E-05	9.28336E-05	8.17074E-05
9.47151E-05	3.25556E-05	8.88927E-05	8.81074E-05	9.14722E-05	9.64367E-05	4.74579E-05	8.88927E-05	8.19292E-05
9.35129E-05	3.27974E-05	8.63061E-05	8.89523E-05	8.9694E-05	9.45988E-05	4.62083E-05	8.63061E-05	8.27744E-05
9.15477E-05	3.16891E-05	8.38977E-05	8.34262E-05	8.75781E-05	9.24316E-05	4.45472E-05	8.38977E-05	7.81112E-05
9.09929E-05	3.1562E-05	8.37415E-05	8.39349E-05	8.71896E-05	9.19965E-05	4.45721E-05	8.37415E-05	7.86196E-05
9.13622E-05	3.08809E-05	8.47506E-05	8.3293E-05	8.78421E-05	9.27043E-05	4.47342E-05	8.47506E-05	7.79696E-05
9.36404E-05	3.10215E-05	8.68743E-05	8.80464E-05	9.00558E-05	9.5085E-05	4.54663E-05	8.68743E-05	8.18448E-05
0.000100528	3.28659E-05	9.28998E-05	8.55002E-05	9.65438E-05	0.000101988	4.82755E-05	9.28998E-05	7.92671E-05
0.000110869	3.55398E-05	0.000101971	8.37308E-05	0.000106297	0.00011237	5.24521E-05	0.000101971	7.74749E-05
0.000120589	4.13666E-05	0.000108988	8.23196E-05	0.000114747	0.000121222	5.73443E-05	0.000108988	7.60486E-05
0.000127304	4.97007E-05	0.000112249	6.84332E-05	0.000119804	0.000126296	6.22531E-05	0.000112249	6.38819E-05
0.000126446	5.31371E-05	0.000110106	5.72288E-05	0.000118315	0.000124535	6.31736E-05	0.000110106	5.44471E-05
0.000123845	5.226E-05	0.000105674	4.96759E-05	0.000114975	0.000121016	6.14168E-05	0.000105674	4.77514E-05
0.000117182	4.7435E-05	9.85295E-05	4.4554E-05	0.00010824	0.000114038	5.68344E-05	9.85295E-05	4.35268E-05
0.000105459	4.04759E-05	8.98936E-05	4.32481E-05	9.7976E-05	0.000103291	5.08516E-05	8.98936E-05	4.22089E-05
9.61914E-05	3.28343E-05	8.41894E-05	4.23095E-05	9.03863E-05	9.54373E-05	4.56045E-05	8.41894E-05	4.12623E-05
8.22594E-05	2.45993E-05	7.37266E-05	4.25104E-05	7.81057E-05	8.25873E-05	3.83719E-05	7.37266E-05	4.14941E-05
7.98663E-05	2.16353E-05	7.28434E-05	4.28944E-05	7.64174E-05	8.08827E-05	3.6828E-05	7.28434E-05	4.18866E-05
7.93941E-05	2.06245E-05	7.32163E-05	4.38803E-05	7.63212E-05	8.07953E-05	3.66543E-05	7.32163E-05	4.28918E-05

8.26145E-05	2.10698E-05	7.67696E-05	4.59813E-05	7.96688E-05	8.43415E-05	3.82407E-05	7.67696E-05	4.50237E-05
9.00637E-05	2.3517E-05	8.37417E-05	4.83965E-05	8.68585E-05	9.19307E-05	4.1889E-05	8.37417E-05	4.74714E-05
9.93599E-05	2.70623E-05	9.17184E-05	4.85303E-05	9.55194E-05	0.00010108	4.62236E-05	9.17184E-05	4.75784E-05
0.000102156	3.09408E-05	9.61652E-05	8.93492E-05	9.88903E-05	0.00010443	4.9779E-05	9.61652E-05	8.32403E-05
9.96145E-05	3.22521E-05	9.59313E-05	8.76971E-05	9.72636E-05	0.000102545	5.04423E-05	9.59313E-05	8.1533E-05
9.67807E-05	3.24028E-05	9.28336E-05	8.78783E-05	9.43135E-05	9.93788E-05	4.94042E-05	9.28336E-05	8.17074E-05
9.47151E-05	3.25556E-05	8.88927E-05	8.81074E-05	9.14722E-05	9.64367E-05	4.74579E-05	8.88927E-05	8.19292E-05
9.35129E-05	3.27974E-05	8.63061E-05	8.89523E-05	8.9694E-05	9.45988E-05	4.62083E-05	8.63061E-05	8.27744E-05
9.15477E-05	3.16891E-05	8.38977E-05	8.34262E-05	8.75781E-05	9.24316E-05	4.45472E-05	8.38977E-05	7.81112E-05
9.09929E-05	3.1562E-05	8.37415E-05	8.39349E-05	8.71896E-05	9.19965E-05	4.45721E-05	8.37415E-05	7.86196E-05
9.13622E-05	3.08809E-05	8.47506E-05	8.3293E-05	8.78421E-05	9.27043E-05	4.47342E-05	8.47506E-05	7.79696E-05
9.36404E-05	3.10215E-05	8.68743E-05	8.80464E-05	9.00558E-05	9.5085E-05	4.54663E-05	8.68743E-05	8.18448E-05
0.000100528	3.28659E-05	9.28998E-05	8.55002E-05	9.65438E-05	0.000101988	4.82755E-05	9.28998E-05	7.92671E-05
0.000110869	3.55398E-05	0.000101971	8.37308E-05	0.000106297	0.00011237	5.24521E-05	0.000101971	7.74749E-05
0.000120589	4.13666E-05	0.000108988	8.23196E-05	0.000114747	0.000121222	5.73443E-05	0.000108988	7.60486E-05
0.000127304	4.97007E-05	0.000112249	6.84332E-05	0.000119804	0.000126296	6.22531E-05	0.000112249	6.38819E-05
0.000126446	5.31371E-05	0.000110106	5.72288E-05	0.000118315	0.000124535	6.31736E-05	0.000110106	5.44471E-05
0.000123845	5.226E-05	0.000105674	4.96759E-05	0.000114975	0.000121016	6.14168E-05	0.000105674	4.77514E-05
0.000117182	4.7435E-05	9.85295E-05	4.4554E-05	0.00010824	0.000114038	5.68344E-05	9.85295E-05	4.35268E-05
0.000105459	4.04759E-05	8.98936E-05	4.32481E-05	9.7976E-05	0.000103291	5.08516E-05	8.98936E-05	4.22089E-05
9.61914E-05	3.28343E-05	8.41894E-05	4.23095E-05	9.03863E-05	9.54373E-05	4.56045E-05	8.41894E-05	4.12623E-05
8.22594E-05	2.45993E-05	7.37266E-05	4.25104E-05	7.81057E-05	8.25873E-05	3.83719E-05	7.37266E-05	4.14941E-05
7.98663E-05	2.16353E-05	7.28434E-05	4.28944E-05	7.64174E-05	8.08827E-05	3.6828E-05	7.28434E-05	4.18866E-05
7.93941E-05	2.06245E-05	7.32163E-05	4.38803E-05	7.63212E-05	8.07953E-05	3.66543E-05	7.32163E-05	4.28918E-05
8.26145E-05	2.10698E-05	7.67696E-05	4.59813E-05	7.96688E-05	8.43415E-05	3.82407E-05	7.67696E-05	4.50237E-05
9.00637E-05	2.3517E-05	8.37417E-05	4.83965E-05	8.68585E-05	9.19307E-05	4.1889E-05	8.37417E-05	4.74714E-05
9.93599E-05	2.70623E-05	9.17184E-05	4.85303E-05	9.55194E-05	0.00010108	4.62236E-05	9.17184E-05	4.75784E-05
0.000102156	3.09408E-05	9.61652E-05	8.93492E-05	9.88903E-05	0.00010443	4.9779E-05	9.61652E-05	8.32403E-05
9.96145E-05	3.22521E-05	9.59313E-05	8.76971E-05	9.72636E-05	0.000102545	5.04423E-05	9.59313E-05	8.1533E-05
9.67807E-05	3.24028E-05	9.28336E-05	8.78783E-05	9.43135E-05	9.93788E-05	4.94042E-05	9.28336E-05	8.17074E-05
9.47151E-05	3.25556E-05	8.88927E-05	8.81074E-05	9.14722E-05	9.64367E-05	4.74579E-05	8.88927E-05	8.19292E-05
9.35129E-05	3.27974E-05	8.63061E-05	8.89523E-05	8.9694E-05	9.45988E-05	4.62083E-05	8.63061E-05	8.27744E-05
9.15477E-05	3.16891E-05	8.38977E-05	8.34262E-05	8.75781E-05	9.24316E-05	4.45472E-05	8.38977E-05	7.81112E-05
9.09929E-05	3.1562E-05	8.37415E-05	8.39349E-05	8.71896E-05	9.19965E-05	4.45721E-05	8.37415E-05	7.86196E-05
9.13622E-05	3.08809E-05	8.47506E-05	8.3293E-05	8.78421E-05	9.27043E-05	4.47342E-05	8.47506E-05	7.79696E-05
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0.000100528	3.28659E-05	9.28998E-05	8.55002E-05	9.65438E-05	0.000101988	4.82755E-05	9.28998E-05	7.92671E-05
0.000110869	3.55398E-05	0.000101971	8.37308E-05	0.000106297	0.00011237	5.24521E-05	0.000101971	7.74749E-05
0.000120589	4.13666E-05	0.000108988	8.23196E-05	0.000114747	0.000121222	5.73443E-05	0.000108988	7.60486E-05
0.000127304	4.97007E-05	0.000112249	6.84332E-05	0.000119804	0.000126296	6.22531E-05	0.000112249	6.38819E-05
0.000126446	5.31371E-05	0.000110106	5.72288E-05	0.000118315	0.000124535	6.31736E-05	0.000110106	5.44471E-05
0.000123845	5.226E-05	0.000105674	4.96759E-05	0.000114975	0.000121016	6.14168E-05	0.000105674	4.77514E-05
0.000117182	4.7435E-05	9.85295E-05	4.4554E-05	0.00010824	0.000114038	5.68344E-05	9.85295E-05	4.35268E-05
0.000105459	4.04759E-05	8.98936E-05	4.32481E-05	9.7976E-05	0.000103291	5.08516E-05	8.98936E-05	4.22089E-05
9.61914E-05	3.28343E-05	8.41894E-05	4.23095E-05	9.03863E-05	9.54373E-05	4.56045E-05	8.41894E-05	4.12623E-05
8.31935E-05	2.47647E-05	7.45284E-05	4.21208E-05	7.89818E-05	8.35264E-05	3.86892E-05	7.45284E-05	4.10965E-05
7.97336E-05	2.16266E-05	7.2796E-05	4.29653E-05	7.63197E-05	8.07726E-05	3.68402E-05	7.2796E-05	4.196E-05
7.92975E-05	2.06236E-05	7.32065E-05	4.39847E-05	7.62601E-05	8.07239E-05	3.66844E-05	7.32065E-05	4.29991E-05
8.25566E-05	2.109E-05	7.68571E-05	4.61324E-05	7.96698E-05	8.43315E-05	3.83391E-05	7.68571E-05	4.51782E-05
9.00235E-05	2.35282E-05	8.37896E-05	4.85991E-05	8.6854E-05	9.19192E-05	4.19463E-05	8.37896E-05	4.7678E-05
9.9224E-05	2.70432E-05	9.16241E-05	4.88462E-05	9.5401E-05	0.000100951	4.61967E-05	9.16241E-05	4.78995E-05
0.000103565	3.0949E-05	9.61081E-05	8.99183E-05	9.96938E-05	0.000105328	4.97378E-05	9.61081E-05	8.38181E-05
9.91478E-05	3.21623E-05	9.54983E-05	8.85196E-05	9.68128E-05	0.000102064	5.02559E-05	9.54983E-05	8.23672E-05
9.598E-05	3.22869E-05	9.22623E-05	8.86992E-05	9.36092E-05	9.86145E-05	4.92322E-05	9.22623E-05	8.25392E-05
9.35499E-05	3.23378E-05	8.78404E-05	8.88836E-05	9.03584E-05	9.52468E-05	4.70173E-05	8.78404E-05	8.27149E-05
9.20364E-05	3.25297E-05	8.50102E-05	8.97027E-05	8.82976E-05	9.31043E-05	4.56824E-05	8.50102E-05	8.3533E-05
9.0016E-05	3.14212E-05	8.25976E-05	8.41867E-05	8.61473E-05	9.08967E-05	4.40396E-05	8.25976E-05	7.88793E-05
8.95726E-05	3.12967E-05	8.246E-05	8.4697E-05	8.58324E-05	9.05466E-05	4.40361E-05	8.246E-05	7.93879E-05
8.96503E-05	3.05708E-05	8.32491E-05	8.38976E-05	8.62235E-05	9.09718E-05	4.41253E-05	8.32491E-05	7.85778E-05
9.25842E-05	3.083E-05	8.59472E-05	8.85446E-05	8.90568E-05	9.40159E-05	4.509E-05	8.59472E-05	8.23453E-05
9.95539E-05	3.26506E-05	9.18704E-05	8.59082E-05	9.5552E-05	0.00010094	4.77784E-05	9.18704E-05	7.96771E-05
0.000110225	3.53917E-05	0.000101265	8.40666E-05	0.000105632	0.000111669	5.21012E-05	0.000101265	7.78127E-05
0.000119721	4.11704E-05	0.000108052	8.25829E-05	0.000113856	0.000120281	5.68849E-05	0.000108052	7.6314E-05
0.000126514	4.9536E-05	0.00011146	6.86816E-05	0.000119019	0.000125462	6.18887E-05	0.00011146	6.41326E-05
0.000125693	5.29671E-05	0.000109295	5.7459E-05	0.000117543	0.00012372	6.27755E-05	0.000109295	5.46801E-05
0.000121455	5.20378E-05	0.000104708	4.98736E-05	0.000113179	0.000119068	6.09684E-05	0.000104708	4.79517E-05
0.000116449	4.72731E-05	9.77557E-05	4.47173E-05	0.000107494	0.00011325	5.6461E-05	9.77557E-05	4.36925E-05
0.000104931	4.03446E-05	8.927E-05	4.32914E-05	9.74118E-05	0.0001027	5.05258E-05	8.927E-05	4.22524E-05
9.58163E-05	3.27435E-05	8.37578E-05	4.21905E-05	8.99903E-05	9.50217E-05	4.53827E-05	8.37578E-05	4.11412E-05
8.31935E-05	2.47647E-05	7.45284E-05	4.21208E-05	7.89818E-05	8.35264E-05	3.86892E-05	7.45284E-05	4.10965E-05
7.97336E-05	2.16266E-05	7.2796E-05	4.29653E-05	7.63197E-05	8.07726E-05	3.68402E-05	7.2796E-05	4.196E-05
7.92975E-05	2.06236E-05	7.32065E-05	4.39847E-05	7.62601E-05	8.07239E-05	3.66844E-05	7.32065E-05	4.29991E-05
8.25566E-05	2.109E-05	7.68571E-05	4.61324E-05	7.96698E-05	8.43315E-05	3.83391E-05	7.68571E-05	4.51782E-05
9.00235E-05	2.35282E-05	8.37896E-05	4.85991E-05	8.6854E-05	9.19192E-05	4.19463E-05	8.37896E-05	4.7678E-05
9.9224E-05	2.70432E-05	9.16241E-05	4.88462E-05	9.5401E-05	0.000100951	4.61967E-05	9.16241E-05	4.78995E-05
0.000103565	3.0949E-05	9.61081E-05	8.99183E-05	9.96938E-05	0.000105328	4.97378E-05	9.61081E-05	8.38181E-05

9.91478E-05	3.21623E-05	9.54983E-05	8.85196E-05	9.68128E-05	0.000102064	5.02559E-05	9.54983E-05	8.23672E-05
9.598E-05	3.22869E-05	9.22623E-05	8.86992E-05	9.36092E-05	9.86145E-05	4.92322E-05	9.22623E-05	8.25392E-05
9.35499E-05	3.23378E-05	8.78404E-05	8.88836E-05	9.03584E-05	9.52468E-05	4.70173E-05	8.78404E-05	8.27149E-05
9.20364E-05	3.25297E-05	8.50102E-05	8.97027E-05	8.82976E-05	9.31043E-05	4.56824E-05	8.50102E-05	8.3533E-05
9.0016E-05	3.14212E-05	8.25976E-05	8.41867E-05	8.61473E-05	9.08967E-05	4.40396E-05	8.25976E-05	7.88793E-05
8.95726E-05	3.12967E-05	8.246E-05	8.4697E-05	8.58324E-05	9.05466E-05	4.40361E-05	8.246E-05	7.93879E-05
8.96503E-05	3.05708E-05	8.32491E-05	8.38976E-05	8.62235E-05	9.09718E-05	4.41253E-05	8.32491E-05	7.85778E-05
9.25842E-05	3.083E-05	8.59472E-05	8.85446E-05	8.90568E-05	9.40159E-05	4.509E-05	8.59472E-05	8.23453E-05
9.95539E-05	3.26506E-05	9.18704E-05	8.59082E-05	9.5552E-05	0.00010094	4.77784E-05	9.18704E-05	7.96771E-05
0.000110225	3.53917E-05	0.000101265	8.40666E-05	0.000105632	0.000111669	5.21012E-05	0.000101265	7.78127E-05
0.000119721	4.11704E-05	0.000108052	8.25829E-05	0.000113856	0.000120281	5.68849E-05	0.000108052	7.6314E-05
0.000126514	4.9536E-05	0.00011146	6.86816E-05	0.000119019	0.000125462	6.18887E-05	0.00011146	6.41326E-05
0.000125693	5.29671E-05	0.000109295	5.7459E-05	0.000117543	0.00012372	6.27755E-05	0.000109295	5.46801E-05
0.000121455	5.20378E-05	0.000104708	4.98736E-05	0.000113179	0.000119068	6.09684E-05	0.000104708	4.79517E-05
0.000116449	4.72731E-05	9.77557E-05	4.47173E-05	0.000107494	0.00011325	5.6461E-05	9.77557E-05	4.36925E-05
0.000104931	4.03446E-05	8.927E-05	4.32914E-05	9.74118E-05	0.0001027	5.05258E-05	8.927E-05	4.22524E-05
9.58163E-05	3.27435E-05	8.37578E-05	4.21905E-05	8.99903E-05	9.50217E-05	4.53827E-05	8.37578E-05	4.11412E-05
8.31935E-05	2.47647E-05	7.45284E-05	4.21208E-05	7.89818E-05	8.35264E-05	3.86892E-05	7.45284E-05	4.10965E-05
7.97336E-05	2.16266E-05	7.2796E-05	4.29653E-05	7.63197E-05	8.07726E-05	3.68402E-05	7.2796E-05	4.196E-05
7.92975E-05	2.06236E-05	7.32065E-05	4.39847E-05	7.62601E-05	8.07239E-05	3.66844E-05	7.32065E-05	4.29991E-05
8.25566E-05	2.109E-05	7.68571E-05	4.61324E-05	7.96698E-05	8.43315E-05	3.83391E-05	7.68571E-05	4.51782E-05
9.00235E-05	2.35282E-05	8.37896E-05	4.85991E-05	8.6854E-05	9.19192E-05	4.19463E-05	8.37896E-05	4.7678E-05
9.9224E-05	2.70432E-05	9.16241E-05	4.88462E-05	9.5401E-05	0.000100951	4.61967E-05	9.16241E-05	4.78995E-05
0.000103565	3.0949E-05	9.61081E-05	8.99183E-05	9.96938E-05	0.000105328	4.97378E-05	9.61081E-05	8.38181E-05
9.91478E-05	3.21623E-05	9.54983E-05	8.85196E-05	9.68128E-05	0.000102064	5.02559E-05	9.54983E-05	8.23672E-05
9.598E-05	3.22869E-05	9.22623E-05	8.86992E-05	9.36092E-05	9.86145E-05	4.92322E-05	9.22623E-05	8.25392E-05
9.35499E-05	3.23378E-05	8.78404E-05	8.88836E-05	9.03584E-05	9.52468E-05	4.70173E-05	8.78404E-05	8.27149E-05
9.20364E-05	3.25297E-05	8.50102E-05	8.97027E-05	8.82976E-05	9.31043E-05	4.56824E-05	8.50102E-05	8.3533E-05
9.0016E-05	3.14212E-05	8.25976E-05	8.41867E-05	8.61473E-05	9.08967E-05	4.40396E-05	8.25976E-05	7.88793E-05
8.95726E-05	3.12967E-05	8.246E-05	8.4697E-05	8.58324E-05	9.05466E-05	4.40361E-05	8.246E-05	7.93879E-05
8.96503E-05	3.05708E-05	8.32491E-05	8.38976E-05	8.62235E-05	9.09718E-05	4.41253E-05	8.32491E-05	7.85778E-05
9.25842E-05	3.083E-05	8.59472E-05	8.85446E-05	8.90568E-05	9.40159E-05	4.509E-05	8.59472E-05	8.23453E-05
9.95539E-05	3.26506E-05	9.18704E-05	8.59082E-05	9.5552E-05	0.00010094	4.77784E-05	9.18704E-05	7.96771E-05
0.000110225	3.53917E-05	0.000101265	8.40666E-05	0.000105632	0.000111669	5.21012E-05	0.000101265	7.78127E-05
0.000119721	4.11704E-05	0.000108052	8.25829E-05	0.000113856	0.000120281	5.68849E-05	0.000108052	7.6314E-05
0.000126514	4.9536E-05	0.00011146	6.86816E-05	0.000119019	0.000125462	6.18887E-05	0.00011146	6.41326E-05
0.000125693	5.29671E-05	0.000109295	5.7459E-05	0.000117543	0.00012372	6.27755E-05	0.000109295	5.46801E-05
0.000121455	5.20378E-05	0.000104708	4.98736E-05	0.000113179	0.000119068	6.09684E-05	0.000104708	4.79517E-05
0.000116449	4.72731E-05	9.77557E-05	4.47173E-05	0.000107494	0.00011325	5.6461E-05	9.77557E-05	4.36925E-05
0.000104931	4.03446E-05	8.927E-05	4.32914E-05	9.74118E-05	0.0001027	5.05258E-05	8.927E-05	4.22524E-05
9.58163E-05	3.27435E-05	8.37578E-05	4.21905E-05	8.99903E-05	9.50217E-05	4.53827E-05	8.37578E-05	4.11412E-05
8.22594E-05	2.45993E-05	7.37266E-05	4.25104E-05	7.81057E-05	8.25873E-05	3.83719E-05	7.37266E-05	4.14941E-05
7.98663E-05	2.16353E-05	7.28434E-05	4.28944E-05	7.64174E-05	8.08827E-05	3.6828E-05	7.28434E-05	4.18866E-05
7.93941E-05	2.06245E-05	7.32163E-05	4.38803E-05	7.63212E-05	8.07953E-05	3.66543E-05	7.32163E-05	4.28918E-05
8.26145E-05	2.10698E-05	7.67696E-05	4.59813E-05	7.96688E-05	8.43415E-05	3.82407E-05	7.67696E-05	4.50237E-05
9.00637E-05	2.3517E-05	8.37417E-05	4.83965E-05	8.68585E-05	9.19307E-05	4.1889E-05	8.37417E-05	4.74714E-05
9.93599E-05	2.70623E-05	9.17184E-05	4.85303E-05	9.55194E-05	0.00010108	4.62236E-05	9.17184E-05	4.75784E-05
0.000102156	3.09408E-05	9.61652E-05	8.93492E-05	9.88903E-05	0.00010443	4.9779E-05	9.61652E-05	8.32403E-05
9.96145E-05	3.22521E-05	9.59313E-05	8.76971E-05	9.72636E-05	0.000102545	5.04423E-05	9.59313E-05	8.1533E-05
9.67807E-05	3.24028E-05	9.28336E-05	8.78783E-05	9.43135E-05	9.93788E-05	4.94042E-05	9.28336E-05	8.17074E-05
9.47151E-05	3.25556E-05	8.88927E-05	8.81074E-05	9.14722E-05	9.64367E-05	4.74579E-05	8.88927E-05	8.19292E-05
9.35129E-05	3.27974E-05	8.63061E-05	8.89523E-05	8.9694E-05	9.45988E-05	4.62083E-05	8.63061E-05	8.27744E-05
9.15477E-05	3.16891E-05	8.38977E-05	8.34262E-05	8.75781E-05	9.24316E-05	4.45472E-05	8.38977E-05	7.81112E-05
9.09929E-05	3.1562E-05	8.37415E-05	8.39349E-05	8.71896E-05	9.19965E-05	4.45721E-05	8.37415E-05	7.86196E-05
9.13622E-05	3.08809E-05	8.47506E-05	8.3293E-05	8.78421E-05	9.27043E-05	4.47342E-05	8.47506E-05	7.79696E-05
9.36404E-05	3.10215E-05	8.68743E-05	8.80464E-05	9.00558E-05	9.5085E-05	4.54663E-05	8.68743E-05	8.18448E-05
0.000100528	3.28659E-05	9.28998E-05	8.55002E-05	9.65438E-05	0.000101988	4.82755E-05	9.28998E-05	7.92671E-05
0.000110869	3.55398E-05	0.000101971	8.37308E-05	0.000106297	0.00011237	5.24521E-05	0.000101971	7.74749E-05
0.000120589	4.13666E-05	0.000108988	8.23196E-05	0.000114747	0.000121222	5.73443E-05	0.000108988	7.60486E-05
0.000127304	4.97007E-05	0.000112249	6.84332E-05	0.000119804	0.000126296	6.22531E-05	0.000112249	6.38819E-05
0.000126446	5.31371E-05	0.000110106	5.72288E-05	0.000118315	0.000124535	6.31736E-05	0.000110106	5.44471E-05
0.000123845	5.226E-05	0.000105674	4.96759E-05	0.000114975	0.000121016	6.14168E-05	0.000105674	4.77514E-05
0.000117182	4.7435E-05	9.85295E-05	4.4554E-05	0.00010824	0.000114038	5.68344E-05	9.85295E-05	4.35268E-05
0.000105459	4.04759E-05	8.98936E-05	4.32481E-05	9.7976E-05	0.000103291	5.08516E-05	8.98936E-05	4.22089E-05
9.61914E-05	3.28343E-05	8.41894E-05	4.23095E-05	9.03863E-05	9.54373E-05	4.56045E-05	8.41894E-05	4.12623E-05
8.22594E-05	2.45993E-05	7.37266E-05	4.25104E-05	7.81057E-05	8.25873E-05	3.83719E-05	7.37266E-05	4.14941E-05
7.98663E-05	2.16353E-05	7.28434E-05	4.28944E-05	7.64174E-05	8.08827E-05	3.6828E-05	7.28434E-05	4.18866E-05
7.93941E-05	2.06245E-05	7.32163E-05	4.38803E-05	7.63212E-05	8.07953E-05	3.66543E-05	7.32163E-05	4.28918E-05
8.26145E-05	2.10698E-05	7.67696E-05	4.59813E-05	7.96688E-05	8.43415E-05	3.82407E-05	7.67696E-05	4.50237E-05
9.00637E-05	2.3517E-05	8.37417E-05	4.83965E-05	8.68585E-05	9.19307E-05	4.1889E-05	8.37417E-05	4.74714E-05
9.93599E-05	2.70623E-05	9.17184E-05	4.85303E-05	9.55194E-05	0.00010108	4.62236E-05	9.17184E-05	4.75784E-05
0.000102156	3.09408E-05	9.61652E-05	8.93492E-05	9.88903E-05	0.00010443	4.9779E-05	9.61652E-05	8.32403E-05
9.96145E-05	3.22521E-05	9.59313E-05	8.76971E-05	9.72636E-05	0.000102545	5.04423E-05	9.59313E-05	8.1533E-05
9.67807E-05	3.24028E-05	9.28336E-05	8.78783E-05	9.43135E-05	9.93788E-05	4.94042E-05	9.28336E-05	8.17074E-05
9.47151E-05	3.25556E-05	8.88927E-05	8.81074E-05	9.14722E-05	9.64367E-05	4.74579E-05	8.88927E-05	8.19292E-05
9.35129E-05	3.27974E-05	8.63061E-05	8.89523E-05	8.9694E-05	9.45988E-05	4.62083E-05	8.63061E-05	8.27744E-05

9.15477E-05	3.16891E-05	8.38977E-05	8.34262E-05	8.75781E-05	9.24316E-05	4.45472E-05	8.38977E-05	7.81112E-05
9.09929E-05	3.1562E-05	8.37415E-05	8.39349E-05	8.71896E-05	9.19965E-05	4.45721E-05	8.37415E-05	7.86196E-05
9.13622E-05	3.08809E-05	8.47506E-05	8.3293E-05	8.78421E-05	9.27043E-05	4.47342E-05	8.47506E-05	7.79696E-05
9.36404E-05	3.10215E-05	8.68743E-05	8.80464E-05	9.00558E-05	9.5085E-05	4.54663E-05	8.68743E-05	8.18448E-05
0.000100528	3.28659E-05	9.28998E-05	8.55002E-05	9.65438E-05	0.000101988	4.82755E-05	9.28998E-05	7.92671E-05
0.000110869	3.55398E-05	0.000101971	8.37308E-05	0.000106297	0.00011237	5.24521E-05	0.000101971	7.74749E-05
0.000120589	4.13666E-05	0.000108988	8.23196E-05	0.000114747	0.000121222	5.73443E-05	0.000108988	7.60486E-05
0.000127304	4.97007E-05	0.000112249	6.84332E-05	0.000119804	0.000126296	6.22531E-05	0.000112249	6.38819E-05
0.000126446	5.31371E-05	0.000110106	5.72288E-05	0.000118315	0.000124535	6.31736E-05	0.000110106	5.44471E-05
0.000123845	5.226E-05	0.000105674	4.96759E-05	0.000114975	0.000121016	6.14168E-05	0.000105674	4.77514E-05
0.000117182	4.7435E-05	9.85295E-05	4.4554E-05	0.00010824	0.000114038	5.68344E-05	9.85295E-05	4.35268E-05
0.000105459	4.04759E-05	8.98936E-05	4.32481E-05	9.7976E-05	0.000103291	5.08516E-05	8.98936E-05	4.22089E-05
9.61914E-05	3.28343E-05	8.41894E-05	4.23095E-05	9.03863E-05	9.54373E-05	4.56045E-05	8.41894E-05	4.12623E-05
8.22594E-05	2.45993E-05	7.37266E-05	4.25104E-05	7.81057E-05	8.25873E-05	3.83719E-05	7.37266E-05	4.14941E-05
7.98663E-05	2.16353E-05	7.28434E-05	4.28944E-05	7.64174E-05	8.08827E-05	3.6828E-05	7.28434E-05	4.18866E-05
7.93941E-05	2.06245E-05	7.32163E-05	4.38803E-05	7.63212E-05	8.07953E-05	3.66543E-05	7.32163E-05	4.28918E-05
8.26145E-05	2.10698E-05	7.67696E-05	4.59813E-05	7.96688E-05	8.43415E-05	3.82407E-05	7.67696E-05	4.50237E-05
9.00637E-05	2.3517E-05	8.37417E-05	4.83965E-05	8.68585E-05	9.19307E-05	4.1889E-05	8.37417E-05	4.74714E-05
9.93599E-05	2.70623E-05	9.17184E-05	4.85303E-05	9.55194E-05	0.00010108	4.62236E-05	9.17184E-05	4.75784E-05
0.000102156	3.09408E-05	9.61652E-05	8.93492E-05	9.88903E-05	0.00010443	4.9779E-05	9.61652E-05	8.32403E-05
9.96145E-05	3.22521E-05	9.59313E-05	8.76971E-05	9.72636E-05	0.000102545	5.04423E-05	9.59313E-05	8.1533E-05
9.67807E-05	3.24028E-05	9.28336E-05	8.78783E-05	9.43135E-05	9.93788E-05	4.94042E-05	9.28336E-05	8.17074E-05
9.47151E-05	3.25556E-05	8.88927E-05	8.81074E-05	9.14722E-05	9.64367E-05	4.74579E-05	8.88927E-05	8.19292E-05
9.35129E-05	3.27974E-05	8.63061E-05	8.89523E-05	8.9694E-05	9.45988E-05	4.62083E-05	8.63061E-05	8.27744E-05

0.000100528	3.28659E-05	9.28998E-05	8.55002E-05	9.65438E-05	0.000101988	4.82755E-05	9.28998E-05	7.92671E-05
0.000110869	3.55398E-05	0.000101971	8.37308E-05	0.000106297	0.00011237	5.24521E-05	0.000101971	7.74749E-05
0.000120589	4.13666E-05	0.000108988	8.23196E-05	0.000114747	0.000121222	5.73443E-05	0.000108988	7.60486E-05
0.000127304	4.97007E-05	0.000112249	6.84332E-05	0.000119804	0.000126296	6.22531E-05	0.000112249	6.38819E-05
0.000126446	5.31371E-05	0.000110106	5.72288E-05	0.000118315	0.000124535	6.31736E-05	0.000110106	5.44471E-05
0.000123845	5.226E-05	0.000105674	4.96759E-05	0.000114975	0.000121016	6.14168E-05	0.000105674	4.77514E-05
0.000117182	4.7435E-05	9.85295E-05	4.4554E-05	0.00010824	0.000114038	5.68344E-05	9.85295E-05	4.35268E-05
0.000105459	4.04759E-05	8.98936E-05	4.32481E-05	9.7976E-05	0.000103291	5.08516E-05	8.98936E-05	4.22089E-05
9.61914E-05	3.28343E-05	8.41894E-05	4.23095E-05	9.03863E-05	9.54373E-05	4.56045E-05	8.41894E-05	4.12623E-05
8.31935E-05	2.47647E-05	7.45284E-05	4.21208E-05	7.89818E-05	8.35264E-05	3.86892E-05	7.45284E-05	4.10965E-05
7.97336E-05	2.16266E-05	7.2796E-05	4.29653E-05	7.63197E-05	8.07726E-05	3.68402E-05	7.2796E-05	4.196E-05
7.92975E-05	2.06236E-05	7.32065E-05	4.39847E-05	7.62601E-05	8.07239E-05	3.66844E-05	7.32065E-05	4.29991E-05
8.25566E-05	2.109E-05	7.68571E-05	4.61324E-05	7.96698E-05	8.43315E-05	3.83391E-05	7.68571E-05	4.51782E-05
9.00235E-05	2.35282E-05	8.37896E-05	4.85991E-05	8.6854E-05	9.19192E-05	4.19463E-05	8.37896E-05	4.7678E-05
9.9224E-05	2.70432E-05	9.16241E-05	4.88462E-05	9.5401E-05	0.000100951	4.61967E-05	9.16241E-05	4.78995E-05
0.000103565	3.0949E-05	9.61081E-05	8.99183E-05	9.96938E-05	0.000105328	4.97378E-05	9.61081E-05	8.38181E-05
9.91478E-05	3.21623E-05	9.54983E-05	8.85196E-05	9.68128E-05	0.000102064	5.02559E-05	9.54983E-05	8.23672E-05
9.598E-05	3.22869E-05	9.22623E-05	8.86992E-05	9.36092E-05	9.86145E-05	4.92322E-05	9.22623E-05	8.25392E-05
9.35499E-05	3.23378E-05	8.78404E-05	8.88836E-05	9.03584E-05	9.52468E-05	4.70173E-05	8.78404E-05	8.27149E-05
9.20364E-05	3.25297E-05	8.50102E-05	8.97027E-05	8.82976E-05	9.31043E-05	4.56824E-05	8.50102E-05	8.3533E-05
9.0016E-05	3.14212E-05	8.25976E-05	8.41867E-05	8.61473E-05	9.08967E-05	4.40396E-05	8.25976E-05	7.88793E-05
8.95726E-05	3.12967E-05	8.246E-05	8.4697E-05	8.58324E-05	9.05466E-05	4.40361E-05	8.246E-05	7.93879E-05
8.96503E-05	3.05708E-05	8.32491E-05	8.38976E-05	8.62235E-05	9.09718E-05	4.41253E-05	8.32491E-05	7.85778E-05
9.25842E-05	3.083E-05	8.59472E-05	8.85446E-05	8.90568E-05	9.40159E-05	4.509E-05	8.59472E-05	8.23453E-05
9.95539E-05	3.26506E-05	9.18704E-05	8.59082E-05	9.5552E-05	0.00010094	4.77784E-05	9.18704E-05	7.96771E-05
0.000110225	3.53917E-05	0.000101265	8.40666E-05	0.000105632	0.000111669	5.21012E-05	0.000101265	7.78127E-05
0.000119721	4.11704E-05	0.000108052	8.25829E-05	0.000113856	0.000120281	5.68849E-05	0.000108052	7.6314E-05
0.000126514	4.9536E-05	0.00011146	6.86816E-05	0.000119019	0.000125462	6.18887E-05	0.00011146	6.41326E-05
0.000125693	5.29671E-05	0.000109295	5.7459E-05	0.000117543	0.00012372	6.27755E-05	0.000109295	5.46801E-05
0.000121455	5.20378E-05	0.000104708	4.98736E-05	0.000113179	0.000119068	6.09684E-05	0.000104708	4.79517E-05
0.000116449	4.72731E-05	9.77557E-05	4.47173E-05	0.000107494	0.00011325	5.6461E-05	9.77557E-05	4.36925E-05
0.000104931	4.03446E-05	8.927E-05	4.32914E-05	9.74118E-05	0.0001027	5.05258E-05	8.927E-05	4.22524E-05
9.58163E-05	3.27435E-05	8.37578E-05	4.21905E-05	8.99903E-05	9.50217E-05	4.53827E-05	8.37578E-05	4.11412E-05
8.31935E-05	2.47647E-05	7.45284E-05	4.21208E-05	7.89818E-05	8.35264E-05	3.86892E-05	7.45284E-05	4.10965E-05
7.97336E-05	2.16266E-05	7.2796E-05	4.29653E-05	7.63197E-05	8.07726E-05	3.68402E-05	7.2796E-05	4.196E-05
7.92975E-05	2.06236E-05	7.32065E-05	4.39847E-05	7.62601E-05	8.07239E-05	3.66844E-05	7.32065E-05	4.29991E-05
8.25566E-05	2.109E-05	7.68571E-05	4.61324E-05	7.96698E-05	8.43315E-05	3.83391E-05	7.68571E-05	4.51782E-05
9.00235E-05	2.35282E-05	8.37896E-05	4.85991E-05	8.6854E-05	9.19192E-05	4.19463E-05	8.37896E-05	4.7678E-05
9.9224E-05	2.70432E-05	9.16241E-05	4.88462E-05	9.5401E-05	0.000100951	4.61967E-05	9.16241E-05	4.78995E-05
0.000103565	3.0949E-05	9.61081E-05	8.99183E-05	9.96938E-05	0.000105328	4.97378E-05	9.61081E-05	8.38181E-05
9.91478E-05	3.21623E-05	9.54983E-05	8.85196E-05	9.68128E-05	0.000102064	5.02559E-05	9.54983E-05	8.23672E-05
9.598E-05	3.22869E-05	9.22623E-05	8.86992E-05	9.36092E-05	9.86145E-05	4.92322E-05	9.22623E-05	8.25392E-05
9.35499E-05	3.23378E-05	8.78404E-05	8.88836E-05	9.03584E-05	9.52468E-05	4.70173E-05	8.78404E-05	8.27149E-05
9.20364E-05	3.25297E-05	8.50102E-05	8.97027E-05	8.82976E-05	9.31043E-05	4.56824E-05	8.50102E-05	8.3533E-05
9.0016E-05	3.14212E-05	8.25976E-05	8.41867E-05	8.61473E-05	9.08967E-05	4.40396E-05	8.25976E-05	7.88793E-05
8.95726E-05	3.12967E-05	8.246E-05	8.4697E-05	8.58324E-05	9.05466E-05	4.40361E-05	8.246E-05	7.93879E-05
8.96503E-05	3.05708E-05	8.32491E-05	8.38976E-05	8.62235E-05	9.09718E-05	4.41253E-05	8.32491E-05	7.85778E-05
9.25842E-05	3.083E-05	8.59472E-05	8.85446E-05	8.90568E-05	9.40159E-05	4.509E-05	8.59472E-05	8.23453E-05
9.95539E-05	3.26506E-05	9.18704E-05	8.59082E-05	9.5552E-05	0.00010094	4.77784E-05	9.18704E-05	7.96771E-05
0.000110225	3.53917E-05	0.000101265	8.40666E-05	0.000105632	0.000111669	5.21012E-05	0.000101265	7.78127E-05
0.000119721	4.11704E-05	0.000108052	8.25829E-05	0.000113856	0.000120281	5.68849E-05	0.000108052	7.6314E-05
0.000126514	4.9536E-05	0.00011146	6.86816E-05	0.000119019	0.000125462	6.18887E-05	0.00011146	6.41326E-05
0.000125693	5.29671E-05	0.000109295	5.7459E-05	0.000117543	0.00012372	6.27755E-05	0.000109295	5.46801E-05
0.000121455	5.20378E-05	0.000104708	4.98736E-05	0.000113179	0.000119068	6.09684E-05	0.000104708	4.79517E-05
0.000116449	4.72731E-05	9.77557E-05	4.47173E-05	0.000107494	0.00011325	5.6461E-05	9.77557E-05	4.36925E-05
0.000104931	4.03446E-05	8.927E-05	4.32914E-05	9.74118E-05	0.0001027	5.05258E-05	8.927E-05	4.22524E-05
9.58163E-05	3.27435E-05	8.37578E-05	4.21905E-05	8.99903E-05	9.50217E-05	4.53827E-05	8.37578E-05	4.11412E-05
8.22594E-05	2.45993E-05	7.37266E-05	4.25104E-05	7.81057E-05	8.25873E-05	3.83719E-05	7.37266E-05	4.14941E-05
7.98663E-05	2.16353E-05	7.28434E-05	4.28944E-05	7.64174E-05	8.08827E-05	3.6828E-05	7.28434E-05	4.18866E-05
7.93941E-05	2.06245E-05	7.32163E-05	4.38803E-05	7.63212E-05	8.07953E-05	3.66543E-05	7.32163E-05	4.28918E-05
8.26145E-05	2.10698E-05	7.67696E-05	4.59813E-05	7.96688E-05	8.43415E-05	3.82407E-05	7.67696E-05	4.50237E-05
9.00637E-05	2.3517E-05	8.37417E-05	4.83965E-05	8.68585E-05	9.19307E-05	4.1889E-05	8.37417E-05	4.74714E-05
9.93599E-05	2.70623E-05	9.17184E-05	4.85303E-05	9.55194E-05	0.00010108	4.62236E-05	9.17184E-05	4.75784E-05
0.000102156	3.09408E-05	9.61652E-05	8.93492E-05	9.88903E-05	0.00010443	4.9779E-05	9.61652E-05	8.32403E-05
9.96145E-05	3.22521E-05	9.59313E-05	8.76971E-05	9.72636E-05	0.000102545	5.04423E-05	9.59313E-05	8.1533E-05
9.67807E-05	3.24028E-05	9.28336E-05	8.78783E-05	9.43135E-05	9.93788E-05	4.94042E-05	9.28336E-05	8.17074E-05
9.47151E-05	3.25556E-05	8.88927E-05	8.81074E-05	9.14722E-05	9.64367E-05	4.74579E-05	8.88927E-05	8.19292E-05
9.35129E-05	3.27974E-05	8.63061E-05	8.89523E-05	8.9694E-05	9.45988E-05	4.62083E-05	8.63061E-05	8.27744E-05
9.15477E-05	3.16891E-05	8.38977E-05	8.34262E-05	8.75781E-05	9.24316E-05	4.45472E-05	8.38977E-05	7.81112E-05
9.09929E-05	3.1562E-05	8.37415E-05	8.39349E-05	8.71896E-05	9.19965E-05	4.45721E-05	8.37415E-05	7.86196E-05
9.13622E-05	3.08809E-05	8.47506E-05	8.3293E-05	8.78421E-05	9.27043E-05	4.47342E-05	8.47506E-05	7.79696E-05
9.36404E-05	3.10215E-05	8.68743E-05	8.80464E-05	9.00558E-05	9.5085E-05	4.54663E-05	8.68743E-05	8.18448E-05
0.000100528	3.28659E-05	9.28998E-05	8.55002E-05	9.65438E-05	0.000101988	4.82755E-05	9.28998E-05	7.92671E-05
0.000110869	3.55398E-05	0.000101971	8.37308E-05	0.000106297	0.00011237	5.24521E-05	0.000101971	7.74749E-05
0.000120589	4.13666E-05	0.000108988	8.23196E-05	0.000114747	0.000121222	5.73443E-05	0.000108988	7.60486E-05
0.000127304	4.97007E-05	0.000112249	6.84332E-05	0.000119804	0.000126296	6.22531E-05	0.000112249	6.38819E-05

0.000126446	5.31371E-05	0.000110106	5.72288E-05	0.000118315	0.000124535	6.31736E-05	0.000110106	5.44471E-05
0.000123845	5.226E-05	0.000105674	4.96759E-05	0.000114975	0.000121016	6.14168E-05	0.000105674	4.77514E-05
0.000117182	4.7435E-05	9.85295E-05	4.4554E-05	0.00010824	0.000114038	5.68344E-05	9.85295E-05	4.35268E-05
0.000105459	4.04759E-05	8.98936E-05	4.32481E-05	9.7976E-05	0.000103291	5.08516E-05	8.98936E-05	4.22089E-05
9.61914E-05	3.28343E-05	8.41894E-05	4.23095E-05	9.03863E-05	9.54373E-05	4.56045E-05	8.41894E-05	4.12623E-05
8.22594E-05	2.45993E-05	7.37266E-05	4.25104E-05	7.81057E-05	8.25873E-05	3.83719E-05	7.37266E-05	4.14941E-05
7.98663E-05	2.16353E-05	7.28434E-05	4.28944E-05	7.64174E-05	8.08827E-05	3.6828E-05	7.28434E-05	4.18866E-05
7.93941E-05	2.06245E-05	7.32163E-05	4.38803E-05	7.63212E-05	8.07953E-05	3.66543E-05	7.32163E-05	4.28918E-05
8.26145E-05	2.10698E-05	7.67696E-05	4.59813E-05	7.96688E-05	8.43415E-05	3.82407E-05	7.67696E-05	4.50237E-05
9.00637E-05	2.3517E-05	8.37417E-05	4.83965E-05	8.68585E-05	9.19307E-05	4.1889E-05	8.37417E-05	4.74714E-05
9.93599E-05	2.70623E-05	9.17184E-05	4.85303E-05	9.55194E-05	0.00010108	4.62236E-05	9.17184E-05	4.75784E-05
0.000102156	3.09408E-05	9.61652E-05	8.93492E-05	9.88903E-05	0.00010443	4.9779E-05	9.61652E-05	8.32403E-05
9.96145E-05	3.22521E-05	9.59313E-05	8.76971E-05	9.72636E-05	0.000102545	5.04423E-05	9.59313E-05	8.1533E-05
9.67807E-05	3.24028E-05	9.28336E-05	8.78783E-05	9.43135E-05	9.93788E-05	4.94042E-05	9.28336E-05	8.17074E-05
9.47151E-05	3.25556E-05	8.88927E-05	8.81074E-05	9.14722E-05	9.64367E-05	4.74579E-05	8.88927E-05	8.19292E-05
9.35129E-05	3.27974E-05	8.63061E-05	8.89523E-05	8.9694E-05	9.45988E-05	4.62083E-05	8.63061E-05	8.27744E-05
9.15477E-05	3.16891E-05	8.38977E-05	8.34262E-05	8.75781E-05	9.24316E-05	4.45472E-05	8.38977E-05	7.81112E-05
9.09929E-05	3.1562E-05	8.37415E-05	8.39349E-05	8.71896E-05	9.19965E-05	4.45721E-05	8.37415E-05	7.86196E-05
9.13622E-05	3.08809E-05	8.47506E-05	8.3293E-05	8.78421E-05	9.27043E-05	4.47342E-05	8.47506E-05	7.79696E-05
9.36404E-05	3.10215E-05	8.68743E-05	8.80464E-05	9.00558E-05	9.5085E-05	4.54663E-05	8.68743E-05	8.18448E-05
0.000100528	3.28659E-05	9.28998E-05	8.55002E-05	9.65438E-05	0.000101988	4.82755E-05	9.28998E-05	7.92671E-05
0.000110869	3.55398E-05	0.000101971	8.37308E-05	0.000106297	0.00011237	5.24521E-05	0.000101971	7.74749E-05
0.000120589	4.13666E-05	0.000108988	8.23196E-05	0.000114747	0.000121222	5.73443E-05	0.000108988	7.60486E-05
0.000127304	4.97007E-05	0.000112249	6.84332E-05	0.000119804	0.000126296	6.22531E-05	0.000112249	6.38819E-05
0.000126446	5.31371E-05	0.000110106	5.72288E-05	0.000118315	0.000124535	6.31736E-05	0.000110106	5.44471E-05
0.000123845	5.226E-05	0.000105674	4.96759E-05	0.000114975	0.000121016	6.14168E-05	0.000105674	4.77514E-05
0.000117182	4.7435E-05	9.85295E-05	4.4554E-05	0.00010824	0.000114038	5.68344E-05	9.85295E-05	4.35268E-05
0.000105459	4.04759E-05	8.98936E-05	4.32481E-05	9.7976E-05	0.000103291	5.08516E-05	8.98936E-05	4.22089E-05
9.61914E-05	3.28343E-05	8.41894E-05	4.23095E-05	9.03863E-05	9.54373E-05	4.56045E-05	8.41894E-05	4.12623E-05
8.22594E-05	2.45993E-05	7.37266E-05	4.25104E-05	7.81057E-05	8.25873E-05	3.83719E-05	7.37266E-05	4.14941E-05
7.98663E-05	2.16353E-05	7.28434E-05	4.28944E-05	7.64174E-05	8.08827E-05	3.6828E-05	7.28434E-05	4.18866E-05
7.93941E-05	2.06245E-05	7.32163E-05	4.38803E-05	7.63212E-05	8.07953E-05	3.66543E-05	7.32163E-05	4.28918E-05
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9.00637E-05	2.3517E-05	8.37417E-05	4.83965E-05	8.68585E-05	9.19307E-05	4.1889E-05	8.37417E-05	4.74714E-05
9.93599E-05	2.70623E-05	9.17184E-05	4.85303E-05	9.55194E-05	0.00010108	4.62236E-05	9.17184E-05	4.75784E-05
0.000102156	3.09408E-05	9.61652E-05	8.93492E-05	9.88903E-05	0.00010443	4.9779E-05	9.61652E-05	8.32403E-05
9.96145E-05	3.22521E-05	9.59313E-05	8.76971E-05	9.72636E-05	0.000102545	5.04423E-05	9.59313E-05	8.1533E-05
9.67807E-05	3.24028E-05	9.28336E-05	8.78783E-05	9.43135E-05	9.93788E-05	4.94042E-05	9.28336E-05	8.17074E-05
9.47151E-05	3.25556E-05	8.88927E-05	8.81074E-05	9.14722E-05	9.64367E-05	4.74579E-05	8.88927E-05	8.19292E-05
9.35129E-05	3.27974E-05	8.63061E-05	8.89523E-05	8.9694E-05	9.45988E-05	4.62083E-05	8.63061E-05	8.27744E-05
9.15477E-05	3.16891E-05	8.38977E-05	8.34262E-05	8.75781E-05	9.24316E-05	4.45472E-05	8.38977E-05	7.81112E-05
9.09929E-05	3.1562E-05	8.37415E-05	8.39349E-05	8.71896E-05	9.19965E-05	4.45721E-05	8.37415E-05	7.86196E-05
9.13622E-05	3.08809E-05	8.47506E-05	8.3293E-05	8.78421E-05	9.27043E-05	4.47342E-05	8.47506E-05	7.79696E-05
9.36404E-05	3.10215E-05	8.68743E-05	8.80464E-05	9.00558E-05	9.5085E-05	4.54663E-05	8.68743E-05	8.18448E-05
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0.000110869	3.55398E-05	0.000101971	8.37308E-05	0.000106297	0.00011237	5.24521E-05	0.000101971	7.74749E-05
0.000120589	4.13666E-05	0.000108988	8.23196E-05	0.000114747	0.000121222	5.73443E-05	0.000108988	7.60486E-05
0.000127304	4.97007E-05	0.000112249	6.84332E-05	0.000119804	0.000126296	6.22531E-05	0.000112249	6.38819E-05
0.000126446	5.31371E-05	0.000110106	5.72288E-05	0.000118315	0.000124535	6.31736E-05	0.000110106	5.44471E-05
0.000123845	5.226E-05	0.000105674	4.96759E-05	0.000114975	0.000121016	6.14168E-05	0.000105674	4.77514E-05
0.000117182	4.7435E-05	9.85295E-05	4.4554E-05	0.00010824	0.000114038	5.68344E-05	9.85295E-05	4.35268E-05
0.000105459	4.04759E-05	8.98936E-05	4.32481E-05	9.7976E-05	0.000103291	5.08516E-05	8.98936E-05	4.22089E-05
9.61914E-05	3.28343E-05	8.41894E-05	4.23095E-05	9.03863E-05	9.54373E-05	4.56045E-05	8.41894E-05	4.12623E-05
8.31935E-05	2.47647E-05	7.45284E-05	4.21208E-05	7.89818E-05	8.35264E-05	3.86892E-05	7.45284E-05	4.10965E-05
7.97336E-05	2.16266E-05	7.2796E-05	4.29653E-05	7.63197E-05	8.07726E-05	3.68402E-05	7.2796E-05	4.196E-05
7.92975E-05	2.06236E-05	7.32065E-05	4.39847E-05	7.62601E-05	8.07239E-05	3.66844E-05	7.32065E-05	4.29991E-05
8.25566E-05	2.109E-05	7.68571E-05	4.61324E-05	7.96698E-05	8.43315E-05	3.83391E-05	7.68571E-05	4.51782E-05
9.00235E-05	2.35282E-05	8.37896E-05	4.85991E-05	8.6854E-05	9.19192E-05	4.19463E-05	8.37896E-05	4.7678E-05
9.9224E-05	2.70432E-05	9.16241E-05	4.88462E-05	9.5401E-05	0.000100951	4.61967E-05	9.16241E-05	4.78995E-05
0.000103565	3.0949E-05	9.61081E-05	8.99183E-05	9.96938E-05	0.000105328	4.97378E-05	9.61081E-05	8.38181E-05
9.91478E-05	3.21623E-05	9.54983E-05	8.85196E-05	9.68128E-05	0.000102064	5.02559E-05	9.54983E-05	8.23672E-05
9.598E-05	3.22869E-05	9.22623E-05	8.86992E-05	9.36092E-05	9.86145E-05	4.92322E-05	9.22623E-05	8.25392E-05
9.35499E-05	3.23378E-05	8.78404E-05	8.88836E-05	9.03584E-05	9.52468E-05	4.70173E-05	8.78404E-05	8.27149E-05
9.20364E-05	3.25297E-05	8.50102E-05	8.97027E-05	8.82976E-05	9.31043E-05	4.56824E-05	8.50102E-05	8.3533E-05
9.0016E-05	3.14212E-05	8.25976E-05	8.41867E-05	8.61473E-05	9.08967E-05	4.40396E-05	8.25976E-05	7.88793E-05
8.95726E-05	3.12967E-05	8.246E-05	8.4697E-05	8.58324E-05	9.05466E-05	4.40361E-05	8.246E-05	7.93879E-05
8.96503E-05	3.05708E-05	8.32491E-05	8.38976E-05	8.62235E-05	9.09718E-05	4.41253E-05	8.32491E-05	7.85778E-05
9.25842E-05	3.083E-05	8.59472E-05	8.85446E-05	8.90568E-05	9.40159E-05	4.509E-05	8.59472E-05	8.23453E-05
9.95539E-05	3.26506E-05	9.18704E-05	8.59082E-05	9.5552E-05	0.00010094	4.77784E-05	9.18704E-05	7.96771E-05
0.000110225	3.53917E-05	0.000101265	8.40666E-05	0.000105632	0.000111669	5.21012E-05	0.000101265	7.78127E-05
0.000119721	4.11704E-05	0.000108052	8.25829E-05	0.000113856	0.000120281	5.68849E-05	0.000108052	7.6314E-05
0.000126514	4.9536E-05	0.00011146	6.86816E-05	0.000119019	0.000125462	6.18887E-05	0.00011146	6.41326E-05
0.000125693	5.29671E-05	0.000109295	5.7459E-05	0.000117543	0.00012372	6.27755E-05	0.000109295	5.46801E-05
0.000121455	5.20378E-05	0.000104708	4.98736E-05	0.000113179	0.000119068	6.09684E-05	0.000104708	4.79517E-05
0.000116449	4.72731E-05	9.77557E-05	4.47173E-05	0.000107494	0.00011325	5.6461E-05	9.77557E-05	4.36925E-05
0.000104931	4.03446E-05	8.927E-05	4.32914E-05	9.74118E-05	0.0001027	5.05258E-05	8.927E-05	4.22524E-05

9.58163E-05	3.27435E-05	8.37578E-05	4.21905E-05	8.99903E-05	9.50217E-05	4.53827E-05	8.37578E-05	4.11412E-05
8.22594E-05	2.45993E-05	7.37266E-05	4.25104E-05	7.81057E-05	8.25873E-05	3.83719E-05	7.37266E-05	4.14941E-05
7.98663E-05	2.16353E-05	7.28434E-05	4.28944E-05	7.64174E-05	8.08827E-05	3.6828E-05	7.28434E-05	4.18866E-05
7.93941E-05	2.06245E-05	7.32163E-05	4.38803E-05	7.63212E-05	8.07953E-05	3.66543E-05	7.32163E-05	4.28918E-05
8.26145E-05	2.10698E-05	7.67696E-05	4.59813E-05	7.96688E-05	8.43415E-05	3.82407E-05	7.67696E-05	4.50237E-05
9.00637E-05	2.3517E-05	8.37417E-05	4.83965E-05	8.68585E-05	9.19307E-05	4.1889E-05	8.37417E-05	4.74714E-05
9.93599E-05	2.70623E-05	9.17184E-05	4.85303E-05	9.55194E-05	0.00010108	4.62236E-05	9.17184E-05	4.75784E-05
0.000102156	3.09408E-05	9.61652E-05	8.93492E-05	9.88903E-05	0.00010443	4.9779E-05	9.61652E-05	8.32403E-05
9.96145E-05	3.22521E-05	9.59313E-05	8.76971E-05	9.72636E-05	0.000102545	5.04423E-05	9.59313E-05	8.1533E-05
9.67807E-05	3.24028E-05	9.28336E-05	8.78783E-05	9.43135E-05	9.93788E-05	4.94042E-05	9.28336E-05	8.17074E-05
9.47151E-05	3.25556E-05	8.88927E-05	8.81074E-05	9.14722E-05	9.64367E-05	4.74579E-05	8.88927E-05	8.19292E-05
9.35129E-05	3.27974E-05	8.63061E-05	8.89523E-05	8.9694E-05	9.45988E-05	4.62083E-05	8.63061E-05	8.27744E-05
9.15477E-05	3.16891E-05	8.38977E-05	8.34262E-05	8.75781E-05	9.24316E-05	4.45472E-05	8.38977E-05	7.81112E-05
9.09929E-05	3.1562E-05	8.37415E-05	8.39349E-05	8.71896E-05	9.19965E-05	4.45721E-05	8.37415E-05	7.86196E-05
9.13622E-05	3.08809E-05	8.47506E-05	8.3293E-05	8.78421E-05	9.27043E-05	4.47342E-05	8.47506E-05	7.79696E-05
9.36404E-05	3.10215E-05	8.68743E-05	8.80464E-05	9.00558E-05	9.5085E-05	4.54663E-05	8.68743E-05	8.18448E-05
0.000100528	3.28659E-05	9.28998E-05	8.55002E-05	9.65438E-05	0.000101988	4.82755E-05	9.28998E-05	7.92671E-05
0.000110869	3.55398E-05	0.000101971	8.37308E-05	0.000106297	0.00011237	5.24521E-05	0.000101971	7.74749E-05
0.000120589	4.13666E-05	0.000108988	8.23196E-05	0.000114747	0.000121222	5.73443E-05	0.000108988	7.60486E-05
0.000127304	4.97007E-05	0.000112249	6.84332E-05	0.000119804	0.000126296	6.22531E-05	0.000112249	6.38819E-05
0.000126446	5.31371E-05	0.000110106	5.72288E-05	0.000118315	0.000124535	6.31736E-05	0.000110106	5.44471E-05
0.000123845	5.226E-05	0.000105674	4.96759E-05	0.000114975	0.000121016	6.14168E-05	0.000105674	4.77514E-05
0.000117182	4.7435E-05	9.85295E-05	4.4554E-05	0.00010824	0.000114038	5.68344E-05	9.85295E-05	4.35268E-05
0.000105459	4.04759E-05	8.98936E-05	4.32481E-05	9.7976E-05	0.000103291	5.08516E-05	8.98936E-05	4.22089E-05
9.61914E-05	3.28343E-05	8.41894E-05	4.23095E-05	9.03863E-05	9.54373E-05	4.56045E-05	8.41894E-05	4.12623E-05
8.31935E-05	2.47647E-05	7.45284E-05	4.21208E-05	7.89818E-05	8.35264E-05	3.86892E-05	7.45284E-05	4.10965E-05
7.97336E-05	2.16266E-05	7.2796E-05	4.29653E-05	7.63197E-05	8.07726E-05	3.68402E-05	7.2796E-05	4.196E-05
7.92975E-05	2.06236E-05	7.32065E-05	4.39847E-05	7.62601E-05	8.07239E-05	3.66844E-05	7.32065E-05	4.29991E-05
8.25566E-05	2.109E-05	7.68571E-05	4.61324E-05	7.96698E-05	8.43315E-05	3.83391E-05	7.68571E-05	4.51782E-05
9.00235E-05	2.35282E-05	8.37896E-05	4.85991E-05	8.6854E-05	9.19192E-05	4.19463E-05	8.37896E-05	4.7678E-05
9.9224E-05	2.70432E-05	9.16241E-05	4.88462E-05	9.5401E-05	0.000100951	4.61967E-05	9.16241E-05	4.78995E-05
0.000103565	3.0949E-05	9.61081E-05	8.99183E-05	9.96938E-05	0.000105328	4.97378E-05	9.61081E-05	8.38181E-05
9.91478E-05	3.21623E-05	9.54983E-05	8.85196E-05	9.68128E-05	0.000102064	5.02559E-05	9.54983E-05	8.23672E-05
9.598E-05	3.22869E-05	9.22623E-05	8.86992E-05	9.36092E-05	9.86145E-05	4.92322E-05	9.22623E-05	8.25392E-05
9.35499E-05	3.23378E-05	8.78404E-05	8.88836E-05	9.03584E-05	9.52468E-05	4.70173E-05	8.78404E-05	8.27149E-05
9.20364E-05	3.25297E-05	8.50102E-05	8.97027E-05	8.82976E-05	9.31043E-05	4.56824E-05	8.50102E-05	8.3533E-05
9.0016E-05	3.14212E-05	8.25976E-05	8.41867E-05	8.61473E-05	9.08967E-05	4.40396E-05	8.25976E-05	7.88793E-05
8.95726E-05	3.12967E-05	8.246E-05	8.4697E-05	8.58324E-05	9.05466E-05	4.40361E-05	8.246E-05	7.93879E-05
8.96503E-05	3.05708E-05	8.32491E-05	8.38976E-05	8.62235E-05	9.09718E-05	4.41253E-05	8.32491E-05	7.85778E-05
9.25842E-05	3.083E-05	8.59472E-05	8.85446E-05	8.90568E-05	9.40159E-05	4.509E-05	8.59472E-05	8.23453E-05
9.95539E-05	3.26506E-05	9.18704E-05	8.59082E-05	9.5552E-05	0.00010094	4.77784E-05	9.18704E-05	7.96771E-05
0.000110225	3.53917E-05	0.000101265	8.40666E-05	0.000105632	0.000111669	5.21012E-05	0.000101265	7.78127E-05
0.000119721	4.11704E-05	0.000108052	8.25829E-05	0.000113856	0.000120281	5.68849E-05	0.000108052	7.6314E-05
0.000126514	4.9536E-05	0.00011146	6.86816E-05	0.000119019	0.000125462	6.18887E-05	0.00011146	6.41326E-05
0.000125693	5.29671E-05	0.000109295	5.7459E-05	0.000117543	0.00012372	6.27755E-05	0.000109295	5.46801E-05
0.000121455	5.20378E-05	0.000104708	4.98736E-05	0.000113179	0.000119068	6.09684E-05	0.000104708	4.79517E-05
0.000116449	4.72731E-05	9.77557E-05	4.47173E-05	0.000107494	0.00011325	5.6461E-05	9.77557E-05	4.36925E-05
0.000104931	4.03446E-05	8.927E-05	4.32914E-05	9.74118E-05	0.0001027	5.05258E-05	8.927E-05	4.22524E-05
9.58163E-05	3.27435E-05	8.37578E-05	4.21905E-05	8.99903E-05	9.50217E-05	4.53827E-05	8.37578E-05	4.11412E-05
8.31935E-05	2.47647E-05	7.45284E-05	4.21208E-05	7.89818E-05	8.35264E-05	3.86892E-05	7.45284E-05	4.10965E-05
7.97336E-05	2.16266E-05	7.2796E-05	4.29653E-05	7.63197E-05	8.07726E-05	3.68402E-05	7.2796E-05	4.196E-05
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9.9224E-05	2.70432E-05	9.16241E-05	4.88462E-05	9.5401E-05	0.000100951	4.61967E-05	9.16241E-05	4.78995E-05
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9.91478E-05	3.21623E-05	9.54983E-05	8.85196E-05	9.68128E-05	0.000102064	5.02559E-05	9.54983E-05	8.23672E-05
9.598E-05	3.22869E-05	9.22623E-05	8.86992E-05	9.36092E-05	9.86145E-05	4.92322E-05	9.22623E-05	8.25392E-05
9.35499E-05	3.23378E-05	8.78404E-05	8.88836E-05	9.03584E-05	9.52468E-05	4.70173E-05	8.78404E-05	8.27149E-05
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9.0016E-05	3.14212E-05	8.25976E-05	8.41867E-05	8.61473E-05	9.08967E-05	4.40396E-05	8.25976E-05	7.88793E-05
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8.96503E-05	3.05708E-05	8.32491E-05	8.38976E-05	8.62235E-05	9.09718E-05	4.41253E-05	8.32491E-05	7.85778E-05
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9.95539E-05	3.26506E-05	9.18704E-05	8.59082E-05	9.5552E-05	0.00010094	4.77784E-05	9.18704E-05	7.96771E-05
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0.000126514	4.9536E-05	0.00011146	6.86816E-05	0.000119019	0.000125462	6.18887E-05	0.00011146	6.41326E-05
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0.000121455	5.20378E-05	0.000104708	4.98736E-05	0.000113179	0.000119068	6.09684E-05	0.000104708	4.79517E-05
0.000116449	4.72731E-05	9.77557E-05	4.47173E-05	0.000107494	0.00011325	5.6461E-05	9.77557E-05	4.36925E-05
0.000104931	4.03446E-05	8.927E-05	4.32914E-05	9.74118E-05	0.0001027	5.05258E-05	8.927E-05	4.22524E-05
9.58163E-05	3.27435E-05	8.37578E-05	4.21905E-05	8.99903E-05	9.50217E-05	4.53827E-05	8.37578E-05	4.11412E-05
8.22594E-05	2.45993E-05	7.37266E-05	4.25104E-05	7.81057E-05	8.25873E-05	3.83719E-05	7.37266E-05	4.14941E-05
7.98663E-05	2.16353E-05	7.28434E-05	4.28944E-05	7.64174E-05	8.08827E-05	3.6828E-05	7.28434E-05	4.18866E-05
7.93941E-05	2.06245E-05	7.32163E-05	4.38803E-05	7.63212E-05	8.07953E-05	3.66543E-05	7.32163E-05	4.28918E-05

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9.00637E-05	2.3517E-05	8.37417E-05	4.83965E-05	8.68585E-05	9.19307E-05	4.1889E-05	8.37417E-05	4.74714E-05
9.93599E-05	2.70623E-05	9.17184E-05	4.85303E-05	9.55194E-05	0.00010108	4.62236E-05	9.17184E-05	4.75784E-05
0.000102156	3.09408E-05	9.61652E-05	8.93492E-05	9.88903E-05	0.00010443	4.9779E-05	9.61652E-05	8.32403E-05
9.96145E-05	3.22521E-05	9.59313E-05	8.76971E-05	9.72636E-05	0.000102545	5.04423E-05	9.59313E-05	8.1533E-05
9.67807E-05	3.24028E-05	9.28336E-05	8.78783E-05	9.43135E-05	9.93788E-05	4.94042E-05	9.28336E-05	8.17074E-05
9.47151E-05	3.25556E-05	8.88927E-05	8.81074E-05	9.14722E-05	9.64367E-05	4.74579E-05	8.88927E-05	8.19292E-05
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9.15477E-05	3.16891E-05	8.38977E-05	8.34262E-05	8.75781E-05	9.24316E-05	4.45472E-05	8.38977E-05	7.81112E-05
9.09929E-05	3.1562E-05	8.37415E-05	8.39349E-05	8.71896E-05	9.19965E-05	4.45721E-05	8.37415E-05	7.86196E-05
9.13622E-05	3.08809E-05	8.47506E-05	8.3293E-05	8.78421E-05	9.27043E-05	4.47342E-05	8.47506E-05	7.79696E-05
9.36404E-05	3.10215E-05	8.68743E-05	8.80464E-05	9.00558E-05	9.5085E-05	4.54663E-05	8.68743E-05	8.18448E-05
0.000100528	3.28659E-05	9.28998E-05	8.55002E-05	9.65438E-05	0.000101988	4.82755E-05	9.28998E-05	7.92671E-05
0.000110869	3.55398E-05	0.000101971	8.37308E-05	0.000106297	0.00011237	5.24521E-05	0.000101971	7.74749E-05
0.000120589	4.13666E-05	0.000108988	8.23196E-05	0.000114747	0.000121222	5.73443E-05	0.000108988	7.60486E-05
0.000127304	4.97007E-05	0.000112249	6.84332E-05	0.000119804	0.000126296	6.22531E-05	0.000112249	6.38819E-05
0.000126446	5.31371E-05	0.000110106	5.72288E-05	0.000118315	0.000124535	6.31736E-05	0.000110106	5.44471E-05
0.000123845	5.226E-05	0.000105674	4.96759E-05	0.000114975	0.000121016	6.14168E-05	0.000105674	4.77514E-05
0.000117182	4.7435E-05	9.85295E-05	4.4554E-05	0.00010824	0.000114038	5.68344E-05	9.85295E-05	4.35268E-05
0.000105459	4.04759E-05	8.98936E-05	4.32481E-05	9.7976E-05	0.000103291	5.08516E-05	8.98936E-05	4.22089E-05
9.61914E-05	3.28343E-05	8.41894E-05	4.23095E-05	9.03863E-05	9.54373E-05	4.56045E-05	8.41894E-05	4.12623E-05
8.22594E-05	2.45993E-05	7.37266E-05	4.25104E-05	7.81057E-05	8.25873E-05	3.83719E-05	7.37266E-05	4.14941E-05
7.98663E-05	2.16353E-05	7.28434E-05	4.28944E-05	7.64174E-05	8.08827E-05	3.6828E-05	7.28434E-05	4.18866E-05
7.93941E-05	2.06245E-05	7.32163E-05	4.38803E-05	7.63212E-05	8.07953E-05	3.66543E-05	7.32163E-05	4.28918E-05
8.26145E-05	2.10698E-05	7.67696E-05	4.59813E-05	7.96688E-05	8.43415E-05	3.82407E-05	7.67696E-05	4.50237E-05
9.00637E-05	2.3517E-05	8.37417E-05	4.83965E-05	8.68585E-05	9.19307E-05	4.1889E-05	8.37417E-05	4.74714E-05
9.93599E-05	2.70623E-05	9.17184E-05	4.85303E-05	9.55194E-05	0.00010108	4.62236E-05	9.17184E-05	4.75784E-05
0.000102156	3.09408E-05	9.61652E-05	8.93492E-05	9.88903E-05	0.00010443	4.9779E-05	9.61652E-05	8.32403E-05
9.96145E-05	3.22521E-05	9.59313E-05	8.76971E-05	9.72636E-05	0.000102545	5.04423E-05	9.59313E-05	8.1533E-05
9.67807E-05	3.24028E-05	9.28336E-05	8.78783E-05	9.43135E-05	9.93788E-05	4.94042E-05	9.28336E-05	8.17074E-05
9.47151E-05	3.25556E-05	8.88927E-05	8.81074E-05	9.14722E-05	9.64367E-05	4.74579E-05	8.88927E-05	8.19292E-05
9.35129E-05	3.27974E-05	8.63061E-05	8.89523E-05	8.9694E-05	9.45988E-05	4.62083E-05	8.63061E-05	8.27744E-05
9.15477E-05	3.16891E-05	8.38977E-05	8.34262E-05	8.75781E-05	9.24316E-05	4.45472E-05	8.38977E-05	7.81112E-05
9.09929E-05	3.1562E-05	8.37415E-05	8.39349E-05	8.71896E-05	9.19965E-05	4.45721E-05	8.37415E-05	7.86196E-05
9.13622E-05	3.08809E-05	8.47506E-05	8.3293E-05	8.78421E-05	9.27043E-05	4.47342E-05	8.47506E-05	7.79696E-05
9.36404E-05	3.10215E-05	8.68743E-05	8.80464E-05	9.00558E-05	9.5085E-05	4.54663E-05	8.68743E-05	8.18448E-05
0.000100528	3.28659E-05	9.28998E-05	8.55002E-05	9.65438E-05	0.000101988	4.82755E-05	9.28998E-05	7.92671E-05
0.000110869	3.55398E-05	0.000101971	8.37308E-05	0.000106297	0.00011237	5.24521E-05	0.000101971	7.74749E-05
0.000120589	4.13666E-05	0.000108988	8.23196E-05	0.000114747	0.000121222	5.73443E-05	0.000108988	7.60486E-05
0.000127304	4.97007E-05	0.000112249	6.84332E-05	0.000119804	0.000126296	6.22531E-05	0.000112249	6.38819E-05
0.000126446	5.31371E-05	0.000110106	5.72288E-05	0.000118315	0.000124535	6.31736E-05	0.000110106	5.44471E-05
0.000123845	5.226E-05	0.000105674	4.96759E-05	0.000114975	0.000121016	6.14168E-05	0.000105674	4.77514E-05
0.000117182	4.7435E-05	9.85295E-05	4.4554E-05	0.00010824	0.000114038	5.68344E-05	9.85295E-05	4.35268E-05
0.000105459	4.04759E-05	8.98936E-05	4.32481E-05	9.7976E-05	0.000103291	5.08516E-05	8.98936E-05	4.22089E-05
9.61914E-05	3.28343E-05	8.41894E-05	4.23095E-05	9.03863E-05	9.54373E-05	4.56045E-05	8.41894E-05	4.12623E-05
8.22594E-05	2.45993E-05	7.37266E-05	4.25104E-05	7.81057E-05	8.25873E-05	3.83719E-05	7.37266E-05	4.14941E-05
7.98663E-05	2.16353E-05	7.28434E-05	4.28944E-05	7.64174E-05	8.08827E-05	3.6828E-05	7.28434E-05	4.18866E-05
7.93941E-05	2.06245E-05	7.32163E-05	4.38803E-05	7.63212E-05	8.07953E-05	3.66543E-05	7.32163E-05	4.28918E-05
8.26145E-05	2.10698E-05	7.67696E-05	4.59813E-05	7.96688E-05	8.43415E-05	3.82407E-05	7.67696E-05	4.50237E-05
9.00637E-05	2.3517E-05	8.37417E-05	4.83965E-05	8.68585E-05	9.19307E-05	4.1889E-05	8.37417E-05	4.74714E-05
9.93599E-05	2.70623E-05	9.17184E-05	4.85303E-05	9.55194E-05	0.00010108	4.62236E-05	9.17184E-05	4.75784E-05
0.000102156	3.09408E-05	9.61652E-05	8.93492E-05	9.88903E-05	0.00010443	4.9779E-05	9.61652E-05	8.32403E-05
9.96145E-05	3.22521E-05	9.59313E-05	8.76971E-05	9.72636E-05	0.000102545	5.04423E-05	9.59313E-05	8.1533E-05
9.67807E-05	3.24028E-05	9.28336E-05	8.78783E-05	9.43135E-05	9.93788E-05	4.94042E-05	9.28336E-05	8.17074E-05
9.47151E-05	3.25556E-05	8.88927E-05	8.81074E-05	9.14722E-05	9.64367E-05	4.74579E-05	8.88927E-05	8.19292E-05
9.35129E-05	3.27974E-05	8.63061E-05	8.89523E-05	8.9694E-05	9.45988E-05	4.62083E-05	8.63061E-05	8.27744E-05
9.15477E-05	3.16891E-05	8.38977E-05	8.34262E-05	8.75781E-05	9.24316E-05	4.45472E-05	8.38977E-05	7.81112E-05
9.09929E-05	3.1562E-05	8.37415E-05	8.39349E-05	8.71896E-05	9.19965E-05	4.45721E-05	8.37415E-05	7.86196E-05
9.13622E-05	3.08809E-05	8.47506E-05	8.3293E-05	8.78421E-05	9.27043E-05	4.47342E-05	8.47506E-05	7.79696E-05
9.36404E-05	3.10215E-05	8.68743E-05	8.80464E-05	9.00558E-05	9.5085E-05	4.54663E-05	8.68743E-05	8.18448E-05
0.000100528	3.28659E-05	9.28998E-05	8.55002E-05	9.65438E-05	0.000101988	4.82755E-05	9.28998E-05	7.92671E-05
0.000110869	3.55398E-05	0.000101971	8.37308E-05	0.000106297	0.00011237	5.24521E-05	0.000101971	7.74749E-05
0.000120589	4.13666E-05	0.000108988	8.23196E-05	0.000114747	0.000121222	5.73443E-05	0.000108988	7.60486E-05
0.000127304	4.97007E-05	0.000112249	6.84332E-05	0.000119804	0.000126296	6.22531E-05	0.000112249	6.38819E-05
0.000126446	5.31371E-05	0.000110106	5.72288E-05	0.000118315	0.000124535	6.31736E-05	0.000110106	5.44471E-05
0.000123845	5.226E-05	0.000105674	4.96759E-05	0.000114975	0.000121016	6.14168E-05	0.000105674	4.77514E-05
0.000117182	4.7435E-05	9.85295E-05	4.4554E-05	0.00010824	0.000114038	5.68344E-05	9.85295E-05	4.35268E-05
0.000105459	4.04759E-05	8.98936E-05	4.32481E-05	9.7976E-05	0.000103291	5.08516E-05	8.98936E-05	4.22089E-05
9.61914E-05	3.28343E-05	8.41894E-05	4.23095E-05	9.03863E-05	9.54373E-05	4.56045E-05	8.41894E-05	4.12623E-05
9.8896E-05	2.87655E-05	9.35021E-05	4.14601E-05	9.59244E-05	0.000101245	4.87518E-05	9.35021E-05	4.04316E-05
9.54863E-05	2.55613E-05	9.14753E-05	4.18988E-05	9.31734E-05	9.84232E-05	4.66293E-05	9.14753E-05	4.08821E-05
9.30601E-05	2.41676E-05	9.00043E-05	4.29712E-05	9.11774E-05	9.63126E-05	4.56486E-05	9.00043E-05	4.19777E-05
9.4924E-05	2.44018E-05	9.25238E-05	4.48761E-05	9.33052E-05	9.85408E-05	4.68868E-05	9.25238E-05	4.39137E-05
0.000101615	2.67771E-05	9.91252E-05	4.73751E-05	9.98969E-05	0.000105466	5.05186E-05	9.91252E-05	4.6442E-05
0.000112103	3.04093E-05	0.000107567	4.80868E-05	0.000109451	0.000115618	5.47778E-05	0.000107567	4.71358E-05
0.000116679	3.43408E-05	0.000112363	9.02461E-05	0.000114016	0.000120343	5.79227E-05	0.000112363	8.41509E-05

0.000115643	3.58114E-05	0.000112939	9.004E-05	0.000113607	0.000119802	5.86826E-05	0.000112939	8.39111E-05
0.000115297	3.65913E-05	0.000112826	9.09326E-05	0.000113332	0.000119436	5.92202E-05	0.000112826	8.48022E-05
0.00011334	3.71494E-05	0.000110716	9.13251E-05	0.000111293	0.000117213	5.88063E-05	0.000110716	8.51931E-05
0.000111446	3.74759E-05	0.000108467	9.17969E-05	0.000109241	0.000115007	5.81239E-05	0.000108467	8.56674E-05
0.000109864	3.65496E-05	0.000106901	8.54228E-05	0.000107692	0.000113406	5.70349E-05	0.000106901	8.01549E-05
0.00010872	3.61245E-05	0.000105368	8.5239E-05	0.0001064	0.000112072	5.61097E-05	0.000105368	7.99718E-05
0.000107616	3.50232E-05	0.000104395	8.42329E-05	0.000105381	0.000111046	5.51539E-05	0.000104395	7.89559E-05
0.000109115	3.50563E-05	0.000105987	8.88901E-05	0.000106919	0.000112692	5.57393E-05	0.000105987	8.27331E-05
0.000118613	3.75432E-05	0.000115064	8.64417E-05	0.000116183	0.000122504	6.01335E-05	0.000115064	8.02514E-05
0.000132686	4.09068E-05	0.000127471	8.41518E-05	0.00012949	0.000136686	6.56905E-05	0.000127471	7.79296E-05
0.000145908	4.72383E-05	0.000136976	8.22805E-05	0.000141016	0.000148876	7.13262E-05	0.000136976	7.60342E-05
0.000152871	5.55059E-05	0.000139953	6.81221E-05	0.000146105	0.000154025	7.58918E-05	0.000139953	6.35902E-05
0.000150552	5.86396E-05	0.000136358	5.65621E-05	0.000143166	0.000150725	7.61452E-05	0.000136358	5.37943E-05
0.000146925	5.74272E-05	0.000130354	4.87832E-05	0.000138585	0.000145932	7.34447E-05	0.000130354	4.6868E-05
0.000138793	5.23848E-05	0.000122139	4.33443E-05	0.000130548	0.000137544	6.85288E-05	0.000122139	4.23203E-05
0.000123997	4.49305E-05	0.000111085	4.20471E-05	0.000117491	0.000123785	6.16906E-05	0.000111085	4.10103E-05
0.000113107	3.69505E-05	0.000103757	4.12706E-05	0.000108287	0.000114219	5.56941E-05	0.000103757	4.02267E-05
9.8896E-05	2.87655E-05	9.35021E-05	4.14601E-05	9.59244E-05	0.000101245	4.87518E-05	9.35021E-05	4.04316E-05
9.54863E-05	2.55613E-05	9.14753E-05	4.18988E-05	9.31734E-05	9.84232E-05	4.66293E-05	9.14753E-05	4.08821E-05
9.30601E-05	2.41676E-05	9.00043E-05	4.29712E-05	9.11774E-05	9.63126E-05	4.56486E-05	9.00043E-05	4.19777E-05
9.4924E-05	2.44018E-05	9.25238E-05	4.48761E-05	9.33052E-05	9.85408E-05	4.68868E-05	9.25238E-05	4.39137E-05
0.000101615	2.67771E-05	9.91252E-05	4.73751E-05	9.98969E-05	0.000105466	5.05186E-05	9.91252E-05	4.6442E-05
0.000112103	3.04093E-05	0.000107567	4.80868E-05	0.000109451	0.000115618	5.47778E-05	0.000107567	4.71358E-05
0.000116679	3.43408E-05	0.000112363	9.02461E-05	0.000114016	0.000120343	5.79227E-05	0.000112363	8.41509E-05
0.000115643	3.58114E-05	0.000112939	9.004E-05	0.000113607	0.000119802	5.86826E-05	0.000112939	8.39111E-05
0.000115297	3.65913E-05	0.000112826	9.09326E-05	0.000113332	0.000119436	5.92202E-05	0.000112826	8.48022E-05
0.00011334	3.71494E-05	0.000110716	9.13251E-05	0.000111293	0.000117213	5.88063E-05	0.000110716	8.51931E-05
0.000111446	3.74759E-05	0.000108467	9.17969E-05	0.000109241	0.000115007	5.81239E-05	0.000108467	8.56674E-05
0.000109864	3.65496E-05	0.000106901	8.54228E-05	0.000107692	0.000113406	5.70349E-05	0.000106901	8.01549E-05
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0.000107616	3.50232E-05	0.000104395	8.42329E-05	0.000105381	0.000111046	5.51539E-05	0.000104395	7.89559E-05
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0.000118613	3.75432E-05	0.000115064	8.64417E-05	0.000116183	0.000122504	6.01335E-05	0.000115064	8.02514E-05
0.000132686	4.09068E-05	0.000127471	8.41518E-05	0.00012949	0.000136686	6.56905E-05	0.000127471	7.79296E-05
0.000145908	4.72383E-05	0.000136976	8.22805E-05	0.000141016	0.000148876	7.13262E-05	0.000136976	7.60342E-05
0.000152871	5.55059E-05	0.000139953	6.81221E-05	0.000146105	0.000154025	7.58918E-05	0.000139953	6.35902E-05
0.000150552	5.86396E-05	0.000136358	5.65621E-05	0.000143166	0.000150725	7.61452E-05	0.000136358	5.37943E-05
0.000146925	5.74272E-05	0.000130354	4.87832E-05	0.000138585	0.000145932	7.34447E-05	0.000130354	4.6868E-05
0.000138793	5.23848E-05	0.000122139	4.33443E-05	0.000130548	0.000137544	6.85288E-05	0.000122139	4.23203E-05
0.000123997	4.49305E-05	0.000111085	4.20471E-05	0.000117491	0.000123785	6.16906E-05	0.000111085	4.10103E-05
0.000113107	3.69505E-05	0.000103757	4.12706E-05	0.000108287	0.000114219	5.56941E-05	0.000103757	4.02267E-05
9.86778E-05	2.87137E-05	9.32553E-05	4.138E-05	9.56958E-05	0.000101005	4.86265E-05	9.32553E-05	4.03513E-05
9.41019E-05	2.52312E-05	8.99041E-05	4.18771E-05	9.17206E-05	9.68967E-05	4.58296E-05	8.99041E-05	4.08608E-05
9.16993E-05	2.38436E-05	8.84621E-05	4.29882E-05	8.97503E-05	9.4813E-05	4.48645E-05	8.84621E-05	4.19955E-05
9.36138E-05	2.40971E-05	9.10715E-05	4.48348E-05	9.19443E-05	9.71084E-05	4.61598E-05	9.10715E-05	4.38721E-05
0.000100322	2.64828E-05	9.77211E-05	4.72923E-05	9.85657E-05	0.000104063	4.98262E-05	9.77211E-05	4.63585E-05
0.000110833	3.01179E-05	0.000106177	4.79304E-05	0.000108139	0.000114235	5.40886E-05	0.000106177	4.69771E-05
0.000116969	3.40917E-05	0.000111079	9.00713E-05	0.000113662	0.000120022	5.72725E-05	0.000111079	8.39737E-05
0.000113993	3.54469E-05	0.000111197	8.9819E-05	0.000111928	0.000118028	5.78416E-05	0.000111197	8.36866E-05
0.000113179	3.61264E-05	0.000110603	9.06605E-05	0.000111183	0.000117164	5.81524E-05	0.000110603	8.45255E-05
0.000110623	3.6557E-05	0.000107882	9.1078E-05	0.000108543	0.000114305	5.74518E-05	0.000107882	8.49419E-05
0.000108404	3.68117E-05	0.00010529	9.16282E-05	0.00010616	0.00011175	5.66038E-05	0.00010529	8.5496E-05
0.000106712	3.58572E-05	0.000103591	8.5245E-05	0.000104492	0.000110024	5.54435E-05	0.000103591	7.99746E-05
0.000105534	3.54166E-05	0.000101985	8.50225E-05	0.000103151	0.000108642	5.44701E-05	0.000101985	7.9752E-05
0.000104594	3.43657E-05	0.000101249	8.40364E-05	0.000102324	0.000107814	5.36529E-05	0.000101249	7.87563E-05
0.000106381	3.44562E-05	0.000103117	8.87211E-05	0.000104144	0.000109759	5.43611E-05	0.000103117	8.25616E-05
0.000116261	3.70112E-05	0.000112525	8.63319E-05	0.000113767	0.000119957	5.88873E-05	0.000112525	8.01402E-05
0.000130541	4.0407E-05	0.000125089	8.40019E-05	0.00012726	0.000134339	6.44969E-05	0.000125089	7.77775E-05
0.000143925	4.67824E-05	0.000134802	8.21147E-05	0.000138966	0.000146716	7.02467E-05	0.000134802	7.58659E-05
0.000150985	5.50594E-05	0.000137827	6.78826E-05	0.000144132	0.000151951	7.48149E-05	0.000137827	6.33473E-05
0.000148938	5.82405E-05	0.000134462	5.63806E-05	0.000141447	0.000148924	7.51577E-05	0.000134462	5.36105E-05
0.000143918	5.7032E-05	0.00012857	4.86978E-05	0.000136094	0.000143262	7.25398E-05	0.00012857	4.67824E-05
0.000137436	5.2055E-05	0.000120571	4.33316E-05	0.000129113	0.000136037	6.77209E-05	0.000120571	4.23085E-05
0.000122836	4.46633E-05	0.00010981	4.20614E-05	0.00011629	0.00012252	6.10574E-05	0.00010981	4.1026E-05
0.000112424	3.68017E-05	0.000103046	4.14238E-05	0.000107595	0.000113488	5.53546E-05	0.000103046	4.03831E-05
9.86778E-05	2.87137E-05	9.32553E-05	4.138E-05	9.56958E-05	0.000101005	4.86265E-05	9.32553E-05	4.03513E-05
9.41019E-05	2.52312E-05	8.99041E-05	4.18771E-05	9.17206E-05	9.68967E-05	4.58296E-05	8.99041E-05	4.08608E-05
9.16993E-05	2.38436E-05	8.84621E-05	4.29882E-05	8.97503E-05	9.4813E-05	4.48645E-05	8.84621E-05	4.19955E-05
9.36138E-05	2.40971E-05	9.10715E-05	4.48348E-05	9.19443E-05	9.71084E-05	4.61598E-05	9.10715E-05	4.38721E-05
0.000100322	2.64828E-05	9.77211E-05	4.72923E-05	9.85657E-05	0.000104063	4.98262E-05	9.77211E-05	4.63585E-05
0.000110833	3.01179E-05	0.000106177	4.79304E-05	0.000108139	0.000114235	5.40886E-05	0.000106177	4.69771E-05
0.000116969	3.40917E-05	0.000111079	9.00713E-05	0.000113662	0.000120022	5.72725E-05	0.000111079	8.39737E-05
0.000113993	3.54469E-05	0.000111197	8.9819E-05	0.000111928	0.000118028	5.78416E-05	0.000111197	8.36866E-05
0.000113179	3.61264E-05	0.000110603	9.06605E-05	0.000111183	0.000117164	5.81524E-05	0.000110603	8.45255E-05
0.000110623	3.6557E-05	0.000107882	9.1078E-05	0.000108543	0.000114305	5.74518E-05	0.000107882	8.49419E-05
0.000108404	3.68117E-05	0.00010529	9.16282E-05	0.00010616	0.00011175	5.66038E-05	0.00010529	8.5496E-05

0.000106712	3.58572E-05	0.000103591	8.5245E-05	0.000104492	0.000110024	5.54435E-05	0.000103591	7.99746E-05
0.000105534	3.54166E-05	0.000101985	8.50225E-05	0.000103151	0.000108642	5.44701E-05	0.000101985	7.9752E-05
0.000104594	3.43657E-05	0.000101249	8.40364E-05	0.000102324	0.000107814	5.36529E-05	0.000101249	7.87563E-05
0.000106381	3.44562E-05	0.000103117	8.87211E-05	0.000104144	0.000109759	5.43611E-05	0.000103117	8.25616E-05
0.000116261	3.70112E-05	0.000112525	8.63319E-05	0.000113767	0.000119957	5.88873E-05	0.000112525	8.01402E-05
0.000130541	4.0407E-05	0.000125089	8.40019E-05	0.00012726	0.000134339	6.44969E-05	0.000125089	7.77775E-05
0.000143925	4.67824E-05	0.000134802	8.21147E-05	0.000138966	0.000146716	7.02467E-05	0.000134802	7.58659E-05
0.000150985	5.50594E-05	0.000137827	6.78826E-05	0.000144132	0.000151951	7.48149E-05	0.000137827	6.33473E-05
0.000148938	5.82405E-05	0.000134462	5.63806E-05	0.000141447	0.000148924	7.51577E-05	0.000134462	5.36105E-05
0.000143918	5.7032E-05	0.00012857	4.86978E-05	0.000136094	0.000143262	7.25398E-05	0.00012857	4.67824E-05
0.000137436	5.2055E-05	0.000120571	4.33316E-05	0.000129113	0.000136037	6.77209E-05	0.000120571	4.23085E-05
0.000122836	4.46633E-05	0.00010981	4.20614E-05	0.00011629	0.00012252	6.10574E-05	0.00010981	4.1026E-05
0.000112424	3.68017E-05	0.000103046	4.14238E-05	0.000107595	0.000113488	5.53546E-05	0.000103046	4.03831E-05
9.8896E-05	2.87655E-05	9.35021E-05	4.14601E-05	9.59244E-05	0.000101245	4.87518E-05	9.35021E-05	4.04316E-05
9.54863E-05	2.55613E-05	9.14753E-05	4.18988E-05	9.31734E-05	9.84232E-05	4.66293E-05	9.14753E-05	4.08821E-05
9.30601E-05	2.41676E-05	9.00043E-05	4.29712E-05	9.11774E-05	9.63126E-05	4.56486E-05	9.00043E-05	4.19777E-05
9.4924E-05	2.44018E-05	9.25238E-05	4.48761E-05	9.33052E-05	9.85408E-05	4.68868E-05	9.25238E-05	4.39137E-05
0.000101615	2.67771E-05	9.91252E-05	4.73751E-05	9.98969E-05	0.000105466	5.05186E-05	9.91252E-05	4.6442E-05
0.000112103	3.04093E-05	0.000107567	4.80868E-05	0.000109451	0.000115618	5.47778E-05	0.000107567	4.71358E-05
0.000116679	3.43408E-05	0.000112363	9.02461E-05	0.000114016	0.000120343	5.79227E-05	0.000112363	8.41509E-05
0.000115643	3.58114E-05	0.000112939	9.004E-05	0.000113607	0.000119802	5.86826E-05	0.000112939	8.39111E-05
0.000115297	3.65913E-05	0.000112826	9.09326E-05	0.000113332	0.000119436	5.92202E-05	0.000112826	8.48022E-05
0.00011334	3.71494E-05	0.000110716	9.13251E-05	0.000111293	0.000117213	5.88063E-05	0.000110716	8.51931E-05
0.000111446	3.74759E-05	0.000108467	9.17969E-05	0.000109241	0.000115007	5.81239E-05	0.000108467	8.56674E-05
0.000109864	3.65496E-05	0.000106901	8.54228E-05	0.000107692	0.000113406	5.70349E-05	0.000106901	8.01549E-05
0.00010872	3.61245E-05	0.000105368	8.5239E-05	0.0001064	0.000112072	5.61097E-05	0.000105368	7.99718E-05
0.000107616	3.50232E-05	0.000104395	8.42329E-05	0.000105381	0.000111046	5.51539E-05	0.000104395	7.89559E-05
0.000109115	3.50563E-05	0.000105987	8.88901E-05	0.000106919	0.000112692	5.57393E-05	0.000105987	8.27331E-05
0.000118613	3.75432E-05	0.000115064	8.64417E-05	0.000116183	0.000122504	6.01335E-05	0.000115064	8.02514E-05
0.000132686	4.09068E-05	0.000127471	8.41518E-05	0.00012949	0.000136686	6.56905E-05	0.000127471	7.79296E-05
0.000145908	4.72383E-05	0.000136976	8.22805E-05	0.000141016	0.000148876	7.13262E-05	0.000136976	7.60342E-05
0.000152871	5.55059E-05	0.000139953	6.81221E-05	0.000146105	0.000154025	7.58918E-05	0.000139953	6.35902E-05
0.000150552	5.86396E-05	0.000136358	5.65621E-05	0.000143166	0.000150725	7.61452E-05	0.000136358	5.37943E-05
0.000146925	5.74272E-05	0.000130354	4.87832E-05	0.000138585	0.000145932	7.34447E-05	0.000130354	4.6868E-05
0.000138793	5.23848E-05	0.000122139	4.33443E-05	0.000130548	0.000137544	6.85288E-05	0.000122139	4.23203E-05
0.000123997	4.49305E-05	0.000111085	4.20471E-05	0.000117491	0.000123785	6.16906E-05	0.000111085	4.10103E-05
0.000113107	3.69505E-05	0.000103757	4.12706E-05	0.000108287	0.000114219	5.56941E-05	0.000103757	4.02267E-05
9.8896E-05	2.87655E-05	9.35021E-05	4.14601E-05	9.59244E-05	0.000101245	4.87518E-05	9.35021E-05	4.04316E-05
9.54863E-05	2.55613E-05	9.14753E-05	4.18988E-05	9.31734E-05	9.84232E-05	4.66293E-05	9.14753E-05	4.08821E-05
9.30601E-05	2.41676E-05	9.00043E-05	4.29712E-05	9.11774E-05	9.63126E-05	4.56486E-05	9.00043E-05	4.19777E-05
9.4924E-05	2.44018E-05	9.25238E-05	4.48761E-05	9.33052E-05	9.85408E-05	4.68868E-05	9.25238E-05	4.39137E-05
0.000101615	2.67771E-05	9.91252E-05	4.73751E-05	9.98969E-05	0.000105466	5.05186E-05	9.91252E-05	4.6442E-05
0.000112103	3.04093E-05	0.000107567	4.80868E-05	0.000109451	0.000115618	5.47778E-05	0.000107567	4.71358E-05
0.000116679	3.43408E-05	0.000112363	9.02461E-05	0.000114016	0.000120343	5.79227E-05	0.000112363	8.41509E-05
0.000115643	3.58114E-05	0.000112939	9.004E-05	0.000113607	0.000119802	5.86826E-05	0.000112939	8.39111E-05
0.000115297	3.65913E-05	0.000112826	9.09326E-05	0.000113332	0.000119436	5.92202E-05	0.000112826	8.48022E-05
0.00011334	3.71494E-05	0.000110716	9.13251E-05	0.000111293	0.000117213	5.88063E-05	0.000110716	8.51931E-05
0.000111446	3.74759E-05	0.000108467	9.17969E-05	0.000109241	0.000115007	5.81239E-05	0.000108467	8.56674E-05
0.000109864	3.65496E-05	0.000106901	8.54228E-05	0.000107692	0.000113406	5.70349E-05	0.000106901	8.01549E-05
0.00010872	3.61245E-05	0.000105368	8.5239E-05	0.0001064	0.000112072	5.61097E-05	0.000105368	7.99718E-05
0.000107616	3.50232E-05	0.000104395	8.42329E-05	0.000105381	0.000111046	5.51539E-05	0.000104395	7.89559E-05
0.000109115	3.50563E-05	0.000105987	8.88901E-05	0.000106919	0.000112692	5.57393E-05	0.000105987	8.27331E-05
0.000118613	3.75432E-05	0.000115064	8.64417E-05	0.000116183	0.000122504	6.01335E-05	0.000115064	8.02514E-05
0.000132686	4.09068E-05	0.000127471	8.41518E-05	0.00012949	0.000136686	6.56905E-05	0.000127471	7.79296E-05
0.000145908	4.72383E-05	0.000136976	8.22805E-05	0.000141016	0.000148876	7.13262E-05	0.000136976	7.60342E-05
0.000152871	5.55059E-05	0.000139953	6.81221E-05	0.000146105	0.000154025	7.58918E-05	0.000139953	6.35902E-05
0.000150552	5.86396E-05	0.000136358	5.65621E-05	0.000143166	0.000150725	7.61452E-05	0.000136358	5.37943E-05
0.000146925	5.74272E-05	0.000130354	4.87832E-05	0.000138585	0.000145932	7.34447E-05	0.000130354	4.6868E-05
0.000138793	5.23848E-05	0.000122139	4.33443E-05	0.000130548	0.000137544	6.85288E-05	0.000122139	4.23203E-05
0.000123997	4.49305E-05	0.000111085	4.20471E-05	0.000117491	0.000123785	6.16906E-05	0.000111085	4.10103E-05
0.000113107	3.69505E-05	0.000103757	4.12706E-05	0.000108287	0.000114219	5.56941E-05	0.000103757	4.02267E-05
9.8896E-05	2.87655E-05	9.35021E-05	4.14601E-05	9.59244E-05	0.000101245	4.87518E-05	9.35021E-05	4.04316E-05
9.54863E-05	2.55613E-05	9.14753E-05	4.18988E-05	9.31734E-05	9.84232E-05	4.66293E-05	9.14753E-05	4.08821E-05
9.30601E-05	2.41676E-05	9.00043E-05	4.29712E-05	9.11774E-05	9.63126E-05	4.56486E-05	9.00043E-05	4.19777E-05
9.4924E-05	2.44018E-05	9.25238E-05	4.48761E-05	9.33052E-05	9.85408E-05	4.68868E-05	9.25238E-05	4.39137E-05
0.000101615	2.67771E-05	9.91252E-05	4.73751E-05	9.98969E-05	0.000105466	5.05186E-05	9.91252E-05	4.6442E-05
0.000112103	3.04093E-05	0.000107567	4.80868E-05	0.000109451	0.000115618	5.47778E-05	0.000107567	4.71358E-05
0.000116679	3.43408E-05	0.000112363	9.02461E-05	0.000114016	0.000120343	5.79227E-05	0.000112363	8.41509E-05
0.000115643	3.58114E-05	0.000112939	9.004E-05	0.000113607	0.000119802	5.86826E-05	0.000112939	8.39111E-05
0.000115297	3.65913E-05	0.000112826	9.09326E-05	0.000113332	0.000119436	5.92202E-05	0.000112826	8.48022E-05
0.00011334	3.71494E-05	0.000110716	9.13251E-05	0.000111293	0.000117213	5.88063E-05	0.000110716	8.51931E-05
0.000111446	3.74759E-05	0.000108467	9.17969E-05	0.000109241	0.000115007	5.81239E-05	0.000108467	8.56674E-05
0.000109864	3.65496E-05	0.000106901	8.54228E-05	0.000107692	0.000113406	5.70349E-05	0.000106901	8.01549E-05
0.00010872	3.61245E-05	0.000105368	8.5239E-05	0.0001064	0.000112072	5.61097E-05	0.000105368	7.99718E-05
0.000107616	3.50232E-05	0.000104395	8.42329E-05	0.000105381	0.000111046	5.51539E-05	0.000104395	7.89559E-05
0.000109115	3.50563E-05	0.000105987	8.88901E-05	0.000106919	0.000112692	5.57393E-05	0.000105987	8.27331E-05

0.000118613	3.75432E-05	0.000115064	8.64417E-05	0.000116183	0.000122504	6.01335E-05	0.000115064	8.02514E-05
0.000132686	4.09068E-05	0.000127471	8.41518E-05	0.00012949	0.000136686	6.56905E-05	0.000127471	7.79296E-05
0.000145908	4.72383E-05	0.000136976	8.22805E-05	0.000141016	0.000148876	7.13262E-05	0.000136976	7.60342E-05
0.000152871	5.55059E-05	0.000139953	6.81221E-05	0.000146105	0.000154025	7.58918E-05	0.000139953	6.35902E-05
0.000150552	5.86396E-05	0.000136358	5.65621E-05	0.000143166	0.000150725	7.61452E-05	0.000136358	5.37943E-05
0.000146925	5.74272E-05	0.000130354	4.87832E-05	0.000138585	0.000145932	7.34447E-05	0.000130354	4.6868E-05
0.000138793	5.23848E-05	0.000122139	4.33443E-05	0.000130548	0.000137544	6.85288E-05	0.000122139	4.23203E-05
0.000123997	4.49305E-05	0.000111085	4.20471E-05	0.000117491	0.000123785	6.16906E-05	0.000111085	4.10103E-05
0.000113107	3.69505E-05	0.000103757	4.12706E-05	0.000108287	0.000114219	5.56941E-05	0.000103757	4.02267E-05
9.8896E-05	2.87655E-05	9.35021E-05	4.14601E-05	9.59244E-05	0.000101245	4.87518E-05	9.35021E-05	4.04316E-05
9.54863E-05	2.55613E-05	9.14753E-05	4.18988E-05	9.31734E-05	9.84232E-05	4.66293E-05	9.14753E-05	4.08821E-05
9.30601E-05	2.41676E-05	9.00043E-05	4.29712E-05	9.11774E-05	9.63126E-05	4.56486E-05	9.00043E-05	4.19777E-05
9.4924E-05	2.44018E-05	9.25238E-05	4.48761E-05	9.33052E-05	9.85408E-05	4.68868E-05	9.25238E-05	4.39137E-05
0.000101615	2.67771E-05	9.91252E-05	4.73751E-05	9.98969E-05	0.000105466	5.05186E-05	9.91252E-05	4.6442E-05
0.000112103	3.04093E-05	0.000107567	4.80868E-05	0.000109451	0.000115618	5.47778E-05	0.000107567	4.71358E-05
0.000116679	3.43408E-05	0.000112363	9.02461E-05	0.000114016	0.000120343	5.79227E-05	0.000112363	8.41509E-05
0.000115643	3.58114E-05	0.000112939	9.004E-05	0.000113607	0.000119802	5.86826E-05	0.000112939	8.39111E-05
0.000115297	3.65913E-05	0.000112826	9.09326E-05	0.000113332	0.000119436	5.92202E-05	0.000112826	8.48022E-05
0.00011334	3.71494E-05	0.000110716	9.13251E-05	0.000111293	0.000117213	5.88063E-05	0.000110716	8.51931E-05
0.000111446	3.74759E-05	0.000108467	9.17969E-05	0.000109241	0.000115007	5.81239E-05	0.000108467	8.56674E-05
0.000109864	3.65496E-05	0.000106901	8.54228E-05	0.000107692	0.000113406	5.70349E-05	0.000106901	8.01549E-05
0.00010872	3.61245E-05	0.000105368	8.5239E-05	0.0001064	0.000112072	5.61097E-05	0.000105368	7.99718E-05
0.000107616	3.50232E-05	0.000104395	8.42329E-05	0.000105381	0.000111046	5.51539E-05	0.000104395	7.89559E-05
0.000109115	3.50563E-05	0.000105987	8.88901E-05	0.000106919	0.000112692	5.57393E-05	0.000105987	8.27331E-05
0.000118613	3.75432E-05	0.000115064	8.64417E-05	0.000116183	0.000122504	6.01335E-05	0.000115064	8.02514E-05
0.000132686	4.09068E-05	0.000127471	8.41518E-05	0.00012949	0.000136686	6.56905E-05	0.000127471	7.79296E-05
0.000145908	4.72383E-05	0.000136976	8.22805E-05	0.000141016	0.000148876	7.13262E-05	0.000136976	7.60342E-05
0.000152871	5.55059E-05	0.000139953	6.81221E-05	0.000146105	0.000154025	7.58918E-05	0.000139953	6.35902E-05
0.000150552	5.86396E-05	0.000136358	5.65621E-05	0.000143166	0.000150725	7.61452E-05	0.000136358	5.37943E-05
0.000146925	5.74272E-05	0.000130354	4.87832E-05	0.000138585	0.000145932	7.34447E-05	0.000130354	4.6868E-05
0.000138793	5.23848E-05	0.000122139	4.33443E-05	0.000130548	0.000137544	6.85288E-05	0.000122139	4.23203E-05
0.000123997	4.49305E-05	0.000111085	4.20471E-05	0.000117491	0.000123785	6.16906E-05	0.000111085	4.10103E-05
0.000113107	3.69505E-05	0.000103757	4.12706E-05	0.000108287	0.000114219	5.56941E-05	0.000103757	4.02267E-05
9.8896E-05	2.87655E-05	9.35021E-05	4.14601E-05	9.59244E-05	0.000101245	4.87518E-05	9.35021E-05	4.04316E-05
9.54863E-05	2.55613E-05	9.14753E-05	4.18988E-05	9.31734E-05	9.84232E-05	4.66293E-05	9.14753E-05	4.08821E-05
9.30601E-05	2.41676E-05	9.00043E-05	4.29712E-05	9.11774E-05	9.63126E-05	4.56486E-05	9.00043E-05	4.19777E-05
9.4924E-05	2.44018E-05	9.25238E-05	4.48761E-05	9.33052E-05	9.85408E-05	4.68868E-05	9.25238E-05	4.39137E-05
0.000101615	2.67771E-05	9.91252E-05	4.73751E-05	9.98969E-05	0.000105466	5.05186E-05	9.91252E-05	4.6442E-05
0.000112103	3.04093E-05	0.000107567	4.80868E-05	0.000109451	0.000115618	5.47778E-05	0.000107567	4.71358E-05
0.000116679	3.43408E-05	0.000112363	9.02461E-05	0.000114016	0.000120343	5.79227E-05	0.000112363	8.41509E-05
0.000115643	3.58114E-05	0.000112939	9.004E-05	0.000113607	0.000119802	5.86826E-05	0.000112939	8.39111E-05
0.000115297	3.65913E-05	0.000112826	9.09326E-05	0.000113332	0.000119436	5.92202E-05	0.000112826	8.48022E-05
0.00011334	3.71494E-05	0.000110716	9.13251E-05	0.000111293	0.000117213	5.88063E-05	0.000110716	8.51931E-05
0.000111446	3.74759E-05	0.000108467	9.17969E-05	0.000109241	0.000115007	5.81239E-05	0.000108467	8.56674E-05
0.000109864	3.65496E-05	0.000106901	8.54228E-05	0.000107692	0.000113406	5.70349E-05	0.000106901	8.01549E-05
0.00010872	3.61245E-05	0.000105368	8.5239E-05	0.0001064	0.000112072	5.61097E-05	0.000105368	7.99718E-05
0.000107616	3.50232E-05	0.000104395	8.42329E-05	0.000105381	0.000111046	5.51539E-05	0.000104395	7.89559E-05
0.000109115	3.50563E-05	0.000105987	8.88901E-05	0.000106919	0.000112692	5.57393E-05	0.000105987	8.27331E-05
0.000118613	3.75432E-05	0.000115064	8.64417E-05	0.000116183	0.000122504	6.01335E-05	0.000115064	8.02514E-05
0.000132686	4.09068E-05	0.000127471	8.41518E-05	0.00012949	0.000136686	6.56905E-05	0.000127471	7.79296E-05
0.000145908	4.72383E-05	0.000136976	8.22805E-05	0.000141016	0.000148876	7.13262E-05	0.000136976	7.60342E-05
0.000152871	5.55059E-05	0.000139953	6.81221E-05	0.000146105	0.000154025	7.58918E-05	0.000139953	6.35902E-05
0.000150552	5.86396E-05	0.000136358	5.65621E-05	0.000143166	0.000150725	7.61452E-05	0.000136358	5.37943E-05
0.000146925	5.74272E-05	0.000130354	4.87832E-05	0.000138585	0.000145932	7.34447E-05	0.000130354	4.6868E-05
0.000138793	5.23848E-05	0.000122139	4.33443E-05	0.000130548	0.000137544	6.85288E-05	0.000122139	4.23203E-05
0.000123997	4.49305E-05	0.000111085	4.20471E-05	0.000117491	0.000123785	6.16906E-05	0.000111085	4.10103E-05
0.000113107	3.69505E-05	0.000103757	4.12706E-05	0.000108287	0.000114219	5.56941E-05	0.000103757	4.02267E-05
9.86778E-05	2.87137E-05	9.32553E-05	4.138E-05	9.56958E-05	0.000101005	4.86265E-05	9.32553E-05	4.03513E-05
9.41019E-05	2.52312E-05	8.99041E-05	4.18771E-05	9.17206E-05	9.68967E-05	4.58296E-05	8.99041E-05	4.08608E-05
9.16993E-05	2.38436E-05	8.84621E-05	4.29882E-05	8.97503E-05	9.4813E-05	4.48645E-05	8.84621E-05	4.19955E-05
9.36138E-05	2.40971E-05	9.10715E-05	4.48348E-05	9.19443E-05	9.71084E-05	4.61598E-05	9.10715E-05	4.38721E-05
0.000100322	2.64828E-05	9.77211E-05	4.72923E-05	9.85657E-05	0.000104063	4.98262E-05	9.77211E-05	4.63585E-05
0.000110833	3.01179E-05	0.000106177	4.79304E-05	0.000108139	0.000114235	5.40886E-05	0.000106177	4.69771E-05
0.000116969	3.40917E-05	0.000111079	9.00713E-05	0.000113662	0.000120022	5.72725E-05	0.000111079	8.39737E-05
0.000113993	3.54469E-05	0.000111197	8.9819E-05	0.000111928	0.000118028	5.78416E-05	0.000111197	8.36866E-05
0.000113179	3.61264E-05	0.000110603	9.06605E-05	0.000111183	0.000117164	5.81524E-05	0.000110603	8.45255E-05
0.000110623	3.6557E-05	0.000107882	9.1078E-05	0.000108543	0.000114305	5.74518E-05	0.000107882	8.49419E-05
0.000108404	3.68117E-05	0.00010529	9.16282E-05	0.00010616	0.00011175	5.66038E-05	0.00010529	8.5496E-05
0.000106712	3.58572E-05	0.000103591	8.5245E-05	0.000104492	0.000110024	5.54435E-05	0.000103591	7.99746E-05
0.000105534	3.54166E-05	0.000101985	8.50225E-05	0.000103151	0.000108642	5.44701E-05	0.000101985	7.9752E-05
0.000104594	3.43657E-05	0.000101249	8.40364E-05	0.000102324	0.000107814	5.36529E-05	0.000101249	7.87563E-05
0.000106381	3.44562E-05	0.000103117	8.87211E-05	0.000104144	0.000109759	5.43611E-05	0.000103117	8.25616E-05
0.000116261	3.70112E-05	0.000112525	8.63319E-05	0.000113767	0.000119957	5.88873E-05	0.000112525	8.01402E-05
0.000130541	4.0407E-05	0.000125089	8.40019E-05	0.00012726	0.000134339	6.44969E-05	0.000125089	7.77775E-05
0.000143925	4.67824E-05	0.000134802	8.21147E-05	0.000138966	0.000146716	7.02467E-05	0.000134802	7.58659E-05
0.000150985	5.50594E-05	0.000137827	6.78826E-05	0.000144132	0.000151951	7.48149E-05	0.000137827	6.33473E-05

0.000148938	5.82405E-05	0.000134462	5.63806E-05	0.000141447	0.000148924	7.51577E-05	0.000134462	5.36105E-05
0.000143918	5.7032E-05	0.00012857	4.86978E-05	0.000136094	0.000143262	7.25398E-05	0.00012857	4.67824E-05
0.000137436	5.2055E-05	0.000120571	4.33316E-05	0.000129113	0.000136037	6.77209E-05	0.000120571	4.23085E-05
0.000122836	4.46633E-05	0.00010981	4.20614E-05	0.00011629	0.00012252	6.10574E-05	0.00010981	4.1026E-05
0.000112424	3.68017E-05	0.000103046	4.14238E-05	0.000107595	0.000113488	5.53546E-05	0.000103046	4.03831E-05
9.86778E-05	2.87137E-05	9.32553E-05	4.138E-05	9.56958E-05	0.000101005	4.86265E-05	9.32553E-05	4.03513E-05
9.41019E-05	2.52312E-05	8.99041E-05	4.18771E-05	9.17206E-05	9.68967E-05	4.58296E-05	8.99041E-05	4.08608E-05
9.16993E-05	2.38436E-05	8.84621E-05	4.29882E-05	8.97503E-05	9.4813E-05	4.48645E-05	8.84621E-05	4.19955E-05
9.36138E-05	2.40971E-05	9.10715E-05	4.48348E-05	9.19443E-05	9.71084E-05	4.61598E-05	9.10715E-05	4.38721E-05
0.000100322	2.64828E-05	9.77211E-05	4.72923E-05	9.85657E-05	0.000104063	4.98262E-05	9.77211E-05	4.63585E-05
0.000110833	3.01179E-05	0.000106177	4.79304E-05	0.000108139	0.000114235	5.40886E-05	0.000106177	4.69771E-05
0.000116969	3.40917E-05	0.000111079	9.00713E-05	0.000113662	0.000120022	5.72725E-05	0.000111079	8.39737E-05
0.000113993	3.54469E-05	0.000111197	8.9819E-05	0.000111928	0.000118028	5.78416E-05	0.000111197	8.36866E-05
0.000113179	3.61264E-05	0.000110603	9.06605E-05	0.000111183	0.000117164	5.81524E-05	0.000110603	8.45255E-05
0.000110623	3.6557E-05	0.000107882	9.1078E-05	0.000108543	0.000114305	5.74518E-05	0.000107882	8.49419E-05
0.000108404	3.68117E-05	0.00010529	9.16282E-05	0.00010616	0.00011175	5.66038E-05	0.00010529	8.5496E-05
0.000106712	3.58572E-05	0.000103591	8.5245E-05	0.000104492	0.000110024	5.54435E-05	0.000103591	7.99746E-05
0.000105534	3.54166E-05	0.000101985	8.50225E-05	0.000103151	0.000108642	5.44701E-05	0.000101985	7.9752E-05
0.000104594	3.43657E-05	0.000101249	8.40364E-05	0.000102324	0.000107814	5.36529E-05	0.000101249	7.87563E-05
0.000106381	3.44562E-05	0.000103117	8.87211E-05	0.000104144	0.000109759	5.43611E-05	0.000103117	8.25616E-05
0.000116261	3.70112E-05	0.000112525	8.63319E-05	0.000113767	0.000119957	5.88873E-05	0.000112525	8.01402E-05
0.000130541	4.0407E-05	0.000125089	8.40019E-05	0.00012726	0.000134339	6.44969E-05	0.000125089	7.77775E-05
0.000143925	4.67824E-05	0.000134802	8.21147E-05	0.000138966	0.000146716	7.02467E-05	0.000134802	7.58659E-05
0.000150985	5.50594E-05	0.000137827	6.78826E-05	0.000144132	0.000151951	7.48149E-05	0.000137827	6.33473E-05
0.000148938	5.82405E-05	0.000134462	5.63806E-05	0.000141447	0.000148924	7.51577E-05	0.000134462	5.36105E-05
0.000143918	5.7032E-05	0.00012857	4.86978E-05	0.000136094	0.000143262	7.25398E-05	0.00012857	4.67824E-05
0.000137436	5.2055E-05	0.000120571	4.33316E-05	0.000129113	0.000136037	6.77209E-05	0.000120571	4.23085E-05
0.000122836	4.46633E-05	0.00010981	4.20614E-05	0.00011629	0.00012252	6.10574E-05	0.00010981	4.1026E-05
0.000112424	3.68017E-05	0.000103046	4.14238E-05	0.000107595	0.000113488	5.53546E-05	0.000103046	4.03831E-05
9.8896E-05	2.87655E-05	9.35021E-05	4.14601E-05	9.59244E-05	0.000101245	4.87518E-05	9.35021E-05	4.04316E-05
9.54863E-05	2.55613E-05	9.14753E-05	4.18988E-05	9.31734E-05	9.84232E-05	4.66293E-05	9.14753E-05	4.08821E-05
9.30601E-05	2.41676E-05	9.00043E-05	4.29712E-05	9.11774E-05	9.63126E-05	4.56486E-05	9.00043E-05	4.19777E-05
9.4924E-05	2.44018E-05	9.25238E-05	4.48761E-05	9.33052E-05	9.85408E-05	4.68868E-05	9.25238E-05	4.39137E-05
0.000101615	2.67771E-05	9.91252E-05	4.73751E-05	9.98969E-05	0.000105466	5.05186E-05	9.91252E-05	4.6442E-05
0.000112103	3.04093E-05	0.000107567	4.80868E-05	0.000109451	0.000115618	5.47778E-05	0.000107567	4.71358E-05
0.000116679	3.43408E-05	0.000112363	9.02461E-05	0.000114016	0.000120343	5.79227E-05	0.000112363	8.41509E-05
0.000115643	3.58114E-05	0.000112939	9.004E-05	0.000113607	0.000119802	5.86826E-05	0.000112939	8.39111E-05
0.000115297	3.65913E-05	0.000112826	9.09326E-05	0.000113332	0.000119436	5.92202E-05	0.000112826	8.48022E-05
0.00011334	3.71494E-05	0.000110716	9.13251E-05	0.000111293	0.000117213	5.88063E-05	0.000110716	8.51931E-05
0.000111446	3.74759E-05	0.000108467	9.17969E-05	0.000109241	0.000115007	5.81239E-05	0.000108467	8.56674E-05
0.000109864	3.65496E-05	0.000106901	8.54228E-05	0.000107692	0.000113406	5.70349E-05	0.000106901	8.01549E-05
0.00010872	3.61245E-05	0.000105368	8.5239E-05	0.0001064	0.000112072	5.61097E-05	0.000105368	7.99718E-05
0.000107616	3.50232E-05	0.000104395	8.42329E-05	0.000105381	0.000111046	5.51539E-05	0.000104395	7.89559E-05
0.000109115	3.50563E-05	0.000105987	8.88901E-05	0.000106919	0.000112692	5.57393E-05	0.000105987	8.27331E-05
0.000118613	3.75432E-05	0.000115064	8.64417E-05	0.000116183	0.000122504	6.01335E-05	0.000115064	8.02514E-05
0.000132686	4.09068E-05	0.000127471	8.41518E-05	0.00012949	0.000136686	6.56905E-05	0.000127471	7.79296E-05
0.000145908	4.72383E-05	0.000136976	8.22805E-05	0.000141016	0.000148876	7.13262E-05	0.000136976	7.60342E-05
0.000152871	5.55059E-05	0.000139953	6.81221E-05	0.000146105	0.000154025	7.58918E-05	0.000139953	6.35902E-05
0.000150552	5.86396E-05	0.000136358	5.65621E-05	0.000143166	0.000150725	7.61452E-05	0.000136358	5.37943E-05
0.000146925	5.74272E-05	0.000130354	4.87832E-05	0.000138585	0.000145932	7.34447E-05	0.000130354	4.6868E-05
0.000138793	5.23848E-05	0.000122139	4.33443E-05	0.000130548	0.000137544	6.85288E-05	0.000122139	4.23203E-05
0.000123997	4.49305E-05	0.000111085	4.20471E-05	0.000117491	0.000123785	6.16906E-05	0.000111085	4.10103E-05
0.000113107	3.69505E-05	0.000103757	4.12706E-05	0.000108287	0.000114219	5.56941E-05	0.000103757	4.02267E-05
9.8896E-05	2.87655E-05	9.35021E-05	4.14601E-05	9.59244E-05	0.000101245	4.87518E-05	9.35021E-05	4.04316E-05
9.54863E-05	2.55613E-05	9.14753E-05	4.18988E-05	9.31734E-05	9.84232E-05	4.66293E-05	9.14753E-05	4.08821E-05
9.30601E-05	2.41676E-05	9.00043E-05	4.29712E-05	9.11774E-05	9.63126E-05	4.56486E-05	9.00043E-05	4.19777E-05
9.4924E-05	2.44018E-05	9.25238E-05	4.48761E-05	9.33052E-05	9.85408E-05	4.68868E-05	9.25238E-05	4.39137E-05
0.000101615	2.67771E-05	9.91252E-05	4.73751E-05	9.98969E-05	0.000105466	5.05186E-05	9.91252E-05	4.6442E-05
0.000112103	3.04093E-05	0.000107567	4.80868E-05	0.000109451	0.000115618	5.47778E-05	0.000107567	4.71358E-05
0.000116679	3.43408E-05	0.000112363	9.02461E-05	0.000114016	0.000120343	5.79227E-05	0.000112363	8.41509E-05
0.000115643	3.58114E-05	0.000112939	9.004E-05	0.000113607	0.000119802	5.86826E-05	0.000112939	8.39111E-05
0.000115297	3.65913E-05	0.000112826	9.09326E-05	0.000113332	0.000119436	5.92202E-05	0.000112826	8.48022E-05
0.00011334	3.71494E-05	0.000110716	9.13251E-05	0.000111293	0.000117213	5.88063E-05	0.000110716	8.51931E-05
0.000111446	3.74759E-05	0.000108467	9.17969E-05	0.000109241	0.000115007	5.81239E-05	0.000108467	8.56674E-05
0.000109864	3.65496E-05	0.000106901	8.54228E-05	0.000107692	0.000113406	5.70349E-05	0.000106901	8.01549E-05
0.00010872	3.61245E-05	0.000105368	8.5239E-05	0.0001064	0.000112072	5.61097E-05	0.000105368	7.99718E-05
0.000107616	3.50232E-05	0.000104395	8.42329E-05	0.000105381	0.000111046	5.51539E-05	0.000104395	7.89559E-05
0.000109115	3.50563E-05	0.000105987	8.88901E-05	0.000106919	0.000112692	5.57393E-05	0.000105987	8.27331E-05
0.000118613	3.75432E-05	0.000115064	8.64417E-05	0.000116183	0.000122504	6.01335E-05	0.000115064	8.02514E-05
0.000132686	4.09068E-05	0.000127471	8.41518E-05	0.00012949	0.000136686	6.56905E-05	0.000127471	7.79296E-05
0.000145908	4.72383E-05	0.000136976	8.22805E-05	0.000141016	0.000148876	7.13262E-05	0.000136976	7.60342E-05
0.000152871	5.55059E-05	0.000139953	6.81221E-05	0.000146105	0.000154025	7.58918E-05	0.000139953	6.35902E-05
0.000150552	5.86396E-05	0.000136358	5.65621E-05	0.000143166	0.000150725	7.61452E-05	0.000136358	5.37943E-05
0.000146925	5.74272E-05	0.000130354	4.87832E-05	0.000138585	0.000145932	7.34447E-05	0.000130354	4.6868E-05
0.000138793	5.23848E-05	0.000122139	4.33443E-05	0.000130548	0.000137544	6.85288E-05	0.000122139	4.23203E-05
0.000123997	4.49305E-05	0.000111085	4.20471E-05	0.000117491	0.000123785	6.16906E-05	0.000111085	4.10103E-05

0.000113107	3.69505E-05	0.000103757	4.12706E-05	0.000108287	0.000114219	5.56941E-05	0.000103757	4.02267E-05
9.8896E-05	2.87655E-05	9.35021E-05	4.14601E-05	9.59244E-05	0.000101245	4.87518E-05	9.35021E-05	4.04316E-05
9.54863E-05	2.55613E-05	9.14753E-05	4.18988E-05	9.31734E-05	9.84232E-05	4.66293E-05	9.14753E-05	4.08821E-05
9.30601E-05	2.41676E-05	9.00043E-05	4.29712E-05	9.11774E-05	9.63126E-05	4.56486E-05	9.00043E-05	4.19777E-05
9.4924E-05	2.44018E-05	9.25238E-05	4.48761E-05	9.33052E-05	9.85408E-05	4.68868E-05	9.25238E-05	4.39137E-05
0.000101615	2.67771E-05	9.91252E-05	4.73751E-05	9.98969E-05	0.000105466	5.05186E-05	9.91252E-05	4.6442E-05
0.000112103	3.04093E-05	0.000107567	4.80868E-05	0.000109451	0.000115618	5.47778E-05	0.000107567	4.71358E-05
0.000116679	3.43408E-05	0.000112363	9.02461E-05	0.000114016	0.000120343	5.79227E-05	0.000112363	8.41509E-05
0.000115643	3.58114E-05	0.000112939	9.004E-05	0.000113607	0.000119802	5.86826E-05	0.000112939	8.39111E-05
0.000115297	3.65913E-05	0.000112826	9.09326E-05	0.000113332	0.000119436	5.92202E-05	0.000112826	8.48022E-05
0.00011334	3.71494E-05	0.000110716	9.13251E-05	0.000111293	0.000117213	5.88063E-05	0.000110716	8.51931E-05
0.000111446	3.74759E-05	0.000108467	9.17969E-05	0.000109241	0.000115007	5.81239E-05	0.000108467	8.56674E-05
0.000109864	3.65496E-05	0.000106901	8.54228E-05	0.000107692	0.000113406	5.70349E-05	0.000106901	8.01549E-05
0.00010872	3.61245E-05	0.000105368	8.5239E-05	0.0001064	0.000112072	5.61097E-05	0.000105368	7.99718E-05
0.000107616	3.50232E-05	0.000104395	8.42329E-05	0.000105381	0.000111046	5.51539E-05	0.000104395	7.89559E-05
0.000109115	3.50563E-05	0.000105987	8.88901E-05	0.000106919	0.000112692	5.57393E-05	0.000105987	8.27331E-05
0.000118613	3.75432E-05	0.000115064	8.64417E-05	0.000116183	0.000122504	6.01335E-05	0.000115064	8.02514E-05
0.000132686	4.09068E-05	0.000127471	8.41518E-05	0.00012949	0.000136686	6.56905E-05	0.000127471	7.79296E-05
0.000145908	4.72383E-05	0.000136976	8.22805E-05	0.000141016	0.000148876	7.13262E-05	0.000136976	7.60342E-05
0.000152871	5.55059E-05	0.000139953	6.81221E-05	0.000146105	0.000154025	7.58918E-05	0.000139953	6.35902E-05
0.000150552	5.86396E-05	0.000136358	5.65621E-05	0.000143166	0.000150725	7.61452E-05	0.000136358	5.37943E-05
0.000146925	5.74272E-05	0.000130354	4.87832E-05	0.000138585	0.000145932	7.34447E-05	0.000130354	4.6868E-05
0.000138793	5.23848E-05	0.000122139	4.33443E-05	0.000130548	0.000137544	6.85288E-05	0.000122139	4.23203E-05
0.000123997	4.49305E-05	0.000111085	4.20471E-05	0.000117491	0.000123785	6.16906E-05	0.000111085	4.10103E-05

9.36138E-05	2.40971E-05	9.10715E-05	4.48348E-05	9.19443E-05	9.71084E-05	4.61598E-05	9.10715E-05	4.38721E-05
0.000100322	2.64828E-05	9.77211E-05	4.72923E-05	9.85657E-05	0.000104063	4.98262E-05	9.77211E-05	4.63585E-05
0.000110833	3.01179E-05	0.000106177	4.79304E-05	0.000108139	0.000114235	5.40886E-05	0.000106177	4.69771E-05
0.000116969	3.40917E-05	0.000111079	9.00713E-05	0.000113662	0.000120022	5.72725E-05	0.000111079	8.39737E-05
0.000113993	3.54469E-05	0.000111197	8.9819E-05	0.000111928	0.000118028	5.78416E-05	0.000111197	8.36866E-05
0.000113179	3.61264E-05	0.000110603	9.06605E-05	0.000111183	0.000117164	5.81524E-05	0.000110603	8.45255E-05
0.000110623	3.6557E-05	0.000107882	9.1078E-05	0.000108543	0.000114305	5.74518E-05	0.000107882	8.49419E-05
0.000108404	3.68117E-05	0.00010529	9.16282E-05	0.00010616	0.00011175	5.66038E-05	0.00010529	8.5496E-05
0.000106712	3.58572E-05	0.000103591	8.5245E-05	0.000104492	0.000110024	5.54435E-05	0.000103591	7.99746E-05
0.000105534	3.54166E-05	0.000101985	8.50225E-05	0.000103151	0.000108642	5.44701E-05	0.000101985	7.9752E-05
0.000104594	3.43657E-05	0.000101249	8.40364E-05	0.000102324	0.000107814	5.36529E-05	0.000101249	7.87563E-05
0.000106381	3.44562E-05	0.000103117	8.87211E-05	0.000104144	0.000109759	5.43611E-05	0.000103117	8.25616E-05
0.000116261	3.70112E-05	0.000112525	8.63319E-05	0.000113767	0.000119957	5.88873E-05	0.000112525	8.01402E-05
0.000130541	4.0407E-05	0.000125089	8.40019E-05	0.00012726	0.000134339	6.44969E-05	0.000125089	7.77775E-05
0.000143925	4.67824E-05	0.000134802	8.21147E-05	0.000138966	0.000146716	7.02467E-05	0.000134802	7.58659E-05
0.000150985	5.50594E-05	0.000137827	6.78826E-05	0.000144132	0.000151951	7.48149E-05	0.000137827	6.33473E-05
0.000148938	5.82405E-05	0.000134462	5.63806E-05	0.000141447	0.000148924	7.51577E-05	0.000134462	5.36105E-05
0.000143918	5.7032E-05	0.00012857	4.86978E-05	0.000136094	0.000143262	7.25398E-05	0.00012857	4.67824E-05
0.000137436	5.2055E-05	0.000120571	4.33316E-05	0.000129113	0.000136037	6.77209E-05	0.000120571	4.23085E-05
0.000122836	4.46633E-05	0.00010981	4.20614E-05	0.00011629	0.00012252	6.10574E-05	0.00010981	4.1026E-05
0.000112424	3.68017E-05	0.000103046	4.14238E-05	0.000107595	0.000113488	5.53546E-05	0.000103046	4.03831E-05
9.86778E-05	2.87137E-05	9.32553E-05	4.138E-05	9.56958E-05	0.000101005	4.86265E-05	9.32553E-05	4.03513E-05
9.41019E-05	2.52312E-05	8.99041E-05	4.18771E-05	9.17206E-05	9.68967E-05	4.58296E-05	8.99041E-05	4.08608E-05
9.16993E-05	2.38436E-05	8.84621E-05	4.29882E-05	8.97503E-05	9.4813E-05	4.48645E-05	8.84621E-05	4.19955E-05
9.36138E-05	2.40971E-05	9.10715E-05	4.48348E-05	9.19443E-05	9.71084E-05	4.61598E-05	9.10715E-05	4.38721E-05
0.000100322	2.64828E-05	9.77211E-05	4.72923E-05	9.85657E-05	0.000104063	4.98262E-05	9.77211E-05	4.63585E-05
0.000110833	3.01179E-05	0.000106177	4.79304E-05	0.000108139	0.000114235	5.40886E-05	0.000106177	4.69771E-05
0.000116969	3.40917E-05	0.000111079	9.00713E-05	0.000113662	0.000120022	5.72725E-05	0.000111079	8.39737E-05
0.000113993	3.54469E-05	0.000111197	8.9819E-05	0.000111928	0.000118028	5.78416E-05	0.000111197	8.36866E-05
0.000113179	3.61264E-05	0.000110603	9.06605E-05	0.000111183	0.000117164	5.81524E-05	0.000110603	8.45255E-05
0.000110623	3.6557E-05	0.000107882	9.1078E-05	0.000108543	0.000114305	5.74518E-05	0.000107882	8.49419E-05
0.000108404	3.68117E-05	0.00010529	9.16282E-05	0.00010616	0.00011175	5.66038E-05	0.00010529	8.5496E-05
0.000106712	3.58572E-05	0.000103591	8.5245E-05	0.000104492	0.000110024	5.54435E-05	0.000103591	7.99746E-05
0.000105534	3.54166E-05	0.000101985	8.50225E-05	0.000103151	0.000108642	5.44701E-05	0.000101985	7.9752E-05
0.000104594	3.43657E-05	0.000101249	8.40364E-05	0.000102324	0.000107814	5.36529E-05	0.000101249	7.87563E-05
0.000106381	3.44562E-05	0.000103117	8.87211E-05	0.000104144	0.000109759	5.43611E-05	0.000103117	8.25616E-05
0.000116261	3.70112E-05	0.000112525	8.63319E-05	0.000113767	0.000119957	5.88873E-05	0.000112525	8.01402E-05
0.000130541	4.0407E-05	0.000125089	8.40019E-05	0.00012726	0.000134339	6.44969E-05	0.000125089	7.77775E-05
0.000143925	4.67824E-05	0.000134802	8.21147E-05	0.000138966	0.000146716	7.02467E-05	0.000134802	7.58659E-05
0.000150985	5.50594E-05	0.000137827	6.78826E-05	0.000144132	0.000151951	7.48149E-05	0.000137827	6.33473E-05
0.000148938	5.82405E-05	0.000134462	5.63806E-05	0.000141447	0.000148924	7.51577E-05	0.000134462	5.36105E-05
0.000143918	5.7032E-05	0.00012857	4.86978E-05	0.000136094	0.000143262	7.25398E-05	0.00012857	4.67824E-05
0.000137436	5.2055E-05	0.000120571	4.33316E-05	0.000129113	0.000136037	6.77209E-05	0.000120571	4.23085E-05
0.000122836	4.46633E-05	0.00010981	4.20614E-05	0.00011629	0.00012252	6.10574E-05	0.00010981	4.1026E-05
0.000112424	3.68017E-05	0.000103046	4.14238E-05	0.000107595	0.000113488	5.53546E-05	0.000103046	4.03831E-05
9.8896E-05	2.87655E-05	9.35021E-05	4.14601E-05	9.59244E-05	0.000101245	4.87518E-05	9.35021E-05	4.04316E-05
9.54863E-05	2.55613E-05	9.14753E-05	4.18988E-05	9.31734E-05	9.84232E-05	4.66293E-05	9.14753E-05	4.08821E-05
9.30601E-05	2.41676E-05	9.00043E-05	4.29712E-05	9.11774E-05	9.63126E-05	4.56486E-05	9.00043E-05	4.19777E-05
9.4924E-05	2.44018E-05	9.25238E-05	4.48761E-05	9.33052E-05	9.85408E-05	4.68868E-05	9.25238E-05	4.39137E-05
0.000101615	2.67771E-05	9.91252E-05	4.73751E-05	9.98969E-05	0.000105466	5.05186E-05	9.91252E-05	4.6442E-05
0.000112103	3.04093E-05	0.000107567	4.80868E-05	0.000109451	0.000115618	5.47778E-05	0.000107567	4.71358E-05
0.000116679	3.43408E-05	0.000112363	9.02461E-05	0.000114016	0.000120343	5.79227E-05	0.000112363	8.41509E-05
0.000115643	3.58114E-05	0.000112939	9.004E-05	0.000113607	0.000119802	5.86826E-05	0.000112939	8.39111E-05
0.000115297	3.65913E-05	0.000112826	9.09326E-05	0.000113332	0.000119436	5.92202E-05	0.000112826	8.48022E-05
0.00011334	3.71494E-05	0.000110716	9.13251E-05	0.000111293	0.000117213	5.88063E-05	0.000110716	8.51931E-05
0.000111446	3.74759E-05	0.000108467	9.17969E-05	0.000109241	0.000115007	5.81239E-05	0.000108467	8.56674E-05
0.000109864	3.65496E-05	0.000106901	8.54228E-05	0.000107692	0.000113406	5.70349E-05	0.000106901	8.01549E-05
0.00010872	3.61245E-05	0.000105368	8.5239E-05	0.0001064	0.000112072	5.61097E-05	0.000105368	7.99718E-05
0.000107616	3.50232E-05	0.000104395	8.42329E-05	0.000105381	0.000111046	5.51539E-05	0.000104395	7.89559E-05
0.000109115	3.50563E-05	0.000105987	8.88901E-05	0.000106919	0.000112692	5.57393E-05	0.000105987	8.27331E-05
0.000118613	3.75432E-05	0.000115064	8.64417E-05	0.000116183	0.000122504	6.01335E-05	0.000115064	8.02514E-05
0.000132686	4.09068E-05	0.000127471	8.41518E-05	0.00012949	0.000136686	6.56905E-05	0.000127471	7.79296E-05
0.000145908	4.72383E-05	0.000136976	8.22805E-05	0.000141016	0.000148876	7.13262E-05	0.000136976	7.60342E-05
0.000152871	5.55059E-05	0.000139953	6.81221E-05	0.000146105	0.000154025	7.58918E-05	0.000139953	6.35902E-05
0.000150552	5.86396E-05	0.000136358	5.65621E-05	0.000143166	0.000150725	7.61452E-05	0.000136358	5.37943E-05
0.000146925	5.74272E-05	0.000130354	4.87832E-05	0.000138585	0.000145932	7.34447E-05	0.000130354	4.6868E-05
0.000138793	5.23848E-05	0.000122139	4.33443E-05	0.000130548	0.000137544	6.85288E-05	0.000122139	4.23203E-05
0.000123997	4.49305E-05	0.000111085	4.20471E-05	0.000117491	0.000123785	6.16906E-05	0.000111085	4.10103E-05
0.000113107	3.69505E-05	0.000103757	4.12706E-05	0.000108287	0.000114219	5.56941E-05	0.000103757	4.02267E-05
9.8896E-05	2.87655E-05	9.35021E-05	4.14601E-05	9.59244E-05	0.000101245	4.87518E-05	9.35021E-05	4.04316E-05
9.54863E-05	2.55613E-05	9.14753E-05	4.18988E-05	9.31734E-05	9.84232E-05	4.66293E-05	9.14753E-05	4.08821E-05
9.30601E-05	2.41676E-05	9.00043E-05	4.29712E-05	9.11774E-05	9.63126E-05	4.56486E-05	9.00043E-05	4.19777E-05
9.4924E-05	2.44018E-05	9.25238E-05	4.48761E-05	9.33052E-05	9.85408E-05	4.68868E-05	9.25238E-05	4.39137E-05
0.000101615	2.67771E-05	9.91252E-05	4.73751E-05	9.98969E-05	0.000105466	5.05186E-05	9.91252E-05	4.6442E-05
0.000112103	3.04093E-05	0.000107567	4.80868E-05	0.000109451	0.000115618	5.47778E-05	0.000107567	4.71358E-05
0.000116679	3.43408E-05	0.000112363	9.02461E-05	0.000114016	0.000120343	5.79227E-05	0.000112363	8.41509E-05

0.000115643	3.58114E-05	0.000112939	9.004E-05	0.000113607	0.000119802	5.86826E-05	0.000112939	8.39111E-05
0.000115297	3.65913E-05	0.000112826	9.09326E-05	0.000113332	0.000119436	5.92202E-05	0.000112826	8.48022E-05
0.00011334	3.71494E-05	0.000110716	9.13251E-05	0.000111293	0.000117213	5.88063E-05	0.000110716	8.51931E-05
0.000111446	3.74759E-05	0.000108467	9.17969E-05	0.000109241	0.000115007	5.81239E-05	0.000108467	8.56674E-05
0.000109864	3.65496E-05	0.000106901	8.54228E-05	0.000107692	0.000113406	5.70349E-05	0.000106901	8.01549E-05
0.00010872	3.61245E-05	0.000105368	8.5239E-05	0.0001064	0.000112072	5.61097E-05	0.000105368	7.99718E-05
0.000107616	3.50232E-05	0.000104395	8.42329E-05	0.000105381	0.000111046	5.51539E-05	0.000104395	7.89559E-05
0.000109115	3.50563E-05	0.000105987	8.88901E-05	0.000106919	0.000112692	5.57393E-05	0.000105987	8.27331E-05
0.000118613	3.75432E-05	0.000115064	8.64417E-05	0.000116183	0.000122504	6.01335E-05	0.000115064	8.02514E-05
0.000132686	4.09068E-05	0.000127471	8.41518E-05	0.00012949	0.000136686	6.56905E-05	0.000127471	7.79296E-05
0.000145908	4.72383E-05	0.000136976	8.22805E-05	0.000141016	0.000148876	7.13262E-05	0.000136976	7.60342E-05
0.000152871	5.55059E-05	0.000139953	6.81221E-05	0.000146105	0.000154025	7.58918E-05	0.000139953	6.35902E-05
0.000150552	5.86396E-05	0.000136358	5.65621E-05	0.000143166	0.000150725	7.61452E-05	0.000136358	5.37943E-05
0.000146925	5.74272E-05	0.000130354	4.87832E-05	0.000138585	0.000145932	7.34447E-05	0.000130354	4.6868E-05
0.000138793	5.23848E-05	0.000122139	4.33443E-05	0.000130548	0.000137544	6.85288E-05	0.000122139	4.23203E-05
0.000123997	4.49305E-05	0.000111085	4.20471E-05	0.000117491	0.000123785	6.16906E-05	0.000111085	4.10103E-05
0.000113107	3.69505E-05	0.000103757	4.12706E-05	0.000108287	0.000114219	5.56941E-05	0.000103757	4.02267E-05
9.8896E-05	2.87655E-05	9.35021E-05	4.14601E-05	9.59244E-05	0.000101245	4.87518E-05	9.35021E-05	4.04316E-05
9.54863E-05	2.55613E-05	9.14753E-05	4.18988E-05	9.31734E-05	9.84232E-05	4.66293E-05	9.14753E-05	4.08821E-05
9.30601E-05	2.41676E-05	9.00043E-05	4.29712E-05	9.11774E-05	9.63126E-05	4.56486E-05	9.00043E-05	4.19777E-05
9.4924E-05	2.44018E-05	9.25238E-05	4.48761E-05	9.33052E-05	9.85408E-05	4.68868E-05	9.25238E-05	4.39137E-05
0.000101615	2.67771E-05	9.91252E-05	4.73751E-05	9.98969E-05	0.000105466	5.05186E-05	9.91252E-05	4.6442E-05
0.000112103	3.04093E-05	0.000107567	4.80868E-05	0.000109451	0.000115618	5.47778E-05	0.000107567	4.71358E-05
0.000116679	3.43408E-05	0.000112363	9.02461E-05	0.000114016	0.000120343	5.79227E-05	0.000112363	8.41509E-05
0.000115643	3.58114E-05	0.000112939	9.004E-05	0.000113607	0.000119802	5.86826E-05	0.000112939	8.39111E-05
0.000115297	3.65913E-05	0.000112826	9.09326E-05	0.000113332	0.000119436	5.92202E-05	0.000112826	8.48022E-05
0.00011334	3.71494E-05	0.000110716	9.13251E-05	0.000111293	0.000117213	5.88063E-05	0.000110716	8.51931E-05
0.000111446	3.74759E-05	0.000108467	9.17969E-05	0.000109241	0.000115007	5.81239E-05	0.000108467	8.56674E-05
0.000109864	3.65496E-05	0.000106901	8.54228E-05	0.000107692	0.000113406	5.70349E-05	0.000106901	8.01549E-05
0.00010872	3.61245E-05	0.000105368	8.5239E-05	0.0001064	0.000112072	5.61097E-05	0.000105368	7.99718E-05
0.000107616	3.50232E-05	0.000104395	8.42329E-05	0.000105381	0.000111046	5.51539E-05	0.000104395	7.89559E-05
0.000109115	3.50563E-05	0.000105987	8.88901E-05	0.000106919	0.000112692	5.57393E-05	0.000105987	8.27331E-05
0.000118613	3.75432E-05	0.000115064	8.64417E-05	0.000116183	0.000122504	6.01335E-05	0.000115064	8.02514E-05
0.000132686	4.09068E-05	0.000127471	8.41518E-05	0.00012949	0.000136686	6.56905E-05	0.000127471	7.79296E-05
0.000145908	4.72383E-05	0.000136976	8.22805E-05	0.000141016	0.000148876	7.13262E-05	0.000136976	7.60342E-05
0.000152871	5.55059E-05	0.000139953	6.81221E-05	0.000146105	0.000154025	7.58918E-05	0.000139953	6.35902E-05
0.000150552	5.86396E-05	0.000136358	5.65621E-05	0.000143166	0.000150725	7.61452E-05	0.000136358	5.37943E-05
0.000146925	5.74272E-05	0.000130354	4.87832E-05	0.000138585	0.000145932	7.34447E-05	0.000130354	4.6868E-05
0.000138793	5.23848E-05	0.000122139	4.33443E-05	0.000130548	0.000137544	6.85288E-05	0.000122139	4.23203E-05
0.000123997	4.49305E-05	0.000111085	4.20471E-05	0.000117491	0.000123785	6.16906E-05	0.000111085	4.10103E-05
0.000113107	3.69505E-05	0.000103757	4.12706E-05	0.000108287	0.000114219	5.56941E-05	0.000103757	4.02267E-05
9.8896E-05	2.87655E-05	9.35021E-05	4.14601E-05	9.59244E-05	0.000101245	4.87518E-05	9.35021E-05	4.04316E-05
9.54863E-05	2.55613E-05	9.14753E-05	4.18988E-05	9.31734E-05	9.84232E-05	4.66293E-05	9.14753E-05	4.08821E-05
9.30601E-05	2.41676E-05	9.00043E-05	4.29712E-05	9.11774E-05	9.63126E-05	4.56486E-05	9.00043E-05	4.19777E-05
9.4924E-05	2.44018E-05	9.25238E-05	4.48761E-05	9.33052E-05	9.85408E-05	4.68868E-05	9.25238E-05	4.39137E-05
0.000101615	2.67771E-05	9.91252E-05	4.73751E-05	9.98969E-05	0.000105466	5.05186E-05	9.91252E-05	4.6442E-05
0.000112103	3.04093E-05	0.000107567	4.80868E-05	0.000109451	0.000115618	5.47778E-05	0.000107567	4.71358E-05
0.000116679	3.43408E-05	0.000112363	9.02461E-05	0.000114016	0.000120343	5.79227E-05	0.000112363	8.41509E-05
0.000115643	3.58114E-05	0.000112939	9.004E-05	0.000113607	0.000119802	5.86826E-05	0.000112939	8.39111E-05
0.000115297	3.65913E-05	0.000112826	9.09326E-05	0.000113332	0.000119436	5.92202E-05	0.000112826	8.48022E-05
0.00011334	3.71494E-05	0.000110716	9.13251E-05	0.000111293	0.000117213	5.88063E-05	0.000110716	8.51931E-05
0.000111446	3.74759E-05	0.000108467	9.17969E-05	0.000109241	0.000115007	5.81239E-05	0.000108467	8.56674E-05

0.000109864	3.65496E-05	0.000106901	8.54228E-05	0.000107692	0.000113406	5.70349E-05	0.000106901	8.01549E-05
0.00010872	3.61245E-05	0.000105368	8.5239E-05	0.0001064	0.000112072	5.61097E-05	0.000105368	7.99718E-05
0.000107616	3.50232E-05	0.000104395	8.42329E-05	0.000105381	0.000111046	5.51539E-05	0.000104395	7.89559E-05
0.000109115	3.50563E-05	0.000105987	8.88901E-05	0.000106919	0.000112692	5.57393E-05	0.000105987	8.27331E-05
0.000118613	3.75432E-05	0.000115064	8.64417E-05	0.000116183	0.000122504	6.01335E-05	0.000115064	8.02514E-05
0.000132686	4.09068E-05	0.000127471	8.41518E-05	0.00012949	0.000136686	6.56905E-05	0.000127471	7.79296E-05
0.000145908	4.72383E-05	0.000136976	8.22805E-05	0.000141016	0.000148876	7.13262E-05	0.000136976	7.60342E-05
0.000152871	5.55059E-05	0.000139953	6.81221E-05	0.000146105	0.000154025	7.58918E-05	0.000139953	6.35902E-05
0.000150552	5.86396E-05	0.000136358	5.65621E-05	0.000143166	0.000150725	7.61452E-05	0.000136358	5.37943E-05
0.000146925	5.74272E-05	0.000130354	4.87832E-05	0.000138585	0.000145932	7.34447E-05	0.000130354	4.6868E-05
0.000138793	5.23848E-05	0.000122139	4.33443E-05	0.000130548	0.000137544	6.85288E-05	0.000122139	4.23203E-05
0.000123997	4.49305E-05	0.000111085	4.20471E-05	0.000117491	0.000123785	6.16906E-05	0.000111085	4.10103E-05
0.000113107	3.69505E-05	0.000103757	4.12706E-05	0.000108287	0.000114219	5.56941E-05	0.000103757	4.02267E-05
9.86778E-05	2.87137E-05	9.32553E-05	4.138E-05	9.56958E-05	0.000101005	4.86265E-05	9.32553E-05	4.03513E-05
9.41019E-05	2.52312E-05	8.99041E-05	4.18771E-05	9.17206E-05	9.68967E-05	4.58296E-05	8.99041E-05	4.08608E-05
9.16993E-05	2.38436E-05	8.84621E-05	4.29882E-05	8.97503E-05	9.4813E-05	4.48645E-05	8.84621E-05	4.19955E-05
9.36138E-05	2.40971E-05	9.10715E-05	4.48348E-05	9.19443E-05	9.71084E-05	4.61598E-05	9.10715E-05	4.38721E-05
0.000100322	2.64828E-05	9.77211E-05	4.72923E-05	9.85657E-05	0.000104063	4.98262E-05	9.77211E-05	4.63585E-05
0.000110833	3.01179E-05	0.000106177	4.79304E-05	0.000108139	0.000114235	5.40886E-05	0.000106177	4.69771E-05
0.000116969	3.40917E-05	0.000111079	9.00713E-05	0.000113662	0.000120022	5.72725E-05	0.000111079	8.39737E-05
0.000113993	3.54469E-05	0.000111197	8.9819E-05	0.000111928	0.000118028	5.78416E-05	0.000111197	8.36866E-05
0.000113179	3.61264E-05	0.000110603	9.06605E-05	0.000111183	0.000117164	5.81524E-05	0.000110603	8.45255E-05
0.000110623	3.6557E-05	0.000107882	9.1078E-05	0.000108543	0.000114305	5.74518E-05	0.000107882	8.49419E-05
0.000108404	3.68117E-05	0.00010529	9.16282E-05	0.00010616	0.00011175	5.66038E-05	0.00010529	8.5496E-05
0.000106712	3.58572E-05	0.000103591	8.5245E-05	0.000104492	0.000110024	5.54435E-05	0.000103591	7.99746E-05
0.000105534	3.54166E-05	0.000101985	8.50225E-05	0.000103151	0.000108642	5.44701E-05	0.000101985	7.9752E-05
0.000104594	3.43657E-05	0.000101249	8.40364E-05	0.000102324	0.000107814	5.36529E-05	0.000101249	7.87563E-05
0.000106381	3.44562E-05	0.000103117	8.87211E-05	0.000104144	0.000109759	5.43611E-05	0.000103117	8.25616E-05
0.000116261	3.70112E-05	0.000112525	8.63319E-05	0.000113767	0.000119957	5.88873E-05	0.000112525	8.01402E-05
0.000130541	4.0407E-05	0.000125089	8.40019E-05	0.00012726	0.000134339	6.44969E-05	0.000125089	7.77775E-05
0.000143925	4.67824E-05	0.000134802	8.21147E-05	0.000138966	0.000146716	7.02467E-05	0.000134802	7.58659E-05
0.000150985	5.50594E-05	0.000137827	6.78826E-05	0.000144132	0.000151951	7.48149E-05	0.000137827	6.33473E-05
0.000148938	5.82405E-05	0.000134462	5.63806E-05	0.000141447	0.000148924	7.51577E-05	0.000134462	5.36105E-05
0.000143918	5.7032E-05	0.00012857	4.86978E-05	0.000136094	0.000143262	7.25398E-05	0.00012857	4.67824E-05
0.000137436	5.2055E-05	0.000120571	4.33316E-05	0.000129113	0.000136037	6.77209E-05	0.000120571	4.23085E-05
0.000122836	4.46633E-05	0.00010981	4.20614E-05	0.00011629	0.00012252	6.10574E-05	0.00010981	4.1026E-05
0.000112424	3.68017E-05	0.000103046	4.14238E-05	0.000107595	0.000113488	5.53546E-05	0.000103046	4.03831E-05
9.86778E-05	2.87137E-05	9.32553E-05	4.138E-05	9.56958E-05	0.000101005	4.86265E-05	9.32553E-05	4.03513E-05
9.41019E-05	2.52312E-05	8.99041E-05	4.18771E-05	9.17206E-05	9.68967E-05	4.58296E-05	8.99041E-05	4.08608E-05
9.16993E-05	2.38436E-05	8.84621E-05	4.29882E-05	8.97503E-05	9.4813E-05	4.48645E-05	8.84621E-05	4.19955E-05
9.36138E-05	2.40971E-05	9.10715E-05	4.48348E-05	9.19443E-05	9.71084E-05	4.61598E-05	9.10715E-05	4.38721E-05
0.000100322	2.64828E-05	9.77211E-05	4.72923E-05	9.85657E-05	0.000104063	4.98262E-05	9.77211E-05	4.63585E-05
0.000110833	3.01179E-05	0.000106177	4.79304E-05	0.000108139	0.000114235	5.40886E-05	0.000106177	4.69771E-05
0.000116969	3.40917E-05	0.000111079	9.00713E-05	0.000113662	0.000120022	5.72725E-05	0.000111079	8.39737E-05
0.000113993	3.54469E-05	0.000111197	8.9819E-05	0.000111928	0.000118028	5.78416E-05	0.000111197	8.36866E-05
0.000113179	3.61264E-05	0.000110603	9.06605E-05	0.000111183	0.000117164	5.81524E-05	0.000110603	8.45255E-05
0.000110623	3.6557E-05	0.000107882	9.1078E-05	0.000108543	0.000114305	5.74518E-05	0.000107882	8.49419E-05
0.000108404	3.68117E-05	0.00010529	9.16282E-05	0.00010616	0.00011175	5.66038E-05	0.00010529	8.5496E-05
0.000106712	3.58572E-05	0.000103591	8.5245E-05	0.000104492	0.000110024	5.54435E-05	0.000103591	7.99746E-05
0.000105534	3.54166E-05	0.000101985	8.50225E-05	0.000103151	0.000108642	5.44701E-05	0.000101985	7.9752E-05
0.000104594	3.43657E-05	0.000101249	8.40364E-05	0.000102324	0.000107814	5.36529E-05	0.000101249	7.87563E-05
0.000106381	3.44562E-05	0.000103117	8.87211E-05	0.000104144	0.000109759	5.43611E-05	0.000103117	8.25616E-05
0.000116261	3.70112E-05	0.000112525	8.63319E-05	0.000113767	0.000119957	5.88873E-05	0.000112525	8.01402E-05
0.000130541	4.0407E-05	0.000125089	8.40019E-05	0.00012726	0.000134339	6.44969E-05	0.000125089	7.77775E-05
0.000143925	4.67824E-05	0.000134802	8.21147E-05	0.000138966	0.000146716	7.02467E-05	0.000134802	7.58659E-05
0.000150985	5.50594E-05	0.000137827	6.78826E-05	0.000144132	0.000151951	7.48149E-05	0.000137827	6.33473E-05
0.000148938	5.82405E-05	0.000134462	5.63806E-05	0.000141447	0.000148924	7.51577E-05	0.000134462	5.36105E-05
0.000143918	5.7032E-05	0.00012857	4.86978E-05	0.000136094	0.000143262	7.25398E-05	0.00012857	4.67824E-05
0.000137436	5.2055E-05	0.000120571	4.33316E-05	0.000129113	0.000136037	6.77209E-05	0.000120571	4.23085E-05
0.000122836	4.46633E-05	0.00010981	4.20614E-05	0.00011629	0.00012252	6.10574E-05	0.00010981	4.1026E-05
0.000112424	3.68017E-05	0.000103046	4.14238E-05	0.000107595	0.000113488	5.53546E-05	0.000103046	4.03831E-05
9.8896E-05	2.87655E-05	9.35021E-05	4.14601E-05	9.59244E-05	0.000101245	4.87518E-05	9.35021E-05	4.04316E-05
9.54863E-05	2.55613E-05	9.14753E-05	4.18988E-05	9.31734E-05	9.84232E-05	4.66293E-05	9.14753E-05	4.08821E-05
9.30601E-05	2.41676E-05	9.00043E-05	4.29712E-05	9.11774E-05	9.63126E-05	4.56486E-05	9.00043E-05	4.19777E-05
9.4924E-05	2.44018E-05	9.25238E-05	4.48761E-05	9.33052E-05	9.85408E-05	4.68868E-05	9.25238E-05	4.39137E-05
0.000101615	2.67771E-05	9.91252E-05	4.73751E-05	9.98969E-05	0.000105466	5.05186E-05	9.91252E-05	4.6442E-05
0.000112103	3.04093E-05	0.000107567	4.80868E-05	0.000109451	0.000115618	5.47778E-05	0.000107567	4.71358E-05
0.000116679	3.43408E-05	0.000112363	9.02461E-05	0.000114016	0.000120343	5.79227E-05	0.000112363	8.41509E-05
0.000115643	3.58114E-05	0.000112939	9.004E-05	0.000113607	0.000119802	5.86826E-05	0.000112939	8.39111E-05
0.000115297	3.65913E-05	0.000112826	9.09326E-05	0.000113332	0.000119436	5.92202E-05	0.000112826	8.48022E-05
0.00011334	3.71494E-05	0.000110716	9.13251E-05	0.000111293	0.000117213	5.88063E-05	0.000110716	8.51931E-05
0.000111446	3.74759E-05	0.000108467	9.17969E-05	0.000109241	0.000115007	5.81239E-05	0.000108467	8.56674E-05
0.000109864	3.65496E-05	0.000106901	8.54228E-05	0.000107692	0.000113406	5.70349E-05	0.000106901	8.01549E-05
0.00010872	3.61245E-05	0.000105368	8.5239E-05	0.0001064	0.000112072	5.61097E-05	0.000105368	7.99718E-05
0.000107616	3.50232E-05	0.000104395	8.42329E-05	0.000105381	0.000111046	5.51539E-05	0.000104395	7.89559E-05
0.000109115	3.50563E-05	0.000105987	8.88901E-05	0.000106919	0.000112692	5.57393E-05	0.000105987	8.27331E-05

0.000118613	3.75432E-05	0.000115064	8.64417E-05	0.000116183	0.000122504	6.01335E-05	0.000115064	8.02514E-05
0.000132686	4.09068E-05	0.000127471	8.41518E-05	0.00012949	0.000136686	6.56905E-05	0.000127471	7.79296E-05
0.000145908	4.72383E-05	0.000136976	8.22805E-05	0.000141016	0.000148876	7.13262E-05	0.000136976	7.60342E-05
0.000152871	5.55059E-05	0.000139953	6.81221E-05	0.000146105	0.000154025	7.58918E-05	0.000139953	6.35902E-05
0.000150552	5.86396E-05	0.000136358	5.65621E-05	0.000143166	0.000150725	7.61452E-05	0.000136358	5.37943E-05
0.000146925	5.74272E-05	0.000130354	4.87832E-05	0.000138585	0.000145932	7.34447E-05	0.000130354	4.6868E-05
0.000138793	5.23848E-05	0.000122139	4.33443E-05	0.000130548	0.000137544	6.85288E-05	0.000122139	4.23203E-05
0.000123997	4.49305E-05	0.000111085	4.20471E-05	0.000117491	0.000123785	6.16906E-05	0.000111085	4.10103E-05
0.000113107	3.69505E-05	0.000103757	4.12706E-05	0.000108287	0.000114219	5.56941E-05	0.000103757	4.02267E-05
9.8896E-05	2.87655E-05	9.35021E-05	4.14601E-05	9.59244E-05	0.000101245	4.87518E-05	9.35021E-05	4.04316E-05
9.54863E-05	2.55613E-05	9.14753E-05	4.18988E-05	9.31734E-05	9.84232E-05	4.66293E-05	9.14753E-05	4.08821E-05
9.30601E-05	2.41676E-05	9.00043E-05	4.29712E-05	9.11774E-05	9.63126E-05	4.56486E-05	9.00043E-05	4.19777E-05
9.4924E-05	2.44018E-05	9.25238E-05	4.48761E-05	9.33052E-05	9.85408E-05	4.68868E-05	9.25238E-05	4.39137E-05
0.000101615	2.67771E-05	9.91252E-05	4.73751E-05	9.98969E-05	0.000105466	5.05186E-05	9.91252E-05	4.6442E-05
0.000112103	3.04093E-05	0.000107567	4.80868E-05	0.000109451	0.000115618	5.47778E-05	0.000107567	4.71358E-05
0.000116679	3.43408E-05	0.000112363	9.02461E-05	0.000114016	0.000120343	5.79227E-05	0.000112363	8.41509E-05
0.000115643	3.58114E-05	0.000112939	9.004E-05	0.000113607	0.000119802	5.86826E-05	0.000112939	8.39111E-05
0.000115297	3.65913E-05	0.000112826	9.09326E-05	0.000113332	0.000119436	5.92202E-05	0.000112826	8.48022E-05
0.00011334	3.71494E-05	0.000110716	9.13251E-05	0.000111293	0.000117213	5.88063E-05	0.000110716	8.51931E-05
0.000111446	3.74759E-05	0.000108467	9.17969E-05	0.000109241	0.000115007	5.81239E-05	0.000108467	8.56674E-05
0.000109864	3.65496E-05	0.000106901	8.54228E-05	0.000107692	0.000113406	5.70349E-05	0.000106901	8.01549E-05
0.00010872	3.61245E-05	0.000105368	8.5239E-05	0.0001064	0.000112072	5.61097E-05	0.000105368	7.99718E-05
0.000107616	3.50232E-05	0.000104395	8.42329E-05	0.000105381	0.000111046	5.51539E-05	0.000104395	7.89559E-05
0.000109115	3.50563E-05	0.000105987	8.88901E-05	0.000106919	0.000112692	5.57393E-05	0.000105987	8.27331E-05
0.000118613	3.75432E-05	0.000115064	8.64417E-05	0.000116183	0.000122504	6.01335E-05	0.000115064	8.02514E-05
0.000132686	4.09068E-05	0.000127471	8.41518E-05	0.00012949	0.000136686	6.56905E-05	0.000127471	7.79296E-05
0.000145908	4.72383E-05	0.000136976	8.22805E-05	0.000141016	0.000148876	7.13262E-05	0.000136976	7.60342E-05
0.000152871	5.55059E-05	0.000139953	6.81221E-05	0.000146105	0.000154025	7.58918E-05	0.000139953	6.35902E-05
0.000150552	5.86396E-05	0.000136358	5.65621E-05	0.000143166	0.000150725	7.61452E-05	0.000136358	5.37943E-05
0.000146925	5.74272E-05	0.000130354	4.87832E-05	0.000138585	0.000145932	7.34447E-05	0.000130354	4.6868E-05
0.000138793	5.23848E-05	0.000122139	4.33443E-05	0.000130548	0.000137544	6.85288E-05	0.000122139	4.23203E-05
0.000123997	4.49305E-05	0.000111085	4.20471E-05	0.000117491	0.000123785	6.16906E-05	0.000111085	4.10103E-05
0.000113107	3.69505E-05	0.000103757	4.12706E-05	0.000108287	0.000114219	5.56941E-05	0.000103757	4.02267E-05
9.8896E-05	2.87655E-05	9.35021E-05	4.14601E-05	9.59244E-05	0.000101245	4.87518E-05	9.35021E-05	4.04316E-05
9.54863E-05	2.55613E-05	9.14753E-05	4.18988E-05	9.31734E-05	9.84232E-05	4.66293E-05	9.14753E-05	4.08821E-05
9.30601E-05	2.41676E-05	9.00043E-05	4.29712E-05	9.11774E-05	9.63126E-05	4.56486E-05	9.00043E-05	4.19777E-05
9.4924E-05	2.44018E-05	9.25238E-05	4.48761E-05	9.33052E-05	9.85408E-05	4.68868E-05	9.25238E-05	4.39137E-05
0.000101615	2.67771E-05	9.91252E-05	4.73751E-05	9.98969E-05	0.000105466	5.05186E-05	9.91252E-05	4.6442E-05
0.000112103	3.04093E-05	0.000107567	4.80868E-05	0.000109451	0.000115618	5.47778E-05	0.000107567	4.71358E-05
0.000116679	3.43408E-05	0.000112363	9.02461E-05	0.000114016	0.000120343	5.79227E-05	0.000112363	8.41509E-05
0.000115643	3.58114E-05	0.000112939	9.004E-05	0.000113607	0.000119802	5.86826E-05	0.000112939	8.39111E-05
0.000115297	3.65913E-05	0.000112826	9.09326E-05	0.000113332	0.000119436	5.92202E-05	0.000112826	8.48022E-05
0.00011334	3.71494E-05	0.000110716	9.13251E-05	0.000111293	0.000117213	5.88063E-05	0.000110716	8.51931E-05
0.000111446	3.74759E-05	0.000108467	9.17969E-05	0.000109241	0.000115007	5.81239E-05	0.000108467	8.56674E-05
0.000109864	3.65496E-05	0.000106901	8.54228E-05	0.000107692	0.000113406	5.70349E-05	0.000106901	8.01549E-05
0.00010872	3.61245E-05	0.000105368	8.5239E-05	0.0001064	0.000112072	5.61097E-05	0.000105368	7.99718E-05
0.000107616	3.50232E-05	0.000104395	8.42329E-05	0.000105381	0.000111046	5.51539E-05	0.000104395	7.89559E-05
0.000109115	3.50563E-05	0.000105987	8.88901E-05	0.000106919	0.000112692	5.57393E-05	0.000105987	8.27331E-05
0.000118613	3.75432E-05	0.000115064	8.64417E-05	0.000116183	0.000122504	6.01335E-05	0.000115064	8.02514E-05
0.000132686	4.09068E-05	0.000127471	8.41518E-05	0.00012949	0.000136686	6.56905E-05	0.000127471	7.79296E-05
0.000145908	4.72383E-05	0.000136976	8.22805E-05	0.000141016	0.000148876	7.13262E-05	0.000136976	7.60342E-05
0.000152871	5.55059E-05	0.000139953	6.81221E-05	0.000146105	0.000154025	7.58918E-05	0.000139953	6.35902E-05

0.000150552	5.86396E-05	0.000136358	5.65621E-05	0.000143166	0.000150725	7.61452E-05	0.000136358	5.37943E-05
0.000146925	5.74272E-05	0.000130354	4.87832E-05	0.000138585	0.000145932	7.34447E-05	0.000130354	4.6868E-05
0.000138793	5.23848E-05	0.000122139	4.33443E-05	0.000130548	0.000137544	6.85288E-05	0.000122139	4.23203E-05
0.000123997	4.49305E-05	0.000111085	4.20471E-05	0.000117491	0.000123785	6.16906E-05	0.000111085	4.10103E-05
0.000113107	3.69505E-05	0.000103757	4.12706E-05	0.000108287	0.000114219	5.56941E-05	0.000103757	4.02267E-05
9.8896E-05	2.87655E-05	9.35021E-05	4.14601E-05	9.59244E-05	0.000101245	4.87518E-05	9.35021E-05	4.04316E-05
9.54863E-05	2.55613E-05	9.14753E-05	4.18988E-05	9.31734E-05	9.84232E-05	4.66293E-05	9.14753E-05	4.08821E-05
9.30601E-05	2.41676E-05	9.00043E-05	4.29712E-05	9.11774E-05	9.63126E-05	4.56486E-05	9.00043E-05	4.19777E-05
9.4924E-05	2.44018E-05	9.25238E-05	4.48761E-05	9.33052E-05	9.85408E-05	4.68868E-05	9.25238E-05	4.39137E-05
0.000101615	2.67771E-05	9.91252E-05	4.73751E-05	9.98969E-05	0.000105466	5.05186E-05	9.91252E-05	4.6442E-05
0.000112103	3.04093E-05	0.000107567	4.80868E-05	0.000109451	0.000115618	5.47778E-05	0.000107567	4.71358E-05
0.000116679	3.43408E-05	0.000112363	9.02461E-05	0.000114016	0.000120343	5.79227E-05	0.000112363	8.41509E-05
0.000115643	3.58114E-05	0.000112939	9.004E-05	0.000113607	0.000119802	5.86826E-05	0.000112939	8.39111E-05
0.000115297	3.65913E-05	0.000112826	9.09326E-05	0.000113332	0.000119436	5.92202E-05	0.000112826	8.48022E-05
0.00011334	3.71494E-05	0.000110716	9.13251E-05	0.000111293	0.000117213	5.88063E-05	0.000110716	8.51931E-05
0.000111446	3.74759E-05	0.000108467	9.17969E-05	0.000109241	0.000115007	5.81239E-05	0.000108467	8.56674E-05
0.000109864	3.65496E-05	0.000106901	8.54228E-05	0.000107692	0.000113406	5.70349E-05	0.000106901	8.01549E-05
0.00010872	3.61245E-05	0.000105368	8.5239E-05	0.0001064	0.000112072	5.61097E-05	0.000105368	7.99718E-05
0.000107616	3.50232E-05	0.000104395	8.42329E-05	0.000105381	0.000111046	5.51539E-05	0.000104395	7.89559E-05
0.000109115	3.50563E-05	0.000105987	8.88901E-05	0.000106919	0.000112692	5.57393E-05	0.000105987	8.27331E-05
0.000118613	3.75432E-05	0.000115064	8.64417E-05	0.000116183	0.000122504	6.01335E-05	0.000115064	8.02514E-05
0.000132686	4.09068E-05	0.000127471	8.41518E-05	0.00012949	0.000136686	6.56905E-05	0.000127471	7.79296E-05
0.000145908	4.72383E-05	0.000136976	8.22805E-05	0.000141016	0.000148876	7.13262E-05	0.000136976	7.60342E-05
0.000152871	5.55059E-05	0.000139953	6.81221E-05	0.000146105	0.000154025	7.58918E-05	0.000139953	6.35902E-05
0.000150552	5.86396E-05	0.000136358	5.65621E-05	0.000143166	0.000150725	7.61452E-05	0.000136358	5.37943E-05
0.000146925	5.74272E-05	0.000130354	4.87832E-05	0.000138585	0.000145932	7.34447E-05	0.000130354	4.6868E-05
0.000138793	5.23848E-05	0.000122139	4.33443E-05	0.000130548	0.000137544	6.85288E-05	0.000122139	4.23203E-05
0.000123997	4.49305E-05	0.000111085	4.20471E-05	0.000117491	0.000123785	6.16906E-05	0.000111085	4.10103E-05
0.000113107	3.69505E-05	0.000103757	4.12706E-05	0.000108287	0.000114219	5.56941E-05	0.000103757	4.02267E-05
9.8896E-05	2.87655E-05	9.35021E-05	4.14601E-05	9.59244E-05	0.000101245	4.87518E-05	9.35021E-05	4.04316E-05
9.54863E-05	2.55613E-05	9.14753E-05	4.18988E-05	9.31734E-05	9.84232E-05	4.66293E-05	9.14753E-05	4.08821E-05
9.30601E-05	2.41676E-05	9.00043E-05	4.29712E-05	9.11774E-05	9.63126E-05	4.56486E-05	9.00043E-05	4.19777E-05
9.4924E-05	2.44018E-05	9.25238E-05	4.48761E-05	9.33052E-05	9.85408E-05	4.68868E-05	9.25238E-05	4.39137E-05
0.000101615	2.67771E-05	9.91252E-05	4.73751E-05	9.98969E-05	0.000105466	5.05186E-05	9.91252E-05	4.6442E-05
0.000112103	3.04093E-05	0.000107567	4.80868E-05	0.000109451	0.000115618	5.47778E-05	0.000107567	4.71358E-05
0.000116679	3.43408E-05	0.000112363	9.02461E-05	0.000114016	0.000120343	5.79227E-05	0.000112363	8.41509E-05
0.000115643	3.58114E-05	0.000112939	9.004E-05	0.000113607	0.000119802	5.86826E-05	0.000112939	8.39111E-05
0.000115297	3.65913E-05	0.000112826	9.09326E-05	0.000113332	0.000119436	5.92202E-05	0.000112826	8.48022E-05
0.00011334	3.71494E-05	0.000110716	9.13251E-05	0.000111293	0.000117213	5.88063E-05	0.000110716	8.51931E-05
0.000111446	3.74759E-05	0.000108467	9.17969E-05	0.000109241	0.000115007	5.81239E-05	0.000108467	8.56674E-05
0.000109864	3.65496E-05	0.000106901	8.54228E-05	0.000107692	0.000113406	5.70349E-05	0.000106901	8.01549E-05
0.00010872	3.61245E-05	0.000105368	8.5239E-05	0.0001064	0.000112072	5.61097E-05	0.000105368	7.99718E-05
0.000107616	3.50232E-05	0.000104395	8.42329E-05	0.000105381	0.000111046	5.51539E-05	0.000104395	7.89559E-05
0.000109115	3.50563E-05	0.000105987	8.88901E-05	0.000106919	0.000112692	5.57393E-05	0.000105987	8.27331E-05
0.000118613	3.75432E-05	0.000115064	8.64417E-05	0.000116183	0.000122504	6.01335E-05	0.000115064	8.02514E-05
0.000132686	4.09068E-05	0.000127471	8.41518E-05	0.00012949	0.000136686	6.56905E-05	0.000127471	7.79296E-05
0.000145908	4.72383E-05	0.000136976	8.22805E-05	0.000141016	0.000148876	7.13262E-05	0.000136976	7.60342E-05
0.000152871	5.55059E-05	0.000139953	6.81221E-05	0.000146105	0.000154025	7.58918E-05	0.000139953	6.35902E-05
0.000150552	5.86396E-05	0.000136358	5.65621E-05	0.000143166	0.000150725	7.61452E-05	0.000136358	5.37943E-05
0.000146925	5.74272E-05	0.000130354	4.87832E-05	0.000138585	0.000145932	7.34447E-05	0.000130354	4.6868E-05
0.000138793	5.23848E-05	0.000122139	4.33443E-05	0.000130548	0.000137544	6.85288E-05	0.000122139	4.23203E-05
0.000123997	4.49305E-05	0.000111085	4.20471E-05	0.000117491	0.000123785	6.16906E-05	0.000111085	4.10103E-05
0.000113107	3.69505E-05	0.000103757	4.12706E-05	0.000108287	0.000114219	5.56941E-05	0.000103757	4.02267E-05

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2036-2041 Program Blocks

	Alternative Avoided Cost									
	RAP					MAP				
	Residential	Residential	Residential	IQW	C&I	Residential	Residential	Residential	IQW	C&I
Hour	Energy Savings (MWh)	Tier 1	Tier 2	Energy Savings (MWh)	Energy Savings (MWh)	Energy Savings (MWh)	Tier 1	Tier 2	Energy Savings (MWh)	Energy Savings (MWh)
1	9.61577E-05	0.00010168	2.94483E-05	9.60813E-05	4.37916E-05	9.9347E-05	0.000103955	5.26155E-05	9.60813E-05	4.27515E-05
2	9.41601E-05	9.96541E-05	2.77902E-05	9.56266E-05	4.43448E-05	9.80997E-05	0.000102642	5.20348E-05	9.56266E-05	4.33156E-05
3	9.32075E-05	9.86727E-05	2.71854E-05	9.56096E-05	4.44789E-05	9.75632E-05	0.000102051	5.20489E-05	9.56096E-05	4.34538E-05
4	9.52161E-05	0.000100798	2.77833E-05	9.85922E-05	4.60185E-05	0.00010006	0.000104615	5.38599E-05	9.85922E-05	4.5016E-05
5	0.000100646	0.000106507	2.98363E-05	0.000104501	4.84443E-05	0.00010582	0.000110598	5.73687E-05	0.000104501	4.74682E-05
6	0.000107716	0.000113945	3.24659E-05	0.000110786	4.93512E-05	0.000112723	0.000117842	6.07945E-05	0.000110786	4.8359E-05
7	0.000113439	0.000119902	3.53613E-05	0.000115816	9.12066E-05	0.000118173	0.000123555	6.35897E-05	0.000115816	8.50645E-05
8	0.000111633	0.000117867	3.63149E-05	0.000116819	9.09667E-05	0.000117299	0.000122531	6.42356E-05	0.000116819	8.47873E-05
9	0.000110248	0.00011638	3.61672E-05	0.000114509	9.15629E-05	0.000115429	0.0001206	6.29756E-05	0.000114509	8.53757E-05
10	0.000107391	0.000113329	3.56523E-05	0.000110316	9.12813E-05	0.000111849	0.000116894	6.0679E-05	0.000110316	8.50816E-05
11	0.000104692	0.000110457	3.50497E-05	0.000106226	9.08009E-05	0.000108429	0.000113369	5.83246E-05	0.000106226	8.45885E-05
12	0.000101992	0.00010763	3.38843E-05	0.000102966	8.37594E-05	0.000105448	0.000110301	5.62217E-05	0.000102966	7.83954E-05
13	9.99077E-05	0.000105429	3.32077E-05	0.00010052	8.33241E-05	0.000103143	0.000107909	5.48143E-05	0.00010052	7.7955E-05
14	9.90675E-05	0.00010457	3.25912E-05	0.00010005	8.24201E-05	0.000102487	0.000107228	5.44078E-05	0.00010005	7.70441E-05
15	0.00010069	0.000106298	3.29448E-05	0.000102099	8.7516E-05	0.000104369	0.000109188	5.54941E-05	0.000102099	8.12697E-05
16	0.000107604	0.000113613	3.502E-05	0.000109026	8.58779E-05	0.000111527	0.000116696	5.91042E-05	0.000109026	7.96148E-05
17	0.000118869	0.00012555	3.81599E-05	0.000119786	8.47175E-05	0.000123	0.000128778	6.4399E-05	0.000119786	7.84427E-05
18	0.000131377	0.00013868	4.3151E-05	0.000129998	8.38155E-05	0.000134771	0.000141158	6.99861E-05	0.000129998	7.75361E-05
19	0.000141222	0.000148858	4.89808E-05	0.000136262	7.00037E-05	0.000142992	0.000149761	7.43451E-05	0.000136262	6.54471E-05
20	0.000142166	0.00014972	5.09205E-05	0.000135397	5.87328E-05	0.000142947	0.000149686	7.45954E-05	0.000135397	5.59488E-05
21	0.000137664	0.000144956	4.9577E-05	0.000129957	5.10704E-05	0.000137883	0.000144379	7.19979E-05	0.000129957	4.9146E-05
22	0.000132082	0.000139211	4.59534E-05	0.000122705	4.60632E-05	0.000131671	0.000137941	6.80806E-05	0.000122705	4.50409E-05
23	0.000120455	0.000127042	4.08758E-05	0.0001139	4.50733E-05	0.000121089	0.000126805	6.31158E-05	0.0001139	4.40452E-05
24	0.000110203	0.000116384	3.5538E-05	0.000106933	4.47532E-05	0.000112228	0.000117501	5.8751E-05	0.000106933	4.37252E-05
25	9.61577E-05	0.00010168	2.94483E-05	9.60813E-05	4.37916E-05	9.9347E-05	0.000103955	5.26155E-05	9.60813E-05	4.27515E-05
26	9.41601E-05	9.96541E-05	2.77902E-05	9.56266E-05	4.43448E-05	9.80997E-05	0.000102642	5.20348E-05	9.56266E-05	4.33156E-05
27	9.32075E-05	9.86727E-05	2.71854E-05	9.56096E-05	4.44789E-05	9.75632E-05	0.000102051	5.20489E-05	9.56096E-05	4.34538E-05
28	9.52161E-05	0.000100798	2.77833E-05	9.85922E-05	4.60185E-05	0.00010006	0.000104615	5.38599E-05	9.85922E-05	4.5016E-05
29	0.000100646	0.000106507	2.98363E-05	0.000104501	4.84443E-05	0.00010582	0.000110598	5.73687E-05	0.000104501	4.74682E-05
30	0.000107716	0.000113945	3.24659E-05	0.000110786	4.93512E-05	0.000112723	0.000117842	6.07945E-05	0.000110786	4.8359E-05
31	0.000113439	0.000119902	3.53613E-05	0.000115816	9.12066E-05	0.000118173	0.000123555	6.35897E-05	0.000115816	8.50645E-05
32	0.000111633	0.000117867	3.63149E-05	0.000116819	9.09667E-05	0.000117299	0.000122531	6.42356E-05	0.000116819	8.47873E-05
33	0.000110248	0.00011638	3.61672E-05	0.000114509	9.15629E-05	0.000115429	0.0001206	6.29756E-05	0.000114509	8.53757E-05
34	0.000107391	0.000113329	3.56523E-05	0.000110316	9.12813E-05	0.000111849	0.000116894	6.0679E-05	0.000110316	8.50816E-05
35	0.000104692	0.000110457	3.50497E-05	0.000106226	9.08009E-05	0.000108429	0.000113369	5.83246E-05	0.000106226	8.45885E-05
36	0.000101992	0.00010763	3.38843E-05	0.000102966	8.37594E-05	0.000105448	0.000110301	5.62217E-05	0.000102966	7.83954E-05
37	9.99077E-05	0.000105429	3.32077E-05	0.00010052	8.33241E-05	0.000103143	0.000107909	5.48143E-05	0.00010052	7.7955E-05
38	9.90675E-05	0.00010457	3.25912E-05	0.00010005	8.24201E-05	0.000102487	0.000107228	5.44078E-05	0.00010005	7.70441E-05
39	0.00010069	0.000106298	3.29448E-05	0.000102099	8.7516E-05	0.000104369	0.000109188	5.54941E-05	0.000102099	8.12697E-05
40	0.000107604	0.000113613	3.502E-05	0.000109026	8.58779E-05	0.000111527	0.000116696	5.91042E-05	0.000109026	7.96148E-05
41	0.000118869	0.00012555	3.81599E-05	0.000119786	8.47175E-05	0.000123	0.000128778	6.4399E-05	0.000119786	7.84427E-05
42	0.000131377	0.00013868	4.3151E-05	0.000129998	8.38155E-05	0.000134771	0.000141158	6.99861E-05	0.000129998	7.75361E-05
43	0.000141222	0.000148858	4.89808E-05	0.000136262	7.00037E-05	0.000142992	0.000149761	7.43451E-05	0.000136262	6.54471E-05
44	0.000142166	0.00014972	5.09205E-05	0.000135397	5.87328E-05	0.000142947	0.000149686	7.45954E-05	0.000135397	5.59488E-05
45	0.000137664	0.000144956	4.9577E-05	0.000129957	5.10704E-05	0.000137883	0.000144379	7.19979E-05	0.000129957	4.9146E-05
46	0.000132082	0.000139211	4.59534E-05	0.000122705	4.60632E-05	0.000131671	0.000137941	6.80806E-05	0.000122705	4.50409E-05
47	0.000120455	0.000127042	4.08758E-05	0.0001139	4.50733E-05	0.000121089	0.000126805	6.31158E-05	0.0001139	4.40452E-05
48	0.000110203	0.000116384	3.5538E-05	0.000106933	4.47532E-05	0.000112228	0.000117501	5.8751E-05	0.000106933	4.37252E-05
49	9.61577E-05	0.00010168	2.94483E-05	9.60813E-05	4.37916E-05	9.9347E-05	0.000103955	5.26155E-05	9.60813E-05	4.27515E-05
50	9.41601E-05	9.96541E-05	2.77902E-05	9.56266E-05	4.43448E-05	9.80997E-05	0.000102642	5.20348E-05	9.56266E-05	4.33156E-05
51	9.32075E-05	9.86727E-05	2.71854E-05	9.56096E-05	4.44789E-05	9.75632E-05	0.000102051	5.20489E-05	9.56096E-05	4.34538E-05
52	9.52161E-05	0.000100798	2.77833E-05	9.85922E-05	4.60185E-05	0.00010006	0.000104615	5.38599E-05	9.85922E-05	4.5016E-05
53	0.000100646	0.000106507	2.98363E-05	0.000104501	4.84443E-05	0.00010582	0.000110598	5.73687E-05	0.000104501	4.74682E-05
54	0.000107716	0.000113945	3.24659E-05	0.000110786	4.93512E-05	0.000112723	0.000117842	6.07945E-05	0.000110786	4.8359E-05
55	0.000113439	0.000119902	3.53613E-05	0.000115816	9.12066E-05	0.000118173	0.000123555	6.35897E-05	0.000115816	8.50645E-05
56	0.000111633	0.000117867	3.63149E-05	0.000116819	9.09667E-05	0.000117299	0.000122531	6.42356E-05	0.000116819	8.47873E-05
57	0.000110248	0.00011638	3.61672E-05	0.000114509	9.15629E-05	0.000115429	0.0001206	6.29756E-05	0.000114509	8.53757E-05
58	0.000107391	0.000113329	3.56523E-05	0.000110316	9.12813E-05	0.000111849	0.000116894	6.0679E-05	0.000110316	8.50816E-05
59	0.000104692	0.000110457	3.50497E-05	0.000106226	9.08009E-05	0.000108429	0.000113369	5.83246E-05	0.000106226	8.45885E-05
60	0.000101992	0.00010763	3.38843E-05	0.000102966	8.37594E-05	0.000105448	0.000110301	5.62217E-05	0.000102966	7.83954E-05
61	9.99077E-05	0.000105429	3.32077E-05	0.00010052	8.33241E-05	0.000103143	0.000107909	5.48143E-05	0.00010052	7.7955E-05
62	9.90675E-05	0.00010457	3.25912E-05	0.00010005	8.24201E-05	0.000102487	0.000107228	5.44078E-05	0.00010005	7.70441E-05
63	0.00010069	0.000106298	3.29448E-05	0.000102099	8.7516E-05	0.000104369	0.000109188	5.54941E-05	0.000102099	8.12697E-05
64	0.000107604	0.000113613	3.502E-05	0.000109026	8.58779E-05	0.000111527	0.000116696	5.91042E-05	0.000109026	7.96148E-05
65	0.000118869	0.00012555	3.81599E-05	0.000119786	8.47175E-05	0.000123	0.000128778	6.4399E-05	0.000119786	7.84427E-05
66	0.000131377	0.00013868	4.3151E-05	0.000129998	8.38155E-05	0.000134771	0.000141158	6.99861E-05	0.000129998	7.75361E-05
67	0.000141222	0.000148858	4.89808E-05	0.000136262	7.00037E-05	0.000142992	0.000149761	7.43451E-05	0.000136262	6.54471E-05

68	0.000142166	0.00014972	5.09205E-05	0.000135397	5.87328E-05	0.000142947	0.000149686	7.45954E-05	0.000135397	5.59488E-05
69	0.000137664	0.000144956	4.9577E-05	0.000129957	5.10704E-05	0.000137883	0.000144379	7.19979E-05	0.000129957	4.9146E-05
70	0.000132082	0.000139211	4.59534E-05	0.000122705	4.60632E-05	0.000131671	0.000137941	6.80806E-05	0.000122705	4.50409E-05
71	0.000120455	0.000127042	4.08758E-05	0.0001139	4.50733E-05	0.000121089	0.000126805	6.31158E-05	0.0001139	4.40452E-05
72	0.000110203	0.000116384	3.5538E-05	0.000106933	4.47532E-05	0.000112228	0.000117501	5.8751E-05	0.000106933	4.37252E-05
73	9.66788E-05	0.00010223	2.96173E-05	9.67445E-05	4.44926E-05	9.99453E-05	0.000104573	5.30081E-05	9.67445E-05	4.34648E-05
74	9.36211E-05	9.90835E-05	2.7634E-05	9.50099E-05	4.40506E-05	9.75079E-05	0.000102025	5.16968E-05	9.50099E-05	4.3017E-05
75	9.27428E-05	9.81796E-05	2.70634E-05	9.51247E-05	4.42556E-05	9.70711E-05	0.000101534	5.18034E-05	9.51247E-05	4.32272E-05
76	9.46032E-05	0.000100149	2.76101E-05	9.79074E-05	4.57019E-05	9.93936E-05	0.000103919	5.34918E-05	9.79074E-05	4.46947E-05
77	9.993E-05	0.000105749	2.96371E-05	0.000103713	4.80185E-05	0.000105046	0.000109789	5.695E-05	0.000103713	4.70366E-05
78	0.000107045	0.000113234	3.22781E-05	0.000110043	4.88741E-05	0.000111995	0.000117083	6.03979E-05	0.000110043	4.78754E-05
79	0.000111208	0.000117509	3.50887E-05	0.000114832	9.05707E-05	0.000116346	0.000121597	6.3086E-05	0.000114832	8.44205E-05
80	0.000110795	0.000116981	3.60655E-05	0.000115836	9.01948E-05	0.00011637	0.000121564	6.36859E-05	0.000115836	8.40065E-05
81	0.000109362	0.000115442	3.59102E-05	0.000113494	9.07338E-05	0.000114455	0.000119586	6.24189E-05	0.000113494	8.45375E-05
82	0.000106659	0.000112556	3.54178E-05	0.000109395	9.05245E-05	0.000111013	0.000116029	6.01385E-05	0.000109395	8.43175E-05
83	0.000104081	0.000109813	3.48375E-05	0.000105397	8.99276E-05	0.000107707	0.000112627	5.78128E-05	0.000105397	8.37069E-05
84	0.00010137	0.000106974	3.36729E-05	0.000102138	8.29557E-05	0.000104719	0.000109551	5.57179E-05	0.000102138	7.75852E-05
85	9.92649E-05	0.000104752	3.29825E-05	9.96394E-05	8.25332E-05	0.000102381	0.000107125	5.4269E-05	9.96394E-05	7.71584E-05
86	9.84894E-05	0.000103961	3.23898E-05	9.92624E-05	8.16461E-05	0.000101803	0.000106524	5.39218E-05	9.92624E-05	7.6264E-05
87	0.000100047	0.00010562	3.27235E-05	0.000101233	8.67893E-05	0.000103612	0.000108408	5.49635E-05	0.000101233	8.05371E-05
88	0.000106889	0.000112857	3.47904E-05	0.000108124	8.52907E-05	0.000110709	0.00011585	5.85745E-05	0.000108124	7.90232E-05
89	0.000117967	0.000124594	3.79048E-05	0.000118777	8.42255E-05	0.000122018	0.000127753	6.38565E-05	0.000118777	7.79471E-05
90	0.000130307	0.000137546	4.28558E-05	0.000128829	8.33482E-05	0.000133617	0.000139952	6.93697E-05	0.000128829	7.70646E-05
91	0.000140072	0.000147638	4.86648E-05	0.00013501	6.95542E-05	0.000141754	0.000148466	7.3687E-05	0.00013501	6.49929E-05
92	0.000141041	0.000148527	5.06168E-05	0.000134192	5.82963E-05	0.000141744	0.000148426	7.39711E-05	0.000134192	5.55073E-05
93	0.000138251	0.000145606	4.94032E-05	0.000129171	5.0643E-05	0.00013795	0.000144493	7.15796E-05	0.000129171	4.87135E-05
94	0.000131352	0.000138438	4.57394E-05	0.00012186	4.56716E-05	0.000130865	0.000137102	6.76139E-05	0.00012186	4.46438E-05
95	0.000119788	0.000126336	4.06786E-05	0.000113122	4.47704E-05	0.000120351	0.000126037	6.26832E-05	0.000113122	4.37372E-05
96	0.000109683	0.000115832	3.539E-05	0.000106348	4.45913E-05	0.000111661	0.000116909	5.84348E-05	0.000106348	4.35602E-05
97	9.66788E-05	0.00010223	2.96173E-05	9.67445E-05	4.44926E-05	9.99453E-05	0.000104573	5.30081E-05	9.67445E-05	4.34648E-05
98	9.36211E-05	9.90835E-05	2.7634E-05	9.50099E-05	4.40506E-05	9.75079E-05	0.000102025	5.16968E-05	9.50099E-05	4.3017E-05
99	9.27428E-05	9.81796E-05	2.70634E-05	9.51247E-05	4.42556E-05	9.70711E-05	0.000101534	5.18034E-05	9.51247E-05	4.32272E-05
100	9.46032E-05	0.000100149	2.76101E-05	9.79074E-05	4.57019E-05	9.93936E-05	0.000103919	5.34918E-05	9.79074E-05	4.46947E-05
101	9.993E-05	0.000105749	2.96371E-05	0.000103713	4.80185E-05	0.000105046	0.000109789	5.695E-05	0.000103713	4.70366E-05
102	0.000107045	0.000113234	3.22781E-05	0.000110043	4.88741E-05	0.000111995	0.000117083	6.03979E-05	0.000110043	4.78754E-05
103	0.000111208	0.000117509	3.50887E-05	0.000114832	9.05707E-05	0.000116346	0.000121597	6.3086E-05	0.000114832	8.44205E-05
104	0.000110795	0.000116981	3.60655E-05	0.000115836	9.01948E-05	0.00011637	0.000121564	6.36859E-05	0.000115836	8.40065E-05
105	0.000109362	0.000115442	3.59102E-05	0.000113494	9.07338E-05	0.000114455	0.000119586	6.24189E-05	0.000113494	8.45375E-05
106	0.000106659	0.000112556	3.54178E-05	0.000109395	9.05245E-05	0.000111013	0.000116029	6.01385E-05	0.000109395	8.43175E-05
107	0.000104081	0.000109813	3.48375E-05	0.000105397	8.99276E-05	0.000107707	0.000112627	5.78128E-05	0.000105397	8.37069E-05
108	0.00010137	0.000106974	3.36729E-05	0.000102138	8.29557E-05	0.000104719	0.000109551	5.57179E-05	0.000102138	7.75852E-05
109	9.92649E-05	0.000104752	3.29825E-05	9.96394E-05	8.25332E-05	0.000102381	0.000107125	5.4269E-05	9.96394E-05	7.71584E-05
110	9.84894E-05	0.000103961	3.23898E-05	9.92624E-05	8.16461E-05	0.000101803	0.000106524	5.39218E-05	9.92624E-05	7.6264E-05
111	0.000100047	0.00010562	3.27235E-05	0.000101233	8.67893E-05	0.000103612	0.000108408	5.49635E-05	0.000101233	8.05371E-05
112	0.000106889	0.000112857	3.47904E-05	0.000108124	8.52907E-05	0.000110709	0.00011585	5.85745E-05	0.000108124	7.90232E-05
113	0.000117967	0.000124594	3.79048E-05	0.000118777	8.42255E-05	0.000122018	0.000127753	6.38565E-05	0.000118777	7.79471E-05
114	0.000130307	0.000137546	4.28558E-05	0.000128829	8.33482E-05	0.000133617	0.000139952	6.93697E-05	0.000128829	7.70646E-05
115	0.000140072	0.000147638	4.86648E-05	0.00013501	6.95542E-05	0.000141754	0.000148466	7.3687E-05	0.00013501	6.49929E-05
116	0.000141041	0.000148527	5.06168E-05	0.000134192	5.82963E-05	0.000141744	0.000148426	7.39711E-05	0.000134192	5.55073E-05
117	0.000138251	0.000145606	4.94032E-05	0.000129171	5.0643E-05	0.00013795	0.000144493	7.15796E-05	0.000129171	4.87135E-05
118	0.000131352	0.000138438	4.57394E-05	0.00012186	4.56716E-05	0.000130865	0.000137102	6.76139E-05	0.00012186	4.46438E-05
119	0.000119788	0.000126336	4.06786E-05	0.000113122	4.47704E-05	0.000120351	0.000126037	6.26832E-05	0.000113122	4.37372E-05
120	0.000109683	0.000115832	3.539E-05	0.000106348	4.45913E-05	0.000111661	0.000116909	5.84348E-05	0.000106348	4.35602E-05
121	9.66788E-05	0.00010223	2.96173E-05	9.67445E-05	4.44926E-05	9.99453E-05	0.000104573	5.30081E-05	9.67445E-05	4.34648E-05
122	9.36211E-05	9.90835E-05	2.7634E-05	9.50099E-05	4.40506E-05	9.75079E-05	0.000102025	5.16968E-05	9.50099E-05	4.3017E-05
123	9.27428E-05	9.81796E-05	2.70634E-05	9.51247E-05	4.42556E-05	9.70711E-05	0.000101534	5.18034E-05	9.51247E-05	4.32272E-05
124	9.46032E-05	0.000100149	2.76101E-05	9.79074E-05	4.57019E-05	9.93936E-05	0.000103919	5.34918E-05	9.79074E-05	4.46947E-05
125	9.993E-05	0.000105749	2.96371E-05	0.000103713	4.80185E-05	0.000105046	0.000109789	5.695E-05	0.000103713	4.70366E-05
126	0.000107045	0.000113234	3.22781E-05	0.000110043	4.88741E-05	0.000111995	0.000117083	6.03979E-05	0.000110043	4.78754E-05
127	0.000111208	0.000117509	3.50887E-05	0.000114832	9.05707E-05	0.000116346	0.000121597	6.3086E-05	0.000114832	8.44205E-05
128	0.000110795	0.000116981	3.60655E-05	0.000115836	9.01948E-05	0.00011637	0.000121564	6.36859E-05	0.000115836	8.40065E-05
129	0.000109362	0.000115442	3.59102E-05	0.000113494	9.07338E-05	0.000114455	0.000119586	6.24189E-05	0.000113494	8.45375E-05
130	0.000106659	0.000112556	3.54178E-05	0.000109395	9.05245E-05	0.000111013	0.000116029	6.01385E-05	0.000109395	8.43175E-05
131	0.000104081	0.000109813	3.48375E-05	0.000105397	8.99276E-05	0.000107707	0.000112627	5.78128E-05	0.000105397	8.37069E-05
132	0.00010137	0.000106974	3.36729E-05	0.000102138	8.29557E-05	0.000104719	0.000109551	5.57179E-05	0.000102138	7.75852E-05
133	9.92649E-05	0.000104752	3.29825E-05	9.96394E-05	8.25332E-05	0.000102381	0.000107125	5.4269E-05	9.96394E-05	7.71584E-05
134	9.84894E-05	0.000103961	3.23898E-05	9.92624E-05	8.16461E-05	0.000101803	0.000106524	5.39218E-05	9.92624E-05	7.6264E-05
135	0.000100047	0.00010562	3.27235E-05	0.000101233	8.67893E-05	0.000103612	0.000108408	5.49635E-05	0.000101233	8.05371E-05
136	0.000106889	0.000112857	3.47904E-05	0.000108124	8.52907E-05	0.000110709	0.00011585	5.85745E-05	0.000108124	7.90232E-05
137	0.000117967	0.000124594	3.79048E-05	0.000118777	8.42255E-05	0.000122018	0.000127753	6.38565E-05	0.000118777	7.79471E-05
138	0.000130307	0.000137546	4.28558E-05	0.000128829	8.33482E-05	0.000133617	0.000139952	6.93697E-05	0.000128829	7.70646E-05
139	0.000140072	0.000147638	4.86648E-05	0.00013501	6.95542E-05	0.000141754	0.000148466	7.3687E-05	0.00013501	6.49929E-05
140	0.000141041	0.000148527	5.06168E-05	0.000134192	5.82963E-05	0.000141744	0.000148426	7.39711E-05	0.000134192	5.55073E-05
141	0.000138251	0.000145606	4.94032E-05	0.000129171	5.0643E-05	0.00013795	0.000144493	7.15796E-05	0.000129171	4.87135E-05
142	0.000131352	0.000138438	4.57394E-05	0.00012186	4.56716E-05	0.000130865	0.000137102	6.76139E-05	0.00012186	4.46438E-05
143	0.000119788	0.000126336	4.06786E-05	0.000113122	4.47704E-05	0.000120351	0.000126037	6.26832E-05	0.000113122	4.37372E-05

144	0.000109683	0.000115832	3.539E-05	0.000106348	4.45913E-05	0.000111661	0.000116909	5.84348E-05	0.000106348	4.35602E-05
145	9.66788E-05	0.00010223	2.96173E-05	9.67445E-05	4.44926E-05	9.99453E-05	0.000104573	5.30081E-05	9.67445E-05	4.34648E-05
146	9.36211E-05	9.90835E-05	2.7634E-05	9.50099E-05	4.40506E-05	9.75079E-05	0.000102025	5.16968E-05	9.50099E-05	4.3017E-05
147	9.27428E-05	9.81796E-05	2.70634E-05	9.51247E-05	4.42556E-05	9.70711E-05	0.000101534	5.18034E-05	9.51247E-05	4.32272E-05
148	9.46032E-05	0.000100149	2.76101E-05	9.79074E-05	4.57019E-05	9.93936E-05	0.000103919	5.34918E-05	9.79074E-05	4.46947E-05
149	9.993E-05	0.000105749	2.96371E-05	0.000103713	4.80185E-05	0.000105046	0.000109789	5.695E-05	0.000103713	4.70366E-05
150	0.000107045	0.000113234	3.22781E-05	0.000110043	4.88741E-05	0.000111995	0.000117083	6.03979E-05	0.000110043	4.78754E-05
151	0.000111208	0.000117509	3.50887E-05	0.000114832	9.05707E-05	0.000116346	0.000121597	6.3086E-05	0.000114832	8.44205E-05
152	0.000110795	0.000116981	3.60655E-05	0.000115836	9.01948E-05	0.00011637	0.000121564	6.36859E-05	0.000115836	8.40065E-05
153	0.000109362	0.000115442	3.59102E-05	0.000113494	9.07338E-05	0.000114455	0.000119586	6.24189E-05	0.000113494	8.45375E-05
154	0.000106659	0.000112556	3.54178E-05	0.000109395	9.05245E-05	0.000111013	0.000116029	6.01385E-05	0.000109395	8.43175E-05
155	0.000104081	0.000109813	3.48375E-05	0.000105397	8.99276E-05	0.000107707	0.000112627	5.78128E-05	0.000105397	8.37069E-05
156	0.00010137	0.000106974	3.36729E-05	0.000102138	8.29557E-05	0.000104719	0.000109551	5.57179E-05	0.000102138	7.75852E-05
157	9.92649E-05	0.000104752	3.29825E-05	9.96394E-05	8.25332E-05	0.000102381	0.000107125	5.4269E-05	9.96394E-05	7.71584E-05
158	9.84894E-05	0.000103961	3.23898E-05	9.92624E-05	8.16461E-05	0.000101803	0.000106524	5.39218E-05	9.92624E-05	7.6264E-05
159	0.000100047	0.00010562	3.27235E-05	0.000101233	8.67893E-05	0.000103612	0.000108408	5.49635E-05	0.000101233	8.05371E-05
160	0.000106889	0.000112857	3.47904E-05	0.000108124	8.52907E-05	0.000110709	0.00011585	5.85745E-05	0.000108124	7.90232E-05
161	0.000117967	0.000124594	3.79048E-05	0.000118777	8.42255E-05	0.000122018	0.000127753	6.38565E-05	0.000118777	7.79471E-05
162	0.000130307	0.000137546	4.28558E-05	0.000128829	8.33482E-05	0.000133617	0.000139952	6.93697E-05	0.000128829	7.70646E-05
163	0.000140072	0.000147638	4.86648E-05	0.00013501	6.95542E-05	0.000141754	0.000148466	7.3687E-05	0.00013501	6.49929E-05
164	0.000141041	0.000148527	5.06168E-05	0.000134192	5.82963E-05	0.000141744	0.000148426	7.39711E-05	0.000134192	5.55073E-05
165	0.000138251	0.000145606	4.94032E-05	0.000129171	5.0643E-05	0.00013795	0.000144493	7.15796E-05	0.000129171	4.87135E-05
166	0.000131352	0.000138438	4.57394E-05	0.00012186	4.56716E-05	0.000130865	0.000137102	6.76139E-05	0.00012186	4.46438E-05
167	0.000119788	0.000126336	4.06786E-05	0.000113122	4.47704E-05	0.000120351	0.000126037	6.26832E-05	0.000113122	4.37372E-05
168	0.000109683	0.000115832	3.539E-05	0.000106348	4.45913E-05	0.000111661	0.000116909	5.84348E-05	0.000106348	4.35602E-05
169	9.66788E-05	0.00010223	2.96173E-05	9.67445E-05	4.44926E-05	9.99453E-05	0.000104573	5.30081E-05	9.67445E-05	4.34648E-05
170	9.36211E-05	9.90835E-05	2.7634E-05	9.50099E-05	4.40506E-05	9.75079E-05	0.000102025	5.16968E-05	9.50099E-05	4.3017E-05
171	9.27428E-05	9.81796E-05	2.70634E-05	9.51247E-05	4.42556E-05	9.70711E-05	0.000101534	5.18034E-05	9.51247E-05	4.32272E-05
172	9.46032E-05	0.000100149	2.76101E-05	9.79074E-05	4.57019E-05	9.93936E-05	0.000103919	5.34918E-05	9.79074E-05	4.46947E-05
173	9.993E-05	0.000105749	2.96371E-05	0.000103713	4.80185E-05	0.000105046	0.000109789	5.695E-05	0.000103713	4.70366E-05
174	0.000107045	0.000113234	3.22781E-05	0.000110043	4.88741E-05	0.000111995	0.000117083	6.03979E-05	0.000110043	4.78754E-05
175	0.000111208	0.000117509	3.50887E-05	0.000114832	9.05707E-05	0.000116346	0.000121597	6.3086E-05	0.000114832	8.44205E-05
176	0.000110795	0.000116981	3.60655E-05	0.000115836	9.01948E-05	0.00011637	0.000121564	6.36859E-05	0.000115836	8.40065E-05
177	0.000109362	0.000115442	3.59102E-05	0.000113494	9.07338E-05	0.000114455	0.000119586	6.24189E-05	0.000113494	8.45375E-05
178	0.000106659	0.000112556	3.54178E-05	0.000109395	9.05245E-05	0.000111013	0.000116029	6.01385E-05	0.000109395	8.43175E-05
179	0.000104081	0.000109813	3.48375E-05	0.000105397	8.99276E-05	0.000107707	0.000112627	5.78128E-05	0.000105397	8.37069E-05
180	0.00010137	0.000106974	3.36729E-05	0.000102138	8.29557E-05	0.000104719	0.000109551	5.57179E-05	0.000102138	7.75852E-05
181	9.92649E-05	0.000104752	3.29825E-05	9.96394E-05	8.25332E-05	0.000102381	0.000107125	5.4269E-05	9.96394E-05	7.71584E-05
182	9.84894E-05	0.000103961	3.23898E-05	9.92624E-05	8.16461E-05	0.000101803	0.000106524	5.39218E-05	9.92624E-05	7.6264E-05
183	0.000100047	0.00010562	3.27235E-05	0.000101233	8.67893E-05	0.000103612	0.000108408	5.49635E-05	0.000101233	8.05371E-05
184	0.000106889	0.000112857	3.47904E-05	0.000108124	8.52907E-05	0.000110709	0.00011585	5.85745E-05	0.000108124	7.90232E-05
185	0.000117967	0.000124594	3.79048E-05	0.000118777	8.42255E-05	0.000122018	0.000127753	6.38565E-05	0.000118777	7.79471E-05
186	0.000130307	0.000137546	4.28558E-05	0.000128829	8.33482E-05	0.000133617	0.000139952	6.93697E-05	0.000128829	7.70646E-05
187	0.000140072	0.000147638	4.86648E-05	0.00013501	6.95542E-05	0.000141754	0.000148466	7.3687E-05	0.00013501	6.49929E-05
188	0.000141041	0.000148527	5.06168E-05	0.000134192	5.82963E-05	0.000141744	0.000148426	7.39711E-05	0.000134192	5.55073E-05
189	0.000138251	0.000145606	4.94032E-05	0.000129171	5.0643E-05	0.00013795	0.000144493	7.15796E-05	0.000129171	4.87135E-05
190	0.000131352	0.000138438	4.57394E-05	0.00012186	4.56716E-05	0.000130865	0.000137102	6.76139E-05	0.00012186	4.46438E-05
191	0.000119788	0.000126336	4.06786E-05	0.000113122	4.47704E-05	0.000120351	0.000126037	6.26832E-05	0.000113122	4.37372E-05
192	0.000109683	0.000115832	3.539E-05	0.000106348	4.45913E-05	0.000111661	0.000116909	5.84348E-05	0.000106348	4.35602E-05
193	9.61577E-05	0.00010168	2.94483E-05	9.60813E-05	4.37916E-05	9.9347E-05	0.000103955	5.26155E-05	9.60813E-05	4.27515E-05
194	9.41601E-05	9.96541E-05	2.77902E-05	9.56266E-05	4.43448E-05	9.80997E-05	0.000102642	5.20348E-05	9.56266E-05	4.33156E-05
195	9.32075E-05	9.86727E-05	2.71854E-05	9.56096E-05	4.44789E-05	9.75632E-05	0.000102051	5.20489E-05	9.56096E-05	4.34538E-05
196	9.52161E-05	0.000100798	2.77833E-05	9.85922E-05	4.60185E-05	0.00010006	0.000104615	5.38599E-05	9.85922E-05	4.5016E-05
197	0.000100646	0.000106507	2.98363E-05	0.000104501	4.84443E-05	0.00010582	0.000110598	5.73687E-05	0.000104501	4.74682E-05
198	0.000107716	0.000113945	3.24659E-05	0.000110786	4.93512E-05	0.000112723	0.000117842	6.07945E-05	0.000110786	4.8359E-05
199	0.000113439	0.000119902	3.53613E-05	0.000115816	9.12066E-05	0.000118173	0.000123555	6.35897E-05	0.000115816	8.50645E-05
200	0.000111633	0.000117867	3.63149E-05	0.000116819	9.09667E-05	0.000117299	0.000122531	6.42356E-05	0.000116819	8.47873E-05
201	0.000110248	0.00011638	3.61672E-05	0.000114509	9.15629E-05	0.000115429	0.0001206	6.29756E-05	0.000114509	8.53757E-05
202	0.000107391	0.000113329	3.56523E-05	0.000110316	9.12813E-05	0.000111849	0.000116894	6.0679E-05	0.000110316	8.50816E-05
203	0.000104692	0.000110457	3.50497E-05	0.000106226	9.08009E-05	0.000108429	0.000113369	5.83246E-05	0.000106226	8.45885E-05
204	0.000101992	0.00010763	3.38843E-05	0.000102966	8.37594E-05	0.000105448	0.000110301	5.62217E-05	0.000102966	7.83954E-05
205	9.99077E-05	0.000105429	3.32077E-05	0.00010052	8.33241E-05	0.000103143	0.000107909	5.48143E-05	0.00010052	7.7955E-05
206	9.90675E-05	0.00010457	3.25912E-05	0.00010005	8.24201E-05	0.000102487	0.000107228	5.44078E-05	0.00010005	7.70441E-05
207	0.00010069	0.000106298	3.29448E-05	0.000102099	8.7516E-05	0.000104369	0.000109188	5.54941E-05	0.000102099	8.12697E-05
208	0.000107604	0.000113613	3.502E-05	0.000109026	8.58779E-05	0.000111527	0.000116696	5.91042E-05	0.000109026	7.96148E-05
209	0.000118869	0.00012555	3.81599E-05	0.000119786	8.47175E-05	0.000123	0.000128778	6.4399E-05	0.000119786	7.84427E-05
210	0.000131377	0.00013868	4.3151E-05	0.000129998	8.38155E-05	0.000134771	0.000141158	6.99861E-05	0.000129998	7.75361E-05
211	0.000141222	0.000148858	4.89808E-05	0.000136262	7.00037E-05	0.000142992	0.000149761	7.43451E-05	0.000136262	6.54471E-05
212	0.000142166	0.00014972	5.09205E-05	0.000135397	5.87328E-05	0.000142947	0.000149686	7.45954E-05	0.000135397	5.59488E-05
213	0.000137664	0.000144956	4.9577E-05	0.000129957	5.10704E-05	0.000137883	0.000144379	7.19979E-05	0.000129957	4.9146E-05
214	0.000132082	0.000139211	4.59534E-05	0.000122705	4.60632E-05	0.000131671	0.000137941	6.80806E-05	0.000122705	4.50409E-05
215	0.000120455	0.000127042	4.08758E-05	0.0001139	4.50733E-05	0.000121089	0.000126805	6.31158E-05	0.0001139	4.40452E-05
216	0.000110203	0.000116384	3.5538E-05	0.000106933	4.47532E-05	0.000112228	0.000117501	5.8751E-05	0.000106933	4.37252E-05
217	9.61577E-05	0.00010168	2.94483E-05	9.60813E-05	4.37916E-05	9.9347E-05	0.000103955	5.26155E-05	9.60813E-05	4.27515E-05
218	9.41601E-05	9.96541E-05	2.77902E-05	9.56266E-05	4.43448E-05	9.80997E-05	0.000102642	5.20348E-05	9.56266E-05	4.33156E-05
219	9.32075E-05	9.86727E-05	2.71854E-05	9.56096E-05	4.44789E-05	9.75632E-05	0.000102051	5.20489E-05	9.56096E-05	4.34538E-05

220	9.52161E-05	0.000100798	2.77833E-05	9.85922E-05	4.60185E-05	0.00010006	0.000104615	5.38599E-05	9.85922E-05	4.5016E-05
221	0.000100646	0.000106507	2.98363E-05	0.000104501	4.84443E-05	0.00010582	0.000110598	5.73687E-05	0.000104501	4.74682E-05
222	0.000107716	0.000113945	3.24659E-05	0.000110786	4.93512E-05	0.000112723	0.000117842	6.07945E-05	0.000110786	4.8359E-05
223	0.000113439	0.000119902	3.53613E-05	0.000115816	9.12066E-05	0.000118173	0.000123555	6.35897E-05	0.000115816	8.50645E-05
224	0.000111633	0.000117867	3.63149E-05	0.000116819	9.09667E-05	0.000117299	0.000122531	6.42356E-05	0.000116819	8.47873E-05
225	0.000110248	0.00011638	3.61672E-05	0.000114509	9.15629E-05	0.000115429	0.0001206	6.29756E-05	0.000114509	8.53757E-05
226	0.000107391	0.000113329	3.56523E-05	0.000110316	9.12813E-05	0.000111849	0.000116894	6.0679E-05	0.000110316	8.50816E-05
227	0.000104692	0.000110457	3.50497E-05	0.000106226	9.08009E-05	0.000108429	0.000113369	5.83246E-05	0.000106226	8.45885E-05
228	0.000101992	0.00010763	3.38843E-05	0.000102966	8.37594E-05	0.000105448	0.000110301	5.62217E-05	0.000102966	7.83954E-05
229	9.99077E-05	0.000105429	3.32077E-05	0.00010052	8.33241E-05	0.000103143	0.000107909	5.48143E-05	0.00010052	7.7955E-05
230	9.90675E-05	0.00010457	3.25912E-05	0.00010005	8.24201E-05	0.000102487	0.000107228	5.44078E-05	0.00010005	7.70441E-05
231	0.00010069	0.000106298	3.29448E-05	0.000102099	8.7516E-05	0.000104369	0.000109188	5.54941E-05	0.000102099	8.12697E-05
232	0.000107604	0.000113613	3.502E-05	0.000109026	8.58779E-05	0.000111527	0.000116696	5.91042E-05	0.000109026	7.96148E-05
233	0.000118869	0.00012555	3.81599E-05	0.000119786	8.47175E-05	0.000123	0.000128778	6.4399E-05	0.000119786	7.84427E-05
234	0.000131377	0.00013868	4.3151E-05	0.000129998	8.38155E-05	0.000134771	0.000141158	6.99861E-05	0.000129998	7.75361E-05
235	0.000141222	0.000148858	4.89808E-05	0.000136262	7.00037E-05	0.000142992	0.000149761	7.43451E-05	0.000136262	6.54471E-05
236	0.000142166	0.00014972	5.09205E-05	0.000135397	5.87328E-05	0.000142947	0.000149686	7.45954E-05	0.000135397	5.59488E-05
237	0.000137664	0.000144956	4.9577E-05	0.000129957	5.10704E-05	0.000137883	0.000144379	7.19979E-05	0.000129957	4.9146E-05
238	0.000132082	0.000139211	4.59534E-05	0.000122705	4.60632E-05	0.000131671	0.000137941	6.80806E-05	0.000122705	4.50409E-05
239	0.000120455	0.000127042	4.08758E-05	0.0001139	4.50733E-05	0.000121089	0.000126805	6.31158E-05	0.0001139	4.40452E-05
240	0.000110203	0.000116384	3.5538E-05	0.000106933	4.47532E-05	0.000112228	0.000117501	5.8751E-05	0.000106933	4.37252E-05
241	9.66788E-05	0.00010223	2.96173E-05	9.67445E-05	4.44926E-05	9.99453E-05	0.000104573	5.30081E-05	9.67445E-05	4.34648E-05
242	9.36211E-05	9.90835E-05	2.7634E-05	9.50099E-05	4.40506E-05	9.75079E-05	0.000102025	5.16968E-05	9.50099E-05	4.3017E-05
243	9.27428E-05	9.81796E-05	2.70634E-05	9.51247E-05	4.42556E-05	9.70711E-05	0.000101534	5.18034E-05	9.51247E-05	4.32272E-05
244	9.46032E-05	0.000100149	2.76101E-05	9.79074E-05	4.57019E-05	9.93936E-05	0.000103919	5.34918E-05	9.79074E-05	4.46947E-05
245	9.993E-05	0.000105749	2.96371E-05	0.000103713	4.80185E-05	0.000105046	0.000109789	5.695E-05	0.000103713	4.70366E-05
246	0.000107045	0.000113234	3.22781E-05	0.000110043	4.88741E-05	0.000111995	0.000117083	6.03979E-05	0.000110043	4.78754E-05
247	0.000111208	0.000117509	3.50887E-05	0.000114832	9.05707E-05	0.000116346	0.000121597	6.3086E-05	0.000114832	8.44205E-05
248	0.000110795	0.000116981	3.60655E-05	0.000115836	9.01948E-05	0.00011637	0.000121564	6.36859E-05	0.000115836	8.40065E-05
249	0.000109362	0.000115442	3.59102E-05	0.000113494	9.07338E-05	0.000114455	0.000119586	6.24189E-05	0.000113494	8.45375E-05
250	0.000106659	0.000112556	3.54178E-05	0.000109395	9.05245E-05	0.000111013	0.000116029	6.01385E-05	0.000109395	8.43175E-05
251	0.000104081	0.000109813	3.48375E-05	0.000105397	8.99276E-05	0.000107707	0.000112627	5.78128E-05	0.000105397	8.37069E-05
252	0.00010137	0.000106974	3.36729E-05	0.000102138	8.29557E-05	0.000104719	0.000109551	5.57179E-05	0.000102138	7.75852E-05
253	9.92649E-05	0.000104752	3.29825E-05	9.96394E-05	8.25332E-05	0.000102381	0.000107125	5.4269E-05	9.96394E-05	7.71584E-05
254	9.84894E-05	0.000103961	3.23898E-05	9.92624E-05	8.16461E-05	0.000101803	0.000106524	5.39218E-05	9.92624E-05	7.6264E-05
255	0.000100047	0.00010562	3.27235E-05	0.000101233	8.67893E-05	0.000103612	0.000108408	5.49635E-05	0.000101233	8.05371E-05
256	0.000106889	0.000112857	3.47904E-05	0.000108124	8.52907E-05	0.000110709	0.00011585	5.85745E-05	0.000108124	7.90232E-05
257	0.000117967	0.000124594	3.79048E-05	0.000118777	8.42255E-05	0.000122018	0.000127753	6.38565E-05	0.000118777	7.79471E-05
258	0.000130307	0.000137546	4.28558E-05	0.000128829	8.33482E-05	0.000133617	0.000139952	6.93697E-05	0.000128829	7.70646E-05
259	0.000140072	0.000147638	4.86648E-05	0.00013501	6.95542E-05	0.000141754	0.000148466	7.3687E-05	0.00013501	6.49929E-05
260	0.000141041	0.000148527	5.06168E-05	0.000134192	5.82963E-05	0.000141744	0.000148426	7.39711E-05	0.000134192	5.55073E-05
261	0.000138251	0.000145606	4.94032E-05	0.000129171	5.0643E-05	0.00013795	0.000144493	7.15796E-05	0.000129171	4.87135E-05
262	0.000131352	0.000138438	4.57394E-05	0.00012186	4.56716E-05	0.000130865	0.000137102	6.76139E-05	0.00012186	4.46438E-05
263	0.000119788	0.000126336	4.06786E-05	0.000113122	4.47704E-05	0.000120351	0.000126037	6.26832E-05	0.000113122	4.37372E-05
264	0.000109683	0.000115832	3.539E-05	0.000106348	4.45913E-05	0.000111661	0.000116909	5.84348E-05	0.000106348	4.35602E-05
265	9.66788E-05	0.00010223	2.96173E-05	9.67445E-05	4.44926E-05	9.99453E-05	0.000104573	5.30081E-05	9.67445E-05	4.34648E-05
266	9.36211E-05	9.90835E-05	2.7634E-05	9.50099E-05	4.40506E-05	9.75079E-05	0.000102025	5.16968E-05	9.50099E-05	4.3017E-05
267	9.27428E-05	9.81796E-05	2.70634E-05	9.51247E-05	4.42556E-05	9.70711E-05	0.000101534	5.18034E-05	9.51247E-05	4.32272E-05
268	9.46032E-05	0.000100149	2.76101E-05	9.79074E-05	4.57019E-05	9.93936E-05	0.000103919	5.34918E-05	9.79074E-05	4.46947E-05
269	9.993E-05	0.000105749	2.96371E-05	0.000103713	4.80185E-05	0.000105046	0.000109789	5.695E-05	0.000103713	4.70366E-05
270	0.000107045	0.000113234	3.22781E-05	0.000110043	4.88741E-05	0.000111995	0.000117083	6.03979E-05	0.000110043	4.78754E-05
271	0.000111208	0.000117509	3.50887E-05	0.000114832	9.05707E-05	0.000116346	0.000121597	6.3086E-05	0.000114832	8.44205E-05
272	0.000110795	0.000116981	3.60655E-05	0.000115836	9.01948E-05	0.00011637	0.000121564	6.36859E-05	0.000115836	8.40065E-05
273	0.000109362	0.000115442	3.59102E-05	0.000113494	9.07338E-05	0.000114455	0.000119586	6.24189E-05	0.000113494	8.45375E-05
274	0.000106659	0.000112556	3.54178E-05	0.000109395	9.05245E-05	0.000111013	0.000116029	6.01385E-05	0.000109395	8.43175E-05
275	0.000104081	0.000109813	3.48375E-05	0.000105397	8.99276E-05	0.000107707	0.000112627	5.78128E-05	0.000105397	8.37069E-05
276	0.00010137	0.000106974	3.36729E-05	0.000102138	8.29557E-05	0.000104719	0.000109551	5.57179E-05	0.000102138	7.75852E-05
277	9.92649E-05	0.000104752	3.29825E-05	9.96394E-05	8.25332E-05	0.000102381	0.000107125	5.4269E-05	9.96394E-05	7.71584E-05
278	9.84894E-05	0.000103961	3.23898E-05	9.92624E-05	8.16461E-05	0.000101803	0.000106524	5.39218E-05	9.92624E-05	7.6264E-05
279	0.000100047	0.00010562	3.27235E-05	0.000101233	8.67893E-05	0.000103612	0.000108408	5.49635E-05	0.000101233	8.05371E-05
280	0.000106889	0.000112857	3.47904E-05	0.000108124	8.52907E-05	0.000110709	0.00011585	5.85745E-05	0.000108124	7.90232E-05
281	0.000117967	0.000124594	3.79048E-05	0.000118777	8.42255E-05	0.000122018	0.000127753	6.38565E-05	0.000118777	7.79471E-05
282	0.000130307	0.000137546	4.28558E-05	0.000128829	8.33482E-05	0.000133617	0.000139952	6.93697E-05	0.000128829	7.70646E-05
283	0.000140072	0.000147638	4.86648E-05	0.00013501	6.95542E-05	0.000141754	0.000148466	7.3687E-05	0.00013501	6.49929E-05
284	0.000141041	0.000148527	5.06168E-05	0.000134192	5.82963E-05	0.000141744	0.000148426	7.39711E-05	0.000134192	5.55073E-05
285	0.000138251	0.000145606	4.94032E-05	0.000129171	5.0643E-05	0.00013795	0.000144493	7.15796E-05	0.000129171	4.87135E-05
286	0.000131352	0.000138438	4.57394E-05	0.00012186	4.56716E-05	0.000130865	0.000137102	6.76139E-05	0.00012186	4.46438E-05
287	0.000119788	0.000126336	4.06786E-05	0.000113122	4.47704E-05	0.000120351	0.000126037	6.26832E-05	0.000113122	4.37372E-05
288	0.000109683	0.000115832	3.539E-05	0.000106348	4.45913E-05	0.000111661	0.000116909	5.84348E-05	0.000106348	4.35602E-05
289	9.66788E-05	0.00010223	2.96173E-05	9.67445E-05	4.44926E-05	9.99453E-05	0.000104573	5.30081E-05	9.67445E-05	4.34648E-05
290	9.36211E-05	9.90835E-05	2.7634E-05	9.50099E-05	4.40506E-05	9.75079E-05	0.000102025	5.16968E-05	9.50099E-05	4.3017E-05
291	9.27428E-05	9.81796E-05	2.70634E-05	9.51247E-05	4.42556E-05	9.70711E-05	0.000101534	5.18034E-05	9.51247E-05	4.32272E-05
292	9.46032E-05	0.000100149	2.76101E-05	9.79074E-05	4.57019E-05	9.93936E-05	0.000103919	5.34918E-05	9.79074E-05	4.46947E-05
293	9.993E-05	0.000105749	2.96371E-05	0.000103713	4.80185E-05	0.000105046	0.000109789	5.695E-05	0.000103713	4.70366E-05
294	0.000107045	0.000113234	3.22781E-05	0.000110043	4.88741E-05	0.000111995	0.000117083	6.03979E-05	0.000110043	4.78754E-05
295	0.000111208	0.000117509	3.50887E-05	0.000114832	9.05707E-05	0.000116346	0.000121597	6.3086E-05	0.000114832	8.44205E-05

296	0.000110795	0.000116981	3.60655E-05	0.000115836	9.01948E-05	0.00011637	0.000121564	6.36859E-05	0.000115836	8.40065E-05
297	0.000109362	0.000115442	3.59102E-05	0.000113494	9.07338E-05	0.000114455	0.000119586	6.24189E-05	0.000113494	8.45375E-05
298	0.000106659	0.000112556	3.54178E-05	0.000109395	9.05245E-05	0.000111013	0.000116029	6.01385E-05	0.000109395	8.43175E-05
299	0.000104081	0.000109813	3.48375E-05	0.000105397	8.99276E-05	0.000107707	0.000112627	5.78128E-05	0.000105397	8.37069E-05
300	0.00010137	0.000106974	3.36729E-05	0.000102138	8.29557E-05	0.000104719	0.000109551	5.57179E-05	0.000102138	7.75852E-05
301	9.92649E-05	0.000104752	3.29825E-05	9.96394E-05	8.25332E-05	0.000102381	0.000107125	5.4269E-05	9.96394E-05	7.71584E-05
302	9.84894E-05	0.000103961	3.23898E-05	9.92624E-05	8.16461E-05	0.000101803	0.000106524	5.39218E-05	9.92624E-05	7.6264E-05
303	0.000100047	0.00010562	3.27235E-05	0.000101233	8.67893E-05	0.000103612	0.000108408	5.49635E-05	0.000101233	8.05371E-05
304	0.000106889	0.000112857	3.47904E-05	0.000108124	8.52907E-05	0.000110709	0.00011585	5.85745E-05	0.000108124	7.90232E-05
305	0.000117967	0.000124594	3.79048E-05	0.000118777	8.42255E-05	0.000122018	0.000127753	6.38565E-05	0.000118777	7.79471E-05
306	0.000130307	0.000137546	4.28558E-05	0.000128829	8.33482E-05	0.000133617	0.000139952	6.93697E-05	0.000128829	7.70646E-05
307	0.000140072	0.000147638	4.86648E-05	0.00013501	6.95542E-05	0.000141754	0.000148466	7.3687E-05	0.00013501	6.49929E-05
308	0.000141041	0.000148527	5.06168E-05	0.000134192	5.82963E-05	0.000141744	0.000148426	7.39711E-05	0.000134192	5.55073E-05
309	0.000138251	0.000145606	4.94032E-05	0.000129171	5.0643E-05	0.00013795	0.000144493	7.15796E-05	0.000129171	4.87135E-05
310	0.000131352	0.000138438	4.57394E-05	0.00012186	4.56716E-05	0.000130865	0.000137102	6.76139E-05	0.00012186	4.46438E-05
311	0.000119788	0.000126336	4.06786E-05	0.000113122	4.47704E-05	0.000120351	0.000126037	6.26832E-05	0.000113122	4.37372E-05
312	0.000109683	0.000115832	3.539E-05	0.000106348	4.45913E-05	0.000111661	0.000116909	5.84348E-05	0.000106348	4.35602E-05
313	9.66788E-05	0.00010223	2.96173E-05	9.67445E-05	4.44926E-05	9.99453E-05	0.000104573	5.30081E-05	9.67445E-05	4.34648E-05
314	9.36211E-05	9.90835E-05	2.7634E-05	9.50099E-05	4.40506E-05	9.75079E-05	0.000102025	5.16968E-05	9.50099E-05	4.3017E-05
315	9.27428E-05	9.81796E-05	2.70634E-05	9.51247E-05	4.42556E-05	9.70711E-05	0.000101534	5.18034E-05	9.51247E-05	4.32272E-05
316	9.46032E-05	0.000100149	2.76101E-05	9.79074E-05	4.57019E-05	9.93936E-05	0.000103919	5.34918E-05	9.79074E-05	4.46947E-05
317	9.993E-05	0.000105749	2.96371E-05	0.000103713	4.80185E-05	0.000105046	0.000109789	5.695E-05	0.000103713	4.70366E-05
318	0.000107045	0.000113234	3.22781E-05	0.000110043	4.88741E-05	0.000111995	0.000117083	6.03979E-05	0.000110043	4.78754E-05
319	0.000111208	0.000117509	3.50887E-05	0.000114832	9.05707E-05	0.000116346	0.000121597	6.3086E-05	0.000114832	8.44205E-05
320	0.000110795	0.000116981	3.60655E-05	0.000115836	9.01948E-05	0.00011637	0.000121564	6.36859E-05	0.000115836	8.40065E-05
321	0.000109362	0.000115442	3.59102E-05	0.000113494	9.07338E-05	0.000114455	0.000119586	6.24189E-05	0.000113494	8.45375E-05
322	0.000106659	0.000112556	3.54178E-05	0.000109395	9.05245E-05	0.000111013	0.000116029	6.01385E-05	0.000109395	8.43175E-05
323	0.000104081	0.000109813	3.48375E-05	0.000105397	8.99276E-05	0.000107707	0.000112627	5.78128E-05	0.000105397	8.37069E-05
324	0.00010137	0.000106974	3.36729E-05	0.000102138	8.29557E-05	0.000104719	0.000109551	5.57179E-05	0.000102138	7.75852E-05
325	9.92649E-05	0.000104752	3.29825E-05	9.96394E-05	8.25332E-05	0.000102381	0.000107125	5.4269E-05	9.96394E-05	7.71584E-05
326	9.84894E-05	0.000103961	3.23898E-05	9.92624E-05	8.16461E-05	0.000101803	0.000106524	5.39218E-05	9.92624E-05	7.6264E-05
327	0.000100047	0.00010562	3.27235E-05	0.000101233	8.67893E-05	0.000103612	0.000108408	5.49635E-05	0.000101233	8.05371E-05
328	0.000106889	0.000112857	3.47904E-05	0.000108124	8.52907E-05	0.000110709	0.00011585	5.85745E-05	0.000108124	7.90232E-05
329	0.000117967	0.000124594	3.79048E-05	0.000118777	8.42255E-05	0.000122018	0.000127753	6.38565E-05	0.000118777	7.79471E-05
330	0.000130307	0.000137546	4.28558E-05	0.000128829	8.33482E-05	0.000133617	0.000139952	6.93697E-05	0.000128829	7.70646E-05
331	0.000140072	0.000147638	4.86648E-05	0.00013501	6.95542E-05	0.000141754	0.000148466	7.3687E-05	0.00013501	6.49929E-05
332	0.000141041	0.000148527	5.06168E-05	0.000134192	5.82963E-05	0.000141744	0.000148426	7.39711E-05	0.000134192	5.55073E-05
333	0.000138251	0.000145606	4.94032E-05	0.000129171	5.0643E-05	0.00013795	0.000144493	7.15796E-05	0.000129171	4.87135E-05
334	0.000131352	0.000138438	4.57394E-05	0.00012186	4.56716E-05	0.000130865	0.000137102	6.76139E-05	0.00012186	4.46438E-05
335	0.000119788	0.000126336	4.06786E-05	0.000113122	4.47704E-05	0.000120351	0.000126037	6.26832E-05	0.000113122	4.37372E-05
336	0.000109683	0.000115832	3.539E-05	0.000106348	4.45913E-05	0.000111661	0.000116909	5.84348E-05	0.000106348	4.35602E-05
337	9.66788E-05	0.00010223	2.96173E-05	9.67445E-05	4.44926E-05	9.99453E-05	0.000104573	5.30081E-05	9.67445E-05	4.34648E-05
338	9.36211E-05	9.90835E-05	2.7634E-05	9.50099E-05	4.40506E-05	9.75079E-05	0.000102025	5.16968E-05	9.50099E-05	4.3017E-05
339	9.27428E-05	9.81796E-05	2.70634E-05	9.51247E-05	4.42556E-05	9.70711E-05	0.000101534	5.18034E-05	9.51247E-05	4.32272E-05
340	9.46032E-05	0.000100149	2.76101E-05	9.79074E-05	4.57019E-05	9.93936E-05	0.000103919	5.34918E-05	9.79074E-05	4.46947E-05
341	9.993E-05	0.000105749	2.96371E-05	0.000103713	4.80185E-05	0.000105046	0.000109789	5.695E-05	0.000103713	4.70366E-05
342	0.000107045	0.000113234	3.22781E-05	0.000110043	4.88741E-05	0.000111995	0.000117083	6.03979E-05	0.000110043	4.78754E-05
343	0.000111208	0.000117509	3.50887E-05	0.000114832	9.05707E-05	0.000116346	0.000121597	6.3086E-05	0.000114832	8.44205E-05
344	0.000110795	0.000116981	3.60655E-05	0.000115836	9.01948E-05	0.00011637	0.000121564	6.36859E-05	0.000115836	8.40065E-05
345	0.000109362	0.000115442	3.59102E-05	0.000113494	9.07338E-05	0.000114455	0.000119586	6.24189E-05	0.000113494	8.45375E-05
346	0.000106659	0.000112556	3.54178E-05	0.000109395	9.05245E-05	0.000111013	0.000116029	6.01385E-05	0.000109395	8.43175E-05
347	0.000104081	0.000109813	3.48375E-05	0.000105397	8.99276E-05	0.000107707	0.000112627	5.78128E-05	0.000105397	8.37069E-05
348	0.00010137	0.000106974	3.36729E-05	0.000102138	8.29557E-05	0.000104719	0.000109551	5.57179E-05	0.000102138	7.75852E-05
349	9.92649E-05	0.000104752	3.29825E-05	9.96394E-05	8.25332E-05	0.000102381	0.000107125	5.4269E-05	9.96394E-05	7.71584E-05
350	9.84894E-05	0.000103961	3.23898E-05	9.92624E-05	8.16461E-05	0.000101803	0.000106524	5.39218E-05	9.92624E-05	7.6264E-05
351	0.000100047	0.00010562	3.27235E-05	0.000101233	8.67893E-05	0.000103612	0.000108408	5.49635E-05	0.000101233	8.05371E-05
352	0.000106889	0.000112857	3.47904E-05	0.000108124	8.52907E-05	0.000110709	0.00011585	5.85745E-05	0.000108124	7.90232E-05
353	0.000117967	0.000124594	3.79048E-05	0.000118777	8.42255E-05	0.000122018	0.000127753	6.38565E-05	0.000118777	7.79471E-05
354	0.000130307	0.000137546	4.28558E-05	0.000128829	8.33482E-05	0.000133617	0.000139952	6.93697E-05	0.000128829	7.70646E-05
355	0.000140072	0.000147638	4.86648E-05	0.00013501	6.95542E-05	0.000141754	0.000148466	7.3687E-05	0.00013501	6.49929E-05
356	0.000141041	0.000148527	5.06168E-05	0.000134192	5.82963E-05	0.000141744	0.000148426	7.39711E-05	0.000134192	5.55073E-05
357	0.000138251	0.000145606	4.94032E-05	0.000129171	5.0643E-05	0.00013795	0.000144493	7.15796E-05	0.000129171	4.87135E-05
358	0.000131352	0.000138438	4.57394E-05	0.00012186	4.56716E-05	0.000130865	0.000137102	6.76139E-05	0.00012186	4.46438E-05
359	0.000119788	0.000126336	4.06786E-05	0.000113122	4.47704E-05	0.000120351	0.000126037	6.26832E-05	0.000113122	4.37372E-05
360	0.000109683	0.000115832	3.539E-05	0.000106348	4.45913E-05	0.000111661	0.000116909	5.84348E-05	0.000106348	4.35602E-05
361	9.61577E-05	0.00010168	2.94483E-05	9.60813E-05	4.37916E-05	9.9347E-05	0.000103955	5.26155E-05	9.60813E-05	4.27515E-05
362	9.41601E-05	9.96541E-05	2.77902E-05	9.56266E-05	4.43448E-05	9.80997E-05	0.000102642	5.20348E-05	9.56266E-05	4.33156E-05
363	9.32075E-05	9.86727E-05	2.71854E-05	9.56096E-05	4.44789E-05	9.75632E-05	0.000102051	5.20489E-05	9.56096E-05	4.34538E-05
364	9.52161E-05	0.000100798	2.77833E-05	9.85922E-05	4.60185E-05	0.00010006	0.000104615	5.38599E-05	9.85922E-05	4.5016E-05
365	0.000100646	0.000106507	2.98363E-05	0.000104501	4.84443E-05	0.00010582	0.000110598	5.73687E-05	0.000104501	4.74682E-05
366	0.000107716	0.000113945	3.24659E-05	0.000110786	4.93512E-05	0.000112723	0.000117842	6.07945E-05	0.000110786	4.8359E-05
367	0.000113439	0.000119902	3.53613E-05	0.000115816	9.12066E-05	0.000118173	0.000123555	6.35897E-05	0.000115816	8.50645E-05
368	0.000111633	0.000117867	3.63149E-05	0.000116819	9.09667E-05	0.000117299	0.000122531	6.42356E-05	0.000116819	8.47873E-05
369	0.000110248	0.00011638	3.61672E-05	0.000114509	9.15629E-05	0.000115429	0.0001206	6.29756E-05	0.000114509	8.53757E-05
370	0.000107391	0.000113329	3.56523E-05	0.000110316	9.12813E-05	0.000111849	0.000116894	6.0679E-05	0.000110316	8.50816E-05
371	0.000104692	0.000110457	3.50497E-05	0.000106226	9.08009E-05	0.000108429	0.000113369	5.83246E-05	0.000106226	8.45885E-05

372	0.000101992	0.00010763	3.38843E-05	0.000102966	8.37594E-05	0.000105448	0.000110301	5.62217E-05	0.000102966	7.83954E-05
373	9.99077E-05	0.000105429	3.32077E-05	0.00010052	8.33241E-05	0.000103143	0.000107909	5.48143E-05	0.00010052	7.7955E-05
374	9.90675E-05	0.00010457	3.25912E-05	0.00010005	8.24201E-05	0.000102487	0.000107228	5.44078E-05	0.00010005	7.70441E-05
375	0.00010069	0.000106298	3.29448E-05	0.000102099	8.7516E-05	0.000104369	0.000109188	5.54941E-05	0.000102099	8.12697E-05
376	0.000107604	0.000113613	3.502E-05	0.000109026	8.58779E-05	0.000111527	0.000116696	5.91042E-05	0.000109026	7.96148E-05
377	0.000118869	0.00012555	3.81599E-05	0.000119786	8.47175E-05	0.000123	0.000128778	6.4399E-05	0.000119786	7.84427E-05
378	0.000131377	0.00013868	4.3151E-05	0.000129998	8.38155E-05	0.000134771	0.000141158	6.99861E-05	0.000129998	7.75361E-05
379	0.000141222	0.000148858	4.89808E-05	0.000136262	7.00037E-05	0.000142992	0.000149761	7.43451E-05	0.000136262	6.54471E-05
380	0.000142166	0.00014972	5.09205E-05	0.000135397	5.87328E-05	0.000142947	0.000149686	7.45954E-05	0.000135397	5.59488E-05
381	0.000137664	0.000144956	4.9577E-05	0.000129957	5.10704E-05	0.000137883	0.000144379	7.19979E-05	0.000129957	4.9146E-05
382	0.000132082	0.000139211	4.59534E-05	0.000122705	4.60632E-05	0.000131671	0.000137941	6.80806E-05	0.000122705	4.50409E-05
383	0.000120455	0.000127042	4.08758E-05	0.0001139	4.50733E-05	0.000121089	0.000126805	6.31158E-05	0.0001139	4.40452E-05
384	0.000110203	0.000116384	3.5538E-05	0.000106933	4.47532E-05	0.000112228	0.000117501	5.8751E-05	0.000106933	4.37252E-05
385	9.61577E-05	0.00010168	2.94483E-05	9.60813E-05	4.37916E-05	9.9347E-05	0.000103955	5.26155E-05	9.60813E-05	4.27515E-05
386	9.41601E-05	9.96541E-05	2.77902E-05	9.56266E-05	4.43448E-05	9.80997E-05	0.000102642	5.20348E-05	9.56266E-05	4.33156E-05
387	9.32075E-05	9.86727E-05	2.71854E-05	9.56096E-05	4.44789E-05	9.75632E-05	0.000102051	5.20489E-05	9.56096E-05	4.34538E-05
388	9.52161E-05	0.000100798	2.77833E-05	9.85922E-05	4.60185E-05	0.00010006	0.000104615	5.38599E-05	9.85922E-05	4.5016E-05
389	0.000100646	0.000106507	2.98363E-05	0.000104501	4.84443E-05	0.00010582	0.000110598	5.73687E-05	0.000104501	4.74682E-05
390	0.000107716	0.000113945	3.24659E-05	0.000110786	4.93512E-05	0.000112723	0.000117842	6.07945E-05	0.000110786	4.8359E-05
391	0.000113439	0.000119902	3.53613E-05	0.000115816	9.12066E-05	0.000118173	0.000123555	6.35897E-05	0.000115816	8.50645E-05
392	0.000111633	0.000117867	3.63149E-05	0.000116819	9.09667E-05	0.000117299	0.000122531	6.42356E-05	0.000116819	8.47873E-05
393	0.000110248	0.00011638	3.61672E-05	0.000114509	9.15629E-05	0.000115429	0.0001206	6.29756E-05	0.000114509	8.53757E-05
394	0.000107391	0.000113329	3.56523E-05	0.000110316	9.12813E-05	0.000111849	0.000116894	6.0679E-05	0.000110316	8.50816E-05
395	0.000104692	0.000110457	3.50497E-05	0.000106226	9.08009E-05	0.000108429	0.000113369	5.83246E-05	0.000106226	8.45885E-05
396	0.000101992	0.00010763	3.38843E-05	0.000102966	8.37594E-05	0.000105448	0.000110301	5.62217E-05	0.000102966	7.83954E-05
397	9.99077E-05	0.000105429	3.32077E-05	0.00010052	8.33241E-05	0.000103143	0.000107909	5.48143E-05	0.00010052	7.7955E-05
398	9.90675E-05	0.00010457	3.25912E-05	0.00010005	8.24201E-05	0.000102487	0.000107228	5.44078E-05	0.00010005	7.70441E-05
399	0.00010069	0.000106298	3.29448E-05	0.000102099	8.7516E-05	0.000104369	0.000109188	5.54941E-05	0.000102099	8.12697E-05
400	0.000107604	0.000113613	3.502E-05	0.000109026	8.58779E-05	0.000111527	0.000116696	5.91042E-05	0.000109026	7.96148E-05
401	0.000118869	0.00012555	3.81599E-05	0.000119786	8.47175E-05	0.000123	0.000128778	6.4399E-05	0.000119786	7.84427E-05
402	0.000131377	0.00013868	4.3151E-05	0.000129998	8.38155E-05	0.000134771	0.000141158	6.99861E-05	0.000129998	7.75361E-05
403	0.000141222	0.000148858	4.89808E-05	0.000136262	7.00037E-05	0.000142992	0.000149761	7.43451E-05	0.000136262	6.54471E-05
404	0.000142166	0.00014972	5.09205E-05	0.000135397	5.87328E-05	0.000142947	0.000149686	7.45954E-05	0.000135397	5.59488E-05
405	0.000137664	0.000144956	4.9577E-05	0.000129957	5.10704E-05	0.000137883	0.000144379	7.19979E-05	0.000129957	4.9146E-05
406	0.000132082	0.000139211	4.59534E-05	0.000122705	4.60632E-05	0.000131671	0.000137941	6.80806E-05	0.000122705	4.50409E-05
407	0.000120455	0.000127042	4.08758E-05	0.0001139	4.50733E-05	0.000121089	0.000126805	6.31158E-05	0.0001139	4.40452E-05
408	0.000110203	0.000116384	3.5538E-05	0.000106933	4.47532E-05	0.000112228	0.000117501	5.8751E-05	0.000106933	4.37252E-05
409	9.61577E-05	0.00010168	2.94483E-05	9.60813E-05	4.37916E-05	9.9347E-05	0.000103955	5.26155E-05	9.60813E-05	4.27515E-05
410	9.41601E-05	9.96541E-05	2.77902E-05	9.56266E-05	4.43448E-05	9.80997E-05	0.000102642	5.20348E-05	9.56266E-05	4.33156E-05
411	9.32075E-05	9.86727E-05	2.71854E-05	9.56096E-05	4.44789E-05	9.75632E-05	0.000102051	5.20489E-05	9.56096E-05	4.34538E-05
412	9.52161E-05	0.000100798	2.77833E-05	9.85922E-05	4.60185E-05	0.00010006	0.000104615	5.38599E-05	9.85922E-05	4.5016E-05
413	0.000100646	0.000106507	2.98363E-05	0.000104501	4.84443E-05	0.00010582	0.000110598	5.73687E-05	0.000104501	4.74682E-05
414	0.000107716	0.000113945	3.24659E-05	0.000110786	4.93512E-05	0.000112723	0.000117842	6.07945E-05	0.000110786	4.8359E-05
415	0.000113439	0.000119902	3.53613E-05	0.000115816	9.12066E-05	0.000118173	0.000123555	6.35897E-05	0.000115816	8.50645E-05
416	0.000111633	0.000117867	3.63149E-05	0.000116819	9.09667E-05	0.000117299	0.000122531	6.42356E-05	0.000116819	8.47873E-05
417	0.000110248	0.00011638	3.61672E-05	0.000114509	9.15629E-05	0.000115429	0.0001206	6.29756E-05	0.000114509	8.53757E-05
418	0.000107391	0.000113329	3.56523E-05	0.000110316	9.12813E-05	0.000111849	0.000116894	6.0679E-05	0.000110316	8.50816E-05
419	0.000104692	0.000110457	3.50497E-05	0.000106226	9.08009E-05	0.000108429	0.000113369	5.83246E-05	0.000106226	8.45885E-05
420	0.000101992	0.00010763	3.38843E-05	0.000102966	8.37594E-05	0.000105448	0.000110301	5.62217E-05	0.000102966	7.83954E-05
421	9.99077E-05	0.000105429	3.32077E-05	0.00010052	8.33241E-05	0.000103143	0.000107909	5.48143E-05	0.00010052	7.7955E-05
422	9.90675E-05	0.00010457	3.25912E-05	0.00010005	8.24201E-05	0.000102487	0.000107228	5.44078E-05	0.00010005	7.70441E-05
423	0.00010069	0.000106298	3.29448E-05	0.000102099	8.7516E-05	0.000104369	0.000109188	5.54941E-05	0.000102099	8.12697E-05
424	0.000107604	0.000113613	3.502E-05	0.000109026	8.58779E-05	0.000111527	0.000116696	5.91042E-05	0.000109026	7.96148E-05
425	0.000118869	0.00012555	3.81599E-05	0.000119786	8.47175E-05	0.000123	0.000128778	6.4399E-05	0.000119786	7.84427E-05
426	0.000131377	0.00013868	4.3151E-05	0.000129998	8.38155E-05	0.000134771	0.000141158	6.99861E-05	0.000129998	7.75361E-05
427	0.000141222	0.000148858	4.89808E-05	0.000136262	7.00037E-05	0.000142992	0.000149761	7.43451E-05	0.000136262	6.54471E-05
428	0.000142166	0.00014972	5.09205E-05	0.000135397	5.87328E-05	0.000142947	0.000149686	7.45954E-05	0.000135397	5.59488E-05
429	0.000137664	0.000144956	4.9577E-05	0.000129957	5.10704E-05	0.000137883	0.000144379	7.19979E-05	0.000129957	4.9146E-05
430	0.000132082	0.000139211	4.59534E-05	0.000122705	4.60632E-05	0.000131671	0.000137941	6.80806E-05	0.000122705	4.50409E-05
431	0.000120455	0.000127042	4.08758E-05	0.0001139	4.50733E-05	0.000121089	0.000126805	6.31158E-05	0.0001139	4.40452E-05
432	0.000110203	0.000116384	3.5538E-05	0.000106933	4.47532E-05	0.000112228	0.000117501	5.8751E-05	0.000106933	4.37252E-05
433	9.66788E-05	0.00010223	2.96173E-05	9.67445E-05	4.44926E-05	9.99453E-05	0.000104573	5.30081E-05	9.67445E-05	4.34648E-05
434	9.36211E-05	9.90835E-05	2.7634E-05	9.50099E-05	4.40506E-05	9.75079E-05	0.000102025	5.16968E-05	9.50099E-05	4.3017E-05
435	9.27428E-05	9.81796E-05	2.70634E-05	9.51247E-05	4.42556E-05	9.70711E-05	0.000101534	5.18034E-05	9.51247E-05	4.32272E-05
436	9.46032E-05	0.000100149	2.76101E-05	9.79074E-05	4.57019E-05	9.93936E-05	0.000103919	5.34918E-05	9.79074E-05	4.46947E-05
437	9.993E-05	0.000105749	2.96371E-05	0.000103713	4.80185E-05	0.000105046	0.000109789	5.695E-05	0.000103713	4.70366E-05
438	0.000107045	0.000113234	3.22781E-05	0.000110043	4.88741E-05	0.000111995	0.000117083	6.03979E-05	0.000110043	4.78754E-05
439	0.000111208	0.000117509	3.50887E-05	0.000114832	9.05707E-05	0.000116346	0.000121597	6.3086E-05	0.000114832	8.44205E-05
440	0.000110795	0.000116981	3.60655E-05	0.000115836	9.01948E-05	0.00011637	0.000121564	6.36859E-05	0.000115836	8.40065E-05
441	0.000109362	0.000115442	3.59102E-05	0.000113494	9.07338E-05	0.000114455	0.000119586	6.24189E-05	0.000113494	8.45375E-05
442	0.000106659	0.000112556	3.54178E-05	0.000109395	9.05245E-05	0.000111013	0.000116029	6.01385E-05	0.000109395	8.43175E-05
443	0.000104081	0.000109813	3.48375E-05	0.000105397	8.99276E-05	0.000107707	0.000112627	5.78128E-05	0.000105397	8.37069E-05
444	0.00010137	0.000106974	3.36729E-05	0.000102138	8.29557E-05	0.000104719	0.000109551	5.57179E-05	0.000102138	7.75852E-05
445	9.92649E-05	0.000104752	3.29825E-05	9.96394E-05	8.25332E-05	0.000102381	0.000107125	5.4269E-05	9.96394E-05	7.71584E-05
446	9.84894E-05	0.000103961	3.23898E-05	9.92624E-05	8.16461E-05	0.000101803	0.000106524	5.39218E-05	9.92624E-05	7.6264E-05
447	0.000100047	0.00010562	3.27235E-05	0.000101233	8.67893E-05	0.000103612	0.000108408	5.49635E-05	0.000101233	8.05371E-05

448	0.000106889	0.000112857	3.47904E-05	0.000108124	8.52907E-05	0.000110709	0.00011585	5.85745E-05	0.000108124	7.90232E-05
449	0.000117967	0.000124594	3.79048E-05	0.000118777	8.42255E-05	0.000122018	0.000127753	6.38565E-05	0.000118777	7.79471E-05
450	0.000130307	0.000137546	4.28558E-05	0.000128829	8.33482E-05	0.000133617	0.000139952	6.93697E-05	0.000128829	7.70646E-05
451	0.000140072	0.000147638	4.86648E-05	0.00013501	6.95542E-05	0.000141754	0.000148466	7.3687E-05	0.00013501	6.49929E-05
452	0.000141041	0.000148527	5.06168E-05	0.000134192	5.82963E-05	0.000141744	0.000148426	7.39711E-05	0.000134192	5.55073E-05
453	0.000138251	0.000145606	4.94032E-05	0.000129171	5.0643E-05	0.00013795	0.000144493	7.15796E-05	0.000129171	4.87135E-05
454	0.000131352	0.000138438	4.57394E-05	0.00012186	4.56716E-05	0.000130865	0.000137102	6.76139E-05	0.00012186	4.46438E-05
455	0.000119788	0.000126336	4.06786E-05	0.000113122	4.47704E-05	0.000120351	0.000126037	6.26832E-05	0.000113122	4.37372E-05
456	0.000109683	0.000115832	3.539E-05	0.000106348	4.45913E-05	0.000111661	0.000116909	5.84348E-05	0.000106348	4.35602E-05
457	9.66788E-05	0.00010223	2.96173E-05	9.67445E-05	4.44926E-05	9.99453E-05	0.000104573	5.30081E-05	9.67445E-05	4.34648E-05
458	9.36211E-05	9.90835E-05	2.7634E-05	9.50099E-05	4.40506E-05	9.75079E-05	0.000102025	5.16968E-05	9.50099E-05	4.3017E-05
459	9.27428E-05	9.81796E-05	2.70634E-05	9.51247E-05	4.42556E-05	9.70711E-05	0.000101534	5.18034E-05	9.51247E-05	4.32272E-05
460	9.46032E-05	0.000100149	2.76101E-05	9.79074E-05	4.57019E-05	9.93936E-05	0.000103919	5.34918E-05	9.79074E-05	4.46947E-05
461	9.993E-05	0.000105749	2.96371E-05	0.000103713	4.80185E-05	0.000105046	0.000109789	5.695E-05	0.000103713	4.70366E-05
462	0.000107045	0.000113234	3.22781E-05	0.000110043	4.88741E-05	0.000111995	0.000117083	6.03979E-05	0.000110043	4.78754E-05
463	0.000111208	0.000117509	3.50887E-05	0.000114832	9.05707E-05	0.000116346	0.000121597	6.3086E-05	0.000114832	8.44205E-05
464	0.000110795	0.000116981	3.60655E-05	0.000115836	9.01948E-05	0.00011637	0.000121564	6.36859E-05	0.000115836	8.40065E-05
465	0.000109362	0.000115442	3.59102E-05	0.000113494	9.07338E-05	0.000114455	0.000119586	6.24189E-05	0.000113494	8.45375E-05
466	0.000106659	0.000112556	3.54178E-05	0.000109395	9.05245E-05	0.000111013	0.000116029	6.01385E-05	0.000109395	8.43175E-05
467	0.000104081	0.000109813	3.48375E-05	0.000105397	8.99276E-05	0.000107707	0.000112627	5.78128E-05	0.000105397	8.37069E-05
468	0.00010137	0.000106974	3.36729E-05	0.000102138	8.29557E-05	0.000104719	0.000109551	5.57179E-05	0.000102138	7.75852E-05
469	9.92649E-05	0.000104752	3.29825E-05	9.96394E-05	8.25332E-05	0.000102381	0.000107125	5.4269E-05	9.96394E-05	7.71584E-05
470	9.84894E-05	0.000103961	3.23898E-05	9.92624E-05	8.16461E-05	0.000101803	0.000106524	5.39218E-05	9.92624E-05	7.6264E-05
471	0.000100047	0.00010562	3.27235E-05	0.000101233	8.67893E-05	0.000103612	0.000108408	5.49635E-05	0.000101233	8.05371E-05
472	0.000106889	0.000112857	3.47904E-05	0.000108124	8.52907E-05	0.000110709	0.00011585	5.85745E-05	0.000108124	7.90232E-05
473	0.000117967	0.000124594	3.79048E-05	0.000118777	8.42255E-05	0.000122018	0.000127753	6.38565E-05	0.000118777	7.79471E-05
474	0.000130307	0.000137546	4.28558E-05	0.000128829	8.33482E-05	0.000133617	0.000139952	6.93697E-05	0.000128829	7.70646E-05
475	0.000140072	0.000147638	4.86648E-05	0.00013501	6.95542E-05	0.000141754	0.000148466	7.3687E-05	0.00013501	6.49929E-05
476	0.000141041	0.000148527	5.06168E-05	0.000134192	5.82963E-05	0.000141744	0.000148426	7.39711E-05	0.000134192	5.55073E-05
477	0.000138251	0.000145606	4.94032E-05	0.000129171	5.0643E-05	0.00013795	0.000144493	7.15796E-05	0.000129171	4.87135E-05
478	0.000131352	0.000138438	4.57394E-05	0.00012186	4.56716E-05	0.000130865	0.000137102	6.76139E-05	0.00012186	4.46438E-05
479	0.000119788	0.000126336	4.06786E-05	0.000113122	4.47704E-05	0.000120351	0.000126037	6.26832E-05	0.000113122	4.37372E-05
480	0.000109683	0.000115832	3.539E-05	0.000106348	4.45913E-05	0.000111661	0.000116909	5.84348E-05	0.000106348	4.35602E-05
481	9.66788E-05	0.00010223	2.96173E-05	9.67445E-05	4.44926E-05	9.99453E-05	0.000104573	5.30081E-05	9.67445E-05	4.34648E-05
482	9.36211E-05	9.90835E-05	2.7634E-05	9.50099E-05	4.40506E-05	9.75079E-05	0.000102025	5.16968E-05	9.50099E-05	4.3017E-05
483	9.27428E-05	9.81796E-05	2.70634E-05	9.51247E-05	4.42556E-05	9.70711E-05	0.000101534	5.18034E-05	9.51247E-05	4.32272E-05
484	9.46032E-05	0.000100149	2.76101E-05	9.79074E-05	4.57019E-05	9.93936E-05	0.000103919	5.34918E-05	9.79074E-05	4.46947E-05
485	9.993E-05	0.000105749	2.96371E-05	0.000103713	4.80185E-05	0.000105046	0.000109789	5.695E-05	0.000103713	4.70366E-05
486	0.000107045	0.000113234	3.22781E-05	0.000110043	4.88741E-05	0.000111995	0.000117083	6.03979E-05	0.000110043	4.78754E-05
487	0.000111208	0.000117509	3.50887E-05	0.000114832	9.05707E-05	0.000116346	0.000121597	6.3086E-05	0.000114832	8.44205E-05
488	0.000110795	0.000116981	3.60655E-05	0.000115836	9.01948E-05	0.00011637	0.000121564	6.36859E-05	0.000115836	8.40065E-05
489	0.000109362	0.000115442	3.59102E-05	0.000113494	9.07338E-05	0.000114455	0.000119586	6.24189E-05	0.000113494	8.45375E-05
490	0.000106659	0.000112556	3.54178E-05	0.000109395	9.05245E-05	0.000111013	0.000116029	6.01385E-05	0.000109395	8.43175E-05
491	0.000104081	0.000109813	3.48375E-05	0.000105397	8.99276E-05	0.000107707	0.000112627	5.78128E-05	0.000105397	8.37069E-05
492	0.00010137	0.000106974	3.36729E-05	0.000102138	8.29557E-05	0.000104719	0.000109551	5.57179E-05	0.000102138	7.75852E-05
493	9.92649E-05	0.000104752	3.29825E-05	9.96394E-05	8.25332E-05	0.000102381	0.000107125	5.4269E-05	9.96394E-05	7.71584E-05
494	9.84894E-05	0.000103961	3.23898E-05	9.92624E-05	8.16461E-05	0.000101803	0.000106524	5.39218E-05	9.92624E-05	7.6264E-05
495	0.000100047	0.00010562	3.27235E-05	0.000101233	8.67893E-05	0.000103612	0.000108408	5.49635E-05	0.000101233	8.05371E-05
496	0.000106889	0.000112857	3.47904E-05	0.000108124	8.52907E-05	0.000110709	0.00011585	5.85745E-05	0.000108124	7.90232E-05
497	0.000117967	0.000124594	3.79048E-05	0.000118777	8.42255E-05	0.000122018	0.000127753	6.38565E-05	0.000118777	7.79471E-05
498	0.000130307	0.000137546	4.28558E-05	0.000128829	8.33482E-05	0.000133617	0.000139952	6.93697E-05	0.000128829	7.70646E-05
499	0.000140072	0.000147638	4.86648E-05	0.00013501	6.95542E-05	0.000141754	0.000148466	7.3687E-05	0.00013501	6.49929E-05
500	0.000141041	0.000148527	5.06168E-05	0.000134192	5.82963E-05	0.000141744	0.000148426	7.39711E-05	0.000134192	5.55073E-05
501	0.000138251	0.000145606	4.94032E-05	0.000129171	5.0643E-05	0.00013795	0.000144493	7.15796E-05	0.000129171	4.87135E-05
502	0.000131352	0.000138438	4.57394E-05	0.00012186	4.56716E-05	0.000130865	0.000137102	6.76139E-05	0.00012186	4.46438E-05
503	0.000119788	0.000126336	4.06786E-05	0.000113122	4.47704E-05	0.000120351	0.000126037	6.26832E-05	0.000113122	4.37372E-05
504	0.000109683	0.000115832	3.539E-05	0.000106348	4.45913E-05	0.000111661	0.000116909	5.84348E-05	0.000106348	4.35602E-05
505	9.66788E-05	0.00010223	2.96173E-05	9.67445E-05	4.44926E-05	9.99453E-05	0.000104573	5.30081E-05	9.67445E-05	4.34648E-05
506	9.36211E-05	9.90835E-05	2.7634E-05	9.50099E-05	4.40506E-05	9.75079E-05	0.000102025	5.16968E-05	9.50099E-05	4.3017E-05
507	9.27428E-05	9.81796E-05	2.70634E-05	9.51247E-05	4.42556E-05	9.70711E-05	0.000101534	5.18034E-05	9.51247E-05	4.32272E-05
508	9.46032E-05	0.000100149	2.76101E-05	9.79074E-05	4.57019E-05	9.93936E-05	0.000103919	5.34918E-05	9.79074E-05	4.46947E-05
509	9.993E-05	0.000105749	2.96371E-05	0.000103713	4.80185E-05	0.000105046	0.000109789	5.695E-05	0.000103713	4.70366E-05
510	0.000107045	0.000113234	3.22781E-05	0.000110043	4.88741E-05	0.000111995	0.000117083	6.03979E-05	0.000110043	4.78754E-05
511	0.000111208	0.000117509	3.50887E-05	0.000114832	9.05707E-05	0.000116346	0.000121597	6.3086E-05	0.000114832	8.44205E-05
512	0.000110795	0.000116981	3.60655E-05	0.000115836	9.01948E-05	0.00011637	0.000121564	6.36859E-05	0.000115836	8.40065E-05
513	0.000109362	0.000115442	3.59102E-05	0.000113494	9.07338E-05	0.000114455	0.000119586	6.24189E-05	0.000113494	8.45375E-05
514	0.000106659	0.000112556	3.54178E-05	0.000109395	9.05245E-05	0.000111013	0.000116029	6.01385E-05	0.000109395	8.43175E-05
515	0.000104081	0.000109813	3.48375E-05	0.000105397	8.99276E-05	0.000107707	0.000112627	5.78128E-05	0.000105397	8.37069E-05
516	0.00010137	0.000106974	3.36729E-05	0.000102138	8.29557E-05	0.000104719	0.000109551	5.57179E-05	0.000102138	7.75852E-05
517	9.92649E-05	0.000104752	3.29825E-05	9.96394E-05	8.25332E-05	0.000102381	0.000107125	5.4269E-05	9.96394E-05	7.71584E-05
518	9.84894E-05	0.000103961	3.23898E-05	9.92624E-05	8.16461E-05	0.000101803	0.000106524	5.39218E-05	9.92624E-05	7.6264E-05
519	0.000100047	0.00010562	3.27235E-05	0.000101233	8.67893E-05	0.000103612	0.000108408	5.49635E-05	0.000101233	8.05371E-05
520	0.000106889	0.000112857	3.47904E-05	0.000108124	8.52907E-05	0.000110709	0.00011585	5.85745E-05	0.000108124	7.90232E-05
521	0.000117967	0.000124594	3.79048E-05	0.000118777	8.42255E-05	0.000122018	0.000127753	6.38565E-05	0.000118777	7.79471E-05
522	0.000130307	0.000137546	4.28558E-05	0.000128829	8.33482E-05	0.000133617	0.000139952	6.93697E-05	0.000128829	7.70646E-05
523	0.000140072	0.000147638	4.86648E-05	0.00013501	6.95542E-05	0.000141754	0.000148466	7.3687E-05	0.00013501	6.49929E-05

524	0.000141041	0.000148527	5.06168E-05	0.000134192	5.82963E-05	0.000141744	0.000148426	7.39711E-05	0.000134192	5.55073E-05
525	0.000138251	0.000145606	4.94032E-05	0.000129171	5.0643E-05	0.00013795	0.000144493	7.15796E-05	0.000129171	4.87135E-05
526	0.000131352	0.000138438	4.57394E-05	0.00012186	4.56716E-05	0.000130865	0.000137102	6.76139E-05	0.00012186	4.46438E-05
527	0.000119788	0.000126336	4.06786E-05	0.000113122	4.47704E-05	0.000120351	0.000126037	6.26832E-05	0.000113122	4.37372E-05
528	0.000109683	0.000115832	3.539E-05	0.000106348	4.45913E-05	0.000111661	0.000116909	5.84348E-05	0.000106348	4.35602E-05
529	9.61577E-05	0.00010168	2.94483E-05	9.60813E-05	4.37916E-05	9.9347E-05	0.000103955	5.26155E-05	9.60813E-05	4.27515E-05
530	9.41601E-05	9.96541E-05	2.77902E-05	9.56266E-05	4.43448E-05	9.80997E-05	0.000102642	5.20348E-05	9.56266E-05	4.33156E-05
531	9.32075E-05	9.86727E-05	2.71854E-05	9.56096E-05	4.44789E-05	9.75632E-05	0.000102051	5.20489E-05	9.56096E-05	4.34538E-05
532	9.52161E-05	0.000100798	2.77833E-05	9.85922E-05	4.60185E-05	0.00010006	0.000104615	5.38599E-05	9.85922E-05	4.5016E-05
533	0.000100646	0.000106507	2.98363E-05	0.000104501	4.84443E-05	0.00010582	0.000110598	5.73687E-05	0.000104501	4.74682E-05
534	0.000107716	0.000113945	3.24659E-05	0.000110786	4.93512E-05	0.000112723	0.000117842	6.07945E-05	0.000110786	4.8359E-05
535	0.000113439	0.000119902	3.53613E-05	0.000115816	9.12066E-05	0.000118173	0.000123555	6.35897E-05	0.000115816	8.50645E-05
536	0.000111633	0.000117867	3.63149E-05	0.000116819	9.09667E-05	0.000117299	0.000122531	6.42356E-05	0.000116819	8.47873E-05
537	0.000110248	0.00011638	3.61672E-05	0.000114509	9.15629E-05	0.000115429	0.0001206	6.29756E-05	0.000114509	8.53757E-05
538	0.000107391	0.000113329	3.56523E-05	0.000110316	9.12813E-05	0.000111849	0.000116894	6.0679E-05	0.000110316	8.50816E-05
539	0.000104692	0.000110457	3.50497E-05	0.000106226	9.08009E-05	0.000108429	0.000113369	5.83246E-05	0.000106226	8.45885E-05
540	0.000101992	0.00010763	3.38843E-05	0.000102966	8.37594E-05	0.000105448	0.000110301	5.62217E-05	0.000102966	7.83954E-05
541	9.99077E-05	0.000105429	3.32077E-05	0.00010052	8.33241E-05	0.000103143	0.000107909	5.48143E-05	0.00010052	7.7955E-05
542	9.90675E-05	0.00010457	3.25912E-05	0.00010005	8.24201E-05	0.000102487	0.000107228	5.44078E-05	0.00010005	7.70441E-05
543	0.00010069	0.000106298	3.29448E-05	0.000102099	8.7516E-05	0.000104369	0.000109188	5.54941E-05	0.000102099	8.12697E-05
544	0.000107604	0.000113613	3.502E-05	0.000109026	8.58779E-05	0.000111527	0.000116696	5.91042E-05	0.000109026	7.96148E-05
545	0.000118869	0.00012555	3.81599E-05	0.000119786	8.47175E-05	0.000123	0.000128778	6.4399E-05	0.000119786	7.84427E-05
546	0.000131377	0.00013868	4.3151E-05	0.000129998	8.38155E-05	0.000134771	0.000141158	6.99861E-05	0.000129998	7.75361E-05
547	0.000141222	0.000148858	4.89808E-05	0.000136262	7.00037E-05	0.000142992	0.000149761	7.43451E-05	0.000136262	6.54471E-05
548	0.000142166	0.00014972	5.09205E-05	0.000135397	5.87328E-05	0.000142947	0.000149686	7.45954E-05	0.000135397	5.59488E-05
549	0.000137664	0.000144956	4.9577E-05	0.000129957	5.10704E-05	0.000137883	0.000144379	7.19979E-05	0.000129957	4.9146E-05
550	0.000132082	0.000139211	4.59534E-05	0.000122705	4.60632E-05	0.000131671	0.000137941	6.80806E-05	0.000122705	4.50409E-05
551	0.000120455	0.000127042	4.08758E-05	0.0001139	4.50733E-05	0.000121089	0.000126805	6.31158E-05	0.0001139	4.40452E-05
552	0.000110203	0.000116384	3.5538E-05	0.000106933	4.47532E-05	0.000112228	0.000117501	5.8751E-05	0.000106933	4.37252E-05
553	9.61577E-05	0.00010168	2.94483E-05	9.60813E-05	4.37916E-05	9.9347E-05	0.000103955	5.26155E-05	9.60813E-05	4.27515E-05
554	9.41601E-05	9.96541E-05	2.77902E-05	9.56266E-05	4.43448E-05	9.80997E-05	0.000102642	5.20348E-05	9.56266E-05	4.33156E-05
555	9.32075E-05	9.86727E-05	2.71854E-05	9.56096E-05	4.44789E-05	9.75632E-05	0.000102051	5.20489E-05	9.56096E-05	4.34538E-05
556	9.52161E-05	0.000100798	2.77833E-05	9.85922E-05	4.60185E-05	0.00010006	0.000104615	5.38599E-05	9.85922E-05	4.5016E-05
557	0.000100646	0.000106507	2.98363E-05	0.000104501	4.84443E-05	0.00010582	0.000110598	5.73687E-05	0.000104501	4.74682E-05
558	0.000107716	0.000113945	3.24659E-05	0.000110786	4.93512E-05	0.000112723	0.000117842	6.07945E-05	0.000110786	4.8359E-05
559	0.000113439	0.000119902	3.53613E-05	0.000115816	9.12066E-05	0.000118173	0.000123555	6.35897E-05	0.000115816	8.50645E-05
560	0.000111633	0.000117867	3.63149E-05	0.000116819	9.09667E-05	0.000117299	0.000122531	6.42356E-05	0.000116819	8.47873E-05
561	0.000110248	0.00011638	3.61672E-05	0.000114509	9.15629E-05	0.000115429	0.0001206	6.29756E-05	0.000114509	8.53757E-05
562	0.000107391	0.000113329	3.56523E-05	0.000110316	9.12813E-05	0.000111849	0.000116894	6.0679E-05	0.000110316	8.50816E-05
563	0.000104692	0.000110457	3.50497E-05	0.000106226	9.08009E-05	0.000108429	0.000113369	5.83246E-05	0.000106226	8.45885E-05
564	0.000101992	0.00010763	3.38843E-05	0.000102966	8.37594E-05	0.000105448	0.000110301	5.62217E-05	0.000102966	7.83954E-05
565	9.99077E-05	0.000105429	3.32077E-05	0.00010052	8.33241E-05	0.000103143	0.000107909	5.48143E-05	0.00010052	7.7955E-05
566	9.90675E-05	0.00010457	3.25912E-05	0.00010005	8.24201E-05	0.000102487	0.000107228	5.44078E-05	0.00010005	7.70441E-05
567	0.00010069	0.000106298	3.29448E-05	0.000102099	8.7516E-05	0.000104369	0.000109188	5.54941E-05	0.000102099	8.12697E-05
568	0.000107604	0.000113613	3.502E-05	0.000109026	8.58779E-05	0.000111527	0.000116696	5.91042E-05	0.000109026	7.96148E-05
569	0.000118869	0.00012555	3.81599E-05	0.000119786	8.47175E-05	0.000123	0.000128778	6.4399E-05	0.000119786	7.84427E-05
570	0.000131377	0.00013868	4.3151E-05	0.000129998	8.38155E-05	0.000134771	0.000141158	6.99861E-05	0.000129998	7.75361E-05
571	0.000141222	0.000148858	4.89808E-05	0.000136262	7.00037E-05	0.000142992	0.000149761	7.43451E-05	0.000136262	6.54471E-05
572	0.000142166	0.00014972	5.09205E-05	0.000135397	5.87328E-05	0.000142947	0.000149686	7.45954E-05	0.000135397	5.59488E-05
573	0.000137664	0.000144956	4.9577E-05	0.000129957	5.10704E-05	0.000137883	0.000144379	7.19979E-05	0.000129957	4.9146E-05
574	0.000132082	0.000139211	4.59534E-05	0.000122705	4.60632E-05	0.000131671	0.000137941	6.80806E-05	0.000122705	4.50409E-05
575	0.000120455	0.000127042	4.08758E-05	0.0001139	4.50733E-05	0.000121089	0.000126805	6.31158E-05	0.0001139	4.40452E-05
576	0.000110203	0.000116384	3.5538E-05	0.000106933	4.47532E-05	0.000112228	0.000117501	5.8751E-05	0.000106933	4.37252E-05
577	9.66788E-05	0.00010223	2.96173E-05	9.67445E-05	4.44926E-05	9.99453E-05	0.000104573	5.30081E-05	9.67445E-05	4.34648E-05
578	9.36211E-05	9.90835E-05	2.7634E-05	9.50099E-05	4.40506E-05	9.75079E-05	0.000102025	5.16968E-05	9.50099E-05	4.3017E-05
579	9.27428E-05	9.81796E-05	2.70634E-05	9.51247E-05	4.42556E-05	9.70711E-05	0.000101534	5.18034E-05	9.51247E-05	4.32272E-05
580	9.46032E-05	0.000100149	2.76101E-05	9.79074E-05	4.57019E-05	9.93936E-05	0.000103919	5.34918E-05	9.79074E-05	4.46947E-05
581	9.993E-05	0.000105749	2.96371E-05	0.000103713	4.80185E-05	0.000105046	0.000109789	5.695E-05	0.000103713	4.70366E-05
582	0.000107045	0.000113234	3.22781E-05	0.000110043	4.88741E-05	0.000111995	0.000117083	6.03979E-05	0.000110043	4.78754E-05
583	0.000111208	0.000117509	3.50887E-05	0.000114832	9.05707E-05	0.000116346	0.000121597	6.3086E-05	0.000114832	8.44205E-05
584	0.000110795	0.000116981	3.60655E-05	0.000115836	9.01948E-05	0.00011637	0.000121564	6.36859E-05	0.000115836	8.40065E-05
585	0.000109362	0.000115442	3.59102E-05	0.000113494	9.07338E-05	0.000114455	0.000119586	6.24189E-05	0.000113494	8.45375E-05
586	0.000106659	0.000112556	3.54178E-05	0.000109395	9.05245E-05	0.000111013	0.000116029	6.01385E-05	0.000109395	8.43175E-05
587	0.000104081	0.000109813	3.48375E-05	0.000105397	8.99276E-05	0.000107707	0.000112627	5.78128E-05	0.000105397	8.37069E-05
588	0.00010137	0.000106974	3.36729E-05	0.000102138	8.29557E-05	0.000104719	0.000109551	5.57179E-05	0.000102138	7.75852E-05
589	9.92649E-05	0.000104752	3.29825E-05	9.96394E-05	8.25332E-05	0.000102381	0.000107125	5.4269E-05	9.96394E-05	7.71584E-05
590	9.84894E-05	0.000103961	3.23898E-05	9.92624E-05	8.16461E-05	0.000101803	0.000106524	5.39218E-05	9.92624E-05	7.6264E-05
591	0.000100047	0.00010562	3.27235E-05	0.000101233	8.67893E-05	0.000103612	0.000108408	5.49635E-05	0.000101233	8.05371E-05
592	0.000106889	0.000112857	3.47904E-05	0.000108124	8.52907E-05	0.000110709	0.00011585	5.85745E-05	0.000108124	7.90232E-05
593	0.000117967	0.000124594	3.79048E-05	0.000118777	8.42255E-05	0.000122018	0.000127753	6.38565E-05	0.000118777	7.79471E-05
594	0.000130307	0.000137546	4.28558E-05	0.000128829	8.33482E-05	0.000133617	0.000139952	6.93697E-05	0.000128829	7.70646E-05
595	0.000140072	0.000147638	4.86648E-05	0.00013501	6.95542E-05	0.000141754	0.000148466	7.3687E-05	0.00013501	6.49929E-05
596	0.000141041	0.000148527	5.06168E-05	0.000134192	5.82963E-05	0.000141744	0.000148426	7.39711E-05	0.000134192	5.55073E-05
597	0.000138251	0.000145606	4.94032E-05	0.000129171	5.0643E-05	0.00013795	0.000144493	7.15796E-05	0.000129171	4.87135E-05
598	0.000131352	0.000138438	4.57394E-05	0.00012186	4.56716E-05	0.000130865	0.000137102	6.76139E-05	0.00012186	4.46438E-05
599	0.000119788	0.000126336	4.06786E-05	0.000113122	4.47704E-05	0.000120351	0.000126037	6.26832E-05	0.000113122	4.37372E-05

600	0.000109683	0.000115832	3.539E-05	0.000106348	4.45913E-05	0.000111661	0.000116909	5.84348E-05	0.000106348	4.35602E-05
601	9.66788E-05	0.00010223	2.96173E-05	9.67445E-05	4.44926E-05	9.99453E-05	0.000104573	5.30081E-05	9.67445E-05	4.34648E-05
602	9.36211E-05	9.90835E-05	2.7634E-05	9.50099E-05	4.40506E-05	9.75079E-05	0.000102025	5.16968E-05	9.50099E-05	4.3017E-05
603	9.27428E-05	9.81796E-05	2.70634E-05	9.51247E-05	4.42556E-05	9.70711E-05	0.000101534	5.18034E-05	9.51247E-05	4.32272E-05
604	9.46032E-05	0.000100149	2.76101E-05	9.79074E-05	4.57019E-05	9.93936E-05	0.000103919	5.34918E-05	9.79074E-05	4.46947E-05
605	9.993E-05	0.000105749	2.96371E-05	0.000103713	4.80185E-05	0.000105046	0.000109789	5.695E-05	0.000103713	4.70366E-05
606	0.000107045	0.000113234	3.22781E-05	0.000110043	4.88741E-05	0.000111995	0.000117083	6.03979E-05	0.000110043	4.78754E-05
607	0.000111208	0.000117509	3.50887E-05	0.000114832	9.05707E-05	0.000116346	0.000121597	6.3086E-05	0.000114832	8.44205E-05
608	0.000110795	0.000116981	3.60655E-05	0.000115836	9.01948E-05	0.00011637	0.000121564	6.36859E-05	0.000115836	8.40065E-05
609	0.000109362	0.000115442	3.59102E-05	0.000113494	9.07338E-05	0.000114455	0.000119586	6.24189E-05	0.000113494	8.45375E-05
610	0.000106659	0.000112556	3.54178E-05	0.000109395	9.05245E-05	0.000111013	0.000116029	6.01385E-05	0.000109395	8.43175E-05
611	0.000104081	0.000109813	3.48375E-05	0.000105397	8.99276E-05	0.000107707	0.000112627	5.78128E-05	0.000105397	8.37069E-05
612	0.00010137	0.000106974	3.36729E-05	0.000102138	8.29557E-05	0.000104719	0.000109551	5.57179E-05	0.000102138	7.75852E-05
613	9.92649E-05	0.000104752	3.29825E-05	9.96394E-05	8.25332E-05	0.000102381	0.000107125	5.4269E-05	9.96394E-05	7.71584E-05
614	9.84894E-05	0.000103961	3.23898E-05	9.92624E-05	8.16461E-05	0.000101803	0.000106524	5.39218E-05	9.92624E-05	7.6264E-05
615	0.000100047	0.00010562	3.27235E-05	0.000101233	8.67893E-05	0.000103612	0.000108408	5.49635E-05	0.000101233	8.05371E-05
616	0.000106889	0.000112857	3.47904E-05	0.000108124	8.52907E-05	0.000110709	0.00011585	5.85745E-05	0.000108124	7.90232E-05
617	0.000117967	0.000124594	3.79048E-05	0.000118777	8.42255E-05	0.000122018	0.000127753	6.38565E-05	0.000118777	7.79471E-05
618	0.000130307	0.000137546	4.28558E-05	0.000128829	8.33482E-05	0.000133617	0.000139952	6.93697E-05	0.000128829	7.70646E-05
619	0.000140072	0.000147638	4.86648E-05	0.00013501	6.95542E-05	0.000141754	0.000148466	7.3687E-05	0.00013501	6.49929E-05
620	0.000141041	0.000148527	5.06168E-05	0.000134192	5.82963E-05	0.000141744	0.000148426	7.39711E-05	0.000134192	5.55073E-05
621	0.000138251	0.000145606	4.94032E-05	0.000129171	5.0643E-05	0.00013795	0.000144493	7.15796E-05	0.000129171	4.87135E-05
622	0.000131352	0.000138438	4.57394E-05	0.00012186	4.56716E-05	0.000130865	0.000137102	6.76139E-05	0.00012186	4.46438E-05
623	0.000119788	0.000126336	4.06786E-05	0.000113122	4.47704E-05	0.000120351	0.000126037	6.26832E-05	0.000113122	4.37372E-05
624	0.000109683	0.000115832	3.539E-05	0.000106348	4.45913E-05	0.000111661	0.000116909	5.84348E-05	0.000106348	4.35602E-05
625	9.66788E-05	0.00010223	2.96173E-05	9.67445E-05	4.44926E-05	9.99453E-05	0.000104573	5.30081E-05	9.67445E-05	4.34648E-05
626	9.36211E-05	9.90835E-05	2.7634E-05	9.50099E-05	4.40506E-05	9.75079E-05	0.000102025	5.16968E-05	9.50099E-05	4.3017E-05
627	9.27428E-05	9.81796E-05	2.70634E-05	9.51247E-05	4.42556E-05	9.70711E-05	0.000101534	5.18034E-05	9.51247E-05	4.32272E-05
628	9.46032E-05	0.000100149	2.76101E-05	9.79074E-05	4.57019E-05	9.93936E-05	0.000103919	5.34918E-05	9.79074E-05	4.46947E-05
629	9.993E-05	0.000105749	2.96371E-05	0.000103713	4.80185E-05	0.000105046	0.000109789	5.695E-05	0.000103713	4.70366E-05
630	0.000107045	0.000113234	3.22781E-05	0.000110043	4.88741E-05	0.000111995	0.000117083	6.03979E-05	0.000110043	4.78754E-05
631	0.000111208	0.000117509	3.50887E-05	0.000114832	9.05707E-05	0.000116346	0.000121597	6.3086E-05	0.000114832	8.44205E-05
632	0.000110795	0.000116981	3.60655E-05	0.000115836	9.01948E-05	0.00011637	0.000121564	6.36859E-05	0.000115836	8.40065E-05
633	0.000109362	0.000115442	3.59102E-05	0.000113494	9.07338E-05	0.000114455	0.000119586	6.24189E-05	0.000113494	8.45375E-05
634	0.000106659	0.000112556	3.54178E-05	0.000109395	9.05245E-05	0.000111013	0.000116029	6.01385E-05	0.000109395	8.43175E-05
635	0.000104081	0.000109813	3.48375E-05	0.000105397	8.99276E-05	0.000107707	0.000112627	5.78128E-05	0.000105397	8.37069E-05
636	0.00010137	0.000106974	3.36729E-05	0.000102138	8.29557E-05	0.000104719	0.000109551	5.57179E-05	0.000102138	7.75852E-05
637	9.92649E-05	0.000104752	3.29825E-05	9.96394E-05	8.25332E-05	0.000102381	0.000107125	5.4269E-05	9.96394E-05	7.71584E-05
638	9.84894E-05	0.000103961	3.23898E-05	9.92624E-05	8.16461E-05	0.000101803	0.000106524	5.39218E-05	9.92624E-05	7.6264E-05
639	0.000100047	0.00010562	3.27235E-05	0.000101233	8.67893E-05	0.000103612	0.000108408	5.49635E-05	0.000101233	8.05371E-05
640	0.000106889	0.000112857	3.47904E-05	0.000108124	8.52907E-05	0.000110709	0.00011585	5.85745E-05	0.000108124	7.90232E-05
641	0.000117967	0.000124594	3.79048E-05	0.000118777	8.42255E-05	0.000122018	0.000127753	6.38565E-05	0.000118777	7.79471E-05
642	0.000130307	0.000137546	4.28558E-05	0.000128829	8.33482E-05	0.000133617	0.000139952	6.93697E-05	0.000128829	7.70646E-05
643	0.000140072	0.000147638	4.86648E-05	0.00013501	6.95542E-05	0.000141754	0.000148466	7.3687E-05	0.00013501	6.49929E-05
644	0.000141041	0.000148527	5.06168E-05	0.000134192	5.82963E-05	0.000141744	0.000148426	7.39711E-05	0.000134192	5.55073E-05
645	0.000138251	0.000145606	4.94032E-05	0.000129171	5.0643E-05	0.00013795	0.000144493	7.15796E-05	0.000129171	4.87135E-05
646	0.000131352	0.000138438	4.57394E-05	0.00012186	4.56716E-05	0.000130865	0.000137102	6.76139E-05	0.00012186	4.46438E-05
647	0.000119788	0.000126336	4.06786E-05	0.000113122	4.47704E-05	0.000120351	0.000126037	6.26832E-05	0.000113122	4.37372E-05
648	0.000109683	0.000115832	3.539E-05	0.000106348	4.45913E-05	0.000111661	0.000116909	5.84348E-05	0.000106348	4.35602E-05
649	9.66788E-05	0.00010223	2.96173E-05	9.67445E-05	4.44926E-05	9.99453E-05	0.000104573	5.30081E-05	9.67445E-05	4.34648E-05
650	9.36211E-05	9.90835E-05	2.7634E-05	9.50099E-05	4.40506E-05	9.75079E-05	0.000102025	5.16968E-05	9.50099E-05	4.3017E-05
651	9.27428E-05	9.81796E-05	2.70634E-05	9.51247E-05	4.42556E-05	9.70711E-05	0.000101534	5.18034E-05	9.51247E-05	4.32272E-05
652	9.46032E-05	0.000100149	2.76101E-05	9.79074E-05	4.57019E-05	9.93936E-05	0.000103919	5.34918E-05	9.79074E-05	4.46947E-05
653	9.993E-05	0.000105749	2.96371E-05	0.000103713	4.80185E-05	0.000105046	0.000109789	5.695E-05	0.000103713	4.70366E-05
654	0.000107045	0.000113234	3.22781E-05	0.000110043	4.88741E-05	0.000111995	0.000117083	6.03979E-05	0.000110043	4.78754E-05
655	0.000111208	0.000117509	3.50887E-05	0.000114832	9.05707E-05	0.000116346	0.000121597	6.3086E-05	0.000114832	8.44205E-05
656	0.000110795	0.000116981	3.60655E-05	0.000115836	9.01948E-05	0.00011637	0.000121564	6.36859E-05	0.000115836	8.40065E-05
657	0.000109362	0.000115442	3.59102E-05	0.000113494	9.07338E-05	0.000114455	0.000119586	6.24189E-05	0.000113494	8.45375E-05
658	0.000106659	0.000112556	3.54178E-05	0.000109395	9.05245E-05	0.000111013	0.000116029	6.01385E-05	0.000109395	8.43175E-05
659	0.000104081	0.000109813	3.48375E-05	0.000105397	8.99276E-05	0.000107707	0.000112627	5.78128E-05	0.000105397	8.37069E-05
660	0.00010137	0.000106974	3.36729E-05	0.000102138	8.29557E-05	0.000104719	0.000109551	5.57179E-05	0.000102138	7.75852E-05
661	9.92649E-05	0.000104752	3.29825E-05	9.96394E-05	8.25332E-05	0.000102381	0.000107125	5.4269E-05	9.96394E-05	7.71584E-05
662	9.84894E-05	0.000103961	3.23898E-05	9.92624E-05	8.16461E-05	0.000101803	0.000106524	5.39218E-05	9.92624E-05	7.6264E-05
663	0.000100047	0.00010562	3.27235E-05	0.000101233	8.67893E-05	0.000103612	0.000108408	5.49635E-05	0.000101233	8.05371E-05
664	0.000106889	0.000112857	3.47904E-05	0.000108124	8.52907E-05	0.000110709	0.00011585	5.85745E-05	0.000108124	7.90232E-05
665	0.000117967	0.000124594	3.79048E-05	0.000118777	8.42255E-05	0.000122018	0.000127753	6.38565E-05	0.000118777	7.79471E-05
666	0.000130307	0.000137546	4.28558E-05	0.000128829	8.33482E-05	0.000133617	0.000139952	6.93697E-05	0.000128829	7.70646E-05
667	0.000140072	0.000147638	4.86648E-05	0.00013501	6.95542E-05	0.000141754	0.000148466	7.3687E-05	0.00013501	6.49929E-05
668	0.000141041	0.000148527	5.06168E-05	0.000134192	5.82963E-05	0.000141744	0.000148426	7.39711E-05	0.000134192	5.55073E-05
669	0.000138251	0.000145606	4.94032E-05	0.000129171	5.0643E-05	0.00013795	0.000144493	7.15796E-05	0.000129171	4.87135E-05
670	0.000131352	0.000138438	4.57394E-05	0.00012186	4.56716E-05	0.000130865	0.000137102	6.76139E-05	0.00012186	4.46438E-05
671	0.000119788	0.000126336	4.06786E-05	0.000113122	4.47704E-05	0.000120351	0.000126037	6.26832E-05	0.000113122	4.37372E-05
672	0.000109683	0.000115832	3.539E-05	0.000106348	4.45913E-05	0.000111661	0.000116909	5.84348E-05	0.000106348	4.35602E-05
673	9.66788E-05	0.00010223	2.96173E-05	9.67445E-05	4.44926E-05	9.99453E-05	0.000104573	5.30081E-05	9.67445E-05	4.34648E-05
674	9.36211E-05	9.90835E-05	2.7634E-05	9.50099E-05	4.40506E-05	9.75079E-05	0.000102025	5.16968E-05	9.50099E-05	4.3017E-05
675	9.27428E-05	9.81796E-05	2.70634E-05	9.51247E-05	4.42556E-05	9.70711E-05	0.000101534	5.18034E-05	9.51247E-05	4.32272E-05

676	9.46032E-05	0.000100149	2.76101E-05	9.79074E-05	4.57019E-05	9.93936E-05	0.000103919	5.34918E-05	9.79074E-05	4.46947E-05
677	9.993E-05	0.000105749	2.96371E-05	0.000103713	4.80185E-05	0.000105046	0.000109789	5.695E-05	0.000103713	4.70366E-05
678	0.000107045	0.000113234	3.22781E-05	0.000110043	4.88741E-05	0.000111995	0.000117083	6.03979E-05	0.000110043	4.78754E-05
679	0.000111208	0.000117509	3.50887E-05	0.000114832	9.05707E-05	0.000116346	0.000121597	6.3086E-05	0.000114832	8.44205E-05
680	0.000110795	0.000116981	3.60655E-05	0.000115836	9.01948E-05	0.00011637	0.000121564	6.36859E-05	0.000115836	8.40065E-05
681	0.000109362	0.000115442	3.59102E-05	0.000113494	9.07338E-05	0.000114455	0.000119586	6.24189E-05	0.000113494	8.45375E-05
682	0.000106659	0.000112556	3.54178E-05	0.000109395	9.05245E-05	0.000111013	0.000116029	6.01385E-05	0.000109395	8.43175E-05
683	0.000104081	0.000109813	3.48375E-05	0.000105397	8.99276E-05	0.000107707	0.000112627	5.78128E-05	0.000105397	8.37069E-05
684	0.00010137	0.000106974	3.36729E-05	0.000102138	8.29557E-05	0.000104719	0.000109551	5.57179E-05	0.000102138	7.75852E-05
685	9.92649E-05	0.000104752	3.29825E-05	9.96394E-05	8.25332E-05	0.000102381	0.000107125	5.4269E-05	9.96394E-05	7.71584E-05
686	9.84894E-05	0.000103961	3.23898E-05	9.92624E-05	8.16461E-05	0.000101803	0.000106524	5.39218E-05	9.92624E-05	7.6264E-05
687	0.000100047	0.00010562	3.27235E-05	0.000101233	8.67893E-05	0.000103612	0.000108408	5.49635E-05	0.000101233	8.05371E-05
688	0.000106889	0.000112857	3.47904E-05	0.000108124	8.52907E-05	0.000110709	0.00011585	5.85745E-05	0.000108124	7.90232E-05
689	0.000117967	0.000124594	3.79048E-05	0.000118777	8.42255E-05	0.000122018	0.000127753	6.38565E-05	0.000118777	7.79471E-05
690	0.000130307	0.000137546	4.28558E-05	0.000128829	8.33482E-05	0.000133617	0.000139952	6.93697E-05	0.000128829	7.70646E-05
691	0.000140072	0.000147638	4.86648E-05	0.00013501	6.95542E-05	0.000141754	0.000148466	7.3687E-05	0.00013501	6.49929E-05
692	0.000141041	0.000148527	5.06168E-05	0.000134192	5.82963E-05	0.000141744	0.000148426	7.39711E-05	0.000134192	5.55073E-05
693	0.000138251	0.000145606	4.94032E-05	0.000129171	5.0643E-05	0.00013795	0.000144493	7.15796E-05	0.000129171	4.87135E-05
694	0.000131352	0.000138438	4.57394E-05	0.00012186	4.56716E-05	0.000130865	0.000137102	6.76139E-05	0.00012186	4.46438E-05
695	0.000119788	0.000126336	4.06786E-05	0.000113122	4.47704E-05	0.000120351	0.000126037	6.26832E-05	0.000113122	4.37372E-05
696	0.000109683	0.000115832	3.539E-05	0.000106348	4.45913E-05	0.000111661	0.000116909	5.84348E-05	0.000106348	4.35602E-05
697	9.61577E-05	0.00010168	2.94483E-05	9.60813E-05	4.37916E-05	9.9347E-05	0.000103955	5.26155E-05	9.60813E-05	4.27515E-05
698	9.41601E-05	9.96541E-05	2.77902E-05	9.56266E-05	4.43448E-05	9.80997E-05	0.000102642	5.20348E-05	9.56266E-05	4.33156E-05
699	9.32075E-05	9.86727E-05	2.71854E-05	9.56096E-05	4.44789E-05	9.75632E-05	0.000102051	5.20489E-05	9.56096E-05	4.34538E-05
700	9.52161E-05	0.000100798	2.77833E-05	9.85922E-05	4.60185E-05	0.00010006	0.000104615	5.38599E-05	9.85922E-05	4.5016E-05
701	0.000100646	0.000106507	2.98363E-05	0.000104501	4.84443E-05	0.00010582	0.000110598	5.73687E-05	0.000104501	4.74682E-05
702	0.000107716	0.000113945	3.24659E-05	0.000110786	4.93512E-05	0.000112723	0.000117842	6.07945E-05	0.000110786	4.8359E-05
703	0.000113439	0.000119902	3.53613E-05	0.000115816	9.12066E-05	0.000118173	0.000123555	6.35897E-05	0.000115816	8.50645E-05
704	0.000111633	0.000117867	3.63149E-05	0.000116819	9.09667E-05	0.000117299	0.000122531	6.42356E-05	0.000116819	8.47873E-05
705	0.000110248	0.00011638	3.61672E-05	0.000114509	9.15629E-05	0.000115429	0.0001206	6.29756E-05	0.000114509	8.53757E-05
706	0.000107391	0.000113329	3.56523E-05	0.000110316	9.12813E-05	0.000111849	0.000116894	6.0679E-05	0.000110316	8.50816E-05
707	0.000104692	0.000110457	3.50497E-05	0.000106226	9.08009E-05	0.000108429	0.000113369	5.83246E-05	0.000106226	8.45885E-05
708	0.000101992	0.00010763	3.38843E-05	0.000102966	8.37594E-05	0.000105448	0.000110301	5.62217E-05	0.000102966	7.83954E-05
709	9.99077E-05	0.000105429	3.32077E-05	0.00010052	8.33241E-05	0.000103143	0.000107909	5.48143E-05	0.00010052	7.7955E-05
710	9.90675E-05	0.00010457	3.25912E-05	0.00010005	8.24201E-05	0.000102487	0.000107228	5.44078E-05	0.00010005	7.70441E-05
711	0.00010069	0.000106298	3.29448E-05	0.000102099	8.7516E-05	0.000104369	0.000109188	5.54941E-05	0.000102099	8.12697E-05
712	0.000107604	0.000113613	3.502E-05	0.000109026	8.58779E-05	0.000111527	0.000116696	5.91042E-05	0.000109026	7.96148E-05
713	0.000118869	0.00012555	3.81599E-05	0.000119786	8.47175E-05	0.000123	0.000128778	6.4399E-05	0.000119786	7.84427E-05
714	0.000131377	0.00013868	4.3151E-05	0.000129998	8.38155E-05	0.000134771	0.000141158	6.99861E-05	0.000129998	7.75361E-05
715	0.000141222	0.000148858	4.89808E-05	0.000136262	7.00037E-05	0.000142992	0.000149761	7.43451E-05	0.000136262	6.54471E-05
716	0.000142166	0.00014972	5.09205E-05	0.000135397	5.87328E-05	0.000142947	0.000149686	7.45954E-05	0.000135397	5.59488E-05
717	0.000137664	0.000144956	4.9577E-05	0.000129957	5.10704E-05	0.000137883	0.000144379	7.19979E-05	0.000129957	4.9146E-05
718	0.000132082	0.000139211	4.59534E-05	0.000122705	4.60632E-05	0.000131671	0.000137941	6.80806E-05	0.000122705	4.50409E-05
719	0.000120455	0.000127042	4.08758E-05	0.0001139	4.50733E-05	0.000121089	0.000126805	6.31158E-05	0.0001139	4.40452E-05
720	0.000110203	0.000116384	3.5538E-05	0.000106933	4.47532E-05	0.000112228	0.000117501	5.8751E-05	0.000106933	4.37252E-05
721	9.61577E-05	0.00010168	2.94483E-05	9.60813E-05	4.37916E-05	9.9347E-05	0.000103955	5.26155E-05	9.60813E-05	4.27515E-05
722	9.41601E-05	9.96541E-05	2.77902E-05	9.56266E-05	4.43448E-05	9.80997E-05	0.000102642	5.20348E-05	9.56266E-05	4.33156E-05
723	9.32075E-05	9.86727E-05	2.71854E-05	9.56096E-05	4.44789E-05	9.75632E-05	0.000102051	5.20489E-05	9.56096E-05	4.34538E-05
724	9.52161E-05	0.000100798	2.77833E-05	9.85922E-05	4.60185E-05	0.00010006	0.000104615	5.38599E-05	9.85922E-05	4.5016E-05
725	0.000100646	0.000106507	2.98363E-05	0.000104501	4.84443E-05	0.00010582	0.000110598	5.73687E-05	0.000104501	4.74682E-05
726	0.000107716	0.000113945	3.24659E-05	0.000110786	4.93512E-05	0.000112723	0.000117842	6.07945E-05	0.000110786	4.8359E-05
727	0.000113439	0.000119902	3.53613E-05	0.000115816	9.12066E-05	0.000118173	0.000123555	6.35897E-05	0.000115816	8.50645E-05
728	0.000111633	0.000117867	3.63149E-05	0.000116819	9.09667E-05	0.000117299	0.000122531	6.42356E-05	0.000116819	8.47873E-05
729	0.000110248	0.00011638	3.61672E-05	0.000114509	9.15629E-05	0.000115429	0.0001206	6.29756E-05	0.000114509	8.53757E-05
730	0.000107391	0.000113329	3.56523E-05	0.000110316	9.12813E-05	0.000111849	0.000116894	6.0679E-05	0.000110316	8.50816E-05
731	0.000104692	0.000110457	3.50497E-05	0.000106226	9.08009E-05	0.000108429	0.000113369	5.83246E-05	0.000106226	8.45885E-05
732	0.000101992	0.00010763	3.38843E-05	0.000102966	8.37594E-05	0.000105448	0.000110301	5.62217E-05	0.000102966	7.83954E-05
733	9.99077E-05	0.000105429	3.32077E-05	0.00010052	8.33241E-05	0.000103143	0.000107909	5.48143E-05	0.00010052	7.7955E-05
734	9.90675E-05	0.00010457	3.25912E-05	0.00010005	8.24201E-05	0.000102487	0.000107228	5.44078E-05	0.00010005	7.70441E-05
735	0.00010069	0.000106298	3.29448E-05	0.000102099	8.7516E-05	0.000104369	0.000109188	5.54941E-05	0.000102099	8.12697E-05
736	0.000107604	0.000113613	3.502E-05	0.000109026	8.58779E-05	0.000111527	0.000116696	5.91042E-05	0.000109026	7.96148E-05
737	0.000118869	0.00012555	3.81599E-05	0.000119786	8.47175E-05	0.000123	0.000128778	6.4399E-05	0.000119786	7.84427E-05
738	0.000131377	0.00013868	4.3151E-05	0.000129998	8.38155E-05	0.000134771	0.000141158	6.99861E-05	0.000129998	7.75361E-05
739	0.000141222	0.000148858	4.89808E-05	0.000136262	7.00037E-05	0.000142992	0.000149761	7.43451E-05	0.000136262	6.54471E-05
740	0.000142166	0.00014972	5.09205E-05	0.000135397	5.87328E-05	0.000142947	0.000149686	7.45954E-05	0.000135397	5.59488E-05
741	0.000137664	0.000144956	4.9577E-05	0.000129957	5.10704E-05	0.000137883	0.000144379	7.19979E-05	0.000129957	4.9146E-05
742	0.000132082	0.000139211	4.59534E-05	0.000122705	4.60632E-05	0.000131671	0.000137941	6.80806E-05	0.000122705	4.50409E-05
743	0.000120455	0.000127042	4.08758E-05	0.0001139	4.50733E-05	0.000121089	0.000126805	6.31158E-05	0.0001139	4.40452E-05
744	0.000110203	0.000116384	3.5538E-05	0.000106933	4.47532E-05	0.000112228	0.000117501	5.8751E-05	0.000106933	4.37252E-05
745	8.84743E-05	9.35254E-05	2.74545E-05	8.81833E-05	4.50302E-05	9.126E-05	9.54596E-05	4.86661E-05	8.81833E-05	4.40004E-05
746	8.61393E-05	9.11451E-05	2.56676E-05	8.72187E-05	4.52135E-05	8.95936E-05	9.37189E-05	4.77538E-05	8.72187E-05	4.4188E-05
747	8.51737E-05	9.01513E-05	2.50425E-05	8.71216E-05	4.61122E-05	8.90172E-05	9.30914E-05	4.76964E-05	8.71216E-05	4.5103E-05
748	8.74073E-05	9.25237E-05	2.55988E-05	8.99645E-05	4.78753E-05	9.16065E-05	9.57819E-05	4.92587E-05	8.99645E-05	4.68934E-05
749	9.34735E-05	9.8908E-05	2.78218E-05	9.65511E-05	5.15115E-05	9.8046E-05	0.000102476	5.31164E-05	9.65511E-05	5.05786E-05
750	0.000101169	0.00010701	3.06037E-05	0.00010345	5.27056E-05	0.000105595	0.000110403	5.68335E-05	0.00010345	5.17641E-05
751	0.00010452	0.000110421	3.32336E-05	0.000107523	9.43609E-05	0.000109137	0.000114059	5.92202E-05	0.000107523	8.82741E-05

752	0.00010024	0.00010581	3.29549E-05	0.000103605	9.40281E-05	0.000104721	0.000109436	5.69075E-05	0.000103605	8.78997E-05
753	9.80198E-05	0.000103437	3.25735E-05	0.000100371	9.50698E-05	0.000101947	0.000106561	5.51557E-05	0.000100371	8.89344E-05
754	9.64149E-05	0.00010172	3.23235E-05	9.72513E-05	9.57734E-05	9.96021E-05	0.000104168	5.32902E-05	9.72513E-05	8.96375E-05
755	9.6019E-05	0.000101286	3.23925E-05	9.58149E-05	9.62262E-05	9.87179E-05	0.000103285	5.23974E-05	9.58149E-05	9.00937E-05
756	9.29781E-05	9.80905E-05	3.12181E-05	9.24956E-05	9.00988E-05	9.54911E-05	9.99364E-05	5.04067E-05	9.24956E-05	8.48332E-05
757	9.0694E-05	9.56718E-05	3.05602E-05	9.01052E-05	8.98445E-05	9.30785E-05	9.74094E-05	4.91532E-05	9.01052E-05	8.4579E-05
758	8.87499E-05	9.3627E-05	2.98328E-05	8.91452E-05	8.84492E-05	9.15111E-05	9.57209E-05	4.88146E-05	8.91452E-05	8.31675E-05
759	8.95167E-05	9.44534E-05	2.98798E-05	8.99966E-05	9.24069E-05	9.23678E-05	9.66291E-05	4.91494E-05	8.99966E-05	8.62367E-05
760	9.47267E-05	9.9962E-05	3.14823E-05	9.50534E-05	8.93061E-05	9.76862E-05	0.000102214	5.17692E-05	9.50534E-05	8.30973E-05
761	0.000104606	0.000110421	3.43523E-05	0.000104719	8.67572E-05	0.000107829	0.000112873	5.66769E-05	0.000104719	8.05172E-05
762	0.000118885	0.000125433	3.97873E-05	0.000116715	8.52196E-05	0.000121451	0.000127201	6.31333E-05	0.000116715	7.89626E-05
763	0.000130781	0.000137781	4.62239E-05	0.000125396	7.13266E-05	0.000131953	0.000138175	6.88435E-05	0.000125396	6.67843E-05
764	0.00013226	0.000139213	4.82749E-05	0.000124993	6.01176E-05	0.000132437	0.000138664	6.92793E-05	0.000124993	5.73417E-05
765	0.00012969	0.000136526	4.7107E-05	0.000120157	5.24497E-05	0.000128858	0.000134961	6.69594E-05	0.000120157	5.05314E-05
766	0.000123522	0.00013014	4.35682E-05	0.00011335	4.71794E-05	0.000122447	0.000128295	6.3125E-05	0.00011335	4.61557E-05
767	0.000112643	0.000118764	3.86972E-05	0.000105347	4.56933E-05	0.000112665	0.000117997	5.85798E-05	0.000105347	4.46551E-05
768	0.000103187	0.000108946	3.36103E-05	9.93457E-05	4.48668E-05	0.000104699	0.000109621	5.47714E-05	9.93457E-05	4.38211E-05
769	8.84743E-05	9.35254E-05	2.74545E-05	8.81833E-05	4.50302E-05	9.126E-05	9.54596E-05	4.86661E-05	8.81833E-05	4.40004E-05
770	8.61393E-05	9.11451E-05	2.56676E-05	8.72187E-05	4.52135E-05	8.95936E-05	9.37189E-05	4.77538E-05	8.72187E-05	4.4188E-05
771	8.51737E-05	9.01513E-05	2.50425E-05	8.71216E-05	4.61122E-05	8.90172E-05	9.30914E-05	4.76964E-05	8.71216E-05	4.5103E-05
772	8.74073E-05	9.25237E-05	2.55988E-05	8.99645E-05	4.78753E-05	9.16065E-05	9.57819E-05	4.92587E-05	8.99645E-05	4.68934E-05
773	9.34735E-05	9.8908E-05	2.78218E-05	9.65511E-05	5.15115E-05	9.8046E-05	0.000102476	5.31164E-05	9.65511E-05	5.05786E-05
774	0.000101169	0.00010701	3.06037E-05	0.00010345	5.27056E-05	0.000105595	0.000110403	5.68335E-05	0.00010345	5.17641E-05
775	0.00010452	0.000110421	3.32336E-05	0.000107523	9.43609E-05	0.000109137	0.000114059	5.92202E-05	0.000107523	8.82741E-05
776	0.00010024	0.00010581	3.29549E-05	0.000103605	9.40281E-05	0.000104721	0.000109436	5.69075E-05	0.000103605	8.78997E-05
777	9.80198E-05	0.000103437	3.25735E-05	0.000100371	9.50698E-05	0.000101947	0.000106561	5.51557E-05	0.000100371	8.89344E-05
778	9.64149E-05	0.00010172	3.23235E-05	9.72513E-05	9.57734E-05	9.96021E-05	0.000104168	5.32902E-05	9.72513E-05	8.96375E-05
779	9.6019E-05	0.000101286	3.23925E-05	9.58149E-05	9.62262E-05	9.87179E-05	0.000103285	5.23974E-05	9.58149E-05	9.00937E-05
780	9.29781E-05	9.80905E-05	3.12181E-05	9.24956E-05	9.00988E-05	9.54911E-05	9.99364E-05	5.04067E-05	9.24956E-05	8.48332E-05
781	9.0694E-05	9.56718E-05	3.05602E-05	9.01052E-05	8.98445E-05	9.30785E-05	9.74094E-05	4.91532E-05	9.01052E-05	8.4579E-05
782	8.87499E-05	9.3627E-05	2.98328E-05	8.91452E-05	8.84492E-05	9.15111E-05	9.57209E-05	4.88146E-05	8.91452E-05	8.31675E-05
783	8.95167E-05	9.44534E-05	2.98798E-05	8.99966E-05	9.24069E-05	9.23678E-05	9.66291E-05	4.91494E-05	8.99966E-05	8.62367E-05
784	9.47267E-05	9.9962E-05	3.14823E-05	9.50534E-05	8.93061E-05	9.76862E-05	0.000102214	5.17692E-05	9.50534E-05	8.30973E-05
785	0.000104606	0.000110421	3.43523E-05	0.000104719	8.67572E-05	0.000107829	0.000112873	5.66769E-05	0.000104719	8.05172E-05
786	0.000118885	0.000125433	3.97873E-05	0.000116715	8.52196E-05	0.000121451	0.000127201	6.31333E-05	0.000116715	7.89626E-05
787	0.000130781	0.000137781	4.62239E-05	0.000125396	7.13266E-05	0.000131953	0.000138175	6.88435E-05	0.000125396	6.67843E-05
788	0.00013226	0.000139213	4.82749E-05	0.000124993	6.01176E-05	0.000132437	0.000138664	6.92793E-05	0.000124993	5.73417E-05
789	0.00012969	0.000136526	4.7107E-05	0.000120157	5.24497E-05	0.000128858	0.000134961	6.69594E-05	0.000120157	5.05314E-05
790	0.000123522	0.00013014	4.35682E-05	0.00011335	4.71794E-05	0.000122447	0.000128295	6.3125E-05	0.00011335	4.61557E-05
791	0.000112643	0.000118764	3.86972E-05	0.000105347	4.56933E-05	0.000112665	0.000117997	5.85798E-05	0.000105347	4.46551E-05
792	0.000103187	0.000108946	3.36103E-05	9.93457E-05	4.48668E-05	0.000104699	0.000109621	5.47714E-05	9.93457E-05	4.38211E-05
793	8.84743E-05	9.35254E-05	2.74545E-05	8.81833E-05	4.50302E-05	9.126E-05	9.54596E-05	4.86661E-05	8.81833E-05	4.40004E-05
794	8.61393E-05	9.11451E-05	2.56676E-05	8.72187E-05	4.52135E-05	8.95936E-05	9.37189E-05	4.77538E-05	8.72187E-05	4.4188E-05
795	8.51737E-05	9.01513E-05	2.50425E-05	8.71216E-05	4.61122E-05	8.90172E-05	9.30914E-05	4.76964E-05	8.71216E-05	4.5103E-05
796	8.74073E-05	9.25237E-05	2.55988E-05	8.99645E-05	4.78753E-05	9.16065E-05	9.57819E-05	4.92587E-05	8.99645E-05	4.68934E-05
797	9.34735E-05	9.8908E-05	2.78218E-05	9.65511E-05	5.15115E-05	9.8046E-05	0.000102476	5.31164E-05	9.65511E-05	5.05786E-05
798	0.000101169	0.00010701	3.06037E-05	0.00010345	5.27056E-05	0.000105595	0.000110403	5.68335E-05	0.00010345	5.17641E-05
799	0.00010452	0.000110421	3.32336E-05	0.000107523	9.43609E-05	0.000109137	0.000114059	5.92202E-05	0.000107523	8.82741E-05
800	0.00010024	0.00010581	3.29549E-05	0.000103605	9.40281E-05	0.000104721	0.000109436	5.69075E-05	0.000103605	8.78997E-05
801	9.80198E-05	0.000103437	3.25735E-05	0.000100371	9.50698E-05	0.000101947	0.000106561	5.51557E-05	0.000100371	8.89344E-05
802	9.64149E-05	0.00010172	3.23235E-05	9.72513E-05	9.57734E-05	9.96021E-05	0.000104168	5.32902E-05	9.72513E-05	8.96375E-05
803	9.6019E-05	0.000101286	3.23925E-05	9.58149E-05	9.62262E-05	9.87179E-05	0.000103285	5.23974E-05	9.58149E-05	9.00937E-05
804	9.29781E-05	9.80905E-05	3.12181E-05	9.24956E-05	9.00988E-05	9.54911E-05	9.99364E-05	5.04067E-05	9.24956E-05	8.48332E-05
805	9.0694E-05	9.56718E-05	3.05602E-05	9.01052E-05	8.98445E-05	9.30785E-05	9.74094E-05	4.91532E-05	9.01052E-05	8.4579E-05
806	8.87499E-05	9.3627E-05	2.98328E-05	8.91452E-05	8.84492E-05	9.15111E-05	9.57209E-05	4.88146E-05	8.91452E-05	8.31675E-05
807	8.95167E-05	9.44534E-05	2.98798E-05	8.99966E-05	9.24069E-05	9.23678E-05	9.66291E-05	4.91494E-05	8.99966E-05	8.62367E-05
808	9.47267E-05	9.9962E-05	3.14823E-05	9.50534E-05	8.93061E-05	9.76862E-05	0.000102214	5.17692E-05	9.50534E-05	8.30973E-05
809	0.000104606	0.000110421	3.43523E-05	0.000104719	8.67572E-05	0.000107829	0.000112873	5.66769E-05	0.000104719	8.05172E-05
810	0.000118885	0.000125433	3.97873E-05	0.000116715	8.52196E-05	0.000121451	0.000127201	6.31333E-05	0.000116715	7.89626E-05
811	0.000130781	0.000137781	4.62239E-05	0.000125396	7.13266E-05	0.000131953	0.000138175	6.88435E-05	0.000125396	6.67843E-05
812	0.00013226	0.000139213	4.82749E-05	0.000124993	6.01176E-05	0.000132437	0.000138664	6.92793E-05	0.000124993	5.73417E-05
813	0.00012969	0.000136526	4.7107E-05	0.000120157	5.24497E-05	0.000128858	0.000134961	6.69594E-05	0.000120157	5.05314E-05
814	0.000123522	0.00013014	4.35682E-05	0.00011335	4.71794E-05	0.000122447	0.000128295	6.3125E-05	0.00011335	4.61557E-05
815	0.000112643	0.000118764	3.86972E-05	0.000105347	4.56933E-05	0.000112665	0.000117997	5.85798E-05	0.000105347	4.46551E-05
816	0.000103187	0.000108946	3.36103E-05	9.93457E-05	4.48668E-05	0.000104699	0.000109621	5.47714E-05	9.93457E-05	4.38211E-05
817	8.84743E-05	9.35254E-05	2.74545E-05	8.81833E-05	4.50302E-05	9.126E-05	9.54596E-05	4.86661E-05	8.81833E-05	4.40004E-05
818	8.61393E-05	9.11451E-05	2.56676E-05	8.72187E-05	4.52135E-05	8.95936E-05	9.37189E-05	4.77538E-05	8.72187E-05	4.4188E-05
819	8.51737E-05	9.01513E-05	2.50425E-05	8.71216E-05	4.61122E-05	8.90172E-05	9.30914E-05	4.76964E-05	8.71216E-05	4.5103E-05
820	8.74073E-05	9.25237E-05	2.55988E-05	8.99645E-05	4.78753E-05	9.16065E-05	9.57819E-05	4.92587E-05	8.99645E-05	4.68934E-05
821	9.34735E-05	9.8908E-05	2.78218E-05	9.65511E-05	5.15115E-05	9.8046E-05	0.000102476	5.31164E-05	9.65511E-05	5.05786E-05
822	0.000101169	0.00010701	3.06037E-05	0.00010345	5.27056E-05	0.000105595	0.000110403	5.68335E-05	0.00010345	5.17641E-05
823	0.00010452	0.000110421	3.32336E-05	0.000107523	9.43609E-05	0.000109137	0.000114059	5.92202E-05	0.000107523	8.82741E-05
824	0.00010024	0.00010581	3.29549E-05	0.000103605	9.40281E-05	0.000104721	0.000109436	5.69075E-05	0.000103605	8.78997E-05
825	9.80198E-05	0.000103437	3.25735E-05	0.000100371	9.50698E-05	0.000101947	0.000106561	5.51557E-05	0.000100371	8.89344E-05
826	9.64149E-05	0.00010172	3.23235E-05	9.72513E-05	9.57734E-05	9.96021E-05	0.000104168	5.32902E-05	9.72513E-05	8.96375E-05
827	9.6019E-05	0.000101286	3.23925E-05	9.58149E-05	9.62262E-05	9.87179E-05	0.000103285	5.23974E-05	9.58149E-05	9.00937E-05

828	9.29781E-05	9.80905E-05	3.12181E-05	9.24956E-05	9.00988E-05	9.54911E-05	9.99364E-05	5.04067E-05	9.24956E-05	8.48332E-05
829	9.0694E-05	9.56718E-05	3.05602E-05	9.01052E-05	8.98445E-05	9.30785E-05	9.74094E-05	4.91532E-05	9.01052E-05	8.4579E-05
830	8.87499E-05	9.3627E-05	2.98328E-05	8.91452E-05	8.84492E-05	9.15111E-05	9.57209E-05	4.88146E-05	8.91452E-05	8.31675E-05
831	8.95167E-05	9.44534E-05	2.98798E-05	8.99966E-05	9.24069E-05	9.23678E-05	9.66291E-05	4.91494E-05	8.99966E-05	8.62367E-05
832	9.47267E-05	9.9962E-05	3.14823E-05	9.50534E-05	8.93061E-05	9.76862E-05	0.000102214	5.17692E-05	9.50534E-05	8.30973E-05
833	0.000104606	0.000110421	3.43523E-05	0.000104719	8.67572E-05	0.000107829	0.000112873	5.66769E-05	0.000104719	8.05172E-05
834	0.000118885	0.000125433	3.97873E-05	0.000116715	8.52196E-05	0.000121451	0.000127201	6.31333E-05	0.000116715	7.89626E-05
835	0.000130781	0.000137781	4.62239E-05	0.000125396	7.13266E-05	0.000131953	0.000138175	6.88435E-05	0.000125396	6.67843E-05
836	0.00013226	0.000139213	4.82749E-05	0.000124993	6.01176E-05	0.000132437	0.000138664	6.92793E-05	0.000124993	5.73417E-05
837	0.00012969	0.000136526	4.7107E-05	0.000120157	5.24497E-05	0.000128858	0.000134961	6.69594E-05	0.000120157	5.05314E-05
838	0.000123522	0.00013014	4.35682E-05	0.00011335	4.71794E-05	0.000122447	0.000128295	6.3125E-05	0.00011335	4.61557E-05
839	0.000112643	0.000118764	3.86972E-05	0.000105347	4.56933E-05	0.000112665	0.000117997	5.85798E-05	0.000105347	4.46551E-05
840	0.000103187	0.000108946	3.36103E-05	9.93457E-05	4.48668E-05	0.000104699	0.000109621	5.47714E-05	9.93457E-05	4.38211E-05
841	8.84743E-05	9.35254E-05	2.74545E-05	8.81833E-05	4.50302E-05	9.126E-05	9.54596E-05	4.86661E-05	8.81833E-05	4.40004E-05
842	8.61393E-05	9.11451E-05	2.56676E-05	8.72187E-05	4.52135E-05	8.95936E-05	9.37189E-05	4.77538E-05	8.72187E-05	4.4188E-05
843	8.51737E-05	9.01513E-05	2.50425E-05	8.71216E-05	4.61122E-05	8.90172E-05	9.30914E-05	4.76964E-05	8.71216E-05	4.5103E-05
844	8.74073E-05	9.25237E-05	2.55988E-05	8.99645E-05	4.78753E-05	9.16065E-05	9.57819E-05	4.92587E-05	8.99645E-05	4.68934E-05
845	9.34735E-05	9.8908E-05	2.78218E-05	9.65511E-05	5.15115E-05	9.8046E-05	0.000102476	5.31164E-05	9.65511E-05	5.05786E-05
846	0.000101169	0.00010701	3.06037E-05	0.00010345	5.27056E-05	0.000105595	0.000110403	5.68335E-05	0.00010345	5.17641E-05
847	0.00010452	0.000110421	3.32336E-05	0.000107523	9.43609E-05	0.000109137	0.000114059	5.92202E-05	0.000107523	8.82741E-05
848	0.00010024	0.00010581	3.29549E-05	0.000103605	9.40281E-05	0.000104721	0.000109436	5.69075E-05	0.000103605	8.78997E-05
849	9.80198E-05	0.000103437	3.25735E-05	0.000100371	9.50698E-05	0.000101947	0.000106561	5.51557E-05	0.000100371	8.89344E-05
850	9.64149E-05	0.00010172	3.23235E-05	9.72513E-05	9.57734E-05	9.96021E-05	0.000104168	5.32902E-05	9.72513E-05	8.96375E-05
851	9.6019E-05	0.000101286	3.23925E-05	9.58149E-05	9.62262E-05	9.87179E-05	0.000103285	5.23974E-05	9.58149E-05	9.00937E-05
852	9.29781E-05	9.80905E-05	3.12181E-05	9.24956E-05	9.00988E-05	9.54911E-05	9.99364E-05	5.04067E-05	9.24956E-05	8.48332E-05
853	9.0694E-05	9.56718E-05	3.05602E-05	9.01052E-05	8.98445E-05	9.30785E-05	9.74094E-05	4.91532E-05	9.01052E-05	8.4579E-05
854	8.87499E-05	9.3627E-05	2.98328E-05	8.91452E-05	8.84492E-05	9.15111E-05	9.57209E-05	4.88146E-05	8.91452E-05	8.31675E-05
855	8.95167E-05	9.44534E-05	2.98798E-05	8.99966E-05	9.24069E-05	9.23678E-05	9.66291E-05	4.91494E-05	8.99966E-05	8.62367E-05
856	9.47267E-05	9.9962E-05	3.14823E-05	9.50534E-05	8.93061E-05	9.76862E-05	0.000102214	5.17692E-05	9.50534E-05	8.30973E-05
857	0.000104606	0.000110421	3.43523E-05	0.000104719	8.67572E-05	0.000107829	0.000112873	5.66769E-05	0.000104719	8.05172E-05
858	0.000118885	0.000125433	3.97873E-05	0.000116715	8.52196E-05	0.000121451	0.000127201	6.31333E-05	0.000116715	7.89626E-05
859	0.000130781	0.000137781	4.62239E-05	0.000125396	7.13266E-05	0.000131953	0.000138175	6.88435E-05	0.000125396	6.67843E-05
860	0.00013226	0.000139213	4.82749E-05	0.000124993	6.01176E-05	0.000132437	0.000138664	6.92793E-05	0.000124993	5.73417E-05
861	0.00012969	0.000136526	4.7107E-05	0.000120157	5.24497E-05	0.000128858	0.000134961	6.69594E-05	0.000120157	5.05314E-05
862	0.000123522	0.00013014	4.35682E-05	0.00011335	4.71794E-05	0.000122447	0.000128295	6.3125E-05	0.00011335	4.61557E-05
863	0.000112643	0.000118764	3.86972E-05	0.000105347	4.56933E-05	0.000112665	0.000117997	5.85798E-05	0.000105347	4.46551E-05
864	0.000103187	0.000108946	3.36103E-05	9.93457E-05	4.48668E-05	0.000104699	0.000109621	5.47714E-05	9.93457E-05	4.38211E-05
865	8.93408E-05	9.44428E-05	2.77063E-05	8.91778E-05	4.4745E-05	9.22126E-05	9.64523E-05	4.92124E-05	8.91778E-05	4.37106E-05
866	8.66884E-05	9.17242E-05	2.58542E-05	8.7949E-05	4.52787E-05	9.02362E-05	9.4381E-05	4.81984E-05	8.7949E-05	4.42539E-05
867	8.57187E-05	9.07265E-05	2.52233E-05	8.78301E-05	4.62535E-05	8.96487E-05	9.37432E-05	4.81215E-05	8.78301E-05	4.52457E-05
868	8.79671E-05	9.31161E-05	2.57652E-05	9.06203E-05	4.80469E-05	9.22271E-05	9.64276E-05	4.96248E-05	9.06203E-05	4.7067E-05
869	9.42446E-05	9.97232E-05	2.80606E-05	9.74904E-05	5.18109E-05	9.89149E-05	0.000103377	5.36559E-05	9.74904E-05	5.08819E-05
870	0.0001021	0.000107995	3.08827E-05	0.00010455	5.31174E-05	0.000106631	0.00011148	5.74511E-05	0.00010455	5.21813E-05
871	0.000106944	0.000113015	3.3601E-05	0.000108871	9.48201E-05	0.000111233	0.000116285	5.99862E-05	0.000108871	8.87391E-05
872	0.000100726	0.000106321	3.31347E-05	0.000104306	9.46769E-05	0.000105312	0.00011004	5.73544E-05	0.000104306	8.85557E-05
873	9.84593E-05	0.000103899	3.27413E-05	0.000101024	9.58543E-05	0.000102488	0.000107113	5.55789E-05	0.000101024	8.97269E-05
874	9.6752E-05	0.000102077	3.24254E-05	9.76527E-05	9.66346E-05	9.99783E-05	0.000104559	5.3517E-05	9.76527E-05	9.05074E-05
875	9.64057E-05	0.000101695	3.25096E-05	9.6276E-05	9.70469E-05	9.91497E-05	0.000103734	5.26582E-05	9.6276E-05	9.09225E-05
876	9.33244E-05	9.84566E-05	3.13258E-05	9.29193E-05	9.09408E-05	9.58821E-05	0.000100342	5.06508E-05	9.29193E-05	8.56833E-05
877	9.10583E-05	9.60562E-05	3.06809E-05	9.0578E-05	9.06627E-05	9.35002E-05	9.78448E-05	4.94367E-05	9.0578E-05	8.54047E-05
878	8.89924E-05	9.38792E-05	2.99587E-05	8.96289E-05	8.91764E-05	9.18577E-05	9.60667E-05	4.91692E-05	8.96289E-05	8.39017E-05
879	8.98413E-05	9.47934E-05	3.00171E-05	9.05286E-05	9.29787E-05	9.27868E-05	9.70537E-05	4.95108E-05	9.05286E-05	8.68136E-05
880	9.51895E-05	0.000100449	3.16523E-05	9.57163E-05	8.97116E-05	9.82463E-05	0.000102787	5.21904E-05	9.57163E-05	8.35064E-05
881	0.000105124	0.000110969	3.45222E-05	0.000105386	8.70986E-05	0.000108427	0.00011349	5.70738E-05	0.000105386	8.08618E-05
882	0.000119671	0.000126263	4.00346E-05	0.000117687	8.55182E-05	0.000122342	0.000128124	6.36977E-05	0.000117687	7.92642E-05
883	0.000131613	0.000138659	4.64943E-05	0.000126457	7.15305E-05	0.000132909	0.000139163	6.94719E-05	0.000126457	6.69901E-05
884	0.000133059	0.000140057	4.85242E-05	0.000125973	6.02391E-05	0.00013334	0.0001396	6.98452E-05	0.000125973	5.74638E-05
885	0.000129019	0.000135786	4.72737E-05	0.000120912	5.25705E-05	0.000128724	0.000134772	6.73882E-05	0.000120912	5.06528E-05
886	0.00012425	0.00013091	4.37874E-05	0.000114214	4.73312E-05	0.000123258	0.000129139	6.36119E-05	0.000114214	4.63085E-05
887	0.000113361	0.000119523	3.89129E-05	0.000106197	4.57261E-05	0.000113464	0.000118828	5.9058E-05	0.000106197	4.46866E-05
888	0.0001038	0.000109594	3.38067E-05	0.000100117	4.47209E-05	0.000105399	0.000110346	5.52243E-05	0.000100117	4.36711E-05
889	8.93408E-05	9.44428E-05	2.77063E-05	8.91778E-05	4.4745E-05	9.22126E-05	9.64523E-05	4.92124E-05	8.91778E-05	4.37106E-05
890	8.66884E-05	9.17242E-05	2.58542E-05	8.7949E-05	4.52787E-05	9.02362E-05	9.4381E-05	4.81984E-05	8.7949E-05	4.42539E-05
891	8.57187E-05	9.07265E-05	2.52233E-05	8.78301E-05	4.62535E-05	8.96487E-05	9.37432E-05	4.81215E-05	8.78301E-05	4.52457E-05
892	8.79671E-05	9.31161E-05	2.57652E-05	9.06203E-05	4.80469E-05	9.22271E-05	9.64276E-05	4.96248E-05	9.06203E-05	4.7067E-05
893	9.42446E-05	9.97232E-05	2.80606E-05	9.74904E-05	5.18109E-05	9.89149E-05	0.000103377	5.36559E-05	9.74904E-05	5.08819E-05
894	0.0001021	0.000107995	3.08827E-05	0.00010455	5.31174E-05	0.000106631	0.00011148	5.74511E-05	0.00010455	5.21813E-05
895	0.000106944	0.000113015	3.3601E-05	0.000108871	9.48201E-05	0.000111233	0.000116285	5.99862E-05	0.000108871	8.87391E-05
896	0.000100726	0.000106321	3.31347E-05	0.000104306	9.46769E-05	0.000105312	0.00011004	5.73544E-05	0.000104306	8.85557E-05
897	9.84593E-05	0.000103899	3.27413E-05	0.000101024	9.58543E-05	0.000102488	0.000107113	5.55789E-05	0.000101024	8.97269E-05
898	9.6752E-05	0.000102077	3.24254E-05	9.76527E-05	9.66346E-05	9.99783E-05	0.000104559	5.3517E-05	9.76527E-05	9.05074E-05
899	9.64057E-05	0.000101695	3.25096E-05	9.6276E-05	9.70469E-05	9.91497E-05	0.000103734	5.26582E-05	9.6276E-05	9.09225E-05
900	9.33244E-05	9.84566E-05	3.13258E-05	9.29193E-05	9.09408E-05	9.58821E-05	0.000100342	5.06508E-05	9.29193E-05	8.56833E-05
901	9.10583E-05	9.60562E-05	3.06809E-05	9.0578E-05	9.06627E-05	9.35002E-05	9.78448E-05	4.94367E-05	9.0578E-05	8.54047E-05
902	8.89924E-05	9.38792E-05	2.99587E-05	8.96289E-05	8.91764E-05	9.18577E-05	9.60667E-05	4.91692E-05	8.96289E-05	8.39017E-05
903	8.98413E-05	9.47934E-05	3.00171E-05	9.05286E-05	9.29787E-05	9.27868E-05	9.70537E-05	4.95108E-05	9.05286E-05	8.68136E-05

904	9.51895E-05	0.000100449	3.16523E-05	9.57163E-05	8.97116E-05	9.82463E-05	0.000102787	5.21904E-05	9.57163E-05	8.35064E-05
905	0.000105124	0.000110969	3.45222E-05	0.000105386	8.70986E-05	0.000108427	0.00011349	5.70738E-05	0.000105386	8.08618E-05
906	0.000119671	0.000126263	4.00346E-05	0.000117687	8.55182E-05	0.000122342	0.000128124	6.36977E-05	0.000117687	7.92642E-05
907	0.000131613	0.000138659	4.64943E-05	0.000126457	7.15305E-05	0.000132909	0.000139163	6.94719E-05	0.000126457	6.69901E-05
908	0.000133059	0.000140057	4.85242E-05	0.000125973	6.02391E-05	0.00013334	0.0001396	6.98452E-05	0.000125973	5.74638E-05
909	0.000129019	0.000135786	4.72737E-05	0.000120912	5.25705E-05	0.000128724	0.000134772	6.73882E-05	0.000120912	5.06528E-05
910	0.00012425	0.00013091	4.37874E-05	0.000114214	4.73312E-05	0.000123258	0.000129139	6.36119E-05	0.000114214	4.63085E-05
911	0.000113361	0.000119523	3.89129E-05	0.000106197	4.57261E-05	0.000113464	0.000118828	5.9058E-05	0.000106197	4.46866E-05
912	0.0001038	0.000109594	3.38067E-05	0.000100117	4.47209E-05	0.000105399	0.000110346	5.52243E-05	0.000100117	4.36711E-05
913	8.84743E-05	9.35254E-05	2.74545E-05	8.81833E-05	4.50302E-05	9.126E-05	9.54596E-05	4.86661E-05	8.81833E-05	4.40004E-05
914	8.61393E-05	9.11451E-05	2.56676E-05	8.72187E-05	4.52135E-05	8.95936E-05	9.37189E-05	4.77538E-05	8.72187E-05	4.4188E-05
915	8.51737E-05	9.01513E-05	2.50425E-05	8.71216E-05	4.61122E-05	8.90172E-05	9.30914E-05	4.76964E-05	8.71216E-05	4.5103E-05
916	8.74073E-05	9.25237E-05	2.55988E-05	8.99645E-05	4.78753E-05	9.16065E-05	9.57819E-05	4.92587E-05	8.99645E-05	4.68934E-05
917	9.34735E-05	9.8908E-05	2.78218E-05	9.65511E-05	5.15115E-05	9.8046E-05	0.000102476	5.31164E-05	9.65511E-05	5.05786E-05
918	0.000101169	0.00010701	3.06037E-05	0.00010345	5.27056E-05	0.000105595	0.000110403	5.68335E-05	0.00010345	5.17641E-05
919	0.00010452	0.000110421	3.32336E-05	0.000107523	9.43609E-05	0.000109137	0.000114059	5.92202E-05	0.000107523	8.82741E-05
920	0.00010024	0.00010581	3.29549E-05	0.000103605	9.40281E-05	0.000104721	0.000109436	5.69075E-05	0.000103605	8.78997E-05
921	9.80198E-05	0.000103437	3.25735E-05	0.000100371	9.50698E-05	0.000101947	0.000106561	5.51557E-05	0.000100371	8.89344E-05
922	9.64149E-05	0.00010172	3.23235E-05	9.72513E-05	9.57734E-05	9.96021E-05	0.000104168	5.32902E-05	9.72513E-05	8.96375E-05
923	9.6019E-05	0.000101286	3.23925E-05	9.58149E-05	9.62262E-05	9.87179E-05	0.000103285	5.23974E-05	9.58149E-05	9.00937E-05
924	9.29781E-05	9.80905E-05	3.12181E-05	9.24956E-05	9.00988E-05	9.54911E-05	9.99364E-05	5.04067E-05	9.24956E-05	8.48332E-05
925	9.0694E-05	9.56718E-05	3.05602E-05	9.01052E-05	8.98445E-05	9.30785E-05	9.74094E-05	4.91532E-05	9.01052E-05	8.4579E-05
926	8.87499E-05	9.3627E-05	2.98328E-05	8.91452E-05	8.84492E-05	9.15111E-05	9.57209E-05	4.88146E-05	8.91452E-05	8.31675E-05
927	8.95167E-05	9.44534E-05	2.98798E-05	8.99966E-05	9.24069E-05	9.23678E-05	9.66291E-05	4.91494E-05	8.99966E-05	8.62367E-05
928	9.47267E-05	9.9962E-05	3.14823E-05	9.50534E-05	8.93061E-05	9.76862E-05	0.000102214	5.17692E-05	9.50534E-05	8.30973E-05
929	0.000104606	0.000110421	3.43523E-05	0.000104719	8.67572E-05	0.000107829	0.000112873	5.66769E-05	0.000104719	8.05172E-05
930	0.000118885	0.000125433	3.97873E-05	0.000116715	8.52196E-05	0.000121451	0.000127201	6.31333E-05	0.000116715	7.89626E-05
931	0.000130781	0.000137781	4.62239E-05	0.000125396	7.13266E-05	0.000131953	0.000138175	6.88435E-05	0.000125396	6.67843E-05
932	0.00013226	0.000139213	4.82749E-05	0.000124993	6.01176E-05	0.000132437	0.000138664	6.92793E-05	0.000124993	5.73417E-05
933	0.00012969	0.000136526	4.7107E-05	0.000120157	5.24497E-05	0.000128858	0.000134961	6.69594E-05	0.000120157	5.05314E-05
934	0.000123522	0.00013014	4.35682E-05	0.00011335	4.71794E-05	0.000122447	0.000128295	6.3125E-05	0.00011335	4.61557E-05
935	0.000112643	0.000118764	3.86972E-05	0.000105347	4.56933E-05	0.000112665	0.000117997	5.85798E-05	0.000105347	4.46551E-05
936	0.000103187	0.000108946	3.36103E-05	9.93457E-05	4.48668E-05	0.000104699	0.000109621	5.47714E-05	9.93457E-05	4.38211E-05
937	8.84743E-05	9.35254E-05	2.74545E-05	8.81833E-05	4.50302E-05	9.126E-05	9.54596E-05	4.86661E-05	8.81833E-05	4.40004E-05
938	8.61393E-05	9.11451E-05	2.56676E-05	8.72187E-05	4.52135E-05	8.95936E-05	9.37189E-05	4.77538E-05	8.72187E-05	4.4188E-05
939	8.51737E-05	9.01513E-05	2.50425E-05	8.71216E-05	4.61122E-05	8.90172E-05	9.30914E-05	4.76964E-05	8.71216E-05	4.5103E-05
940	8.74073E-05	9.25237E-05	2.55988E-05	8.99645E-05	4.78753E-05	9.16065E-05	9.57819E-05	4.92587E-05	8.99645E-05	4.68934E-05
941	9.34735E-05	9.8908E-05	2.78218E-05	9.65511E-05	5.15115E-05	9.8046E-05	0.000102476	5.31164E-05	9.65511E-05	5.05786E-05
942	0.000101169	0.00010701	3.06037E-05	0.00010345	5.27056E-05	0.000105595	0.000110403	5.68335E-05	0.00010345	5.17641E-05
943	0.00010452	0.000110421	3.32336E-05	0.000107523	9.43609E-05	0.000109137	0.000114059	5.92202E-05	0.000107523	8.82741E-05
944	0.00010024	0.00010581	3.29549E-05	0.000103605	9.40281E-05	0.000104721	0.000109436	5.69075E-05	0.000103605	8.78997E-05
945	9.80198E-05	0.000103437	3.25735E-05	0.000100371	9.50698E-05	0.000101947	0.000106561	5.51557E-05	0.000100371	8.89344E-05
946	9.64149E-05	0.00010172	3.23235E-05	9.72513E-05	9.57734E-05	9.96021E-05	0.000104168	5.32902E-05	9.72513E-05	8.96375E-05
947	9.6019E-05	0.000101286	3.23925E-05	9.58149E-05	9.62262E-05	9.87179E-05	0.000103285	5.23974E-05	9.58149E-05	9.00937E-05
948	9.29781E-05	9.80905E-05	3.12181E-05	9.24956E-05	9.00988E-05	9.54911E-05	9.99364E-05	5.04067E-05	9.24956E-05	8.48332E-05
949	9.0694E-05	9.56718E-05	3.05602E-05	9.01052E-05	8.98445E-05	9.30785E-05	9.74094E-05	4.91532E-05	9.01052E-05	8.4579E-05
950	8.87499E-05	9.3627E-05	2.98328E-05	8.91452E-05	8.84492E-05	9.15111E-05	9.57209E-05	4.88146E-05	8.91452E-05	8.31675E-05
951	8.95167E-05	9.44534E-05	2.98798E-05	8.99966E-05	9.24069E-05	9.23678E-05	9.66291E-05	4.91494E-05	8.99966E-05	8.62367E-05
952	9.47267E-05	9.9962E-05	3.14823E-05	9.50534E-05	8.93061E-05	9.76862E-05	0.000102214	5.17692E-05	9.50534E-05	8.30973E-05
953	0.000104606	0.000110421	3.43523E-05	0.000104719	8.67572E-05	0.000107829	0.000112873	5.66769E-05	0.000104719	8.05172E-05
954	0.000118885	0.000125433	3.97873E-05	0.000116715	8.52196E-05	0.000121451	0.000127201	6.31333E-05	0.000116715	7.89626E-05
955	0.000130781	0.000137781	4.62239E-05	0.000125396	7.13266E-05	0.000131953	0.000138175	6.88435E-05	0.000125396	6.67843E-05
956	0.00013226	0.000139213	4.82749E-05	0.000124993	6.01176E-05	0.000132437	0.000138664	6.92793E-05	0.000124993	5.73417E-05
957	0.00012969	0.000136526	4.7107E-05	0.000120157	5.24497E-05	0.000128858	0.000134961	6.69594E-05	0.000120157	5.05314E-05
958	0.000123522	0.00013014	4.35682E-05	0.00011335	4.71794E-05	0.000122447	0.000128295	6.3125E-05	0.00011335	4.61557E-05
959	0.000112643	0.000118764	3.86972E-05	0.000105347	4.56933E-05	0.000112665	0.000117997	5.85798E-05	0.000105347	4.46551E-05
960	0.000103187	0.000108946	3.36103E-05	9.93457E-05	4.48668E-05	0.000104699	0.000109621	5.47714E-05	9.93457E-05	4.38211E-05
961	8.84743E-05	9.35254E-05	2.74545E-05	8.81833E-05	4.50302E-05	9.126E-05	9.54596E-05	4.86661E-05	8.81833E-05	4.40004E-05
962	8.61393E-05	9.11451E-05	2.56676E-05	8.72187E-05	4.52135E-05	8.95936E-05	9.37189E-05	4.77538E-05	8.72187E-05	4.4188E-05
963	8.51737E-05	9.01513E-05	2.50425E-05	8.71216E-05	4.61122E-05	8.90172E-05	9.30914E-05	4.76964E-05	8.71216E-05	4.5103E-05
964	8.74073E-05	9.25237E-05	2.55988E-05	8.99645E-05	4.78753E-05	9.16065E-05	9.57819E-05	4.92587E-05	8.99645E-05	4.68934E-05
965	9.34735E-05	9.8908E-05	2.78218E-05	9.65511E-05	5.15115E-05	9.8046E-05	0.000102476	5.31164E-05	9.65511E-05	5.05786E-05
966	0.000101169	0.00010701	3.06037E-05	0.00010345	5.27056E-05	0.000105595	0.000110403	5.68335E-05	0.00010345	5.17641E-05
967	0.00010452	0.000110421	3.32336E-05	0.000107523	9.43609E-05	0.000109137	0.000114059	5.92202E-05	0.000107523	8.82741E-05
968	0.00010024	0.00010581	3.29549E-05	0.000103605	9.40281E-05	0.000104721	0.000109436	5.69075E-05	0.000103605	8.78997E-05
969	9.80198E-05	0.000103437	3.25735E-05	0.000100371	9.50698E-05	0.000101947	0.000106561	5.51557E-05	0.000100371	8.89344E-05
970	9.64149E-05	0.00010172	3.23235E-05	9.72513E-05	9.57734E-05	9.96021E-05	0.000104168	5.32902E-05	9.72513E-05	8.96375E-05
971	9.6019E-05	0.000101286	3.23925E-05	9.58149E-05	9.62262E-05	9.87179E-05	0.000103285	5.23974E-05	9.58149E-05	9.00937E-05
972	9.29781E-05	9.80905E-05	3.12181E-05	9.24956E-05	9.00988E-05	9.54911E-05	9.99364E-05	5.04067E-05	9.24956E-05	8.48332E-05
973	9.0694E-05	9.56718E-05	3.05602E-05	9.01052E-05	8.98445E-05	9.30785E-05	9.74094E-05	4.91532E-05	9.01052E-05	8.4579E-05
974	8.87499E-05	9.3627E-05	2.98328E-05	8.91452E-05	8.84492E-05	9.15111E-05	9.57209E-05	4.88146E-05	8.91452E-05	8.31675E-05
975	8.95167E-05	9.44534E-05	2.98798E-05	8.99966E-05	9.24069E-05	9.23678E-05	9.66291E-05	4.91494E-05	8.99966E-05	8.62367E-05
976	9.47267E-05	9.9962E-05	3.14823E-05	9.50534E-05	8.93061E-05	9.76862E-05	0.000102214	5.17692E-05	9.50534E-05	8.30973E-05
977	0.000104606	0.000110421	3.43523E-05	0.000104719	8.67572E-05	0.000107829	0.000112873	5.66769E-05	0.000104719	8.05172E-05
978	0.000118885	0.000125433	3.97873E-05	0.000116715	8.52196E-05	0.000121451	0.000127201	6.31333E-05	0.000116715	7.89626E-05
979	0.000130781	0.000137781	4.62239E-05	0.000125396	7.13266E-05	0.000131953	0.000138175	6.88435E-05	0.000125396	6.67843E-05

980	0.00013226	0.000139213	4.82749E-05	0.000124993	6.01176E-05	0.000132437	0.000138664	6.92793E-05	0.000124993	5.73417E-05
981	0.00012969	0.000136526	4.7107E-05	0.000120157	5.24497E-05	0.000128858	0.000134961	6.69594E-05	0.000120157	5.05314E-05
982	0.000123522	0.00013014	4.35682E-05	0.00011335	4.71794E-05	0.000122447	0.000128295	6.3125E-05	0.00011335	4.61557E-05
983	0.000112643	0.000118764	3.86972E-05	0.000105347	4.56933E-05	0.000112665	0.000117997	5.85798E-05	0.000105347	4.46551E-05
984	0.000103187	0.000108946	3.36103E-05	9.93457E-05	4.48668E-05	0.000104699	0.000109621	5.47714E-05	9.93457E-05	4.38211E-05
985	8.84743E-05	9.35254E-05	2.74545E-05	8.81833E-05	4.50302E-05	9.126E-05	9.54596E-05	4.86661E-05	8.81833E-05	4.40004E-05
986	8.61393E-05	9.11451E-05	2.56676E-05	8.72187E-05	4.52135E-05	8.95936E-05	9.37189E-05	4.77538E-05	8.72187E-05	4.4188E-05
987	8.51737E-05	9.01513E-05	2.50425E-05	8.71216E-05	4.61122E-05	8.90172E-05	9.30914E-05	4.76964E-05	8.71216E-05	4.5103E-05
988	8.74073E-05	9.25237E-05	2.55988E-05	8.99645E-05	4.78753E-05	9.16065E-05	9.57819E-05	4.92587E-05	8.99645E-05	4.68934E-05
989	9.34735E-05	9.8908E-05	2.78218E-05	9.65511E-05	5.15115E-05	9.8046E-05	0.000102476	5.31164E-05	9.65511E-05	5.05786E-05
990	0.000101169	0.00010701	3.06037E-05	0.00010345	5.27056E-05	0.000105595	0.000110403	5.68335E-05	0.00010345	5.17641E-05
991	0.00010452	0.000110421	3.32336E-05	0.000107523	9.43609E-05	0.000109137	0.000114059	5.92202E-05	0.000107523	8.82741E-05
992	0.00010024	0.00010581	3.29549E-05	0.000103605	9.40281E-05	0.000104721	0.000109436	5.69075E-05	0.000103605	8.78997E-05
993	9.80198E-05	0.000103437	3.25735E-05	0.000100371	9.50698E-05	0.000101947	0.000106561	5.51557E-05	0.000100371	8.89344E-05
994	9.64149E-05	0.00010172	3.23235E-05	9.72513E-05	9.57734E-05	9.96021E-05	0.000104168	5.32902E-05	9.72513E-05	8.96375E-05
995	9.6019E-05	0.000101286	3.23925E-05	9.58149E-05	9.62262E-05	9.87179E-05	0.000103285	5.23974E-05	9.58149E-05	9.00937E-05
996	9.29781E-05	9.80905E-05	3.12181E-05	9.24956E-05	9.00988E-05	9.54911E-05	9.99364E-05	5.04067E-05	9.24956E-05	8.48332E-05
997	9.0694E-05	9.56718E-05	3.05602E-05	9.01052E-05	8.98445E-05	9.30785E-05	9.74094E-05	4.91532E-05	9.01052E-05	8.4579E-05
998	8.87499E-05	9.3627E-05	2.98328E-05	8.91452E-05	8.84492E-05	9.15111E-05	9.57209E-05	4.88146E-05	8.91452E-05	8.31675E-05
999	8.95167E-05	9.44534E-05	2.98798E-05	8.99966E-05	9.24069E-05	9.23678E-05	9.66291E-05	4.91494E-05	8.99966E-05	8.62367E-05
1000	9.47267E-05	9.9962E-05	3.14823E-05	9.50534E-05	8.93061E-05	9.76862E-05	0.000102214	5.17692E-05	9.50534E-05	8.30973E-05
1001	0.000104606	0.000110421	3.43523E-05	0.000104719	8.67572E-05	0.000107829	0.000112873	5.66769E-05	0.000104719	8.05172E-05
1002	0.000118885	0.000125433	3.97873E-05	0.000116715	8.52196E-05	0.000121451	0.000127201	6.31333E-05	0.000116715	7.89626E-05
1003	0.000130781	0.000137781	4.62239E-05	0.000125396	7.13266E-05	0.000131953	0.000138175	6.88435E-05	0.000125396	6.67843E-05
1004	0.00013226	0.000139213	4.82749E-05	0.000124993	6.01176E-05	0.000132437	0.000138664	6.92793E-05	0.000124993	5.73417E-05
1005	0.00012969	0.000136526	4.7107E-05	0.000120157	5.24497E-05	0.000128858	0.000134961	6.69594E-05	0.000120157	5.05314E-05
1006	0.000123522	0.00013014	4.35682E-05	0.00011335	4.71794E-05	0.000122447	0.000128295	6.3125E-05	0.00011335	4.61557E-05
1007	0.000112643	0.000118764	3.86972E-05	0.000105347	4.56933E-05	0.000112665	0.000117997	5.85798E-05	0.000105347	4.46551E-05
1008	0.000103187	0.000108946	3.36103E-05	9.93457E-05	4.48668E-05	0.000104699	0.000109621	5.47714E-05	9.93457E-05	4.38211E-05
1009	8.84743E-05	9.35254E-05	2.74545E-05	8.81833E-05	4.50302E-05	9.126E-05	9.54596E-05	4.86661E-05	8.81833E-05	4.40004E-05
1010	8.61393E-05	9.11451E-05	2.56676E-05	8.72187E-05	4.52135E-05	8.95936E-05	9.37189E-05	4.77538E-05	8.72187E-05	4.4188E-05
1011	8.51737E-05	9.01513E-05	2.50425E-05	8.71216E-05	4.61122E-05	8.90172E-05	9.30914E-05	4.76964E-05	8.71216E-05	4.5103E-05
1012	8.74073E-05	9.25237E-05	2.55988E-05	8.99645E-05	4.78753E-05	9.16065E-05	9.57819E-05	4.92587E-05	8.99645E-05	4.68934E-05
1013	9.34735E-05	9.8908E-05	2.78218E-05	9.65511E-05	5.15115E-05	9.8046E-05	0.000102476	5.31164E-05	9.65511E-05	5.05786E-05
1014	0.000101169	0.00010701	3.06037E-05	0.00010345	5.27056E-05	0.000105595	0.000110403	5.68335E-05	0.00010345	5.17641E-05
1015	0.00010452	0.000110421	3.32336E-05	0.000107523	9.43609E-05	0.000109137	0.000114059	5.92202E-05	0.000107523	8.82741E-05
1016	0.00010024	0.00010581	3.29549E-05	0.000103605	9.40281E-05	0.000104721	0.000109436	5.69075E-05	0.000103605	8.78997E-05
1017	9.80198E-05	0.000103437	3.25735E-05	0.000100371	9.50698E-05	0.000101947	0.000106561	5.51557E-05	0.000100371	8.89344E-05
1018	9.64149E-05	0.00010172	3.23235E-05	9.72513E-05	9.57734E-05	9.96021E-05	0.000104168	5.32902E-05	9.72513E-05	8.96375E-05
1019	9.6019E-05	0.000101286	3.23925E-05	9.58149E-05	9.62262E-05	9.87179E-05	0.000103285	5.23974E-05	9.58149E-05	9.00937E-05
1020	9.29781E-05	9.80905E-05	3.12181E-05	9.24956E-05	9.00988E-05	9.54911E-05	9.99364E-05	5.04067E-05	9.24956E-05	8.48332E-05
1021	9.0694E-05	9.56718E-05	3.05602E-05	9.01052E-05	8.98445E-05	9.30785E-05	9.74094E-05	4.91532E-05	9.01052E-05	8.4579E-05
1022	8.87499E-05	9.3627E-05	2.98328E-05	8.91452E-05	8.84492E-05	9.15111E-05	9.57209E-05	4.88146E-05	8.91452E-05	8.31675E-05
1023	8.95167E-05	9.44534E-05	2.98798E-05	8.99966E-05	9.24069E-05	9.23678E-05	9.66291E-05	4.91494E-05	8.99966E-05	8.62367E-05
1024	9.47267E-05	9.9962E-05	3.14823E-05	9.50534E-05	8.93061E-05	9.76862E-05	0.000102214	5.17692E-05	9.50534E-05	8.30973E-05
1025	0.000104606	0.000110421	3.43523E-05	0.000104719	8.67572E-05	0.000107829	0.000112873	5.66769E-05	0.000104719	8.05172E-05
1026	0.000118885	0.000125433	3.97873E-05	0.000116715	8.52196E-05	0.000121451	0.000127201	6.31333E-05	0.000116715	7.89626E-05
1027	0.000130781	0.000137781	4.62239E-05	0.000125396	7.13266E-05	0.000131953	0.000138175	6.88435E-05	0.000125396	6.67843E-05
1028	0.00013226	0.000139213	4.82749E-05	0.000124993	6.01176E-05	0.000132437	0.000138664	6.92793E-05	0.000124993	5.73417E-05
1029	0.00012969	0.000136526	4.7107E-05	0.000120157	5.24497E-05	0.000128858	0.000134961	6.69594E-05	0.000120157	5.05314E-05
1030	0.000123522	0.00013014	4.35682E-05	0.00011335	4.71794E-05	0.000122447	0.000128295	6.3125E-05	0.00011335	4.61557E-05
1031	0.000112643	0.000118764	3.86972E-05	0.000105347	4.56933E-05	0.000112665	0.000117997	5.85798E-05	0.000105347	4.46551E-05
1032	0.000103187	0.000108946	3.36103E-05	9.93457E-05	4.48668E-05	0.000104699	0.000109621	5.47714E-05	9.93457E-05	4.38211E-05
1033	8.93408E-05	9.44428E-05	2.77063E-05	8.91778E-05	4.4745E-05	9.22126E-05	9.64523E-05	4.92124E-05	8.91778E-05	4.37106E-05
1034	8.66884E-05	9.17242E-05	2.58542E-05	8.7949E-05	4.52787E-05	9.02362E-05	9.4381E-05	4.81984E-05	8.7949E-05	4.42539E-05
1035	8.57187E-05	9.07265E-05	2.52233E-05	8.78301E-05	4.62535E-05	8.96487E-05	9.37432E-05	4.81215E-05	8.78301E-05	4.52457E-05
1036	8.79671E-05	9.31161E-05	2.57652E-05	9.06203E-05	4.80469E-05	9.22271E-05	9.64276E-05	4.96248E-05	9.06203E-05	4.7067E-05
1037	9.42446E-05	9.97232E-05	2.80606E-05	9.74904E-05	5.18109E-05	9.89149E-05	0.000103377	5.36559E-05	9.74904E-05	5.08819E-05
1038	0.0001021	0.000107995	3.08827E-05	0.00010455	5.31174E-05	0.000106631	0.00011148	5.74511E-05	0.00010455	5.21813E-05
1039	0.000106944	0.000113015	3.3601E-05	0.000108871	9.48201E-05	0.000111233	0.000116285	5.99862E-05	0.000108871	8.87391E-05
1040	0.000100726	0.000106321	3.31347E-05	0.000104306	9.46769E-05	0.000105312	0.00011004	5.73544E-05	0.000104306	8.85557E-05
1041	9.84593E-05	0.000103899	3.27413E-05	0.000101024	9.58543E-05	0.000102488	0.000107113	5.55789E-05	0.000101024	8.97269E-05
1042	9.6752E-05	0.000102077	3.24254E-05	9.76527E-05	9.66346E-05	9.99783E-05	0.000104559	5.3517E-05	9.76527E-05	9.05074E-05
1043	9.64057E-05	0.000101695	3.25096E-05	9.6276E-05	9.70469E-05	9.91497E-05	0.000103734	5.26582E-05	9.6276E-05	9.09225E-05
1044	9.33244E-05	9.84566E-05	3.13258E-05	9.29193E-05	9.09408E-05	9.58821E-05	0.000100342	5.06508E-05	9.29193E-05	8.56833E-05
1045	9.10583E-05	9.60562E-05	3.06809E-05	9.0578E-05	9.06627E-05	9.35002E-05	9.78448E-05	4.94367E-05	9.0578E-05	8.54047E-05
1046	8.89924E-05	9.38792E-05	2.99587E-05	8.96289E-05	8.91764E-05	9.18577E-05	9.60667E-05	4.91692E-05	8.96289E-05	8.39017E-05
1047	8.98413E-05	9.47934E-05	3.00171E-05	9.05286E-05	9.29787E-05	9.27868E-05	9.70537E-05	4.95108E-05	9.05286E-05	8.68136E-05
1048	9.51895E-05	0.000100449	3.16523E-05	9.57163E-05	8.97116E-05	9.82463E-05	0.000102787	5.21904E-05	9.57163E-05	8.35064E-05
1049	0.000105124	0.000110969	3.45222E-05	0.000105386	8.70986E-05	0.000108427	0.00011349	5.70738E-05	0.000105386	8.08618E-05
1050	0.000119671	0.000126263	4.00346E-05	0.000117687	8.55182E-05	0.000122342	0.000128124	6.36977E-05	0.000117687	7.92642E-05
1051	0.000131613	0.000138659	4.64943E-05	0.000126457	7.15305E-05	0.000132909	0.000139163	6.94719E-05	0.000126457	6.69901E-05
1052	0.000133059	0.000140057	4.85242E-05	0.000125973	6.02391E-05	0.00013334	0.0001396	6.98452E-05	0.000125973	5.74638E-05
1053	0.000129019	0.000135786	4.72737E-05	0.000120912	5.25705E-05	0.000128724	0.000134772	6.73882E-05	0.000120912	5.06528E-05
1054	0.00012425	0.00013091	4.37874E-05	0.000114214	4.73312E-05	0.000123258	0.000129139	6.36119E-05	0.000114214	4.63085E-05
1055	0.000113361	0.000119523	3.89129E-05	0.000106197	4.57261E-05	0.000113464	0.000118828	5.9058E-05	0.000106197	4.46866E-05

1056	0.0001038	0.000109594	3.38067E-05	0.000100117	4.47209E-05	0.000105399	0.000110346	5.52243E-05	0.000100117	4.36711E-05
1057	8.93408E-05	9.44428E-05	2.77063E-05	8.91778E-05	4.4745E-05	9.22126E-05	9.64523E-05	4.92124E-05	8.91778E-05	4.37106E-05
1058	8.66884E-05	9.17242E-05	2.58542E-05	8.7949E-05	4.52787E-05	9.02362E-05	9.4381E-05	4.81984E-05	8.7949E-05	4.42539E-05
1059	8.57187E-05	9.07265E-05	2.52233E-05	8.78301E-05	4.62535E-05	8.96487E-05	9.37432E-05	4.81215E-05	8.78301E-05	4.52457E-05
1060	8.79671E-05	9.31161E-05	2.57652E-05	9.06203E-05	4.80469E-05	9.22271E-05	9.64276E-05	4.96248E-05	9.06203E-05	4.7067E-05
1061	9.42446E-05	9.97232E-05	2.80606E-05	9.74904E-05	5.18109E-05	9.89149E-05	0.000103377	5.36559E-05	9.74904E-05	5.08819E-05
1062	0.0001021	0.000107995	3.08827E-05	0.00010455	5.31174E-05	0.000106631	0.00011148	5.74511E-05	0.00010455	5.21813E-05
1063	0.000106944	0.000113015	3.3601E-05	0.000108871	9.48201E-05	0.000111233	0.000116285	5.99862E-05	0.000108871	8.87391E-05
1064	0.000100726	0.000106321	3.31347E-05	0.000104306	9.46769E-05	0.000105312	0.00011004	5.73544E-05	0.000104306	8.85557E-05
1065	9.84593E-05	0.000103899	3.27413E-05	0.000101024	9.58543E-05	0.000102488	0.000107113	5.55789E-05	0.000101024	8.97269E-05
1066	9.6752E-05	0.000102077	3.24254E-05	9.76527E-05	9.66346E-05	9.99783E-05	0.000104559	5.3517E-05	9.76527E-05	9.05074E-05
1067	9.64057E-05	0.000101695	3.25096E-05	9.6276E-05	9.70469E-05	9.91497E-05	0.000103734	5.26582E-05	9.6276E-05	9.09225E-05
1068	9.33244E-05	9.84566E-05	3.13258E-05	9.29193E-05	9.09408E-05	9.58821E-05	0.000100342	5.06508E-05	9.29193E-05	8.56833E-05
1069	9.10583E-05	9.60562E-05	3.06809E-05	9.0578E-05	9.06627E-05	9.35002E-05	9.78448E-05	4.94367E-05	9.0578E-05	8.54047E-05
1070	8.89924E-05	9.38792E-05	2.99587E-05	8.96289E-05	8.91764E-05	9.18577E-05	9.60667E-05	4.91692E-05	8.96289E-05	8.39017E-05
1071	8.98413E-05	9.47934E-05	3.00171E-05	9.05286E-05	9.29787E-05	9.27868E-05	9.70537E-05	4.95108E-05	9.05286E-05	8.68136E-05
1072	9.51895E-05	0.000100449	3.16523E-05	9.57163E-05	8.97116E-05	9.82463E-05	0.000102787	5.21904E-05	9.57163E-05	8.35064E-05
1073	0.000105124	0.000110969	3.45222E-05	0.000105386	8.70986E-05	0.000108427	0.00011349	5.70738E-05	0.000105386	8.08618E-05
1074	0.000119671	0.000126263	4.00346E-05	0.000117687	8.55182E-05	0.000122342	0.000128124	6.36977E-05	0.000117687	7.92642E-05
1075	0.000131613	0.000138659	4.64943E-05	0.000126457	7.15305E-05	0.000132909	0.000139163	6.94719E-05	0.000126457	6.69901E-05
1076	0.000133059	0.000140057	4.85242E-05	0.000125973	6.02391E-05	0.00013334	0.0001396	6.98452E-05	0.000125973	5.74638E-05
1077	0.000129019	0.000135786	4.72737E-05	0.000120912	5.25705E-05	0.000128724	0.000134772	6.73882E-05	0.000120912	5.06528E-05
1078	0.00012425	0.00013091	4.37874E-05	0.000114214	4.73312E-05	0.000123258	0.000129139	6.36119E-05	0.000114214	4.63085E-05
1079	0.000113361	0.000119523	3.89129E-05	0.000106197	4.57261E-05	0.000113464	0.000118828	5.9058E-05	0.000106197	4.46866E-05
1080	0.0001038	0.000109594	3.38067E-05	0.000100117	4.47209E-05	0.000105399	0.000110346	5.52243E-05	0.000100117	4.36711E-05
1081	8.93408E-05	9.44428E-05	2.77063E-05	8.91778E-05	4.4745E-05	9.22126E-05	9.64523E-05	4.92124E-05	8.91778E-05	4.37106E-05
1082	8.66884E-05	9.17242E-05	2.58542E-05	8.7949E-05	4.52787E-05	9.02362E-05	9.4381E-05	4.81984E-05	8.7949E-05	4.42539E-05
1083	8.57187E-05	9.07265E-05	2.52233E-05	8.78301E-05	4.62535E-05	8.96487E-05	9.37432E-05	4.81215E-05	8.78301E-05	4.52457E-05
1084	8.79671E-05	9.31161E-05	2.57652E-05	9.06203E-05	4.80469E-05	9.22271E-05	9.64276E-05	4.96248E-05	9.06203E-05	4.7067E-05
1085	9.42446E-05	9.97232E-05	2.80606E-05	9.74904E-05	5.18109E-05	9.89149E-05	0.000103377	5.36559E-05	9.74904E-05	5.08819E-05
1086	0.0001021	0.000107995	3.08827E-05	0.00010455	5.31174E-05	0.000106631	0.00011148	5.74511E-05	0.00010455	5.21813E-05
1087	0.000106944	0.000113015	3.3601E-05	0.000108871	9.48201E-05	0.000111233	0.000116285	5.99862E-05	0.000108871	8.87391E-05
1088	0.000100726	0.000106321	3.31347E-05	0.000104306	9.46769E-05	0.000105312	0.00011004	5.73544E-05	0.000104306	8.85557E-05
1089	9.84593E-05	0.000103899	3.27413E-05	0.000101024	9.58543E-05	0.000102488	0.000107113	5.55789E-05	0.000101024	8.97269E-05
1090	9.6752E-05	0.000102077	3.24254E-05	9.76527E-05	9.66346E-05	9.99783E-05	0.000104559	5.3517E-05	9.76527E-05	9.05074E-05
1091	9.64057E-05	0.000101695	3.25096E-05	9.6276E-05	9.70469E-05	9.91497E-05	0.000103734	5.26582E-05	9.6276E-05	9.09225E-05
1092	9.33244E-05	9.84566E-05	3.13258E-05	9.29193E-05	9.09408E-05	9.58821E-05	0.000100342	5.06508E-05	9.29193E-05	8.56833E-05
1093	9.10583E-05	9.60562E-05	3.06809E-05	9.0578E-05	9.06627E-05	9.35002E-05	9.78448E-05	4.94367E-05	9.0578E-05	8.54047E-05
1094	8.89924E-05	9.38792E-05	2.99587E-05	8.96289E-05	8.91764E-05	9.18577E-05	9.60667E-05	4.91692E-05	8.96289E-05	8.39017E-05
1095	8.98413E-05	9.47934E-05	3.00171E-05	9.05286E-05	9.29787E-05	9.27868E-05	9.70537E-05	4.95108E-05	9.05286E-05	8.68136E-05
1096	9.51895E-05	0.000100449	3.16523E-05	9.57163E-05	8.97116E-05	9.82463E-05	0.000102787	5.21904E-05	9.57163E-05	8.35064E-05
1097	0.000105124	0.000110969	3.45222E-05	0.000105386	8.70986E-05	0.000108427	0.00011349	5.70738E-05	0.000105386	8.08618E-05
1098	0.000119671	0.000126263	4.00346E-05	0.000117687	8.55182E-05	0.000122342	0.000128124	6.36977E-05	0.000117687	7.92642E-05
1099	0.000131613	0.000138659	4.64943E-05	0.000126457	7.15305E-05	0.000132909	0.000139163	6.94719E-05	0.000126457	6.69901E-05
1100	0.000133059	0.000140057	4.85242E-05	0.000125973	6.02391E-05	0.00013334	0.0001396	6.98452E-05	0.000125973	5.74638E-05
1101	0.000129019	0.000135786	4.72737E-05	0.000120912	5.25705E-05	0.000128724	0.000134772	6.73882E-05	0.000120912	5.06528E-05
1102	0.00012425	0.00013091	4.37874E-05	0.000114214	4.73312E-05	0.000123258	0.000129139	6.36119E-05	0.000114214	4.63085E-05
1103	0.000113361	0.000119523	3.89129E-05	0.000106197	4.57261E-05	0.000113464	0.000118828	5.9058E-05	0.000106197	4.46866E-05
1104	0.0001038	0.000109594	3.38067E-05	0.000100117	4.47209E-05	0.000105399	0.000110346	5.52243E-05	0.000100117	4.36711E-05
1105	8.84743E-05	9.35254E-05	2.74545E-05	8.81833E-05	4.50302E-05	9.126E-05	9.54596E-05	4.86661E-05	8.81833E-05	4.40004E-05
1106	8.61393E-05	9.11451E-05	2.56676E-05	8.72187E-05	4.52135E-05	8.95936E-05	9.37189E-05	4.77538E-05	8.72187E-05	4.4188E-05
1107	8.51737E-05	9.01513E-05	2.50425E-05	8.71216E-05	4.61122E-05	8.90172E-05	9.30914E-05	4.76964E-05	8.71216E-05	4.5103E-05
1108	8.74073E-05	9.25237E-05	2.55988E-05	8.99645E-05	4.78753E-05	9.16065E-05	9.57819E-05	4.92587E-05	8.99645E-05	4.68934E-05
1109	9.34735E-05	9.8908E-05	2.78218E-05	9.65511E-05	5.15115E-05	9.8046E-05	0.000102476	5.31164E-05	9.65511E-05	5.05786E-05
1110	0.000101169	0.00010701	3.06037E-05	0.00010345	5.27056E-05	0.000105595	0.000110403	5.68335E-05	0.00010345	5.17641E-05
1111	0.00010452	0.000110421	3.32336E-05	0.000107523	9.43609E-05	0.000109137	0.000114059	5.92202E-05	0.000107523	8.82741E-05
1112	0.00010024	0.00010581	3.29549E-05	0.000103605	9.40281E-05	0.000104721	0.000109436	5.69075E-05	0.000103605	8.78997E-05
1113	9.80198E-05	0.000103437	3.25735E-05	0.000100371	9.50698E-05	0.000101947	0.000106561	5.51557E-05	0.000100371	8.89344E-05
1114	9.64149E-05	0.00010172	3.23235E-05	9.72513E-05	9.57734E-05	9.96021E-05	0.000104168	5.32902E-05	9.72513E-05	8.96375E-05
1115	9.6019E-05	0.000101286	3.23925E-05	9.58149E-05	9.62262E-05	9.87179E-05	0.000103285	5.23974E-05	9.58149E-05	9.00937E-05
1116	9.29781E-05	9.80905E-05	3.12181E-05	9.24956E-05	9.00988E-05	9.54911E-05	9.99364E-05	5.04067E-05	9.24956E-05	8.48332E-05
1117	9.0694E-05	9.56718E-05	3.05602E-05	9.01052E-05	8.98445E-05	9.30785E-05	9.74094E-05	4.91532E-05	9.01052E-05	8.4579E-05
1118	8.87499E-05	9.3627E-05	2.98328E-05	8.91452E-05	8.84492E-05	9.15111E-05	9.57209E-05	4.88146E-05	8.91452E-05	8.31675E-05
1119	8.95167E-05	9.44534E-05	2.98798E-05	8.99966E-05	9.24069E-05	9.23678E-05	9.66291E-05	4.91494E-05	8.99966E-05	8.62367E-05
1120	9.47267E-05	9.9962E-05	3.14823E-05	9.50534E-05	8.93061E-05	9.76862E-05	0.000102214	5.17692E-05	9.50534E-05	8.30973E-05
1121	0.000104606	0.000110421	3.43523E-05	0.000104719	8.67572E-05	0.000107829	0.000112873	5.66769E-05	0.000104719	8.05172E-05
1122	0.000118885	0.000125433	3.97873E-05	0.000116715	8.52196E-05	0.000121451	0.000127201	6.31333E-05	0.000116715	7.89626E-05
1123	0.000130781	0.000137781	4.62239E-05	0.000125396	7.13266E-05	0.000131953	0.000138175	6.88435E-05	0.000125396	6.67843E-05
1124	0.00013226	0.000139213	4.82749E-05	0.000124993	6.01176E-05	0.000132437	0.000138664	6.92793E-05	0.000124993	5.73417E-05
1125	0.00012969	0.000136526	4.7107E-05	0.000120157	5.24497E-05	0.000128858	0.000134961	6.69594E-05	0.000120157	5.05314E-05
1126	0.000123522	0.00013014	4.35682E-05	0.00011335	4.71794E-05	0.000122447	0.000128295	6.3125E-05	0.00011335	4.61557E-05
1127	0.000112643	0.000118764	3.86972E-05	0.000105347	4.56933E-05	0.000112665	0.000117997	5.85798E-05	0.000105347	4.46551E-05
1128	0.000103187	0.000108946	3.36103E-05	9.93457E-05	4.48668E-05	0.000104699	0.000109621	5.47714E-05	9.93457E-05	4.38211E-05
1129	8.84743E-05	9.35254E-05	2.74545E-05	8.81833E-05	4.50302E-05	9.126E-05	9.54596E-05	4.86661E-05	8.81833E-05	4.40004E-05
1130	8.61393E-05	9.11451E-05	2.56676E-05	8.72187E-05	4.52135E-05	8.95936E-05	9.37189E-05	4.77538E-05	8.72187E-05	4.4188E-05
1131	8.51737E-05	9.01513E-05	2.50425E-05	8.71216E-05	4.61122E-05	8.90172E-05	9.30914E-05	4.76964E-05	8.71216E-05	4.5103E-05

1132	8.74073E-05	9.25237E-05	2.55988E-05	8.99645E-05	4.78753E-05	9.16065E-05	9.57819E-05	4.92587E-05	8.99645E-05	4.68934E-05
1133	9.34735E-05	9.8908E-05	2.78218E-05	9.65511E-05	5.15115E-05	9.8046E-05	0.000102476	5.31164E-05	9.65511E-05	5.05786E-05
1134	0.000101169	0.00010701	3.06037E-05	0.00010345	5.27056E-05	0.000105595	0.000110403	5.68335E-05	0.00010345	5.17641E-05
1135	0.00010452	0.000110421	3.32336E-05	0.000107523	9.43609E-05	0.000109137	0.000114059	5.92202E-05	0.000107523	8.82741E-05
1136	0.00010024	0.00010581	3.29549E-05	0.000103605	9.40281E-05	0.000104721	0.000109436	5.69075E-05	0.000103605	8.78997E-05
1137	9.80198E-05	0.000103437	3.25735E-05	0.000100371	9.50698E-05	0.000101947	0.000106561	5.51557E-05	0.000100371	8.89344E-05
1138	9.64149E-05	0.00010172	3.23235E-05	9.72513E-05	9.57734E-05	9.96021E-05	0.000104168	5.32902E-05	9.72513E-05	8.96375E-05
1139	9.6019E-05	0.000101286	3.23925E-05	9.58149E-05	9.62262E-05	9.87179E-05	0.000103285	5.23974E-05	9.58149E-05	9.00937E-05
1140	9.29781E-05	9.80905E-05	3.12181E-05	9.24956E-05	9.00988E-05	9.54911E-05	9.99364E-05	5.04067E-05	9.24956E-05	8.48332E-05
1141	9.0694E-05	9.56718E-05	3.05602E-05	9.01052E-05	8.98445E-05	9.30785E-05	9.74094E-05	4.91532E-05	9.01052E-05	8.4579E-05
1142	8.87499E-05	9.3627E-05	2.98328E-05	8.91452E-05	8.84492E-05	9.15111E-05	9.57209E-05	4.88146E-05	8.91452E-05	8.31675E-05
1143	8.95167E-05	9.44534E-05	2.98798E-05	8.99966E-05	9.24069E-05	9.23678E-05	9.66291E-05	4.91494E-05	8.99966E-05	8.62367E-05
1144	9.47267E-05	9.9962E-05	3.14823E-05	9.50534E-05	8.93061E-05	9.76862E-05	0.000102214	5.17692E-05	9.50534E-05	8.30973E-05
1145	0.000104606	0.000110421	3.43523E-05	0.000104719	8.67572E-05	0.000107829	0.000112873	5.66769E-05	0.000104719	8.05172E-05
1146	0.000118885	0.000125433	3.97873E-05	0.000116715	8.52196E-05	0.000121451	0.000127201	6.31333E-05	0.000116715	7.89626E-05
1147	0.000130781	0.000137781	4.62239E-05	0.000125396	7.13266E-05	0.000131953	0.000138175	6.88435E-05	0.000125396	6.67843E-05
1148	0.00013226	0.000139213	4.82749E-05	0.000124993	6.01176E-05	0.000132437	0.000138664	6.92793E-05	0.000124993	5.73417E-05
1149	0.00012969	0.000136526	4.7107E-05	0.000120157	5.24497E-05	0.000128858	0.000134961	6.69594E-05	0.000120157	5.05314E-05
1150	0.000123522	0.00013014	4.35682E-05	0.00011335	4.71794E-05	0.000122447	0.000128295	6.3125E-05	0.00011335	4.61557E-05
1151	0.000112643	0.000118764	3.86972E-05	0.000105347	4.56933E-05	0.000112665	0.000117997	5.85798E-05	0.000105347	4.46551E-05
1152	0.000103187	0.000108946	3.36103E-05	9.93457E-05	4.48668E-05	0.000104699	0.000109621	5.47714E-05	9.93457E-05	4.38211E-05
1153	8.84743E-05	9.35254E-05	2.74545E-05	8.81833E-05	4.50302E-05	9.126E-05	9.54596E-05	4.86661E-05	8.81833E-05	4.40004E-05
1154	8.61393E-05	9.11451E-05	2.56676E-05	8.72187E-05	4.52135E-05	8.95936E-05	9.37189E-05	4.77538E-05	8.72187E-05	4.4188E-05
1155	8.51737E-05	9.01513E-05	2.50425E-05	8.71216E-05	4.61122E-05	8.90172E-05	9.30914E-05	4.76964E-05	8.71216E-05	4.5103E-05
1156	8.74073E-05	9.25237E-05	2.55988E-05	8.99645E-05	4.78753E-05	9.16065E-05	9.57819E-05	4.92587E-05	8.99645E-05	4.68934E-05
1157	9.34735E-05	9.8908E-05	2.78218E-05	9.65511E-05	5.15115E-05	9.8046E-05	0.000102476	5.31164E-05	9.65511E-05	5.05786E-05
1158	0.000101169	0.00010701	3.06037E-05	0.00010345	5.27056E-05	0.000105595	0.000110403	5.68335E-05	0.00010345	5.17641E-05
1159	0.00010452	0.000110421	3.32336E-05	0.000107523	9.43609E-05	0.000109137	0.000114059	5.92202E-05	0.000107523	8.82741E-05
1160	0.00010024	0.00010581	3.29549E-05	0.000103605	9.40281E-05	0.000104721	0.000109436	5.69075E-05	0.000103605	8.78997E-05
1161	9.80198E-05	0.000103437	3.25735E-05	0.000100371	9.50698E-05	0.000101947	0.000106561	5.51557E-05	0.000100371	8.89344E-05
1162	9.64149E-05	0.00010172	3.23235E-05	9.72513E-05	9.57734E-05	9.96021E-05	0.000104168	5.32902E-05	9.72513E-05	8.96375E-05
1163	9.6019E-05	0.000101286	3.23925E-05	9.58149E-05	9.62262E-05	9.87179E-05	0.000103285	5.23974E-05	9.58149E-05	9.00937E-05
1164	9.29781E-05	9.80905E-05	3.12181E-05	9.24956E-05	9.00988E-05	9.54911E-05	9.99364E-05	5.04067E-05	9.24956E-05	8.48332E-05
1165	9.0694E-05	9.56718E-05	3.05602E-05	9.01052E-05	8.98445E-05	9.30785E-05	9.74094E-05	4.91532E-05	9.01052E-05	8.4579E-05
1166	8.87499E-05	9.3627E-05	2.98328E-05	8.91452E-05	8.84492E-05	9.15111E-05	9.57209E-05	4.88146E-05	8.91452E-05	8.31675E-05
1167	8.95167E-05	9.44534E-05	2.98798E-05	8.99966E-05	9.24069E-05	9.23678E-05	9.66291E-05	4.91494E-05	8.99966E-05	8.62367E-05
1168	9.47267E-05	9.9962E-05	3.14823E-05	9.50534E-05	8.93061E-05	9.76862E-05	0.000102214	5.17692E-05	9.50534E-05	8.30973E-05
1169	0.000104606	0.000110421	3.43523E-05	0.000104719	8.67572E-05	0.000107829	0.000112873	5.66769E-05	0.000104719	8.05172E-05
1170	0.000118885	0.000125433	3.97873E-05	0.000116715	8.52196E-05	0.000121451	0.000127201	6.31333E-05	0.000116715	7.89626E-05
1171	0.000130781	0.000137781	4.62239E-05	0.000125396	7.13266E-05	0.000131953	0.000138175	6.88435E-05	0.000125396	6.67843E-05
1172	0.00013226	0.000139213	4.82749E-05	0.000124993	6.01176E-05	0.000132437	0.000138664	6.92793E-05	0.000124993	5.73417E-05
1173	0.00012969	0.000136526	4.7107E-05	0.000120157	5.24497E-05	0.000128858	0.000134961	6.69594E-05	0.000120157	5.05314E-05
1174	0.000123522	0.00013014	4.35682E-05	0.00011335	4.71794E-05	0.000122447	0.000128295	6.3125E-05	0.00011335	4.61557E-05
1175	0.000112643	0.000118764	3.86972E-05	0.000105347	4.56933E-05	0.000112665	0.000117997	5.85798E-05	0.000105347	4.46551E-05
1176	0.000103187	0.000108946	3.36103E-05	9.93457E-05	4.48668E-05	0.000104699	0.000109621	5.47714E-05	9.93457E-05	4.38211E-05
1177	8.84743E-05	9.35254E-05	2.74545E-05	8.81833E-05	4.50302E-05	9.126E-05	9.54596E-05	4.86661E-05	8.81833E-05	4.40004E-05
1178	8.61393E-05	9.11451E-05	2.56676E-05	8.72187E-05	4.52135E-05	8.95936E-05	9.37189E-05	4.77538E-05	8.72187E-05	4.4188E-05
1179	8.51737E-05	9.01513E-05	2.50425E-05	8.71216E-05	4.61122E-05	8.90172E-05	9.30914E-05	4.76964E-05	8.71216E-05	4.5103E-05
1180	8.74073E-05	9.25237E-05	2.55988E-05	8.99645E-05	4.78753E-05	9.16065E-05	9.57819E-05	4.92587E-05	8.99645E-05	4.68934E-05
1181	9.34735E-05	9.8908E-05	2.78218E-05	9.65511E-05	5.15115E-05	9.8046E-05	0.000102476	5.31164E-05	9.65511E-05	5.05786E-05
1182	0.000101169	0.00010701	3.06037E-05	0.00010345	5.27056E-05	0.000105595	0.000110403	5.68335E-05	0.00010345	5.17641E-05
1183	0.00010452	0.000110421	3.32336E-05	0.000107523	9.43609E-05	0.000109137	0.000114059	5.92202E-05	0.000107523	8.82741E-05
1184	0.00010024	0.00010581	3.29549E-05	0.000103605	9.40281E-05	0.000104721	0.000109436	5.69075E-05	0.000103605	8.78997E-05
1185	9.80198E-05	0.000103437	3.25735E-05	0.000100371	9.50698E-05	0.000101947	0.000106561	5.51557E-05	0.000100371	8.89344E-05
1186	9.64149E-05	0.00010172	3.23235E-05	9.72513E-05	9.57734E-05	9.96021E-05	0.000104168	5.32902E-05	9.72513E-05	8.96375E-05
1187	9.6019E-05	0.000101286	3.23925E-05	9.58149E-05	9.62262E-05	9.87179E-05	0.000103285	5.23974E-05	9.58149E-05	9.00937E-05
1188	9.29781E-05	9.80905E-05	3.12181E-05	9.24956E-05	9.00988E-05	9.54911E-05	9.99364E-05	5.04067E-05	9.24956E-05	8.48332E-05
1189	9.0694E-05	9.56718E-05	3.05602E-05	9.01052E-05	8.98445E-05	9.30785E-05	9.74094E-05	4.91532E-05	9.01052E-05	8.4579E-05
1190	8.87499E-05	9.3627E-05	2.98328E-05	8.91452E-05	8.84492E-05	9.15111E-05	9.57209E-05	4.88146E-05	8.91452E-05	8.31675E-05
1191	8.95167E-05	9.44534E-05	2.98798E-05	8.99966E-05	9.24069E-05	9.23678E-05	9.66291E-05	4.91494E-05	8.99966E-05	8.62367E-05
1192	9.47267E-05	9.9962E-05	3.14823E-05	9.50534E-05	8.93061E-05	9.76862E-05	0.000102214	5.17692E-05	9.50534E-05	8.30973E-05
1193	0.000104606	0.000110421	3.43523E-05	0.000104719	8.67572E-05	0.000107829	0.000112873	5.66769E-05	0.000104719	8.05172E-05
1194	0.000118885	0.000125433	3.97873E-05	0.000116715	8.52196E-05	0.000121451	0.000127201	6.31333E-05	0.000116715	7.89626E-05
1195	0.000130781	0.000137781	4.62239E-05	0.000125396	7.13266E-05	0.000131953	0.000138175	6.88435E-05	0.000125396	6.67843E-05
1196	0.00013226	0.000139213	4.82749E-05	0.000124993	6.01176E-05	0.000132437	0.000138664	6.92793E-05	0.000124993	5.73417E-05
1197	0.00012969	0.000136526	4.7107E-05	0.000120157	5.24497E-05	0.000128858	0.000134961	6.69594E-05	0.000120157	5.05314E-05
1198	0.000123522	0.00013014	4.35682E-05	0.00011335	4.71794E-05	0.000122447	0.000128295	6.3125E-05	0.00011335	4.61557E-05
1199	0.000112643	0.000118764	3.86972E-05	0.000105347	4.56933E-05	0.000112665	0.000117997	5.85798E-05	0.000105347	4.46551E-05
1200	0.000103187	0.000108946	3.36103E-05	9.93457E-05	4.48668E-05	0.000104699	0.000109621	5.47714E-05	9.93457E-05	4.38211E-05
1201	8.93408E-05	9.44428E-05	2.77063E-05	8.91778E-05	4.4745E-05	9.22126E-05	9.64523E-05	4.92124E-05	8.91778E-05	4.37106E-05
1202	8.66884E-05	9.17242E-05	2.58542E-05	8.7949E-05	4.52787E-05	9.02362E-05	9.4381E-05	4.81984E-05	8.7949E-05	4.42539E-05
1203	8.57187E-05	9.07265E-05	2.52233E-05	8.78301E-05	4.62535E-05	8.96487E-05	9.37432E-05	4.81215E-05	8.78301E-05	4.52457E-05
1204	8.79671E-05	9.31161E-05	2.57652E-05	9.06203E-05	4.80469E-05	9.22271E-05	9.64276E-05	4.96248E-05	9.06203E-05	4.7067E-05
1205	9.42446E-05	9.97232E-05	2.80606E-05	9.74904E-05	5.18109E-05	9.89149E-05	0.000103377	5.36559E-05	9.74904E-05	5.08819E-05
1206	0.0001021	0.000107995	3.08827E-05	0.00010455	5.31174E-05	0.000106631	0.00011148	5.74511E-05	0.00010455	5.21813E-05
1207	0.000106944	0.000113015	3.3601E-05	0.000108871	9.48201E-05	0.000111233	0.000116285	5.99862E-05	0.000108871	8.87391E-05

1208	0.000100726	0.000106321	3.31347E-05	0.000104306	9.46769E-05	0.000105312	0.00011004	5.73544E-05	0.000104306	8.85557E-05
1209	9.84593E-05	0.000103899	3.27413E-05	0.000101024	9.58543E-05	0.000102488	0.000107113	5.55789E-05	0.000101024	8.97269E-05
1210	9.6752E-05	0.000102077	3.24254E-05	9.76527E-05	9.66346E-05	9.99783E-05	0.000104559	5.3517E-05	9.76527E-05	9.05074E-05
1211	9.64057E-05	0.000101695	3.25096E-05	9.6276E-05	9.70469E-05	9.91497E-05	0.000103734	5.26582E-05	9.6276E-05	9.09225E-05
1212	9.33244E-05	9.84566E-05	3.13258E-05	9.29193E-05	9.09408E-05	9.58821E-05	0.000100342	5.06508E-05	9.29193E-05	8.56833E-05
1213	9.10583E-05	9.60562E-05	3.06809E-05	9.0578E-05	9.06627E-05	9.35002E-05	9.78448E-05	4.94367E-05	9.0578E-05	8.54047E-05
1214	8.89924E-05	9.38792E-05	2.99587E-05	8.96289E-05	8.91764E-05	9.18577E-05	9.60667E-05	4.91692E-05	8.96289E-05	8.39017E-05
1215	8.98413E-05	9.47934E-05	3.00171E-05	9.05286E-05	9.29787E-05	9.27868E-05	9.70537E-05	4.95108E-05	9.05286E-05	8.68136E-05
1216	9.51895E-05	0.000100449	3.16523E-05	9.57163E-05	8.97116E-05	9.82463E-05	0.000102787	5.21904E-05	9.57163E-05	8.35064E-05
1217	0.000105124	0.000110969	3.45222E-05	0.000105386	8.70986E-05	0.000108427	0.00011349	5.70738E-05	0.000105386	8.08618E-05
1218	0.000119671	0.000126263	4.00346E-05	0.000117687	8.55182E-05	0.000122342	0.000128124	6.36977E-05	0.000117687	7.92642E-05
1219	0.000131613	0.000138659	4.64943E-05	0.000126457	7.15305E-05	0.000132909	0.000139163	6.94719E-05	0.000126457	6.69901E-05
1220	0.000133059	0.000140057	4.85242E-05	0.000125973	6.02391E-05	0.00013334	0.0001396	6.98452E-05	0.000125973	5.74638E-05
1221	0.000129019	0.000135786	4.72737E-05	0.000120912	5.25705E-05	0.000128724	0.000134772	6.73882E-05	0.000120912	5.06528E-05
1222	0.00012425	0.00013091	4.37874E-05	0.000114214	4.73312E-05	0.000123258	0.000129139	6.36119E-05	0.000114214	4.63085E-05
1223	0.000113361	0.000119523	3.89129E-05	0.000106197	4.57261E-05	0.000113464	0.000118828	5.9058E-05	0.000106197	4.46866E-05
1224	0.0001038	0.000109594	3.38067E-05	0.000100117	4.47209E-05	0.000105399	0.000110346	5.52243E-05	0.000100117	4.36711E-05
1225	8.93408E-05	9.44428E-05	2.77063E-05	8.91778E-05	4.4745E-05	9.22126E-05	9.64523E-05	4.92124E-05	8.91778E-05	4.37106E-05
1226	8.66884E-05	9.17242E-05	2.58542E-05	8.7949E-05	4.52787E-05	9.02362E-05	9.4381E-05	4.81984E-05	8.7949E-05	4.42539E-05
1227	8.57187E-05	9.07265E-05	2.52233E-05	8.78301E-05	4.62535E-05	8.96487E-05	9.37432E-05	4.81215E-05	8.78301E-05	4.52457E-05
1228	8.79671E-05	9.31161E-05	2.57652E-05	9.06203E-05	4.80469E-05	9.22271E-05	9.64276E-05	4.96248E-05	9.06203E-05	4.7067E-05
1229	9.42446E-05	9.97232E-05	2.80606E-05	9.74904E-05	5.18109E-05	9.89149E-05	0.000103377	5.36559E-05	9.74904E-05	5.08819E-05
1230	0.0001021	0.000107995	3.08827E-05	0.00010455	5.31174E-05	0.000106631	0.00011148	5.74511E-05	0.00010455	5.21813E-05
1231	0.000106944	0.000113015	3.3601E-05	0.000108871	9.48201E-05	0.000111233	0.000116285	5.99862E-05	0.000108871	8.87391E-05
1232	0.000100726	0.000106321	3.31347E-05	0.000104306	9.46769E-05	0.000105312	0.00011004	5.73544E-05	0.000104306	8.85557E-05
1233	9.84593E-05	0.000103899	3.27413E-05	0.000101024	9.58543E-05	0.000102488	0.000107113	5.55789E-05	0.000101024	8.97269E-05
1234	9.6752E-05	0.000102077	3.24254E-05	9.76527E-05	9.66346E-05	9.99783E-05	0.000104559	5.3517E-05	9.76527E-05	9.05074E-05
1235	9.64057E-05	0.000101695	3.25096E-05	9.6276E-05	9.70469E-05	9.91497E-05	0.000103734	5.26582E-05	9.6276E-05	9.09225E-05
1236	9.33244E-05	9.84566E-05	3.13258E-05	9.29193E-05	9.09408E-05	9.58821E-05	0.000100342	5.06508E-05	9.29193E-05	8.56833E-05
1237	9.10583E-05	9.60562E-05	3.06809E-05	9.0578E-05	9.06627E-05	9.35002E-05	9.78448E-05	4.94367E-05	9.0578E-05	8.54047E-05
1238	8.89924E-05	9.38792E-05	2.99587E-05	8.96289E-05	8.91764E-05	9.18577E-05	9.60667E-05	4.91692E-05	8.96289E-05	8.39017E-05
1239	8.98413E-05	9.47934E-05	3.00171E-05	9.05286E-05	9.29787E-05	9.27868E-05	9.70537E-05	4.95108E-05	9.05286E-05	8.68136E-05
1240	9.51895E-05	0.000100449	3.16523E-05	9.57163E-05	8.97116E-05	9.82463E-05	0.000102787	5.21904E-05	9.57163E-05	8.35064E-05
1241	0.000105124	0.000110969	3.45222E-05	0.000105386	8.70986E-05	0.000108427	0.00011349	5.70738E-05	0.000105386	8.08618E-05
1242	0.000119671	0.000126263	4.00346E-05	0.000117687	8.55182E-05	0.000122342	0.000128124	6.36977E-05	0.000117687	7.92642E-05
1243	0.000131613	0.000138659	4.64943E-05	0.000126457	7.15305E-05	0.000132909	0.000139163	6.94719E-05	0.000126457	6.69901E-05
1244	0.000133059	0.000140057	4.85242E-05	0.000125973	6.02391E-05	0.00013334	0.0001396	6.98452E-05	0.000125973	5.74638E-05
1245	0.000129019	0.000135786	4.72737E-05	0.000120912	5.25705E-05	0.000128724	0.000134772	6.73882E-05	0.000120912	5.06528E-05
1246	0.00012425	0.00013091	4.37874E-05	0.000114214	4.73312E-05	0.000123258	0.000129139	6.36119E-05	0.000114214	4.63085E-05
1247	0.000113361	0.000119523	3.89129E-05	0.000106197	4.57261E-05	0.000113464	0.000118828	5.9058E-05	0.000106197	4.46866E-05
1248	0.0001038	0.000109594	3.38067E-05	0.000100117	4.47209E-05	0.000105399	0.000110346	5.52243E-05	0.000100117	4.36711E-05
1249	8.84743E-05	9.35254E-05	2.74545E-05	8.81833E-05	4.50302E-05	9.126E-05	9.54596E-05	4.86661E-05	8.81833E-05	4.40004E-05
1250	8.61393E-05	9.11451E-05	2.56676E-05	8.72187E-05	4.52135E-05	8.95936E-05	9.37189E-05	4.77538E-05	8.72187E-05	4.4188E-05
1251	8.51737E-05	9.01513E-05	2.50425E-05	8.71216E-05	4.61122E-05	8.90172E-05	9.30914E-05	4.76964E-05	8.71216E-05	4.5103E-05
1252	8.74073E-05	9.25237E-05	2.55988E-05	8.99645E-05	4.78753E-05	9.16065E-05	9.57819E-05	4.92587E-05	8.99645E-05	4.68934E-05
1253	9.34735E-05	9.8908E-05	2.78218E-05	9.65511E-05	5.15115E-05	9.8046E-05	0.000102476	5.31164E-05	9.65511E-05	5.05786E-05
1254	0.000101169	0.00010701	3.06037E-05	0.00010345	5.27056E-05	0.000105595	0.000110403	5.68335E-05	0.00010345	5.17641E-05
1255	0.00010452	0.000110421	3.32336E-05	0.000107523	9.43609E-05	0.000109137	0.000114059	5.92202E-05	0.000107523	8.82741E-05
1256	0.00010024	0.00010581	3.29549E-05	0.000103605	9.40281E-05	0.000104721	0.000109436	5.69075E-05	0.000103605	8.78997E-05
1257	9.80198E-05	0.000103437	3.25735E-05	0.000100371	9.50698E-05	0.000101947	0.000106561	5.51557E-05	0.000100371	8.89344E-05
1258	9.64149E-05	0.00010172	3.23235E-05	9.72513E-05	9.57734E-05	9.96021E-05	0.000104168	5.32902E-05	9.72513E-05	8.96375E-05
1259	9.6019E-05	0.000101286	3.23925E-05	9.58149E-05	9.62262E-05	9.87179E-05	0.000103285	5.23974E-05	9.58149E-05	9.00937E-05
1260	9.29781E-05	9.80905E-05	3.12181E-05	9.24956E-05	9.00988E-05	9.54911E-05	9.99364E-05	5.04067E-05	9.24956E-05	8.48332E-05
1261	9.0694E-05	9.56718E-05	3.05602E-05	9.01052E-05	8.98445E-05	9.30785E-05	9.74094E-05	4.91532E-05	9.01052E-05	8.4579E-05
1262	8.87499E-05	9.3627E-05	2.98328E-05	8.91452E-05	8.84492E-05	9.15111E-05	9.57209E-05	4.88146E-05	8.91452E-05	8.31675E-05
1263	8.95167E-05	9.44534E-05	2.98798E-05	8.99966E-05	9.24069E-05	9.23678E-05	9.66291E-05	4.91494E-05	8.99966E-05	8.62367E-05
1264	9.47267E-05	9.9962E-05	3.14823E-05	9.50534E-05	8.93061E-05	9.76862E-05	0.000102214	5.17692E-05	9.50534E-05	8.30973E-05
1265	0.000104606	0.000110421	3.43523E-05	0.000104719	8.67572E-05	0.000107829	0.000112873	5.66769E-05	0.000104719	8.05172E-05
1266	0.000118885	0.000125433	3.97873E-05	0.000116715	8.52196E-05	0.000121451	0.000127201	6.31333E-05	0.000116715	7.89626E-05
1267	0.000130781	0.000137781	4.62239E-05	0.000125396	7.13266E-05	0.000131953	0.000138175	6.88435E-05	0.000125396	6.67843E-05
1268	0.00013226	0.000139213	4.82749E-05	0.000124993	6.01176E-05	0.000132437	0.000138664	6.92793E-05	0.000124993	5.73417E-05
1269	0.00012969	0.000136526	4.7107E-05	0.000120157	5.24497E-05	0.000128858	0.000134961	6.69594E-05	0.000120157	5.05314E-05
1270	0.000123522	0.00013014	4.35682E-05	0.00011335	4.71794E-05	0.000122447	0.000128295	6.3125E-05	0.00011335	4.61557E-05
1271	0.000112643	0.000118764	3.86972E-05	0.000105347	4.56933E-05	0.000112665	0.000117997	5.85798E-05	0.000105347	4.46551E-05
1272	0.000103187	0.000108946	3.36103E-05	9.93457E-05	4.48668E-05	0.000104699	0.000109621	5.47714E-05	9.93457E-05	4.38211E-05
1273	8.84743E-05	9.35254E-05	2.74545E-05	8.81833E-05	4.50302E-05	9.126E-05	9.54596E-05	4.86661E-05	8.81833E-05	4.40004E-05
1274	8.61393E-05	9.11451E-05	2.56676E-05	8.72187E-05	4.52135E-05	8.95936E-05	9.37189E-05	4.77538E-05	8.72187E-05	4.4188E-05
1275	8.51737E-05	9.01513E-05	2.50425E-05	8.71216E-05	4.61122E-05	8.90172E-05	9.30914E-05	4.76964E-05	8.71216E-05	4.5103E-05
1276	8.74073E-05	9.25237E-05	2.55988E-05	8.99645E-05	4.78753E-05	9.16065E-05	9.57819E-05	4.92587E-05	8.99645E-05	4.68934E-05
1277	9.34735E-05	9.8908E-05	2.78218E-05	9.65511E-05	5.15115E-05	9.8046E-05	0.000102476	5.31164E-05	9.65511E-05	5.05786E-05
1278	0.000101169	0.00010701	3.06037E-05	0.00010345	5.27056E-05	0.000105595	0.000110403	5.68335E-05	0.00010345	5.17641E-05
1279	0.00010452	0.000110421	3.32336E-05	0.000107523	9.43609E-05	0.000109137	0.000114059	5.92202E-05	0.000107523	8.82741E-05
1280	0.00010024	0.00010581	3.29549E-05	0.000103605	9.40281E-05	0.000104721	0.000109436	5.69075E-05	0.000103605	8.78997E-05
1281	9.80198E-05	0.000103437	3.25735E-05	0.000100371	9.50698E-05	0.000101947	0.000106561	5.51557E-05	0.000100371	8.89344E-05
1282	9.64149E-05	0.00010172	3.23235E-05	9.72513E-05	9.57734E-05	9.96021E-05	0.000104168	5.32902E-05	9.72513E-05	8.96375E-05
1283	9.6019E-05	0.000101286	3.23925E-05	9.58149E-05	9.62262E-05	9.87179E-05	0.000103285	5.23974E-05	9.58149E-05	9.00937E-05

1284	9.29781E-05	9.80905E-05	3.12181E-05	9.24956E-05	9.00988E-05	9.54911E-05	9.99364E-05	5.04067E-05	9.24956E-05	8.48332E-05
1285	9.0694E-05	9.56718E-05	3.05602E-05	9.01052E-05	8.98445E-05	9.30785E-05	9.74094E-05	4.91532E-05	9.01052E-05	8.4579E-05
1286	8.87499E-05	9.3627E-05	2.98328E-05	8.91452E-05	8.84492E-05	9.15111E-05	9.57209E-05	4.88146E-05	8.91452E-05	8.31675E-05
1287	8.95167E-05	9.44534E-05	2.98798E-05	8.99966E-05	9.24069E-05	9.23678E-05	9.66291E-05	4.91494E-05	8.99966E-05	8.62367E-05
1288	9.47267E-05	9.9962E-05	3.14823E-05	9.50534E-05	8.93061E-05	9.76862E-05	0.000102214	5.17692E-05	9.50534E-05	8.30973E-05
1289	0.000104606	0.000110421	3.43523E-05	0.000104719	8.67572E-05	0.000107829	0.000112873	5.66769E-05	0.000104719	8.05172E-05
1290	0.000118885	0.000125433	3.97873E-05	0.000116715	8.52196E-05	0.000121451	0.000127201	6.31333E-05	0.000116715	7.89626E-05
1291	0.000130781	0.000137781	4.62239E-05	0.000125396	7.13266E-05	0.000131953	0.000138175	6.88435E-05	0.000125396	6.67843E-05
1292	0.00013226	0.000139213	4.82749E-05	0.000124993	6.01176E-05	0.000132437	0.000138664	6.92793E-05	0.000124993	5.73417E-05
1293	0.00012969	0.000136526	4.7107E-05	0.000120157	5.24497E-05	0.000128858	0.000134961	6.69594E-05	0.000120157	5.05314E-05
1294	0.000123522	0.00013014	4.35682E-05	0.00011335	4.71794E-05	0.000122447	0.000128295	6.3125E-05	0.00011335	4.61557E-05
1295	0.000112643	0.000118764	3.86972E-05	0.000105347	4.56933E-05	0.000112665	0.000117997	5.85798E-05	0.000105347	4.46551E-05
1296	0.000103187	0.000108946	3.36103E-05	9.93457E-05	4.48668E-05	0.000104699	0.000109621	5.47714E-05	9.93457E-05	4.38211E-05
1297	8.84743E-05	9.35254E-05	2.74545E-05	8.81833E-05	4.50302E-05	9.126E-05	9.54596E-05	4.86661E-05	8.81833E-05	4.40004E-05
1298	8.61393E-05	9.11451E-05	2.56676E-05	8.72187E-05	4.52135E-05	8.95936E-05	9.37189E-05	4.77538E-05	8.72187E-05	4.4188E-05
1299	8.51737E-05	9.01513E-05	2.50425E-05	8.71216E-05	4.61122E-05	8.90172E-05	9.30914E-05	4.76964E-05	8.71216E-05	4.5103E-05
1300	8.74073E-05	9.25237E-05	2.55988E-05	8.99645E-05	4.78753E-05	9.16065E-05	9.57819E-05	4.92587E-05	8.99645E-05	4.68934E-05
1301	9.34735E-05	9.8908E-05	2.78218E-05	9.65511E-05	5.15115E-05	9.8046E-05	0.000102476	5.31164E-05	9.65511E-05	5.05786E-05
1302	0.000101169	0.00010701	3.06037E-05	0.00010345	5.27056E-05	0.000105595	0.000110403	5.68335E-05	0.00010345	5.17641E-05
1303	0.00010452	0.000110421	3.32336E-05	0.000107523	9.43609E-05	0.000109137	0.000114059	5.92202E-05	0.000107523	8.82741E-05
1304	0.00010024	0.00010581	3.29549E-05	0.000103605	9.40281E-05	0.000104721	0.000109436	5.69075E-05	0.000103605	8.78997E-05
1305	9.80198E-05	0.000103437	3.25735E-05	0.000100371	9.50698E-05	0.000101947	0.000106561	5.51557E-05	0.000100371	8.89344E-05
1306	9.64149E-05	0.00010172	3.23235E-05	9.72513E-05	9.57734E-05	9.96021E-05	0.000104168	5.32902E-05	9.72513E-05	8.96375E-05
1307	9.6019E-05	0.000101286	3.23925E-05	9.58149E-05	9.62262E-05	9.87179E-05	0.000103285	5.23974E-05	9.58149E-05	9.00937E-05
1308	9.29781E-05	9.80905E-05	3.12181E-05	9.24956E-05	9.00988E-05	9.54911E-05	9.99364E-05	5.04067E-05	9.24956E-05	8.48332E-05
1309	9.0694E-05	9.56718E-05	3.05602E-05	9.01052E-05	8.98445E-05	9.30785E-05	9.74094E-05	4.91532E-05	9.01052E-05	8.4579E-05
1310	8.87499E-05	9.3627E-05	2.98328E-05	8.91452E-05	8.84492E-05	9.15111E-05	9.57209E-05	4.88146E-05	8.91452E-05	8.31675E-05
1311	8.95167E-05	9.44534E-05	2.98798E-05	8.99966E-05	9.24069E-05	9.23678E-05	9.66291E-05	4.91494E-05	8.99966E-05	8.62367E-05
1312	9.47267E-05	9.9962E-05	3.14823E-05	9.50534E-05	8.93061E-05	9.76862E-05	0.000102214	5.17692E-05	9.50534E-05	8.30973E-05
1313	0.000104606	0.000110421	3.43523E-05	0.000104719	8.67572E-05	0.000107829	0.000112873	5.66769E-05	0.000104719	8.05172E-05
1314	0.000118885	0.000125433	3.97873E-05	0.000116715	8.52196E-05	0.000121451	0.000127201	6.31333E-05	0.000116715	7.89626E-05
1315	0.000130781	0.000137781	4.62239E-05	0.000125396	7.13266E-05	0.000131953	0.000138175	6.88435E-05	0.000125396	6.67843E-05
1316	0.00013226	0.000139213	4.82749E-05	0.000124993	6.01176E-05	0.000132437	0.000138664	6.92793E-05	0.000124993	5.73417E-05
1317	0.00012969	0.000136526	4.7107E-05	0.000120157	5.24497E-05	0.000128858	0.000134961	6.69594E-05	0.000120157	5.05314E-05
1318	0.000123522	0.00013014	4.35682E-05	0.00011335	4.71794E-05	0.000122447	0.000128295	6.3125E-05	0.00011335	4.61557E-05
1319	0.000112643	0.000118764	3.86972E-05	0.000105347	4.56933E-05	0.000112665	0.000117997	5.85798E-05	0.000105347	4.46551E-05
1320	0.000103187	0.000108946	3.36103E-05	9.93457E-05	4.48668E-05	0.000104699	0.000109621	5.47714E-05	9.93457E-05	4.38211E-05
1321	8.84743E-05	9.35254E-05	2.74545E-05	8.81833E-05	4.50302E-05	9.126E-05	9.54596E-05	4.86661E-05	8.81833E-05	4.40004E-05
1322	8.61393E-05	9.11451E-05	2.56676E-05	8.72187E-05	4.52135E-05	8.95936E-05	9.37189E-05	4.77538E-05	8.72187E-05	4.4188E-05
1323	8.51737E-05	9.01513E-05	2.50425E-05	8.71216E-05	4.61122E-05	8.90172E-05	9.30914E-05	4.76964E-05	8.71216E-05	4.5103E-05
1324	8.74073E-05	9.25237E-05	2.55988E-05	8.99645E-05	4.78753E-05	9.16065E-05	9.57819E-05	4.92587E-05	8.99645E-05	4.68934E-05
1325	9.34735E-05	9.8908E-05	2.78218E-05	9.65511E-05	5.15115E-05	9.8046E-05	0.000102476	5.31164E-05	9.65511E-05	5.05786E-05
1326	0.000101169	0.00010701	3.06037E-05	0.00010345	5.27056E-05	0.000105595	0.000110403	5.68335E-05	0.00010345	5.17641E-05
1327	0.00010452	0.000110421	3.32336E-05	0.000107523	9.43609E-05	0.000109137	0.000114059	5.92202E-05	0.000107523	8.82741E-05
1328	0.00010024	0.00010581	3.29549E-05	0.000103605	9.40281E-05	0.000104721	0.000109436	5.69075E-05	0.000103605	8.78997E-05
1329	9.80198E-05	0.000103437	3.25735E-05	0.000100371	9.50698E-05	0.000101947	0.000106561	5.51557E-05	0.000100371	8.89344E-05
1330	9.64149E-05	0.00010172	3.23235E-05	9.72513E-05	9.57734E-05	9.96021E-05	0.000104168	5.32902E-05	9.72513E-05	8.96375E-05
1331	9.6019E-05	0.000101286	3.23925E-05	9.58149E-05	9.62262E-05	9.87179E-05	0.000103285	5.23974E-05	9.58149E-05	9.00937E-05
1332	9.29781E-05	9.80905E-05	3.12181E-05	9.24956E-05	9.00988E-05	9.54911E-05	9.99364E-05	5.04067E-05	9.24956E-05	8.48332E-05
1333	9.0694E-05	9.56718E-05	3.05602E-05	9.01052E-05	8.98445E-05	9.30785E-05	9.74094E-05	4.91532E-05	9.01052E-05	8.4579E-05
1334	8.87499E-05	9.3627E-05	2.98328E-05	8.91452E-05	8.84492E-05	9.15111E-05	9.57209E-05	4.88146E-05	8.91452E-05	8.31675E-05
1335	8.95167E-05	9.44534E-05	2.98798E-05	8.99966E-05	9.24069E-05	9.23678E-05	9.66291E-05	4.91494E-05	8.99966E-05	8.62367E-05
1336	9.47267E-05	9.9962E-05	3.14823E-05	9.50534E-05	8.93061E-05	9.76862E-05	0.000102214	5.17692E-05	9.50534E-05	8.30973E-05
1337	0.000104606	0.000110421	3.43523E-05	0.000104719	8.67572E-05	0.000107829	0.000112873	5.66769E-05	0.000104719	8.05172E-05
1338	0.000118885	0.000125433	3.97873E-05	0.000116715	8.52196E-05	0.000121451	0.000127201	6.31333E-05	0.000116715	7.89626E-05
1339	0.000130781	0.000137781	4.62239E-05	0.000125396	7.13266E-05	0.000131953	0.000138175	6.88435E-05	0.000125396	6.67843E-05
1340	0.00013226	0.000139213	4.82749E-05	0.000124993	6.01176E-05	0.000132437	0.000138664	6.92793E-05	0.000124993	5.73417E-05
1341	0.00012969	0.000136526	4.7107E-05	0.000120157	5.24497E-05	0.000128858	0.000134961	6.69594E-05	0.000120157	5.05314E-05
1342	0.000123522	0.00013014	4.35682E-05	0.00011335	4.71794E-05	0.000122447	0.000128295	6.3125E-05	0.00011335	4.61557E-05
1343	0.000112643	0.000118764	3.86972E-05	0.000105347	4.56933E-05	0.000112665	0.000117997	5.85798E-05	0.000105347	4.46551E-05
1344	0.000103187	0.000108946	3.36103E-05	9.93457E-05	4.48668E-05	0.000104699	0.000109621	5.47714E-05	9.93457E-05	4.38211E-05
1345	8.84743E-05	9.35254E-05	2.74545E-05	8.81833E-05	4.50302E-05	9.126E-05	9.54596E-05	4.86661E-05	8.81833E-05	4.40004E-05
1346	8.61393E-05	9.11451E-05	2.56676E-05	8.72187E-05	4.52135E-05	8.95936E-05	9.37189E-05	4.77538E-05	8.72187E-05	4.4188E-05
1347	8.51737E-05	9.01513E-05	2.50425E-05	8.71216E-05	4.61122E-05	8.90172E-05	9.30914E-05	4.76964E-05	8.71216E-05	4.5103E-05
1348	8.74073E-05	9.25237E-05	2.55988E-05	8.99645E-05	4.78753E-05	9.16065E-05	9.57819E-05	4.92587E-05	8.99645E-05	4.68934E-05
1349	9.34735E-05	9.8908E-05	2.78218E-05	9.65511E-05	5.15115E-05	9.8046E-05	0.000102476	5.31164E-05	9.65511E-05	5.05786E-05
1350	0.000101169	0.00010701	3.06037E-05	0.00010345	5.27056E-05	0.000105595	0.000110403	5.68335E-05	0.00010345	5.17641E-05
1351	0.00010452	0.000110421	3.32336E-05	0.000107523	9.43609E-05	0.000109137	0.000114059	5.92202E-05	0.000107523	8.82741E-05
1352	0.00010024	0.00010581	3.29549E-05	0.000103605	9.40281E-05	0.000104721	0.000109436	5.69075E-05	0.000103605	8.78997E-05
1353	9.80198E-05	0.000103437	3.25735E-05	0.000100371	9.50698E-05	0.000101947	0.000106561	5.51557E-05	0.000100371	8.89344E-05
1354	9.64149E-05	0.00010172	3.23235E-05	9.72513E-05	9.57734E-05	9.96021E-05	0.000104168	5.32902E-05	9.72513E-05	8.96375E-05
1355	9.6019E-05	0.000101286	3.23925E-05	9.58149E-05	9.62262E-05	9.87179E-05	0.000103285	5.23974E-05	9.58149E-05	9.00937E-05
1356	9.29781E-05	9.80905E-05	3.12181E-05	9.24956E-05	9.00988E-05	9.54911E-05	9.99364E-05	5.04067E-05	9.24956E-05	8.48332E-05
1357	9.0694E-05	9.56718E-05	3.05602E-05	9.01052E-05	8.98445E-05	9.30785E-05	9.74094E-05	4.91532E-05	9.01052E-05	8.4579E-05
1358	8.87499E-05	9.3627E-05	2.98328E-05	8.91452E-05	8.84492E-05	9.15111E-05	9.57209E-05	4.88146E-05	8.91452E-05	8.31675E-05
1359	8.95167E-05	9.44534E-05	2.98798E-05	8.99966E-05	9.24069E-05	9.23678E-05	9.66291E-05	4.91494E-05	8.99966E-05	8.62367E-05

1360	9.47267E-05	9.9962E-05	3.14823E-05	9.50534E-05	8.93061E-05	9.76862E-05	0.000102214	5.17692E-05	9.50534E-05	8.30973E-05
1361	0.000104606	0.000110421	3.43523E-05	0.000104719	8.67572E-05	0.000107829	0.000112873	5.66769E-05	0.000104719	8.05172E-05
1362	0.000118885	0.000125433	3.97873E-05	0.000116715	8.52196E-05	0.000121451	0.000127201	6.31333E-05	0.000116715	7.89626E-05
1363	0.000130781	0.000137781	4.62239E-05	0.000125396	7.13266E-05	0.000131953	0.000138175	6.88435E-05	0.000125396	6.67843E-05
1364	0.00013226	0.000139213	4.82749E-05	0.000124993	6.01176E-05	0.000132437	0.000138664	6.92793E-05	0.000124993	5.73417E-05
1365	0.00012969	0.000136526	4.7107E-05	0.000120157	5.24497E-05	0.000128858	0.000134961	6.69594E-05	0.000120157	5.05314E-05
1366	0.000123522	0.00013014	4.35682E-05	0.00011335	4.71794E-05	0.000122447	0.000128295	6.3125E-05	0.00011335	4.61557E-05
1367	0.000112643	0.000118764	3.86972E-05	0.000105347	4.56933E-05	0.000112665	0.000117997	5.85798E-05	0.000105347	4.46551E-05
1368	0.000103187	0.000108946	3.36103E-05	9.93457E-05	4.48668E-05	0.000104699	0.000109621	5.47714E-05	9.93457E-05	4.38211E-05
1369	8.93408E-05	9.44428E-05	2.77063E-05	8.91778E-05	4.4745E-05	9.22126E-05	9.64523E-05	4.92124E-05	8.91778E-05	4.37106E-05
1370	8.66884E-05	9.17242E-05	2.58542E-05	8.7949E-05	4.52787E-05	9.02362E-05	9.4381E-05	4.81984E-05	8.7949E-05	4.42539E-05
1371	8.57187E-05	9.07265E-05	2.52233E-05	8.78301E-05	4.62535E-05	8.96487E-05	9.37432E-05	4.81215E-05	8.78301E-05	4.52457E-05
1372	8.79671E-05	9.31161E-05	2.57652E-05	9.06203E-05	4.80469E-05	9.22271E-05	9.64276E-05	4.96248E-05	9.06203E-05	4.7067E-05
1373	9.42446E-05	9.97232E-05	2.80606E-05	9.74904E-05	5.18109E-05	9.89149E-05	0.000103377	5.36559E-05	9.74904E-05	5.08819E-05
1374	0.0001021	0.000107995	3.08827E-05	0.00010455	5.31174E-05	0.000106631	0.00011148	5.74511E-05	0.00010455	5.21813E-05
1375	0.000106944	0.000113015	3.3601E-05	0.000108871	9.48201E-05	0.000111233	0.000116285	5.99862E-05	0.000108871	8.87391E-05
1376	0.000100726	0.000106321	3.31347E-05	0.000104306	9.46769E-05	0.000105312	0.00011004	5.73544E-05	0.000104306	8.85557E-05
1377	9.84593E-05	0.000103899	3.27413E-05	0.000101024	9.58543E-05	0.000102488	0.000107113	5.55789E-05	0.000101024	8.97269E-05
1378	9.6752E-05	0.000102077	3.24254E-05	9.76527E-05	9.66346E-05	9.99783E-05	0.000104559	5.3517E-05	9.76527E-05	9.05074E-05
1379	9.64057E-05	0.000101695	3.25096E-05	9.6276E-05	9.70469E-05	9.91497E-05	0.000103734	5.26582E-05	9.6276E-05	9.09225E-05
1380	9.33244E-05	9.84566E-05	3.13258E-05	9.29193E-05	9.09408E-05	9.58821E-05	0.000100342	5.06508E-05	9.29193E-05	8.56833E-05
1381	9.10583E-05	9.60562E-05	3.06809E-05	9.0578E-05	9.06627E-05	9.35002E-05	9.78448E-05	4.94367E-05	9.0578E-05	8.54047E-05
1382	8.89924E-05	9.38792E-05	2.99587E-05	8.96289E-05	8.91764E-05	9.18577E-05	9.60667E-05	4.91692E-05	8.96289E-05	8.39017E-05
1383	8.98413E-05	9.47934E-05	3.00171E-05	9.05286E-05	9.29787E-05	9.27868E-05	9.70537E-05	4.95108E-05	9.05286E-05	8.68136E-05
1384	9.51895E-05	0.000100449	3.16523E-05	9.57163E-05	8.97116E-05	9.82463E-05	0.000102787	5.21904E-05	9.57163E-05	8.35064E-05
1385	0.000105124	0.000110969	3.45222E-05	0.000105386	8.70986E-05	0.000108427	0.00011349	5.70738E-05	0.000105386	8.08618E-05
1386	0.000119671	0.000126263	4.00346E-05	0.000117687	8.55182E-05	0.000122342	0.000128124	6.36977E-05	0.000117687	7.92642E-05
1387	0.000131613	0.000138659	4.64943E-05	0.000126457	7.15305E-05	0.000132909	0.000139163	6.94719E-05	0.000126457	6.69901E-05
1388	0.000133059	0.000140057	4.85242E-05	0.000125973	6.02391E-05	0.00013334	0.0001396	6.98452E-05	0.000125973	5.74638E-05
1389	0.000129019	0.000135786	4.72737E-05	0.000120912	5.25705E-05	0.000128724	0.000134772	6.73882E-05	0.000120912	5.06528E-05
1390	0.00012425	0.00013091	4.37874E-05	0.000114214	4.73312E-05	0.000123258	0.000129139	6.36119E-05	0.000114214	4.63085E-05
1391	0.000113361	0.000119523	3.89129E-05	0.000106197	4.57261E-05	0.000113464	0.000118828	5.9058E-05	0.000106197	4.46866E-05
1392	0.0001038	0.000109594	3.38067E-05	0.000100117	4.47209E-05	0.000105399	0.000110346	5.52243E-05	0.000100117	4.36711E-05
1393	8.93408E-05	9.44428E-05	2.77063E-05	8.91778E-05	4.4745E-05	9.22126E-05	9.64523E-05	4.92124E-05	8.91778E-05	4.37106E-05
1394	8.66884E-05	9.17242E-05	2.58542E-05	8.7949E-05	4.52787E-05	9.02362E-05	9.4381E-05	4.81984E-05	8.7949E-05	4.42539E-05
1395	8.57187E-05	9.07265E-05	2.52233E-05	8.78301E-05	4.62535E-05	8.96487E-05	9.37432E-05	4.81215E-05	8.78301E-05	4.52457E-05
1396	8.79671E-05	9.31161E-05	2.57652E-05	9.06203E-05	4.80469E-05	9.22271E-05	9.64276E-05	4.96248E-05	9.06203E-05	4.7067E-05
1397	9.42446E-05	9.97232E-05	2.80606E-05	9.74904E-05	5.18109E-05	9.89149E-05	0.000103377	5.36559E-05	9.74904E-05	5.08819E-05
1398	0.0001021	0.000107995	3.08827E-05	0.00010455	5.31174E-05	0.000106631	0.00011148	5.74511E-05	0.00010455	5.21813E-05
1399	0.000106944	0.000113015	3.3601E-05	0.000108871	9.48201E-05	0.000111233	0.000116285	5.99862E-05	0.000108871	8.87391E-05
1400	0.000100726	0.000106321	3.31347E-05	0.000104306	9.46769E-05	0.000105312	0.00011004	5.73544E-05	0.000104306	8.85557E-05
1401	9.84593E-05	0.000103899	3.27413E-05	0.000101024	9.58543E-05	0.000102488	0.000107113	5.55789E-05	0.000101024	8.97269E-05
1402	9.6752E-05	0.000102077	3.24254E-05	9.76527E-05	9.66346E-05	9.99783E-05	0.000104559	5.3517E-05	9.76527E-05	9.05074E-05
1403	9.64057E-05	0.000101695	3.25096E-05	9.6276E-05	9.70469E-05	9.91497E-05	0.000103734	5.26582E-05	9.6276E-05	9.09225E-05
1404	9.33244E-05	9.84566E-05	3.13258E-05	9.29193E-05	9.09408E-05	9.58821E-05	0.000100342	5.06508E-05	9.29193E-05	8.56833E-05
1405	9.10583E-05	9.60562E-05	3.06809E-05	9.0578E-05	9.06627E-05	9.35002E-05	9.78448E-05	4.94367E-05	9.0578E-05	8.54047E-05
1406	8.89924E-05	9.38792E-05	2.99587E-05	8.96289E-05	8.91764E-05	9.18577E-05	9.60667E-05	4.91692E-05	8.96289E-05	8.39017E-05
1407	8.98413E-05	9.47934E-05	3.00171E-05	9.05286E-05	9.29787E-05	9.27868E-05	9.70537E-05	4.95108E-05	9.05286E-05	8.68136E-05
1408	9.51895E-05	0.000100449	3.16523E-05	9.57163E-05	8.97116E-05	9.82463E-05	0.000102787	5.21904E-05	9.57163E-05	8.35064E-05
1409	0.000105124	0.000110969	3.45222E-05	0.000105386	8.70986E-05	0.000108427	0.00011349	5.70738E-05	0.000105386	8.08618E-05
1410	0.000119671	0.000126263	4.00346E-05	0.000117687	8.55182E-05	0.000122342	0.000128124	6.36977E-05	0.000117687	7.92642E-05
1411	0.000131613	0.000138659	4.64943E-05	0.000126457	7.15305E-05	0.000132909	0.000139163	6.94719E-05	0.000126457	6.69901E-05
1412	0.000133059	0.000140057	4.85242E-05	0.000125973	6.02391E-05	0.00013334	0.0001396	6.98452E-05	0.000125973	5.74638E-05
1413	0.000129019	0.000135786	4.72737E-05	0.000120912	5.25705E-05	0.000128724	0.000134772	6.73882E-05	0.000120912	5.06528E-05
1414	0.00012425	0.00013091	4.37874E-05	0.000114214	4.73312E-05	0.000123258	0.000129139	6.36119E-05	0.000114214	4.63085E-05
1415	0.000113361	0.000119523	3.89129E-05	0.000106197	4.57261E-05	0.000113464	0.000118828	5.9058E-05	0.000106197	4.46866E-05
1416	0.0001038	0.000109594	3.38067E-05	0.000100117	4.47209E-05	0.000105399	0.000110346	5.52243E-05	0.000100117	4.36711E-05
1417	2.29159E-05	2.42473E-05	6.83155E-06	2.21632E-05	4.50302E-05	2.31793E-05	2.42641E-05	1.21774E-05	2.21632E-05	4.40004E-05
1418	2.2334E-05	2.36537E-05	6.39254E-06	2.19251E-05	4.52135E-05	2.27646E-05	2.38307E-05	1.19522E-05	2.19251E-05	4.4188E-05
1419	2.20852E-05	2.33969E-05	6.23919E-06	2.19014E-05	4.61122E-05	2.26169E-05	2.36697E-05	1.19392E-05	2.19014E-05	4.5103E-05
1420	2.26667E-05	2.4015E-05	6.37854E-06	2.26163E-05	4.78753E-05	2.32747E-05	2.43538E-05	1.23306E-05	2.26163E-05	4.68934E-05
1421	2.42301E-05	2.56621E-05	6.93034E-06	2.42699E-05	5.15115E-05	2.49053E-05	2.605E-05	1.32952E-05	2.42699E-05	5.05786E-05
1422	2.62319E-05	2.77726E-05	7.61952E-06	2.60037E-05	5.27056E-05	2.68293E-05	2.80722E-05	1.42234E-05	2.60037E-05	5.17641E-05
1423	2.71239E-05	2.86851E-05	8.26389E-06	2.7024E-05	9.43609E-05	2.77414E-05	2.9016E-05	1.48145E-05	2.7024E-05	8.82741E-05
1424	2.60503E-05	2.7529E-05	8.18692E-06	2.60387E-05	9.40281E-05	2.66386E-05	2.78619E-05	1.42311E-05	2.60387E-05	8.78997E-05
1425	2.547E-05	2.69087E-05	8.09004E-06	2.52251E-05	9.50698E-05	2.59335E-05	2.71307E-05	1.37916E-05	2.52251E-05	8.89344E-05
1426	2.50587E-05	2.64686E-05	8.02553E-06	2.44412E-05	9.57734E-05	2.53435E-05	2.65287E-05	1.33234E-05	2.44412E-05	8.96375E-05
1427	2.49596E-05	2.63601E-05	8.04096E-06	2.40803E-05	9.62262E-05	2.51231E-05	2.63087E-05	1.3099E-05	2.40803E-05	9.00937E-05
1428	2.41786E-05	2.55386E-05	7.7496E-06	2.32474E-05	9.00988E-05	2.43075E-05	2.54617E-05	1.26013E-05	2.32474E-05	8.48332E-05
1429	2.35816E-05	2.49057E-05	7.58584E-06	2.26461E-05	8.98445E-05	2.36921E-05	2.48165E-05	1.22876E-05	2.26461E-05	8.4579E-05
1430	2.30676E-05	2.4364E-05	7.40649E-06	2.2404E-05	8.84492E-05	2.32863E-05	2.4379E-05	1.2204E-05	2.2404E-05	8.31675E-05
1431	2.32747E-05	2.45872E-05	7.41891E-06	2.26191E-05	9.24069E-05	2.35081E-05	2.46143E-05	1.22881E-05	2.26191E-05	8.62367E-05
1432	2.4637E-05	2.60294E-05	7.81704E-06	2.38912E-05	8.93061E-05	2.48661E-05	2.60416E-05	1.29432E-05	2.38912E-05	8.30973E-05
1433	2.72264E-05	2.8774E-05	8.53074E-06	2.63234E-05	8.67572E-05	2.74587E-05	2.87689E-05	1.41707E-05	2.63234E-05	8.05172E-05
1434	3.09392E-05	3.26828E-05	9.87567E-06	2.93374E-05	8.52196E-05	3.09315E-05	3.24253E-05	1.57817E-05	2.93374E-05	7.89626E-05
1435	3.39692E-05	3.58322E-05	1.14626E-05	3.15085E-05	7.13266E-05	3.35804E-05	3.51952E-05	1.72022E-05	3.15085E-05	6.67843E-05

1436	3.43118E-05	3.61617E-05	1.19649E-05	3.14002E-05	6.01176E-05	3.36869E-05	3.53019E-05	1.73069E-05	3.14002E-05	5.73417E-05
1437	3.35915E-05	3.54055E-05	1.16781E-05	3.01827E-05	5.24497E-05	3.27532E-05	3.43331E-05	1.6729E-05	3.01827E-05	5.05314E-05
1438	3.19647E-05	3.3716E-05	1.0808E-05	2.84748E-05	4.71794E-05	3.11093E-05	3.26212E-05	1.5776E-05	2.84748E-05	4.61557E-05
1439	2.91528E-05	3.07708E-05	9.60559E-06	2.6467E-05	4.56933E-05	2.86209E-05	2.99989E-05	1.46443E-05	2.6467E-05	4.46551E-05
1440	2.67326E-05	2.82541E-05	8.35231E-06	2.49659E-05	4.48668E-05	2.66043E-05	2.78767E-05	1.36985E-05	2.49659E-05	4.38211E-05
1441	7.49019E-05	7.91883E-05	2.31196E-05	7.11302E-05	4.43767E-05	7.57629E-05	7.94204E-05	3.86671E-05	7.11302E-05	4.33248E-05
1442	7.29945E-05	7.72575E-05	2.14962E-05	7.08103E-05	4.4644E-05	7.46269E-05	7.82211E-05	3.8174E-05	7.08103E-05	4.35994E-05
1443	7.33437E-05	7.76599E-05	2.12019E-05	7.20351E-05	4.58485E-05	7.54233E-05	7.90381E-05	3.87611E-05	7.20351E-05	4.48257E-05
1444	7.71401E-05	8.169E-05	2.21754E-05	7.65347E-05	4.86787E-05	7.96773E-05	8.34736E-05	4.1174E-05	7.65347E-05	4.76961E-05
1445	8.40047E-05	8.89282E-05	2.45265E-05	8.36484E-05	5.24811E-05	8.68428E-05	9.09533E-05	4.51535E-05	8.36484E-05	5.15417E-05
1446	9.07653E-05	9.60329E-05	2.71307E-05	8.98183E-05	5.35828E-05	9.34981E-05	9.7923E-05	4.86196E-05	8.98183E-05	5.26303E-05
1447	9.17583E-05	9.69427E-05	2.91287E-05	9.13736E-05	9.51741E-05	9.45208E-05	9.89394E-05	4.97062E-05	9.13736E-05	8.90705E-05
1448	8.69552E-05	9.17736E-05	2.8747E-05	8.70336E-05	9.41634E-05	8.95994E-05	9.37761E-05	4.7238E-05	8.70336E-05	8.80126E-05
1449	8.30396E-05	8.76093E-05	2.78357E-05	8.17142E-05	9.5121E-05	8.49067E-05	8.89124E-05	4.42801E-05	8.17142E-05	8.89648E-05
1450	8.13038E-05	8.57471E-05	2.76277E-05	7.8738E-05	9.56266E-05	8.2532E-05	8.64671E-05	4.26213E-05	7.8738E-05	8.94626E-05
1451	8.02791E-05	8.46462E-05	2.75226E-05	7.66096E-05	9.63841E-05	8.0968E-05	8.4873E-05	4.13616E-05	7.66096E-05	9.02232E-05
1452	7.82362E-05	8.25107E-05	2.65989E-05	7.42914E-05	9.03652E-05	7.87823E-05	8.26201E-05	3.98581E-05	7.42914E-05	8.50683E-05
1453	7.73979E-05	8.16274E-05	2.63033E-05	7.33453E-05	9.0803E-05	7.78752E-05	8.16782E-05	3.9305E-05	7.33453E-05	8.55127E-05
1454	7.55802E-05	7.97184E-05	2.5589E-05	7.24451E-05	9.00232E-05	7.64138E-05	8.01064E-05	3.89618E-05	7.24451E-05	8.4726E-05
1455	7.66848E-05	8.08891E-05	2.58954E-05	7.4284E-05	9.41593E-05	7.78756E-05	8.16003E-05	4.00986E-05	7.4284E-05	8.79778E-05
1456	8.07617E-05	8.51889E-05	2.72796E-05	7.84513E-05	9.06074E-05	8.21083E-05	8.60226E-05	4.24078E-05	7.84513E-05	8.43854E-05
1457	8.75476E-05	9.23696E-05	2.92963E-05	8.47348E-05	8.71265E-05	8.89157E-05	9.31934E-05	4.55305E-05	8.47348E-05	8.08643E-05
1458	9.7893E-05	0.000103202	3.37598E-05	9.28405E-05	8.50435E-05	9.84555E-05	0.000103221	5.01228E-05	9.28405E-05	7.87575E-05
1459	0.000108321	0.000113997	3.97532E-05	9.9751E-05	7.10576E-05	0.000107309	0.000112484	5.48277E-05	9.9751E-05	6.64935E-05
1460	0.000111635	0.000117372	4.23258E-05	0.000101398	6.00286E-05	0.000109788	0.000115055	5.6368E-05	0.000101398	5.7236E-05
1461	0.000110462	0.000116165	4.1559E-05	9.81458E-05	5.22352E-05	0.000107737	0.000112946	5.49113E-05	9.81458E-05	5.03004E-05
1462	0.000104756	0.000110273	3.81151E-05	9.17337E-05	4.67128E-05	0.000101782	0.000106766	5.12344E-05	9.17337E-05	4.56695E-05
1463	9.51685E-05	0.000100273	3.35021E-05	8.47931E-05	4.51893E-05	9.32571E-05	9.78092E-05	4.70881E-05	8.47931E-05	4.41323E-05
1464	8.64543E-05	9.12451E-05	2.85789E-05	7.94708E-05	4.44154E-05	8.60402E-05	9.02272E-05	4.35745E-05	7.94708E-05	4.3353E-05
1465	7.49019E-05	7.91883E-05	2.31196E-05	7.11302E-05	4.43767E-05	7.57629E-05	7.94204E-05	3.86671E-05	7.11302E-05	4.33248E-05
1466	7.29945E-05	7.72575E-05	2.14962E-05	7.08103E-05	4.4644E-05	7.46269E-05	7.82211E-05	3.8174E-05	7.08103E-05	4.35994E-05
1467	7.33437E-05	7.76599E-05	2.12019E-05	7.20351E-05	4.58485E-05	7.54233E-05	7.90381E-05	3.87611E-05	7.20351E-05	4.48257E-05
1468	7.71401E-05	8.169E-05	2.21754E-05	7.65347E-05	4.86787E-05	7.96773E-05	8.34736E-05	4.1174E-05	7.65347E-05	4.76961E-05
1469	8.40047E-05	8.89282E-05	2.45265E-05	8.36484E-05	5.24811E-05	8.68428E-05	9.09533E-05	4.51535E-05	8.36484E-05	5.15417E-05
1470	9.07653E-05	9.60329E-05	2.71307E-05	8.98183E-05	5.35828E-05	9.34981E-05	9.7923E-05	4.86196E-05	8.98183E-05	5.26303E-05
1471	9.17583E-05	9.69427E-05	2.91287E-05	9.13736E-05	9.51741E-05	9.45208E-05	9.89394E-05	4.97062E-05	9.13736E-05	8.90705E-05
1472	8.69552E-05	9.17736E-05	2.8747E-05	8.70336E-05	9.41634E-05	8.95994E-05	9.37761E-05	4.7238E-05	8.70336E-05	8.80126E-05
1473	8.30396E-05	8.76093E-05	2.78357E-05	8.17142E-05	9.5121E-05	8.49067E-05	8.89124E-05	4.42801E-05	8.17142E-05	8.89648E-05
1474	8.13038E-05	8.57471E-05	2.76277E-05	7.8738E-05	9.56266E-05	8.2532E-05	8.64671E-05	4.26213E-05	7.8738E-05	8.94626E-05
1475	8.02791E-05	8.46462E-05	2.75226E-05	7.66096E-05	9.63841E-05	8.0968E-05	8.4873E-05	4.13616E-05	7.66096E-05	9.02232E-05
1476	7.82362E-05	8.25107E-05	2.65989E-05	7.42914E-05	9.03652E-05	7.87823E-05	8.26201E-05	3.98581E-05	7.42914E-05	8.50683E-05
1477	7.73979E-05	8.16274E-05	2.63033E-05	7.33453E-05	9.0803E-05	7.78752E-05	8.16782E-05	3.9305E-05	7.33453E-05	8.55127E-05
1478	7.55802E-05	7.97184E-05	2.5589E-05	7.24451E-05	9.00232E-05	7.64138E-05	8.01064E-05	3.89618E-05	7.24451E-05	8.4726E-05
1479	7.66848E-05	8.08891E-05	2.58954E-05	7.4284E-05	9.41593E-05	7.78756E-05	8.16003E-05	4.00986E-05	7.4284E-05	8.79778E-05
1480	8.07617E-05	8.51889E-05	2.72796E-05	7.84513E-05	9.06074E-05	8.21083E-05	8.60226E-05	4.24078E-05	7.84513E-05	8.43854E-05
1481	8.75476E-05	9.23696E-05	2.92963E-05	8.47348E-05	8.71265E-05	8.89157E-05	9.31934E-05	4.55305E-05	8.47348E-05	8.08643E-05
1482	9.7893E-05	0.000103202	3.37598E-05	9.28405E-05	8.50435E-05	9.84555E-05	0.000103221	5.01228E-05	9.28405E-05	7.87575E-05
1483	0.000108321	0.000113997	3.97532E-05	9.9751E-05	7.10576E-05	0.000107309	0.000112484	5.48277E-05	9.9751E-05	6.64935E-05
1484	0.000111635	0.000117372	4.23258E-05	0.000101398	6.00286E-05	0.000109788	0.000115055	5.6368E-05	0.000101398	5.7236E-05
1485	0.000110462	0.000116165	4.1559E-05	9.81458E-05	5.22352E-05	0.000107737	0.000112946	5.49113E-05	9.81458E-05	5.03004E-05
1486	0.000104756	0.000110273	3.81151E-05	9.17337E-05	4.67128E-05	0.000101782	0.000106766	5.12344E-05	9.17337E-05	4.56695E-05
1487	9.51685E-05	0.000100273	3.35021E-05	8.47931E-05	4.51893E-05	9.32571E-05	9.78092E-05	4.70881E-05	8.47931E-05	4.41323E-05
1488	8.64543E-05	9.12451E-05	2.85789E-05	7.94708E-05	4.44154E-05	8.60402E-05	9.02272E-05	4.35745E-05	7.94708E-05	4.3353E-05
1489	7.49019E-05	7.91883E-05	2.31196E-05	7.11302E-05	4.43767E-05	7.57629E-05	7.94204E-05	3.86671E-05	7.11302E-05	4.33248E-05
1490	7.29945E-05	7.72575E-05	2.14962E-05	7.08103E-05	4.4644E-05	7.46269E-05	7.82211E-05	3.8174E-05	7.08103E-05	4.35994E-05
1491	7.33437E-05	7.76599E-05	2.12019E-05	7.20351E-05	4.58485E-05	7.54233E-05	7.90381E-05	3.87611E-05	7.20351E-05	4.48257E-05
1492	7.71401E-05	8.169E-05	2.21754E-05	7.65347E-05	4.86787E-05	7.96773E-05	8.34736E-05	4.1174E-05	7.65347E-05	4.76961E-05
1493	8.40047E-05	8.89282E-05	2.45265E-05	8.36484E-05	5.24811E-05	8.68428E-05	9.09533E-05	4.51535E-05	8.36484E-05	5.15417E-05
1494	9.07653E-05	9.60329E-05	2.71307E-05	8.98183E-05	5.35828E-05	9.34981E-05	9.7923E-05	4.86196E-05	8.98183E-05	5.26303E-05
1495	9.17583E-05	9.69427E-05	2.91287E-05	9.13736E-05	9.51741E-05	9.45208E-05	9.89394E-05	4.97062E-05	9.13736E-05	8.90705E-05
1496	8.69552E-05	9.17736E-05	2.8747E-05	8.70336E-05	9.41634E-05	8.95994E-05	9.37761E-05	4.7238E-05	8.70336E-05	8.80126E-05
1497	8.30396E-05	8.76093E-05	2.78357E-05	8.17142E-05	9.5121E-05	8.49067E-05	8.89124E-05	4.42801E-05	8.17142E-05	8.89648E-05
1498	8.13038E-05	8.57471E-05	2.76277E-05	7.8738E-05	9.56266E-05	8.2532E-05	8.64671E-05	4.26213E-05	7.8738E-05	8.94626E-05
1499	8.02791E-05	8.46462E-05	2.75226E-05	7.66096E-05	9.63841E-05	8.0968E-05	8.4873E-05	4.13616E-05	7.66096E-05	9.02232E-05
1500	7.82362E-05	8.25107E-05	2.65989E-05	7.42914E-05	9.03652E-05	7.87823E-05	8.26201E-05	3.98581E-05	7.42914E-05	8.50683E-05
1501	7.73979E-05	8.16274E-05	2.63033E-05	7.33453E-05	9.0803E-05	7.78752E-05	8.16782E-05	3.9305E-05	7.33453E-05	8.55127E-05
1502	7.55802E-05	7.97184E-05	2.5589E-05	7.24451E-05	9.00232E-05	7.64138E-05	8.01064E-05	3.89618E-05	7.24451E-05	8.4726E-05
1503	7.66848E-05	8.08891E-05	2.58954E-05	7.4284E-05	9.41593E-05	7.78756E-05	8.16003E-05	4.00986E-05	7.4284E-05	8.79778E-05
1504	8.07617E-05	8.51889E-05	2.72796E-05	7.84513E-05	9.06074E-05	8.21083E-05	8.60226E-05	4.24078E-05	7.84513E-05	8.43854E-05
1505	8.75476E-05	9.23696E-05	2.92963E-05	8.47348E-05	8.71265E-05	8.89157E-05	9.31934E-05	4.55305E-05	8.47348E-05	8.08643E-05
1506	9.7893E-05	0.000103202	3.37598E-05	9.28405E-05	8.50435E-05	9.84555E-05	0.000103221	5.01228E-05	9.28405E-05	7.87575E-05
1507	0.000108321	0.000113997	3.97532E-05	9.9751E-05	7.10576E-05	0.000107309	0.000112484	5.48277E-05	9.9751E-05	6.64935E-05
1508	0.000111635	0.000117372	4.23258E-05	0.000101398	6.00286E-05	0.000109788	0.000115055	5.6368E-05	0.000101398	5.7236E-05
1509	0.000110462	0.000116165	4.1559E-05	9.81458E-05	5.22352E-05	0.000107737	0.000112946	5.49113E-05	9.81458E-05	5.03004E-05
1510	0.000104756	0.000110273	3.81151E-05	9.17337E-05	4.67128E-05	0.000101782	0.000106766	5.12344E-05	9.17337E-05	4.56695E-05
1511	9.51685E-05	0.000100273	3.35021E-05	8.47931E-05	4.51893E-05	9.32571E-05	9.78092E-05	4.70881E-05	8.47931E-05	4.41323E-05

1512	8.64543E-05	9.12451E-05	2.85789E-05	7.94708E-05	4.44154E-05	8.60402E-05	9.02272E-05	4.35745E-05	7.94708E-05	4.3353E-05
1513	7.49019E-05	7.91883E-05	2.31196E-05	7.11302E-05	4.43767E-05	7.57629E-05	7.94204E-05	3.86671E-05	7.11302E-05	4.33248E-05
1514	7.29945E-05	7.72575E-05	2.14962E-05	7.08103E-05	4.4644E-05	7.46269E-05	7.82211E-05	3.8174E-05	7.08103E-05	4.35994E-05
1515	7.33437E-05	7.76599E-05	2.12019E-05	7.20351E-05	4.58485E-05	7.54233E-05	7.90381E-05	3.87611E-05	7.20351E-05	4.48257E-05
1516	7.71401E-05	8.169E-05	2.21754E-05	7.65347E-05	4.86787E-05	7.96773E-05	8.34736E-05	4.1174E-05	7.65347E-05	4.76961E-05
1517	8.40047E-05	8.89282E-05	2.45265E-05	8.36484E-05	5.24811E-05	8.68428E-05	9.09533E-05	4.51535E-05	8.36484E-05	5.15417E-05
1518	9.07653E-05	9.60329E-05	2.71307E-05	8.98183E-05	5.35828E-05	9.34981E-05	9.7923E-05	4.86196E-05	8.98183E-05	5.26303E-05
1519	9.17583E-05	9.69427E-05	2.91287E-05	9.13736E-05	9.51741E-05	9.45208E-05	9.89394E-05	4.97062E-05	9.13736E-05	8.90705E-05
1520	8.69552E-05	9.17736E-05	2.8747E-05	8.70336E-05	9.41634E-05	8.95994E-05	9.37761E-05	4.7238E-05	8.70336E-05	8.80126E-05
1521	8.30396E-05	8.76093E-05	2.78357E-05	8.17142E-05	9.5121E-05	8.49067E-05	8.89124E-05	4.42801E-05	8.17142E-05	8.89648E-05
1522	8.13038E-05	8.57471E-05	2.76277E-05	7.8738E-05	9.56266E-05	8.2532E-05	8.64671E-05	4.26213E-05	7.8738E-05	8.94626E-05
1523	8.02791E-05	8.46462E-05	2.75226E-05	7.66096E-05	9.63841E-05	8.0968E-05	8.4873E-05	4.13616E-05	7.66096E-05	9.02232E-05
1524	7.82362E-05	8.25107E-05	2.65989E-05	7.42914E-05	9.03652E-05	7.87823E-05	8.26201E-05	3.98581E-05	7.42914E-05	8.50683E-05
1525	7.73979E-05	8.16274E-05	2.63033E-05	7.33453E-05	9.0803E-05	7.78752E-05	8.16782E-05	3.9305E-05	7.33453E-05	8.55127E-05
1526	7.55802E-05	7.97184E-05	2.5589E-05	7.24451E-05	9.00232E-05	7.64138E-05	8.01064E-05	3.89618E-05	7.24451E-05	8.4726E-05
1527	7.66848E-05	8.08891E-05	2.58954E-05	7.4284E-05	9.41593E-05	7.78756E-05	8.16003E-05	4.00986E-05	7.4284E-05	8.79778E-05
1528	8.07617E-05	8.51889E-05	2.72796E-05	7.84513E-05	9.06074E-05	8.21083E-05	8.60226E-05	4.24078E-05	7.84513E-05	8.43854E-05
1529	8.75476E-05	9.23696E-05	2.92963E-05	8.47348E-05	8.71265E-05	8.89157E-05	9.31934E-05	4.55305E-05	8.47348E-05	8.08643E-05
1530	9.7893E-05	0.000103202	3.37598E-05	9.28405E-05	8.50435E-05	9.84555E-05	0.000103221	5.01228E-05	9.28405E-05	7.87575E-05
1531	0.000108321	0.000113997	3.97532E-05	9.9751E-05	7.10576E-05	0.000107309	0.000112484	5.48277E-05	9.9751E-05	6.64935E-05
1532	0.000111635	0.000117372	4.23258E-05	0.000101398	6.00286E-05	0.000109788	0.000115055	5.6368E-05	0.000101398	5.7236E-05
1533	0.000110462	0.000116165	4.1559E-05	9.81458E-05	5.22352E-05	0.000107737	0.000112946	5.49113E-05	9.81458E-05	5.03004E-05
1534	0.000104756	0.000110273	3.81151E-05	9.17337E-05	4.67128E-05	0.000101782	0.000106766	5.12344E-05	9.17337E-05	4.56695E-05
1535	9.51685E-05	0.000100273	3.35021E-05	8.47931E-05	4.51893E-05	9.32571E-05	9.78092E-05	4.70881E-05	8.47931E-05	4.41323E-05
1536	8.64543E-05	9.12451E-05	2.85789E-05	7.94708E-05	4.44154E-05	8.60402E-05	9.02272E-05	4.35745E-05	7.94708E-05	4.3353E-05
1537	7.48619E-05	7.91461E-05	2.31068E-05	7.10799E-05	4.42814E-05	7.57172E-05	7.93732E-05	3.86375E-05	7.10799E-05	4.32307E-05
1538	7.33107E-05	7.75916E-05	2.15957E-05	7.12015E-05	4.46036E-05	7.49856E-05	7.85927E-05	3.84011E-05	7.12015E-05	4.35597E-05
1539	7.36747E-05	7.80098E-05	2.13046E-05	7.24394E-05	4.58368E-05	7.57966E-05	7.94253E-05	3.89937E-05	7.24394E-05	4.48156E-05
1540	7.75002E-05	8.20709E-05	2.22844E-05	7.69643E-05	4.8652E-05	8.00795E-05	8.38915E-05	4.14171E-05	7.69643E-05	4.76712E-05
1541	8.44169E-05	8.93641E-05	2.4653E-05	8.41464E-05	5.24499E-05	8.73057E-05	9.14338E-05	4.54379E-05	8.41464E-05	5.15122E-05
1542	9.10943E-05	9.63807E-05	2.72319E-05	9.02166E-05	5.35412E-05	9.38678E-05	9.83068E-05	4.88474E-05	9.02166E-05	5.25903E-05
1543	9.36078E-05	9.89298E-05	2.93149E-05	9.20099E-05	9.51392E-05	9.59646E-05	0.000100491	5.00587E-05	9.20099E-05	8.90371E-05
1544	8.74422E-05	9.22883E-05	2.88996E-05	8.76332E-05	9.41322E-05	9.01506E-05	9.43475E-05	4.7585E-05	8.76332E-05	8.79826E-05
1545	8.35966E-05	8.81975E-05	2.80155E-05	8.24198E-05	9.51106E-05	8.55448E-05	8.95724E-05	4.46965E-05	8.24198E-05	8.89556E-05
1546	8.1854E-05	8.63285E-05	2.78004E-05	7.94168E-05	9.56266E-05	8.31553E-05	8.7113E-05	4.30148E-05	7.94168E-05	8.94638E-05
1547	8.07531E-05	8.5147E-05	2.76722E-05	7.71976E-05	9.63796E-05	8.15062E-05	8.54306E-05	4.17037E-05	7.71976E-05	9.02198E-05
1548	7.86837E-05	8.29833E-05	2.67424E-05	7.4855E-05	9.03592E-05	7.92937E-05	8.31493E-05	4.01894E-05	7.4855E-05	8.50634E-05
1549	7.7914E-05	8.21732E-05	2.64622E-05	7.39704E-05	9.08233E-05	7.84554E-05	8.22803E-05	3.96626E-05	7.39704E-05	8.55342E-05
1550	7.6003E-05	8.01657E-05	2.57158E-05	7.2945E-05	9.00751E-05	7.68843E-05	8.05957E-05	3.92428E-05	7.2945E-05	8.47791E-05
1551	7.70165E-05	8.12395E-05	2.60014E-05	7.47002E-05	9.41999E-05	7.82541E-05	8.1992E-05	4.03426E-05	7.47002E-05	8.80196E-05
1552	8.11043E-05	8.555E-05	2.73981E-05	7.89146E-05	9.06195E-05	8.25122E-05	8.64383E-05	4.26928E-05	7.89146E-05	8.43984E-05
1553	8.79344E-05	9.27774E-05	2.94297E-05	8.52565E-05	8.71241E-05	8.93712E-05	9.36623E-05	4.58507E-05	8.52565E-05	8.08628E-05
1554	9.83106E-05	0.000103642	3.39023E-05	9.3398E-05	8.50384E-05	9.8945E-05	0.000103725	5.0463E-05	9.3398E-05	7.87531E-05
1555	0.000108755	0.000114455	3.98961E-05	0.000100311	7.1051E-05	0.00010781	0.000113001	5.51627E-05	0.000100311	6.64876E-05
1556	0.000112143	0.000117908	4.24944E-05	0.000102058	6.00126E-05	0.000110377	0.000115663	5.67646E-05	0.000102058	5.72212E-05
1557	0.000109594	0.000115215	4.16953E-05	9.87744E-05	5.22036E-05	0.000107427	0.000112565	5.53134E-05	9.87744E-05	5.02705E-05
1558	0.000105439	0.000110994	3.83365E-05	9.26025E-05	4.66663E-05	0.000102566	0.000107577	5.17484E-05	9.26025E-05	4.56247E-05
1559	9.60103E-05	0.000101163	3.37601E-05	8.58085E-05	4.5137E-05	9.42017E-05	9.87899E-05	4.76673E-05	8.58085E-05	4.40817E-05
1560	8.68754E-05	9.16899E-05	2.87139E-05	8.0001E-05	4.42651E-05	8.65213E-05	9.07251E-05	4.38861E-05	8.0001E-05	4.32041E-05
1561	7.48619E-05	7.91461E-05	2.31068E-05	7.10799E-05	4.42814E-05	7.57172E-05	7.93732E-05	3.86375E-05	7.10799E-05	4.32307E-05
1562	7.33107E-05	7.75916E-05	2.15957E-05	7.12015E-05	4.46036E-05	7.49856E-05	7.85927E-05	3.84011E-05	7.12015E-05	4.35597E-05
1563	7.36747E-05	7.80098E-05	2.13046E-05	7.24394E-05	4.58368E-05	7.57966E-05	7.94253E-05	3.89937E-05	7.24394E-05	4.48156E-05
1564	7.75002E-05	8.20709E-05	2.22844E-05	7.69643E-05	4.8652E-05	8.00795E-05	8.38915E-05	4.14171E-05	7.69643E-05	4.76712E-05
1565	8.44169E-05	8.93641E-05	2.4653E-05	8.41464E-05	5.24499E-05	8.73057E-05	9.14338E-05	4.54379E-05	8.41464E-05	5.15122E-05
1566	9.10943E-05	9.63807E-05	2.72319E-05	9.02166E-05	5.35412E-05	9.38678E-05	9.83068E-05	4.88474E-05	9.02166E-05	5.25903E-05
1567	9.36078E-05	9.89298E-05	2.93149E-05	9.20099E-05	9.51392E-05	9.59646E-05	0.000100491	5.00587E-05	9.20099E-05	8.90371E-05
1568	8.74422E-05	9.22883E-05	2.88996E-05	8.76332E-05	9.41322E-05	9.01506E-05	9.43475E-05	4.7585E-05	8.76332E-05	8.79826E-05
1569	8.35966E-05	8.81975E-05	2.80155E-05	8.24198E-05	9.51106E-05	8.55448E-05	8.95724E-05	4.46965E-05	8.24198E-05	8.89556E-05
1570	8.1854E-05	8.63285E-05	2.78004E-05	7.94168E-05	9.56266E-05	8.31553E-05	8.7113E-05	4.30148E-05	7.94168E-05	8.94638E-05
1571	8.07531E-05	8.5147E-05	2.76722E-05	7.71976E-05	9.63796E-05	8.15062E-05	8.54306E-05	4.17037E-05	7.71976E-05	9.02198E-05
1572	7.86837E-05	8.29833E-05	2.67424E-05	7.4855E-05	9.03592E-05	7.92937E-05	8.31493E-05	4.01894E-05	7.4855E-05	8.50634E-05
1573	7.7914E-05	8.21732E-05	2.64622E-05	7.39704E-05	9.08233E-05	7.84554E-05	8.22803E-05	3.96626E-05	7.39704E-05	8.55342E-05
1574	7.6003E-05	8.01657E-05	2.57158E-05	7.2945E-05	9.00751E-05	7.68843E-05	8.05957E-05	3.92428E-05	7.2945E-05	8.47791E-05
1575	7.70165E-05	8.12395E-05	2.60014E-05	7.47002E-05	9.41999E-05	7.82541E-05	8.1992E-05	4.03426E-05	7.47002E-05	8.80196E-05
1576	8.11043E-05	8.555E-05	2.73981E-05	7.89146E-05	9.06195E-05	8.25122E-05	8.64383E-05	4.26928E-05	7.89146E-05	8.43984E-05
1577	8.79344E-05	9.27774E-05	2.94297E-05	8.52565E-05	8.71241E-05	8.93712E-05	9.36623E-05	4.58507E-05	8.52565E-05	8.08628E-05
1578	9.83106E-05	0.000103642	3.39023E-05	9.3398E-05	8.50384E-05	9.8945E-05	0.000103725	5.0463E-05	9.3398E-05	7.87531E-05
1579	0.000108755	0.000114455	3.98961E-05	0.000100311	7.1051E-05	0.00010781	0.000113001	5.51627E-05	0.000100311	6.64876E-05
1580	0.000112143	0.000117908	4.24944E-05	0.000102058	6.00126E-05	0.000110377	0.000115663	5.67646E-05	0.000102058	5.72212E-05
1581	0.000109594	0.000115215	4.16953E-05	9.87744E-05	5.22036E-05	0.000107427	0.000112565	5.53134E-05	9.87744E-05	5.02705E-05
1582	0.000105439	0.000110994	3.83365E-05	9.26025E-05	4.66663E-05	0.000102566	0.000107577	5.17484E-05	9.26025E-05	4.56247E-05
1583	9.60103E-05	0.000101163	3.37601E-05	8.58085E-05	4.5137E-05	9.42017E-05	9.87899E-05	4.76673E-05	8.58085E-05	4.40817E-05
1584	8.68754E-05	9.16899E-05	2.87139E-05	8.0001E-05	4.42651E-05	8.65213E-05	9.07251E-05	4.38861E-05	8.0001E-05	4.32041E-05
1585	7.49019E-05	7.91883E-05	2.31196E-05	7.11302E-05	4.43767E-05	7.57629E-05	7.94204E-05	3.86671E-05	7.11302E-05	4.33248E-05
1586	7.29945E-05	7.72575E-05	2.14962E-05	7.08103E-05	4.4644E-05	7.46269E-05	7.82211E-05	3.8174E-05	7.08103E-05	4.35994E-05
1587	7.33437E-05	7.76599E-05	2.12019E-05	7.20351E-05	4.58485E-05	7.54233E-05	7.90381E-05	3.87611E-05	7.20351E-05	4.48257E-05

1588	7.71401E-05	8.169E-05	2.21754E-05	7.65347E-05	4.86787E-05	7.96773E-05	8.34736E-05	4.1174E-05	7.65347E-05	4.76961E-05
1589	8.40047E-05	8.89282E-05	2.45265E-05	8.36484E-05	5.24811E-05	8.68428E-05	9.09533E-05	4.51535E-05	8.36484E-05	5.15417E-05
1590	9.07653E-05	9.60329E-05	2.71307E-05	8.98183E-05	5.35828E-05	9.34981E-05	9.7923E-05	4.86196E-05	8.98183E-05	5.26303E-05
1591	9.17583E-05	9.69427E-05	2.91287E-05	9.13736E-05	9.51741E-05	9.45208E-05	9.89394E-05	4.97062E-05	9.13736E-05	8.90705E-05
1592	8.69552E-05	9.17736E-05	2.8747E-05	8.70336E-05	9.41634E-05	8.95994E-05	9.37761E-05	4.7238E-05	8.70336E-05	8.80126E-05
1593	8.30396E-05	8.76093E-05	2.78357E-05	8.17142E-05	9.5121E-05	8.49067E-05	8.89124E-05	4.42801E-05	8.17142E-05	8.89648E-05
1594	8.13038E-05	8.57471E-05	2.76277E-05	7.8738E-05	9.56266E-05	8.2532E-05	8.64671E-05	4.26213E-05	7.8738E-05	8.94626E-05
1595	8.02791E-05	8.46462E-05	2.75226E-05	7.66096E-05	9.63841E-05	8.0968E-05	8.4873E-05	4.13616E-05	7.66096E-05	9.02232E-05
1596	7.82362E-05	8.25107E-05	2.65989E-05	7.42914E-05	9.03652E-05	7.87823E-05	8.26201E-05	3.98581E-05	7.42914E-05	8.50683E-05
1597	7.73979E-05	8.16274E-05	2.63033E-05	7.33453E-05	9.0803E-05	7.78752E-05	8.16782E-05	3.9305E-05	7.33453E-05	8.55127E-05
1598	7.55802E-05	7.97184E-05	2.5589E-05	7.24451E-05	9.00232E-05	7.64138E-05	8.01064E-05	3.89618E-05	7.24451E-05	8.4726E-05
1599	7.66848E-05	8.08891E-05	2.58954E-05	7.4284E-05	9.41593E-05	7.78756E-05	8.16003E-05	4.00986E-05	7.4284E-05	8.79778E-05
1600	8.07617E-05	8.51889E-05	2.72796E-05	7.84513E-05	9.06074E-05	8.21083E-05	8.60226E-05	4.24078E-05	7.84513E-05	8.43854E-05
1601	8.75476E-05	9.23696E-05	2.92963E-05	8.47348E-05	8.71265E-05	8.89157E-05	9.31934E-05	4.55305E-05	8.47348E-05	8.08643E-05
1602	9.7893E-05	0.000103202	3.37598E-05	9.28405E-05	8.50435E-05	9.84555E-05	0.000103221	5.01228E-05	9.28405E-05	7.87575E-05
1603	0.000108321	0.000113997	3.97532E-05	9.9751E-05	7.10576E-05	0.000107309	0.000112484	5.48277E-05	9.9751E-05	6.64935E-05
1604	0.000111635	0.000117372	4.23258E-05	0.000101398	6.00286E-05	0.000109788	0.000115055	5.6368E-05	0.000101398	5.7236E-05
1605	0.000110462	0.000116165	4.1559E-05	9.81458E-05	5.22352E-05	0.000107737	0.000112946	5.49113E-05	9.81458E-05	5.03004E-05
1606	0.000104756	0.000110273	3.81151E-05	9.17337E-05	4.67128E-05	0.000101782	0.000106766	5.12344E-05	9.17337E-05	4.56695E-05
1607	9.51685E-05	0.000100273	3.35021E-05	8.47931E-05	4.51893E-05	9.32571E-05	9.78092E-05	4.70881E-05	8.47931E-05	4.41323E-05
1608	8.64543E-05	9.12451E-05	2.85789E-05	7.94708E-05	4.44154E-05	8.60402E-05	9.02272E-05	4.35745E-05	7.94708E-05	4.3353E-05
1609	7.49019E-05	7.91883E-05	2.31196E-05	7.11302E-05	4.43767E-05	7.57629E-05	7.94204E-05	3.86671E-05	7.11302E-05	4.33248E-05
1610	7.29945E-05	7.72575E-05	2.14962E-05	7.08103E-05	4.4644E-05	7.46269E-05	7.82211E-05	3.8174E-05	7.08103E-05	4.35994E-05
1611	7.33437E-05	7.76599E-05	2.12019E-05	7.20351E-05	4.58485E-05	7.54233E-05	7.90381E-05	3.87611E-05	7.20351E-05	4.48257E-05
1612	7.71401E-05	8.169E-05	2.21754E-05	7.65347E-05	4.86787E-05	7.96773E-05	8.34736E-05	4.1174E-05	7.65347E-05	4.76961E-05
1613	8.40047E-05	8.89282E-05	2.45265E-05	8.36484E-05	5.24811E-05	8.68428E-05	9.09533E-05	4.51535E-05	8.36484E-05	5.15417E-05
1614	9.07653E-05	9.60329E-05	2.71307E-05	8.98183E-05	5.35828E-05	9.34981E-05	9.7923E-05	4.86196E-05	8.98183E-05	5.26303E-05
1615	9.17583E-05	9.69427E-05	2.91287E-05	9.13736E-05	9.51741E-05	9.45208E-05	9.89394E-05	4.97062E-05	9.13736E-05	8.90705E-05
1616	8.69552E-05	9.17736E-05	2.8747E-05	8.70336E-05	9.41634E-05	8.95994E-05	9.37761E-05	4.7238E-05	8.70336E-05	8.80126E-05
1617	8.30396E-05	8.76093E-05	2.78357E-05	8.17142E-05	9.5121E-05	8.49067E-05	8.89124E-05	4.42801E-05	8.17142E-05	8.89648E-05
1618	8.13038E-05	8.57471E-05	2.76277E-05	7.8738E-05	9.56266E-05	8.2532E-05	8.64671E-05	4.26213E-05	7.8738E-05	8.94626E-05
1619	8.02791E-05	8.46462E-05	2.75226E-05	7.66096E-05	9.63841E-05	8.0968E-05	8.4873E-05	4.13616E-05	7.66096E-05	9.02232E-05
1620	7.82362E-05	8.25107E-05	2.65989E-05	7.42914E-05	9.03652E-05	7.87823E-05	8.26201E-05	3.98581E-05	7.42914E-05	8.50683E-05
1621	7.73979E-05	8.16274E-05	2.63033E-05	7.33453E-05	9.0803E-05	7.78752E-05	8.16782E-05	3.9305E-05	7.33453E-05	8.55127E-05
1622	7.55802E-05	7.97184E-05	2.5589E-05	7.24451E-05	9.00232E-05	7.64138E-05	8.01064E-05	3.89618E-05	7.24451E-05	8.4726E-05
1623	7.66848E-05	8.08891E-05	2.58954E-05	7.4284E-05	9.41593E-05	7.78756E-05	8.16003E-05	4.00986E-05	7.4284E-05	8.79778E-05
1624	8.07617E-05	8.51889E-05	2.72796E-05	7.84513E-05	9.06074E-05	8.21083E-05	8.60226E-05	4.24078E-05	7.84513E-05	8.43854E-05
1625	8.75476E-05	9.23696E-05	2.92963E-05	8.47348E-05	8.71265E-05	8.89157E-05	9.31934E-05	4.55305E-05	8.47348E-05	8.08643E-05
1626	9.7893E-05	0.000103202	3.37598E-05	9.28405E-05	8.50435E-05	9.84555E-05	0.000103221	5.01228E-05	9.28405E-05	7.87575E-05
1627	0.000108321	0.000113997	3.97532E-05	9.9751E-05	7.10576E-05	0.000107309	0.000112484	5.48277E-05	9.9751E-05	6.64935E-05
1628	0.000111635	0.000117372	4.23258E-05	0.000101398	6.00286E-05	0.000109788	0.000115055	5.6368E-05	0.000101398	5.7236E-05
1629	0.000110462	0.000116165	4.1559E-05	9.81458E-05	5.22352E-05	0.000107737	0.000112946	5.49113E-05	9.81458E-05	5.03004E-05
1630	0.000104756	0.000110273	3.81151E-05	9.17337E-05	4.67128E-05	0.000101782	0.000106766	5.12344E-05	9.17337E-05	4.56695E-05
1631	9.51685E-05	0.000100273	3.35021E-05	8.47931E-05	4.51893E-05	9.32571E-05	9.78092E-05	4.70881E-05	8.47931E-05	4.41323E-05
1632	8.64543E-05	9.12451E-05	2.85789E-05	7.94708E-05	4.44154E-05	8.60402E-05	9.02272E-05	4.35745E-05	7.94708E-05	4.3353E-05
1633	7.49019E-05	7.91883E-05	2.31196E-05	7.11302E-05	4.43767E-05	7.57629E-05	7.94204E-05	3.86671E-05	7.11302E-05	4.33248E-05
1634	7.29945E-05	7.72575E-05	2.14962E-05	7.08103E-05	4.4644E-05	7.46269E-05	7.82211E-05	3.8174E-05	7.08103E-05	4.35994E-05
1635	7.33437E-05	7.76599E-05	2.12019E-05	7.20351E-05	4.58485E-05	7.54233E-05	7.90381E-05	3.87611E-05	7.20351E-05	4.48257E-05
1636	7.71401E-05	8.169E-05	2.21754E-05	7.65347E-05	4.86787E-05	7.96773E-05	8.34736E-05	4.1174E-05	7.65347E-05	4.76961E-05
1637	8.40047E-05	8.89282E-05	2.45265E-05	8.36484E-05	5.24811E-05	8.68428E-05	9.09533E-05	4.51535E-05	8.36484E-05	5.15417E-05
1638	9.07653E-05	9.60329E-05	2.71307E-05	8.98183E-05	5.35828E-05	9.34981E-05	9.7923E-05	4.86196E-05	8.98183E-05	5.26303E-05
1639	9.17583E-05	9.69427E-05	2.91287E-05	9.13736E-05	9.51741E-05	9.45208E-05	9.89394E-05	4.97062E-05	9.13736E-05	8.90705E-05
1640	8.69552E-05	9.17736E-05	2.8747E-05	8.70336E-05	9.41634E-05	8.95994E-05	9.37761E-05	4.7238E-05	8.70336E-05	8.80126E-05
1641	8.30396E-05	8.76093E-05	2.78357E-05	8.17142E-05	9.5121E-05	8.49067E-05	8.89124E-05	4.42801E-05	8.17142E-05	8.89648E-05
1642	8.13038E-05	8.57471E-05	2.76277E-05	7.8738E-05	9.56266E-05	8.2532E-05	8.64671E-05	4.26213E-05	7.8738E-05	8.94626E-05
1643	8.02791E-05	8.46462E-05	2.75226E-05	7.66096E-05	9.63841E-05	8.0968E-05	8.4873E-05	4.13616E-05	7.66096E-05	9.02232E-05
1644	7.82362E-05	8.25107E-05	2.65989E-05	7.42914E-05	9.03652E-05	7.87823E-05	8.26201E-05	3.98581E-05	7.42914E-05	8.50683E-05
1645	7.73979E-05	8.16274E-05	2.63033E-05	7.33453E-05	9.0803E-05	7.78752E-05	8.16782E-05	3.9305E-05	7.33453E-05	8.55127E-05
1646	7.55802E-05	7.97184E-05	2.5589E-05	7.24451E-05	9.00232E-05	7.64138E-05	8.01064E-05	3.89618E-05	7.24451E-05	8.4726E-05
1647	7.66848E-05	8.08891E-05	2.58954E-05	7.4284E-05	9.41593E-05	7.78756E-05	8.16003E-05	4.00986E-05	7.4284E-05	8.79778E-05
1648	8.07617E-05	8.51889E-05	2.72796E-05	7.84513E-05	9.06074E-05	8.21083E-05	8.60226E-05	4.24078E-05	7.84513E-05	8.43854E-05
1649	8.75476E-05	9.23696E-05	2.92963E-05	8.47348E-05	8.71265E-05	8.89157E-05	9.31934E-05	4.55305E-05	8.47348E-05	8.08643E-05
1650	9.7893E-05	0.000103202	3.37598E-05	9.28405E-05	8.50435E-05	9.84555E-05	0.000103221	5.01228E-05	9.28405E-05	7.87575E-05
1651	0.000108321	0.000113997	3.97532E-05	9.9751E-05	7.10576E-05	0.000107309	0.000112484	5.48277E-05	9.9751E-05	6.64935E-05
1652	0.000111635	0.000117372	4.23258E-05	0.000101398	6.00286E-05	0.000109788	0.000115055	5.6368E-05	0.000101398	5.7236E-05
1653	0.000110462	0.000116165	4.1559E-05	9.81458E-05	5.22352E-05	0.000107737	0.000112946	5.49113E-05	9.81458E-05	5.03004E-05
1654	0.000104756	0.000110273	3.81151E-05	9.17337E-05	4.67128E-05	0.000101782	0.000106766	5.12344E-05	9.17337E-05	4.56695E-05
1655	9.51685E-05	0.000100273	3.35021E-05	8.47931E-05	4.51893E-05	9.32571E-05	9.78092E-05	4.70881E-05	8.47931E-05	4.41323E-05
1656	8.64543E-05	9.12451E-05	2.85789E-05	7.94708E-05	4.44154E-05	8.60402E-05	9.02272E-05	4.35745E-05	7.94708E-05	4.3353E-05
1657	7.49019E-05	7.91883E-05	2.31196E-05	7.11302E-05	4.43767E-05	7.57629E-05	7.94204E-05	3.86671E-05	7.11302E-05	4.33248E-05
1658	7.29945E-05	7.72575E-05	2.14962E-05	7.08103E-05	4.4644E-05	7.46269E-05	7.82211E-05	3.8174E-05	7.08103E-05	4.35994E-05
1659	7.33437E-05	7.76599E-05	2.12019E-05	7.20351E-05	4.58485E-05	7.54233E-05	7.90381E-05	3.87611E-05	7.20351E-05	4.48257E-05
1660	7.71401E-05	8.169E-05	2.21754E-05	7.65347E-05	4.86787E-05	7.96773E-05	8.34736E-05	4.1174E-05	7.65347E-05	4.76961E-05
1661	8.40047E-05	8.89282E-05	2.45265E-05	8.36484E-05	5.24811E-05	8.68428E-05	9.09533E-05	4.51535E-05	8.36484E-05	5.15417E-05
1662	9.07653E-05	9.60329E-05	2.71307E-05	8.98183E-05	5.35828E-05	9.34981E-05	9.7923E-05	4.86196E-05	8.98183E-05	5.26303E-05
1663	9.17583E-05	9.69427E-05	2.91287E-05	9.13736E-05	9.51741E-05	9.45208E-05	9.89394E-05	4.97062E-05	9.13736E-05	8.90705E-05

1664	8.69552E-05	9.17736E-05	2.8747E-05	8.70336E-05	9.41634E-05	8.95994E-05	9.37761E-05	4.7238E-05	8.70336E-05	8.80126E-05
1665	8.30396E-05	8.76093E-05	2.78357E-05	8.17142E-05	9.5121E-05	8.49067E-05	8.89124E-05	4.42801E-05	8.17142E-05	8.89648E-05
1666	8.13038E-05	8.57471E-05	2.76277E-05	7.8738E-05	9.56266E-05	8.2532E-05	8.64671E-05	4.26213E-05	7.8738E-05	8.94626E-05
1667	8.02791E-05	8.46462E-05	2.75226E-05	7.66096E-05	9.63841E-05	8.0968E-05	8.4873E-05	4.13616E-05	7.66096E-05	9.02232E-05
1668	7.82362E-05	8.25107E-05	2.65989E-05	7.42914E-05	9.03652E-05	7.87823E-05	8.26201E-05	3.98581E-05	7.42914E-05	8.50683E-05
1669	7.73979E-05	8.16274E-05	2.63033E-05	7.33453E-05	9.0803E-05	7.78752E-05	8.16782E-05	3.9305E-05	7.33453E-05	8.55127E-05
1670	7.55802E-05	7.97184E-05	2.5589E-05	7.24451E-05	9.00232E-05	7.64138E-05	8.01064E-05	3.89618E-05	7.24451E-05	8.4726E-05
1671	7.66848E-05	8.08891E-05	2.58954E-05	7.4284E-05	9.41593E-05	7.78756E-05	8.16003E-05	4.00986E-05	7.4284E-05	8.79778E-05
1672	8.07617E-05	8.51889E-05	2.72796E-05	7.84513E-05	9.06074E-05	8.21083E-05	8.60226E-05	4.24078E-05	7.84513E-05	8.43854E-05
1673	8.75476E-05	9.23696E-05	2.92963E-05	8.47348E-05	8.71265E-05	8.89157E-05	9.31934E-05	4.55305E-05	8.47348E-05	8.08643E-05
1674	9.7893E-05	0.000103202	3.37598E-05	9.28405E-05	8.50435E-05	9.84555E-05	0.000103221	5.01228E-05	9.28405E-05	7.87575E-05
1675	0.000108321	0.000113997	3.97532E-05	9.9751E-05	7.10576E-05	0.000107309	0.000112484	5.48277E-05	9.9751E-05	6.64935E-05
1676	0.000111635	0.000117372	4.23258E-05	0.000101398	6.00286E-05	0.000109788	0.000115055	5.6368E-05	0.000101398	5.7236E-05
1677	0.000110462	0.000116165	4.1559E-05	9.81458E-05	5.22352E-05	0.000107737	0.000112946	5.49113E-05	9.81458E-05	5.03004E-05
1678	0.000104756	0.000110273	3.81151E-05	9.17337E-05	4.67128E-05	0.000101782	0.000106766	5.12344E-05	9.17337E-05	4.56695E-05
1679	9.51685E-05	0.000100273	3.35021E-05	8.47931E-05	4.51893E-05	9.32571E-05	9.78092E-05	4.70881E-05	8.47931E-05	4.41323E-05
1680	8.64543E-05	9.12451E-05	2.85789E-05	7.94708E-05	4.44154E-05	8.60402E-05	9.02272E-05	4.35745E-05	7.94708E-05	4.3353E-05
1681	7.49019E-05	7.91883E-05	2.31196E-05	7.11302E-05	4.43767E-05	7.57629E-05	7.94204E-05	3.86671E-05	7.11302E-05	4.33248E-05
1682	7.29945E-05	7.72575E-05	2.14962E-05	7.08103E-05	4.4644E-05	7.46269E-05	7.82211E-05	3.8174E-05	7.08103E-05	4.35994E-05
1683	7.33437E-05	7.76599E-05	2.12019E-05	7.20351E-05	4.58485E-05	7.54233E-05	7.90381E-05	3.87611E-05	7.20351E-05	4.48257E-05
1684	7.71401E-05	8.169E-05	2.21754E-05	7.65347E-05	4.86787E-05	7.96773E-05	8.34736E-05	4.1174E-05	7.65347E-05	4.76961E-05
1685	8.40047E-05	8.89282E-05	2.45265E-05	8.36484E-05	5.24811E-05	8.68428E-05	9.09533E-05	4.51535E-05	8.36484E-05	5.15417E-05
1686	9.07653E-05	9.60329E-05	2.71307E-05	8.98183E-05	5.35828E-05	9.34981E-05	9.7923E-05	4.86196E-05	8.98183E-05	5.26303E-05
1687	9.17583E-05	9.69427E-05	2.91287E-05	9.13736E-05	9.51741E-05	9.45208E-05	9.89394E-05	4.97062E-05	9.13736E-05	8.90705E-05
1688	8.69552E-05	9.17736E-05	2.8747E-05	8.70336E-05	9.41634E-05	8.95994E-05	9.37761E-05	4.7238E-05	8.70336E-05	8.80126E-05
1689	8.30396E-05	8.76093E-05	2.78357E-05	8.17142E-05	9.5121E-05	8.49067E-05	8.89124E-05	4.42801E-05	8.17142E-05	8.89648E-05
1690	8.13038E-05	8.57471E-05	2.76277E-05	7.8738E-05	9.56266E-05	8.2532E-05	8.64671E-05	4.26213E-05	7.8738E-05	8.94626E-05
1691	8.02791E-05	8.46462E-05	2.75226E-05	7.66096E-05	9.63841E-05	8.0968E-05	8.4873E-05	4.13616E-05	7.66096E-05	9.02232E-05
1692	7.82362E-05	8.25107E-05	2.65989E-05	7.42914E-05	9.03652E-05	7.87823E-05	8.26201E-05	3.98581E-05	7.42914E-05	8.50683E-05
1693	7.73979E-05	8.16274E-05	2.63033E-05	7.33453E-05	9.0803E-05	7.78752E-05	8.16782E-05	3.9305E-05	7.33453E-05	8.55127E-05
1694	7.55802E-05	7.97184E-05	2.5589E-05	7.24451E-05	9.00232E-05	7.64138E-05	8.01064E-05	3.89618E-05	7.24451E-05	8.4726E-05
1695	7.66848E-05	8.08891E-05	2.58954E-05	7.4284E-05	9.41593E-05	7.78756E-05	8.16003E-05	4.00986E-05	7.4284E-05	8.79778E-05
1696	8.07617E-05	8.51889E-05	2.72796E-05	7.84513E-05	9.06074E-05	8.21083E-05	8.60226E-05	4.24078E-05	7.84513E-05	8.43854E-05
1697	8.75476E-05	9.23696E-05	2.92963E-05	8.47348E-05	8.71265E-05	8.89157E-05	9.31934E-05	4.55305E-05	8.47348E-05	8.08643E-05
1698	9.7893E-05	0.000103202	3.37598E-05	9.28405E-05	8.50435E-05	9.84555E-05	0.000103221	5.01228E-05	9.28405E-05	7.87575E-05
1699	0.000108321	0.000113997	3.97532E-05	9.9751E-05	7.10576E-05	0.000107309	0.000112484	5.48277E-05	9.9751E-05	6.64935E-05
1700	0.000111635	0.000117372	4.23258E-05	0.000101398	6.00286E-05	0.000109788	0.000115055	5.6368E-05	0.000101398	5.7236E-05
1701	0.000110462	0.000116165	4.1559E-05	9.81458E-05	5.22352E-05	0.000107737	0.000112946	5.49113E-05	9.81458E-05	5.03004E-05
1702	0.000104756	0.000110273	3.81151E-05	9.17337E-05	4.67128E-05	0.000101782	0.000106766	5.12344E-05	9.17337E-05	4.56695E-05
1703	9.51685E-05	0.000100273	3.35021E-05	8.47931E-05	4.51893E-05	9.32571E-05	9.78092E-05	4.70881E-05	8.47931E-05	4.41323E-05
1704	8.64543E-05	9.12451E-05	2.85789E-05	7.94708E-05	4.44154E-05	8.60402E-05	9.02272E-05	4.35745E-05	7.94708E-05	4.3353E-05
1705	7.48619E-05	7.91461E-05	2.31068E-05	7.10799E-05	4.42814E-05	7.57172E-05	7.93732E-05	3.86375E-05	7.10799E-05	4.32307E-05
1706	7.33107E-05	7.75916E-05	2.15957E-05	7.12015E-05	4.46036E-05	7.49856E-05	7.85927E-05	3.84011E-05	7.12015E-05	4.35597E-05
1707	7.36747E-05	7.80098E-05	2.13046E-05	7.24394E-05	4.58368E-05	7.57966E-05	7.94253E-05	3.89937E-05	7.24394E-05	4.48156E-05
1708	7.75002E-05	8.20709E-05	2.22844E-05	7.69643E-05	4.8652E-05	8.00795E-05	8.38915E-05	4.14171E-05	7.69643E-05	4.76712E-05
1709	8.44169E-05	8.93641E-05	2.4653E-05	8.41464E-05	5.24499E-05	8.73057E-05	9.14338E-05	4.54379E-05	8.41464E-05	5.15122E-05
1710	9.10943E-05	9.63807E-05	2.72319E-05	9.02166E-05	5.35412E-05	9.38678E-05	9.83068E-05	4.88474E-05	9.02166E-05	5.25903E-05
1711	9.36078E-05	9.89298E-05	2.93149E-05	9.20099E-05	9.51392E-05	9.59646E-05	0.000100491	5.00587E-05	9.20099E-05	8.90371E-05
1712	8.74422E-05	9.22883E-05	2.88996E-05	8.76332E-05	9.41322E-05	9.01506E-05	9.43475E-05	4.7585E-05	8.76332E-05	8.79826E-05
1713	8.35966E-05	8.81975E-05	2.80155E-05	8.24198E-05	9.51106E-05	8.55448E-05	8.95724E-05	4.46965E-05	8.24198E-05	8.89556E-05
1714	8.1854E-05	8.63285E-05	2.78004E-05	7.94168E-05	9.56266E-05	8.31553E-05	8.7113E-05	4.30148E-05	7.94168E-05	8.94638E-05
1715	8.07531E-05	8.5147E-05	2.76722E-05	7.71976E-05	9.63796E-05	8.15062E-05	8.54306E-05	4.17037E-05	7.71976E-05	9.02198E-05
1716	7.86837E-05	8.29833E-05	2.67424E-05	7.4855E-05	9.03592E-05	7.92937E-05	8.31493E-05	4.01894E-05	7.4855E-05	8.50634E-05
1717	7.7914E-05	8.21732E-05	2.64622E-05	7.39704E-05	9.08233E-05	7.84554E-05	8.22803E-05	3.96626E-05	7.39704E-05	8.55342E-05
1718	7.6003E-05	8.01657E-05	2.57158E-05	7.2945E-05	9.00751E-05	7.68843E-05	8.05957E-05	3.92428E-05	7.2945E-05	8.47791E-05
1719	7.70165E-05	8.12395E-05	2.60014E-05	7.47002E-05	9.41999E-05	7.82541E-05	8.1992E-05	4.03426E-05	7.47002E-05	8.80196E-05
1720	8.11043E-05	8.555E-05	2.73981E-05	7.89146E-05	9.06195E-05	8.25122E-05	8.64383E-05	4.26928E-05	7.89146E-05	8.43984E-05
1721	8.79344E-05	9.27774E-05	2.94297E-05	8.52565E-05	8.71241E-05	8.93712E-05	9.36623E-05	4.58507E-05	8.52565E-05	8.08628E-05
1722	9.83106E-05	0.000103642	3.39023E-05	9.3398E-05	8.50384E-05	9.8945E-05	0.000103725	5.0463E-05	9.3398E-05	7.87531E-05
1723	0.000108755	0.000114455	3.98961E-05	0.000100311	7.1051E-05	0.00010781	0.000113001	5.51627E-05	0.000100311	6.64876E-05
1724	0.000112143	0.000117908	4.24944E-05	0.000102058	6.00126E-05	0.000110377	0.000115663	5.67646E-05	0.000102058	5.72212E-05
1725	0.000109594	0.000115215	4.16953E-05	9.87744E-05	5.22036E-05	0.000107427	0.000112565	5.53134E-05	9.87744E-05	5.02705E-05
1726	0.000105439	0.000110994	3.83365E-05	9.26025E-05	4.66663E-05	0.000102566	0.000107577	5.17484E-05	9.26025E-05	4.56247E-05
1727	9.60103E-05	0.000101163	3.37601E-05	8.58085E-05	4.5137E-05	9.42017E-05	9.87899E-05	4.76673E-05	8.58085E-05	4.40817E-05
1728	8.68754E-05	9.16899E-05	2.87139E-05	8.0001E-05	4.42651E-05	8.65213E-05	9.07251E-05	4.38861E-05	8.0001E-05	4.32041E-05
1729	7.48619E-05	7.91461E-05	2.31068E-05	7.10799E-05	4.42814E-05	7.57172E-05	7.93732E-05	3.86375E-05	7.10799E-05	4.32307E-05
1730	7.33107E-05	7.75916E-05	2.15957E-05	7.12015E-05	4.46036E-05	7.49856E-05	7.85927E-05	3.84011E-05	7.12015E-05	4.35597E-05
1731	7.36747E-05	7.80098E-05	2.13046E-05	7.24394E-05	4.58368E-05	7.57966E-05	7.94253E-05	3.89937E-05	7.24394E-05	4.48156E-05
1732	7.75002E-05	8.20709E-05	2.22844E-05	7.69643E-05	4.8652E-05	8.00795E-05	8.38915E-05	4.14171E-05	7.69643E-05	4.76712E-05
1733	8.44169E-05	8.93641E-05	2.4653E-05	8.41464E-05	5.24499E-05	8.73057E-05	9.14338E-05	4.54379E-05	8.41464E-05	5.15122E-05
1734	9.10943E-05	9.63807E-05	2.72319E-05	9.02166E-05	5.35412E-05	9.38678E-05	9.83068E-05	4.88474E-05	9.02166E-05	5.25903E-05
1735	9.36078E-05	9.89298E-05	2.93149E-05	9.20099E-05	9.51392E-05	9.59646E-05	0.000100491	5.00587E-05	9.20099E-05	8.90371E-05
1736	8.74422E-05	9.22883E-05	2.88996E-05	8.76332E-05	9.41322E-05	9.01506E-05	9.43475E-05	4.7585E-05	8.76332E-05	8.79826E-05
1737	8.35966E-05	8.81975E-05	2.80155E-05	8.24198E-05	9.51106E-05	8.55448E-05	8.95724E-05	4.46965E-05	8.24198E-05	8.89556E-05
1738	8.1854E-05	8.63285E-05	2.78004E-05	7.94168E-05	9.56266E-05	8.31553E-05	8.7113E-05	4.30148E-05	7.94168E-05	8.94638E-05
1739	8.07531E-05	8.5147E-05	2.76722E-05	7.71976E-05	9.63796E-05	8.15062E-05	8.54306E-05	4.17037E-05	7.71976E-05	9.02198E-05

1740	7.86837E-05	8.29833E-05	2.67424E-05	7.4855E-05	9.03592E-05	7.92937E-05	8.31493E-05	4.01894E-05	7.4855E-05	8.50634E-05
1741	7.7914E-05	8.21732E-05	2.64622E-05	7.39704E-05	9.08233E-05	7.84554E-05	8.22803E-05	3.96626E-05	7.39704E-05	8.55342E-05
1742	7.6003E-05	8.01657E-05	2.57158E-05	7.2945E-05	9.00751E-05	7.68843E-05	8.05957E-05	3.92428E-05	7.2945E-05	8.47791E-05
1743	7.70165E-05	8.12395E-05	2.60014E-05	7.47002E-05	9.41999E-05	7.82541E-05	8.1992E-05	4.03426E-05	7.47002E-05	8.80196E-05
1744	8.11043E-05	8.555E-05	2.73981E-05	7.89146E-05	9.06195E-05	8.25122E-05	8.64383E-05	4.26928E-05	7.89146E-05	8.43984E-05
1745	8.79344E-05	9.27774E-05	2.94297E-05	8.52565E-05	8.71241E-05	8.93712E-05	9.36623E-05	4.58507E-05	8.52565E-05	8.08628E-05
1746	9.83106E-05	0.000103642	3.39023E-05	9.3398E-05	8.50384E-05	9.8945E-05	0.000103725	5.0463E-05	9.3398E-05	7.87531E-05
1747	0.000108755	0.000114455	3.98961E-05	0.000100311	7.1051E-05	0.00010781	0.000113001	5.51627E-05	0.000100311	6.64876E-05
1748	0.000112143	0.000117908	4.24944E-05	0.000102058	6.00126E-05	0.000110377	0.000115663	5.67646E-05	0.000102058	5.72212E-05
1749	0.000109594	0.000115215	4.16953E-05	9.87744E-05	5.22036E-05	0.000107427	0.000112565	5.53134E-05	9.87744E-05	5.02705E-05
1750	0.000105439	0.000110994	3.83365E-05	9.26025E-05	4.66663E-05	0.000102566	0.000107577	5.17484E-05	9.26025E-05	4.56247E-05
1751	9.60103E-05	0.000101163	3.37601E-05	8.58085E-05	4.5137E-05	9.42017E-05	9.87899E-05	4.76673E-05	8.58085E-05	4.40817E-05
1752	8.68754E-05	9.16899E-05	2.87139E-05	8.0001E-05	4.42651E-05	8.65213E-05	9.07251E-05	4.38861E-05	8.0001E-05	4.32041E-05
1753	7.49019E-05	7.91883E-05	2.31196E-05	7.11302E-05	4.43767E-05	7.57629E-05	7.94204E-05	3.86671E-05	7.11302E-05	4.33248E-05
1754	7.29945E-05	7.72575E-05	2.14962E-05	7.08103E-05	4.4644E-05	7.46269E-05	7.82211E-05	3.8174E-05	7.08103E-05	4.35994E-05
1755	7.33437E-05	7.76599E-05	2.12019E-05	7.20351E-05	4.58485E-05	7.54233E-05	7.90381E-05	3.87611E-05	7.20351E-05	4.48257E-05
1756	7.71401E-05	8.169E-05	2.21754E-05	7.65347E-05	4.86787E-05	7.96773E-05	8.34736E-05	4.1174E-05	7.65347E-05	4.76961E-05
1757	8.40047E-05	8.89282E-05	2.45265E-05	8.36484E-05	5.24811E-05	8.68428E-05	9.09533E-05	4.51535E-05	8.36484E-05	5.15417E-05
1758	9.07653E-05	9.60329E-05	2.71307E-05	8.98183E-05	5.35828E-05	9.34981E-05	9.7923E-05	4.86196E-05	8.98183E-05	5.26303E-05
1759	9.17583E-05	9.69427E-05	2.91287E-05	9.13736E-05	9.51741E-05	9.45208E-05	9.89394E-05	4.97062E-05	9.13736E-05	8.90705E-05
1760	8.69552E-05	9.17736E-05	2.8747E-05	8.70336E-05	9.41634E-05	8.95994E-05	9.37761E-05	4.7238E-05	8.70336E-05	8.80126E-05
1761	8.30396E-05	8.76093E-05	2.78357E-05	8.17142E-05	9.5121E-05	8.49067E-05	8.89124E-05	4.42801E-05	8.17142E-05	8.89648E-05
1762	8.13038E-05	8.57471E-05	2.76277E-05	7.8738E-05	9.56266E-05	8.2532E-05	8.64671E-05	4.26213E-05	7.8738E-05	8.94626E-05
1763	8.02791E-05	8.46462E-05	2.75226E-05	7.66096E-05	9.63841E-05	8.0968E-05	8.4873E-05	4.13616E-05	7.66096E-05	9.02232E-05
1764	7.82362E-05	8.25107E-05	2.65989E-05	7.42914E-05	9.03652E-05	7.87823E-05	8.26201E-05	3.98581E-05	7.42914E-05	8.50683E-05
1765	7.73979E-05	8.16274E-05	2.63033E-05	7.33453E-05	9.0803E-05	7.78752E-05	8.16782E-05	3.9305E-05	7.33453E-05	8.55127E-05
1766	7.55802E-05	7.97184E-05	2.5589E-05	7.24451E-05	9.00232E-05	7.64138E-05	8.01064E-05	3.89618E-05	7.24451E-05	8.4726E-05
1767	7.66848E-05	8.08891E-05	2.58954E-05	7.4284E-05	9.41593E-05	7.78756E-05	8.16003E-05	4.00986E-05	7.4284E-05	8.79778E-05
1768	8.07617E-05	8.51889E-05	2.72796E-05	7.84513E-05	9.06074E-05	8.21083E-05	8.60226E-05	4.24078E-05	7.84513E-05	8.43854E-05
1769	8.75476E-05	9.23696E-05	2.92963E-05	8.47348E-05	8.71265E-05	8.89157E-05	9.31934E-05	4.55305E-05	8.47348E-05	8.08643E-05
1770	9.7893E-05	0.000103202	3.37598E-05	9.28405E-05	8.50435E-05	9.84555E-05	0.000103221	5.01228E-05	9.28405E-05	7.87575E-05
1771	0.000108321	0.000113997	3.97532E-05	9.9751E-05	7.10576E-05	0.000107309	0.000112484	5.48277E-05	9.9751E-05	6.64935E-05
1772	0.000111635	0.000117372	4.23258E-05	0.000101398	6.00286E-05	0.000109788	0.000115055	5.6368E-05	0.000101398	5.7236E-05
1773	0.000110462	0.000116165	4.1559E-05	9.81458E-05	5.22352E-05	0.000107737	0.000112946	5.49113E-05	9.81458E-05	5.03004E-05
1774	0.000104756	0.000110273	3.81151E-05	9.17337E-05	4.67128E-05	0.000101782	0.000106766	5.12344E-05	9.17337E-05	4.56695E-05
1775	9.51685E-05	0.000100273	3.35021E-05	8.47931E-05	4.51893E-05	9.32571E-05	9.78092E-05	4.70881E-05	8.47931E-05	4.41323E-05
1776	8.64543E-05	9.12451E-05	2.85789E-05	7.94708E-05	4.44154E-05	8.60402E-05	9.02272E-05	4.35745E-05	7.94708E-05	4.3353E-05
1777	7.49019E-05	7.91883E-05	2.31196E-05	7.11302E-05	4.43767E-05	7.57629E-05	7.94204E-05	3.86671E-05	7.11302E-05	4.33248E-05
1778	7.29945E-05	7.72575E-05	2.14962E-05	7.08103E-05	4.4644E-05	7.46269E-05	7.82211E-05	3.8174E-05	7.08103E-05	4.35994E-05
1779	7.33437E-05	7.76599E-05	2.12019E-05	7.20351E-05	4.58485E-05	7.54233E-05	7.90381E-05	3.87611E-05	7.20351E-05	4.48257E-05
1780	7.71401E-05	8.169E-05	2.21754E-05	7.65347E-05	4.86787E-05	7.96773E-05	8.34736E-05	4.1174E-05	7.65347E-05	4.76961E-05
1781	8.40047E-05	8.89282E-05	2.45265E-05	8.36484E-05	5.24811E-05	8.68428E-05	9.09533E-05	4.51535E-05	8.36484E-05	5.15417E-05
1782	9.07653E-05	9.60329E-05	2.71307E-05	8.98183E-05	5.35828E-05	9.34981E-05	9.7923E-05	4.86196E-05	8.98183E-05	5.26303E-05
1783	9.17583E-05	9.69427E-05	2.91287E-05	9.13736E-05	9.51741E-05	9.45208E-05	9.89394E-05	4.97062E-05	9.13736E-05	8.90705E-05
1784	8.69552E-05	9.17736E-05	2.8747E-05	8.70336E-05	9.41634E-05	8.95994E-05	9.37761E-05	4.7238E-05	8.70336E-05	8.80126E-05
1785	8.30396E-05	8.76093E-05	2.78357E-05	8.17142E-05	9.5121E-05	8.49067E-05	8.89124E-05	4.42801E-05	8.17142E-05	8.89648E-05
1786	8.13038E-05	8.57471E-05	2.76277E-05	7.8738E-05	9.56266E-05	8.2532E-05	8.64671E-05	4.26213E-05	7.8738E-05	8.94626E-05
1787	8.02791E-05	8.46462E-05	2.75226E-05	7.66096E-05	9.63841E-05	8.0968E-05	8.4873E-05	4.13616E-05	7.66096E-05	9.02232E-05
1788	7.82362E-05	8.25107E-05	2.65989E-05	7.42914E-05	9.03652E-05	7.87823E-05	8.26201E-05	3.98581E-05	7.42914E-05	8.50683E-05
1789	7.73979E-05	8.16274E-05	2.63033E-05	7.33453E-05	9.0803E-05	7.78752E-05	8.16782E-05	3.9305E-05	7.33453E-05	8.55127E-05
1790	7.55802E-05	7.97184E-05	2.5589E-05	7.24451E-05	9.00232E-05	7.64138E-05	8.01064E-05	3.89618E-05	7.24451E-05	8.4726E-05
1791	7.66848E-05	8.08891E-05	2.58954E-05	7.4284E-05	9.41593E-05	7.78756E-05	8.16003E-05	4.00986E-05	7.4284E-05	8.79778E-05
1792	8.07617E-05	8.51889E-05	2.72796E-05	7.84513E-05	9.06074E-05	8.21083E-05	8.60226E-05	4.24078E-05	7.84513E-05	8.43854E-05
1793	8.75476E-05	9.23696E-05	2.92963E-05	8.47348E-05	8.71265E-05	8.89157E-05	9.31934E-05	4.55305E-05	8.47348E-05	8.08643E-05
1794	9.7893E-05	0.000103202	3.37598E-05	9.28405E-05	8.50435E-05	9.84555E-05	0.000103221	5.01228E-05	9.28405E-05	7.87575E-05
1795	0.000108321	0.000113997	3.97532E-05	9.9751E-05	7.10576E-05	0.000107309	0.000112484	5.48277E-05	9.9751E-05	6.64935E-05
1796	0.000111635	0.000117372	4.23258E-05	0.000101398	6.00286E-05	0.000109788	0.000115055	5.6368E-05	0.000101398	5.7236E-05
1797	0.000110462	0.000116165	4.1559E-05	9.81458E-05	5.22352E-05	0.000107737	0.000112946	5.49113E-05	9.81458E-05	5.03004E-05
1798	0.000104756	0.000110273	3.81151E-05	9.17337E-05	4.67128E-05	0.000101782	0.000106766	5.12344E-05	9.17337E-05	4.56695E-05
1799	9.51685E-05	0.000100273	3.35021E-05	8.47931E-05	4.51893E-05	9.32571E-05	9.78092E-05	4.70881E-05	8.47931E-05	4.41323E-05
1800	8.64543E-05	9.12451E-05	2.85789E-05	7.94708E-05	4.44154E-05	8.60402E-05	9.02272E-05	4.35745E-05	7.94708E-05	4.3353E-05
1801	7.49019E-05	7.91883E-05	2.31196E-05	7.11302E-05	4.43767E-05	7.57629E-05	7.94204E-05	3.86671E-05	7.11302E-05	4.33248E-05
1802	7.29945E-05	7.72575E-05	2.14962E-05	7.08103E-05	4.4644E-05	7.46269E-05	7.82211E-05	3.8174E-05	7.08103E-05	4.35994E-05
1803	7.33437E-05	7.76599E-05	2.12019E-05	7.20351E-05	4.58485E-05	7.54233E-05	7.90381E-05	3.87611E-05	7.20351E-05	4.48257E-05
1804	7.71401E-05	8.169E-05	2.21754E-05	7.65347E-05	4.86787E-05	7.96773E-05	8.34736E-05	4.1174E-05	7.65347E-05	4.76961E-05
1805	8.40047E-05	8.89282E-05	2.45265E-05	8.36484E-05	5.24811E-05	8.68428E-05	9.09533E-05	4.51535E-05	8.36484E-05	5.15417E-05
1806	9.07653E-05	9.60329E-05	2.71307E-05	8.98183E-05	5.35828E-05	9.34981E-05	9.7923E-05	4.86196E-05	8.98183E-05	5.26303E-05
1807	9.17583E-05	9.69427E-05	2.91287E-05	9.13736E-05	9.51741E-05	9.45208E-05	9.89394E-05	4.97062E-05	9.13736E-05	8.90705E-05
1808	8.69552E-05	9.17736E-05	2.8747E-05	8.70336E-05	9.41634E-05	8.95994E-05	9.37761E-05	4.7238E-05	8.70336E-05	8.80126E-05
1809	8.30396E-05	8.76093E-05	2.78357E-05	8.17142E-05	9.5121E-05	8.49067E-05	8.89124E-05	4.42801E-05	8.17142E-05	8.89648E-05
1810	8.13038E-05	8.57471E-05	2.76277E-05	7.8738E-05	9.56266E-05	8.2532E-05	8.64671E-05	4.26213E-05	7.8738E-05	8.94626E-05
1811	8.02791E-05	8.46462E-05	2.75226E-05	7.66096E-05	9.63841E-05	8.0968E-05	8.4873E-05	4.13616E-05	7.66096E-05	9.02232E-05
1812	7.82362E-05	8.25107E-05	2.65989E-05	7.42914E-05	9.03652E-05	7.87823E-05	8.26201E-05	3.98581E-05	7.42914E-05	8.50683E-05
1813	7.73979E-05	8.16274E-05	2.63033E-05	7.33453E-05	9.0803E-05	7.78752E-05	8.16782E-05	3.9305E-05	7.33453E-05	8.55127E-05
1814	7.55802E-05	7.97184E-05	2.5589E-05	7.24451E-05	9.00232E-05	7.64138E-05	8.01064E-05	3.89618E-05	7.24451E-05	8.4726E-05
1815	7.66848E-05	8.08891E-05	2.58954E-05	7.4284E-05	9.41593E-05	7.78756E-05	8.16003E-05	4.00986E-05	7.4284E-05	8.79778E-05

1816	8.07617E-05	8.51889E-05	2.72796E-05	7.84513E-05	9.06074E-05	8.21083E-05	8.60226E-05	4.24078E-05	7.84513E-05	8.43854E-05
1817	8.75476E-05	9.23696E-05	2.92963E-05	8.47348E-05	8.71265E-05	8.89157E-05	9.31934E-05	4.55305E-05	8.47348E-05	8.08643E-05
1818	9.7893E-05	0.000103202	3.37598E-05	9.28405E-05	8.50435E-05	9.84555E-05	0.000103221	5.01228E-05	9.28405E-05	7.87575E-05
1819	0.000108321	0.000113997	3.97532E-05	9.9751E-05	7.10576E-05	0.000107309	0.000112484	5.48277E-05	9.9751E-05	6.64935E-05
1820	0.000111635	0.000117372	4.23258E-05	0.000101398	6.00286E-05	0.000109788	0.000115055	5.6368E-05	0.000101398	5.7236E-05
1821	0.000110462	0.000116165	4.1559E-05	9.81458E-05	5.22352E-05	0.000107737	0.000112946	5.49113E-05	9.81458E-05	5.03004E-05
1822	0.000104756	0.000110273	3.81151E-05	9.17337E-05	4.67128E-05	0.000101782	0.000106766	5.12344E-05	9.17337E-05	4.56695E-05
1823	9.51685E-05	0.000100273	3.35021E-05	8.47931E-05	4.51893E-05	9.32571E-05	9.78092E-05	4.70881E-05	8.47931E-05	4.41323E-05
1824	8.64543E-05	9.12451E-05	2.85789E-05	7.94708E-05	4.44154E-05	8.60402E-05	9.02272E-05	4.35745E-05	7.94708E-05	4.3353E-05
1825	7.49019E-05	7.91883E-05	2.31196E-05	7.11302E-05	4.43767E-05	7.57629E-05	7.94204E-05	3.86671E-05	7.11302E-05	4.33248E-05
1826	7.29945E-05	7.72575E-05	2.14962E-05	7.08103E-05	4.4644E-05	7.46269E-05	7.82211E-05	3.8174E-05	7.08103E-05	4.35994E-05
1827	7.33437E-05	7.76599E-05	2.12019E-05	7.20351E-05	4.58485E-05	7.54233E-05	7.90381E-05	3.87611E-05	7.20351E-05	4.48257E-05
1828	7.71401E-05	8.169E-05	2.21754E-05	7.65347E-05	4.86787E-05	7.96773E-05	8.34736E-05	4.1174E-05	7.65347E-05	4.76961E-05
1829	8.40047E-05	8.89282E-05	2.45265E-05	8.36484E-05	5.24811E-05	8.68428E-05	9.09533E-05	4.51535E-05	8.36484E-05	5.15417E-05
1830	9.07653E-05	9.60329E-05	2.71307E-05	8.98183E-05	5.35828E-05	9.34981E-05	9.7923E-05	4.86196E-05	8.98183E-05	5.26303E-05
1831	9.17583E-05	9.69427E-05	2.91287E-05	9.13736E-05	9.51741E-05	9.45208E-05	9.89394E-05	4.97062E-05	9.13736E-05	8.90705E-05
1832	8.69552E-05	9.17736E-05	2.8747E-05	8.70336E-05	9.41634E-05	8.95994E-05	9.37761E-05	4.7238E-05	8.70336E-05	8.80126E-05
1833	8.30396E-05	8.76093E-05	2.78357E-05	8.17142E-05	9.5121E-05	8.49067E-05	8.89124E-05	4.42801E-05	8.17142E-05	8.89648E-05
1834	8.13038E-05	8.57471E-05	2.76277E-05	7.8738E-05	9.56266E-05	8.2532E-05	8.64671E-05	4.26213E-05	7.8738E-05	8.94626E-05
1835	8.02791E-05	8.46462E-05	2.75226E-05	7.66096E-05	9.63841E-05	8.0968E-05	8.4873E-05	4.13616E-05	7.66096E-05	9.02232E-05
1836	7.82362E-05	8.25107E-05	2.65989E-05	7.42914E-05	9.03652E-05	7.87823E-05	8.26201E-05	3.98581E-05	7.42914E-05	8.50683E-05
1837	7.73979E-05	8.16274E-05	2.63033E-05	7.33453E-05	9.0803E-05	7.78752E-05	8.16782E-05	3.9305E-05	7.33453E-05	8.55127E-05
1838	7.55802E-05	7.97184E-05	2.5589E-05	7.24451E-05	9.00232E-05	7.64138E-05	8.01064E-05	3.89618E-05	7.24451E-05	8.4726E-05
1839	7.66848E-05	8.08891E-05	2.58954E-05	7.4284E-05	9.41593E-05	7.78756E-05	8.16003E-05	4.00986E-05	7.4284E-05	8.79778E-05
1840	8.07617E-05	8.51889E-05	2.72796E-05	7.84513E-05	9.06074E-05	8.21083E-05	8.60226E-05	4.24078E-05	7.84513E-05	8.43854E-05
1841	8.75476E-05	9.23696E-05	2.92963E-05	8.47348E-05	8.71265E-05	8.89157E-05	9.31934E-05	4.55305E-05	8.47348E-05	8.08643E-05
1842	9.7893E-05	0.000103202	3.37598E-05	9.28405E-05	8.50435E-05	9.84555E-05	0.000103221	5.01228E-05	9.28405E-05	7.87575E-05
1843	0.000108321	0.000113997	3.97532E-05	9.9751E-05	7.10576E-05	0.000107309	0.000112484	5.48277E-05	9.9751E-05	6.64935E-05
1844	0.000111635	0.000117372	4.23258E-05	0.000101398	6.00286E-05	0.000109788	0.000115055	5.6368E-05	0.000101398	5.7236E-05
1845	0.000110462	0.000116165	4.1559E-05	9.81458E-05	5.22352E-05	0.000107737	0.000112946	5.49113E-05	9.81458E-05	5.03004E-05
1846	0.000104756	0.000110273	3.81151E-05	9.17337E-05	4.67128E-05	0.000101782	0.000106766	5.12344E-05	9.17337E-05	4.56695E-05
1847	9.51685E-05	0.000100273	3.35021E-05	8.47931E-05	4.51893E-05	9.32571E-05	9.78092E-05	4.70881E-05	8.47931E-05	4.41323E-05
1848	8.64543E-05	9.12451E-05	2.85789E-05	7.94708E-05	4.44154E-05	8.60402E-05	9.02272E-05	4.35745E-05	7.94708E-05	4.3353E-05
1849	7.49019E-05	7.91883E-05	2.31196E-05	7.11302E-05	4.43767E-05	7.57629E-05	7.94204E-05	3.86671E-05	7.11302E-05	4.33248E-05
1850	7.29945E-05	7.72575E-05	2.14962E-05	7.08103E-05	4.4644E-05	7.46269E-05	7.82211E-05	3.8174E-05	7.08103E-05	4.35994E-05
1851	7.33437E-05	7.76599E-05	2.12019E-05	7.20351E-05	4.58485E-05	7.54233E-05	7.90381E-05	3.87611E-05	7.20351E-05	4.48257E-05
1852	7.71401E-05	8.169E-05	2.21754E-05	7.65347E-05	4.86787E-05	7.96773E-05	8.34736E-05	4.1174E-05	7.65347E-05	4.76961E-05
1853	8.40047E-05	8.89282E-05	2.45265E-05	8.36484E-05	5.24811E-05	8.68428E-05	9.09533E-05	4.51535E-05	8.36484E-05	5.15417E-05
1854	9.07653E-05	9.60329E-05	2.71307E-05	8.98183E-05	5.35828E-05	9.34981E-05	9.7923E-05	4.86196E-05	8.98183E-05	5.26303E-05
1855	9.17583E-05	9.69427E-05	2.91287E-05	9.13736E-05	9.51741E-05	9.45208E-05	9.89394E-05	4.97062E-05	9.13736E-05	8.90705E-05
1856	8.69552E-05	9.17736E-05	2.8747E-05	8.70336E-05	9.41634E-05	8.95994E-05	9.37761E-05	4.7238E-05	8.70336E-05	8.80126E-05
1857	8.30396E-05	8.76093E-05	2.78357E-05	8.17142E-05	9.5121E-05	8.49067E-05	8.89124E-05	4.42801E-05	8.17142E-05	8.89648E-05
1858	8.13038E-05	8.57471E-05	2.76277E-05	7.8738E-05	9.56266E-05	8.2532E-05	8.64671E-05	4.26213E-05	7.8738E-05	8.94626E-05
1859	8.02791E-05	8.46462E-05	2.75226E-05	7.66096E-05	9.63841E-05	8.0968E-05	8.4873E-05	4.13616E-05	7.66096E-05	9.02232E-05
1860	7.82362E-05	8.25107E-05	2.65989E-05	7.42914E-05	9.03652E-05	7.87823E-05	8.26201E-05	3.98581E-05	7.42914E-05	8.50683E-05
1861	7.73979E-05	8.16274E-05	2.63033E-05	7.33453E-05	9.0803E-05	7.78752E-05	8.16782E-05	3.9305E-05	7.33453E-05	8.55127E-05
1862	7.55802E-05	7.97184E-05	2.5589E-05	7.24451E-05	9.00232E-05	7.64138E-05	8.01064E-05	3.89618E-05	7.24451E-05	8.4726E-05
1863	7.66848E-05	8.08891E-05	2.58954E-05	7.4284E-05	9.41593E-05	7.78756E-05	8.16003E-05	4.00986E-05	7.4284E-05	8.79778E-05
1864	8.07617E-05	8.51889E-05	2.72796E-05	7.84513E-05	9.06074E-05	8.21083E-05	8.60226E-05	4.24078E-05	7.84513E-05	8.43854E-05
1865	8.75476E-05	9.23696E-05	2.92963E-05	8.47348E-05	8.71265E-05	8.89157E-05	9.31934E-05	4.55305E-05	8.47348E-05	8.08643E-05
1866	9.7893E-05	0.000103202	3.37598E-05	9.28405E-05	8.50435E-05	9.84555E-05	0.000103221	5.01228E-05	9.28405E-05	7.87575E-05
1867	0.000108321	0.000113997	3.97532E-05	9.9751E-05	7.10576E-05	0.000107309	0.000112484	5.48277E-05	9.9751E-05	6.64935E-05
1868	0.000111635	0.000117372	4.23258E-05	0.000101398	6.00286E-05	0.000109788	0.000115055	5.6368E-05	0.000101398	5.7236E-05
1869	0.000110462	0.000116165	4.1559E-05	9.81458E-05	5.22352E-05	0.000107737	0.000112946	5.49113E-05	9.81458E-05	5.03004E-05
1870	0.000104756	0.000110273	3.81151E-05	9.17337E-05	4.67128E-05	0.000101782	0.000106766	5.12344E-05	9.17337E-05	4.56695E-05
1871	9.51685E-05	0.000100273	3.35021E-05	8.47931E-05	4.51893E-05	9.32571E-05	9.78092E-05	4.70881E-05	8.47931E-05	4.41323E-05
1872	8.64543E-05	9.12451E-05	2.85789E-05	7.94708E-05	4.44154E-05	8.60402E-05	9.02272E-05	4.35745E-05	7.94708E-05	4.3353E-05
1873	7.48619E-05	7.91461E-05	2.31068E-05	7.10799E-05	4.42814E-05	7.57172E-05	7.93732E-05	3.86375E-05	7.10799E-05	4.32307E-05
1874	7.33107E-05	7.75916E-05	2.15957E-05	7.12015E-05	4.46036E-05	7.49856E-05	7.85927E-05	3.84011E-05	7.12015E-05	4.35597E-05
1875	7.36747E-05	7.80098E-05	2.13046E-05	7.24394E-05	4.58368E-05	7.57966E-05	7.94253E-05	3.89937E-05	7.24394E-05	4.48156E-05
1876	7.75002E-05	8.20709E-05	2.22844E-05	7.69643E-05	4.8652E-05	8.00795E-05	8.38915E-05	4.14171E-05	7.69643E-05	4.76712E-05
1877	8.44169E-05	8.93641E-05	2.4653E-05	8.41464E-05	5.24499E-05	8.73057E-05	9.14338E-05	4.54379E-05	8.41464E-05	5.15122E-05
1878	9.10943E-05	9.63807E-05	2.72319E-05	9.02166E-05	5.35412E-05	9.38678E-05	9.83068E-05	4.88474E-05	9.02166E-05	5.25903E-05
1879	9.36078E-05	9.89298E-05	2.93149E-05	9.20099E-05	5.51392E-05	9.59646E-05	0.000100491	5.00587E-05	9.20099E-05	8.90371E-05
1880	8.74422E-05	9.22883E-05	2.88996E-05	8.76332E-05	9.41322E-05	9.01506E-05	9.43475E-05	4.7585E-05	8.76332E-05	8.79826E-05
1881	8.35966E-05	8.81975E-05	2.80155E-05	8.24198E-05	9.51106E-05	8.55448E-05	8.95724E-05	4.46965E-05	8.24198E-05	8.89556E-05
1882	8.1854E-05	8.63285E-05	2.78004E-05	7.94168E-05	9.56266E-05	8.31553E-05	8.7113E-05	4.30148E-05	7.94168E-05	8.94638E-05
1883	8.07531E-05	8.5147E-05	2.76722E-05	7.71976E-05	9.63796E-05	8.15062E-05	8.54306E-05	4.17037E-05	7.71976E-05	9.02198E-05
1884	7.86837E-05	8.29833E-05	2.67424E-05	7.4855E-05	9.03592E-05	7.92937E-05	8.31493E-05	4.01894E-05	7.4855E-05	8.50634E-05
1885	7.7914E-05	8.21732E-05	2.64622E-05	7.39704E-05	9.08233E-05	7.84554E-05	8.22803E-05	3.96626E-05	7.39704E-05	8.55342E-05
1886	7.6003E-05	8.01657E-05	2.57158E-05	7.2945E-05	9.00751E-05	7.68843E-05	8.05957E-05	3.92428E-05	7.2945E-05	8.47791E-05
1887	7.70165E-05	8.12395E-05	2.60014E-05	7.47002E-05	9.41999E-05	7.82541E-05	8.1992E-05	4.03426E-05	7.47002E-05	8.80196E-05
1888	8.11043E-05	8.555E-05	2.73981E-05	7.89146E-05	9.06195E-05	8.25122E-05	8.64383E-05	4.26928E-05	7.89146E-05	8.43984E-05
1889	8.79344E-05	9.27774E-05	2.94297E-05	8.52565E-05	8.71241E-05	8.93712E-05	9.36623E-05	4.58507E-05	8.52565E-05	8.08628E-05
1890	9.83106E-05	0.000103642	3.39023E-05	9.3398E-05	8.50384E-05	9.8945E-05	0.000103725	5.0463E-05	9.3398E-05	7.87531E-05
1891	0.000108755	0.000114455	3.98961E-05	0.000100311	7.1051E-05	0.00010781	0.000113001	5.51627E-05	0.000100311	6.64876E-05

1892	0.000112143	0.000117908	4.24944E-05	0.000102058	6.00126E-05	0.000110377	0.000115663	5.67646E-05	0.000102058	5.72212E-05
1893	0.000109594	0.000115215	4.16953E-05	9.87744E-05	5.22036E-05	0.000107427	0.000112565	5.53134E-05	9.87744E-05	5.02705E-05
1894	0.000105439	0.000110994	3.83365E-05	9.26025E-05	4.66663E-05	0.000102566	0.000107577	5.17484E-05	9.26025E-05	4.56247E-05
1895	9.60103E-05	0.000101163	3.37601E-05	8.58085E-05	4.5137E-05	9.42017E-05	9.87899E-05	4.76673E-05	8.58085E-05	4.40817E-05
1896	8.68754E-05	9.16899E-05	2.87139E-05	8.0001E-05	4.42651E-05	8.65213E-05	9.07251E-05	4.38861E-05	8.0001E-05	4.32041E-05
1897	7.48619E-05	7.91461E-05	2.31068E-05	7.10799E-05	4.42814E-05	7.57172E-05	7.93732E-05	3.86375E-05	7.10799E-05	4.32307E-05
1898	7.33107E-05	7.75916E-05	2.15957E-05	7.12015E-05	4.46036E-05	7.49856E-05	7.85927E-05	3.84011E-05	7.12015E-05	4.35597E-05
1899	7.36747E-05	7.80098E-05	2.13046E-05	7.24394E-05	4.58368E-05	7.57966E-05	7.94253E-05	3.89937E-05	7.24394E-05	4.48156E-05
1900	7.75002E-05	8.20709E-05	2.22844E-05	7.69643E-05	4.8652E-05	8.00795E-05	8.38915E-05	4.14171E-05	7.69643E-05	4.76712E-05
1901	8.44169E-05	8.93641E-05	2.4653E-05	8.41464E-05	5.24499E-05	8.73057E-05	9.14338E-05	4.54379E-05	8.41464E-05	5.15122E-05
1902	9.10943E-05	9.63807E-05	2.72319E-05	9.02166E-05	5.35412E-05	9.38678E-05	9.83068E-05	4.88474E-05	9.02166E-05	5.25903E-05
1903	9.36078E-05	9.89298E-05	2.93149E-05	9.20099E-05	5.51392E-05	9.59646E-05	0.000100491	5.00587E-05	9.20099E-05	8.90371E-05
1904	8.74422E-05	9.22883E-05	2.88996E-05	8.76332E-05	9.41322E-05	9.01506E-05	9.43475E-05	4.7585E-05	8.76332E-05	8.79826E-05
1905	8.35966E-05	8.81975E-05	2.80155E-05	8.24198E-05	9.51106E-05	8.55448E-05	8.95724E-05	4.46965E-05	8.24198E-05	8.89556E-05
1906	8.1854E-05	8.63285E-05	2.78004E-05	7.94168E-05	9.56266E-05	8.31553E-05	8.7113E-05	4.30148E-05	7.94168E-05	8.94638E-05
1907	8.07531E-05	8.5147E-05	2.76722E-05	7.71976E-05	9.63796E-05	8.15062E-05	8.54306E-05	4.17037E-05	7.71976E-05	9.02198E-05
1908	7.86837E-05	8.29833E-05	2.67424E-05	7.4855E-05	9.03592E-05	7.92937E-05	8.31493E-05	4.01894E-05	7.4855E-05	8.50634E-05
1909	7.7914E-05	8.21732E-05	2.64622E-05	7.39704E-05	9.08233E-05	7.84554E-05	8.22803E-05	3.96626E-05	7.39704E-05	8.55342E-05
1910	7.6003E-05	8.01657E-05	2.57158E-05	7.2945E-05	9.00751E-05	7.68843E-05	8.05957E-05	3.92428E-05	7.2945E-05	8.47791E-05
1911	7.70165E-05	8.12395E-05	2.60014E-05	7.47002E-05	9.41999E-05	7.82541E-05	8.1992E-05	4.03426E-05	7.47002E-05	8.80196E-05
1912	8.11043E-05	8.555E-05	2.73981E-05	7.89146E-05	9.06195E-05	8.25122E-05	8.64383E-05	4.26928E-05	7.89146E-05	8.43984E-05
1913	8.79344E-05	9.27774E-05	2.94297E-05	8.52565E-05	8.71241E-05	8.93712E-05	9.36623E-05	4.58507E-05	8.52565E-05	8.08628E-05
1914	9.83106E-05	0.000103642	3.39023E-05	9.3398E-05	8.50384E-05	9.8945E-05	0.000103725	5.0463E-05	9.3398E-05	7.87531E-05
1915	0.000108755	0.000114455	3.98961E-05	0.000100311	7.1051E-05	0.00010781	0.000113001	5.51627E-05	0.000100311	6.64876E-05
1916	0.000112143	0.000117908	4.24944E-05	0.000102058	6.00126E-05	0.000110377	0.000115663	5.67646E-05	0.000102058	5.72212E-05
1917	0.000109594	0.000115215	4.16953E-05	9.87744E-05	5.22036E-05	0.000107427	0.000112565	5.53134E-05	9.87744E-05	5.02705E-05
1918	0.000105439	0.000110994	3.83365E-05	9.26025E-05	4.66663E-05	0.000102566	0.000107577	5.17484E-05	9.26025E-05	4.56247E-05
1919	9.60103E-05	0.000101163	3.37601E-05	8.58085E-05	4.5137E-05	9.42017E-05	9.87899E-05	4.76673E-05	8.58085E-05	4.40817E-05
1920	8.68754E-05	9.16899E-05	2.87139E-05	8.0001E-05	4.42651E-05	8.65213E-05	9.07251E-05	4.38861E-05	8.0001E-05	4.32041E-05
1921	7.49019E-05	7.91883E-05	2.31196E-05	7.11302E-05	4.43767E-05	7.57629E-05	7.94204E-05	3.86671E-05	7.11302E-05	4.33248E-05
1922	7.29945E-05	7.72575E-05	2.14962E-05	7.08103E-05	4.4644E-05	7.46269E-05	7.82211E-05	3.8174E-05	7.08103E-05	4.35994E-05
1923	7.33437E-05	7.76599E-05	2.12019E-05	7.20351E-05	4.58485E-05	7.54233E-05	7.90381E-05	3.87611E-05	7.20351E-05	4.48257E-05
1924	7.71401E-05	8.169E-05	2.21754E-05	7.65347E-05	4.86787E-05	7.96773E-05	8.34736E-05	4.1174E-05	7.65347E-05	4.76961E-05
1925	8.40047E-05	8.89282E-05	2.45265E-05	8.36484E-05	5.24811E-05	8.68428E-05	9.09533E-05	4.51535E-05	8.36484E-05	5.15417E-05
1926	9.07653E-05	9.60329E-05	2.71307E-05	8.98183E-05	5.35828E-05	9.34981E-05	9.7923E-05	4.86196E-05	8.98183E-05	5.26303E-05
1927	9.17583E-05	9.69427E-05	2.91287E-05	9.13736E-05	9.51741E-05	9.45208E-05	9.89394E-05	4.97062E-05	9.13736E-05	8.90705E-05
1928	8.69552E-05	9.17736E-05	2.8747E-05	8.70336E-05	9.41634E-05	8.95994E-05	9.37761E-05	4.7238E-05	8.70336E-05	8.80126E-05
1929	8.30396E-05	8.76093E-05	2.78357E-05	8.17142E-05	9.5121E-05	8.49067E-05	8.89124E-05	4.42801E-05	8.17142E-05	8.89648E-05
1930	8.13038E-05	8.57471E-05	2.76277E-05	7.8738E-05	9.56266E-05	8.2532E-05	8.64671E-05	4.26213E-05	7.8738E-05	8.94626E-05
1931	8.02791E-05	8.46462E-05	2.75226E-05	7.66096E-05	9.63841E-05	8.0968E-05	8.4873E-05	4.13616E-05	7.66096E-05	9.02232E-05
1932	7.82362E-05	8.25107E-05	2.65989E-05	7.42914E-05	9.03652E-05	7.87823E-05	8.26201E-05	3.98581E-05	7.42914E-05	8.50683E-05
1933	7.73979E-05	8.16274E-05	2.63033E-05	7.33453E-05	9.0803E-05	7.78752E-05	8.16782E-05	3.9305E-05	7.33453E-05	8.55127E-05
1934	7.55802E-05	7.97184E-05	2.5589E-05	7.24451E-05	9.00232E-05	7.64138E-05	8.01064E-05	3.89618E-05	7.24451E-05	8.4726E-05
1935	7.66848E-05	8.08891E-05	2.58954E-05	7.4284E-05	9.41593E-05	7.78756E-05	8.16003E-05	4.00986E-05	7.4284E-05	8.79778E-05
1936	8.07617E-05	8.51889E-05	2.72796E-05	7.84513E-05	9.06074E-05	8.21083E-05	8.60226E-05	4.24078E-05	7.84513E-05	8.43854E-05
1937	8.75476E-05	9.23696E-05	2.92963E-05	8.47348E-05	8.71265E-05	8.89157E-05	9.31934E-05	4.55305E-05	8.47348E-05	8.08643E-05
1938	9.7893E-05	0.000103202	3.37598E-05	9.28405E-05	8.50435E-05	9.84555E-05	0.000103221	5.01228E-05	9.28405E-05	7.87575E-05
1939	0.000108321	0.000113997	3.97532E-05	9.9751E-05	7.10576E-05	0.000107309	0.000112484	5.48277E-05	9.9751E-05	6.64935E-05
1940	0.000111635	0.000117372	4.23258E-05	0.000101398	6.00286E-05	0.000109788	0.000115055	5.6368E-05	0.000101398	5.7236E-05
1941	0.000110462	0.000116165	4.1559E-05	9.81458E-05	5.22352E-05	0.000107737	0.000112946	5.49113E-05	9.81458E-05	5.03004E-05
1942	0.000104756	0.000110273	3.81151E-05	9.17337E-05	4.67128E-05	0.000101782	0.000106766	5.12344E-05	9.17337E-05	4.56695E-05
1943	9.51685E-05	0.000100273	3.35021E-05	8.47931E-05	4.51893E-05	9.32571E-05	9.78092E-05	4.70881E-05	8.47931E-05	4.41323E-05
1944	8.64543E-05	9.12451E-05	2.85789E-05	7.94708E-05	4.44154E-05	8.60402E-05	9.02272E-05	4.35745E-05	7.94708E-05	4.3353E-05
1945	7.49019E-05	7.91883E-05	2.31196E-05	7.11302E-05	4.43767E-05	7.57629E-05	7.94204E-05	3.86671E-05	7.11302E-05	4.33248E-05
1946	7.29945E-05	7.72575E-05	2.14962E-05	7.08103E-05	4.4644E-05	7.46269E-05	7.82211E-05	3.8174E-05	7.08103E-05	4.35994E-05
1947	7.33437E-05	7.76599E-05	2.12019E-05	7.20351E-05	4.58485E-05	7.54233E-05	7.90381E-05	3.87611E-05	7.20351E-05	4.48257E-05
1948	7.71401E-05	8.169E-05	2.21754E-05	7.65347E-05	4.86787E-05	7.96773E-05	8.34736E-05	4.1174E-05	7.65347E-05	4.76961E-05
1949	8.40047E-05	8.89282E-05	2.45265E-05	8.36484E-05	5.24811E-05	8.68428E-05	9.09533E-05	4.51535E-05	8.36484E-05	5.15417E-05
1950	9.07653E-05	9.60329E-05	2.71307E-05	8.98183E-05	5.35828E-05	9.34981E-05	9.7923E-05	4.86196E-05	8.98183E-05	5.26303E-05
1951	9.17583E-05	9.69427E-05	2.91287E-05	9.13736E-05	9.51741E-05	9.45208E-05	9.89394E-05	4.97062E-05	9.13736E-05	8.90705E-05
1952	8.69552E-05	9.17736E-05	2.8747E-05	8.70336E-05	9.41634E-05	8.95994E-05	9.37761E-05	4.7238E-05	8.70336E-05	8.80126E-05
1953	8.30396E-05	8.76093E-05	2.78357E-05	8.17142E-05	9.5121E-05	8.49067E-05	8.89124E-05	4.42801E-05	8.17142E-05	8.89648E-05
1954	8.13038E-05	8.57471E-05	2.76277E-05	7.8738E-05	9.56266E-05	8.2532E-05	8.64671E-05	4.26213E-05	7.8738E-05	8.94626E-05
1955	8.02791E-05	8.46462E-05	2.75226E-05	7.66096E-05	9.63841E-05	8.0968E-05	8.4873E-05	4.13616E-05	7.66096E-05	9.02232E-05
1956	7.82362E-05	8.25107E-05	2.65989E-05	7.42914E-05	9.03652E-05	7.87823E-05	8.26201E-05	3.98581E-05	7.42914E-05	8.50683E-05
1957	7.73979E-05	8.16274E-05	2.63033E-05	7.33453E-05	9.0803E-05	7.78752E-05	8.16782E-05	3.9305E-05	7.33453E-05	8.55127E-05
1958	7.55802E-05	7.97184E-05	2.5589E-05	7.24451E-05	9.00232E-05	7.64138E-05	8.01064E-05	3.89618E-05	7.24451E-05	8.4726E-05
1959	7.66848E-05	8.08891E-05	2.58954E-05	7.4284E-05	9.41593E-05	7.78756E-05	8.16003E-05	4.00986E-05	7.4284E-05	8.79778E-05
1960	8.07617E-05	8.51889E-05	2.72796E-05	7.84513E-05	9.06074E-05	8.21083E-05	8.60226E-05	4.24078E-05	7.84513E-05	8.43854E-05
1961	8.75476E-05	9.23696E-05	2.92963E-05	8.47348E-05	8.71265E-05	8.89157E-05	9.31934E-05	4.55305E-05	8.47348E-05	8.08643E-05
1962	9.7893E-05	0.000103202	3.37598E-05	9.28405E-05	8.50435E-05	9.84555E-05	0.000103221	5.01228E-05	9.28405E-05	7.87575E-05
1963	0.000108321	0.000113997	3.97532E-05	9.9751E-05	7.10576E-05	0.000107309	0.000112484	5.48277E-05	9.9751E-05	6.64935E-05
1964	0.000111635	0.000117372	4.23258E-05	0.000101398	6.00286E-05	0.000109788	0.000115055	5.6368E-05	0.000101398	5.7236E-05
1965	0.000110462	0.000116165	4.1559E-05	9.81458E-05	5.22352E-05	0.000107737	0.000112946	5.49113E-05	9.81458E-05	5.03004E-05
1966	0.000104756	0.000110273	3.81151E-05	9.17337E-05	4.67128E-05	0.000101782	0.000106766	5.12344E-05	9.17337E-05	4.56695E-05
1967	9.51685E-05	0.000100273	3.35021E-05	8.47931E-05	4.51893E-05	9.32571E-05	9.78092E-05	4.70881E-05	8.47931E-05	4.41323E-05

1968	8.64543E-05	9.12451E-05	2.85789E-05	7.94708E-05	4.44154E-05	8.60402E-05	9.02272E-05	4.35745E-05	7.94708E-05	4.3353E-05
1969	7.49019E-05	7.91883E-05	2.31196E-05	7.11302E-05	4.43767E-05	7.57629E-05	7.94204E-05	3.86671E-05	7.11302E-05	4.33248E-05
1970	7.29945E-05	7.72575E-05	2.14962E-05	7.08103E-05	4.4644E-05	7.46269E-05	7.82211E-05	3.8174E-05	7.08103E-05	4.35994E-05
1971	7.33437E-05	7.76599E-05	2.12019E-05	7.20351E-05	4.58485E-05	7.54233E-05	7.90381E-05	3.87611E-05	7.20351E-05	4.48257E-05
1972	7.71401E-05	8.169E-05	2.21754E-05	7.65347E-05	4.86787E-05	7.96773E-05	8.34736E-05	4.1174E-05	7.65347E-05	4.76961E-05
1973	8.40047E-05	8.89282E-05	2.45265E-05	8.36484E-05	5.24811E-05	8.68428E-05	9.09533E-05	4.51535E-05	8.36484E-05	5.15417E-05
1974	9.07653E-05	9.60329E-05	2.71307E-05	8.98183E-05	5.35828E-05	9.34981E-05	9.7923E-05	4.86196E-05	8.98183E-05	5.26303E-05
1975	9.17583E-05	9.69427E-05	2.91287E-05	9.13736E-05	9.51741E-05	9.45208E-05	9.89394E-05	4.97062E-05	9.13736E-05	8.90705E-05
1976	8.69552E-05	9.17736E-05	2.8747E-05	8.70336E-05	9.41634E-05	8.95994E-05	9.37761E-05	4.7238E-05	8.70336E-05	8.80126E-05
1977	8.30396E-05	8.76093E-05	2.78357E-05	8.17142E-05	9.5121E-05	8.49067E-05	8.89124E-05	4.42801E-05	8.17142E-05	8.89648E-05
1978	8.13038E-05	8.57471E-05	2.76277E-05	7.8738E-05	9.56266E-05	8.2532E-05	8.64671E-05	4.26213E-05	7.8738E-05	8.94626E-05
1979	8.02791E-05	8.46462E-05	2.75226E-05	7.66096E-05	9.63841E-05	8.0968E-05	8.4873E-05	4.13616E-05	7.66096E-05	9.02232E-05
1980	7.82362E-05	8.25107E-05	2.65989E-05	7.42914E-05	9.03652E-05	7.87823E-05	8.26201E-05	3.98581E-05	7.42914E-05	8.50683E-05
1981	7.73979E-05	8.16274E-05	2.63033E-05	7.33453E-05	9.0803E-05	7.78752E-05	8.16782E-05	3.9305E-05	7.33453E-05	8.55127E-05
1982	7.55802E-05	7.97184E-05	2.5589E-05	7.24451E-05	9.00232E-05	7.64138E-05	8.01064E-05	3.89618E-05	7.24451E-05	8.4726E-05
1983	7.66848E-05	8.08891E-05	2.58954E-05	7.4284E-05	9.41593E-05	7.78756E-05	8.16003E-05	4.00986E-05	7.4284E-05	8.79778E-05
1984	8.07617E-05	8.51889E-05	2.72796E-05	7.84513E-05	9.06074E-05	8.21083E-05	8.60226E-05	4.24078E-05	7.84513E-05	8.43854E-05
1985	8.75476E-05	9.23696E-05	2.92963E-05	8.47348E-05	8.71265E-05	8.89157E-05	9.31934E-05	4.55305E-05	8.47348E-05	8.08643E-05
1986	9.7893E-05	0.000103202	3.37598E-05	9.28405E-05	8.50435E-05	9.84555E-05	0.000103221	5.01228E-05	9.28405E-05	7.87575E-05
1987	0.000108321	0.000113997	3.97532E-05	9.9751E-05	7.10576E-05	0.000107309	0.000112484	5.48277E-05	9.9751E-05	6.64935E-05
1988	0.000111635	0.000117372	4.23258E-05	0.000101398	6.00286E-05	0.000109788	0.000115055	5.6368E-05	0.000101398	5.7236E-05
1989	0.000110462	0.000116165	4.1559E-05	9.81458E-05	5.22352E-05	0.000107737	0.000112946	5.49113E-05	9.81458E-05	5.03004E-05
1990	0.000104756	0.000110273	3.81151E-05	9.17337E-05	4.67128E-05	0.000101782	0.000106766	5.12344E-05	9.17337E-05	4.56695E-05
1991	9.51685E-05	0.000100273	3.35021E-05	8.47931E-05	4.51893E-05	9.32571E-05	9.78092E-05	4.70881E-05	8.47931E-05	4.41323E-05
1992	8.64543E-05	9.12451E-05	2.85789E-05	7.94708E-05	4.44154E-05	8.60402E-05	9.02272E-05	4.35745E-05	7.94708E-05	4.3353E-05
1993	7.49019E-05	7.91883E-05	2.31196E-05	7.11302E-05	4.43767E-05	7.57629E-05	7.94204E-05	3.86671E-05	7.11302E-05	4.33248E-05
1994	7.29945E-05	7.72575E-05	2.14962E-05	7.08103E-05	4.4644E-05	7.46269E-05	7.82211E-05	3.8174E-05	7.08103E-05	4.35994E-05
1995	7.33437E-05	7.76599E-05	2.12019E-05	7.20351E-05	4.58485E-05	7.54233E-05	7.90381E-05	3.87611E-05	7.20351E-05	4.48257E-05
1996	7.71401E-05	8.169E-05	2.21754E-05	7.65347E-05	4.86787E-05	7.96773E-05	8.34736E-05	4.1174E-05	7.65347E-05	4.76961E-05
1997	8.40047E-05	8.89282E-05	2.45265E-05	8.36484E-05	5.24811E-05	8.68428E-05	9.09533E-05	4.51535E-05	8.36484E-05	5.15417E-05
1998	9.07653E-05	9.60329E-05	2.71307E-05	8.98183E-05	5.35828E-05	9.34981E-05	9.7923E-05	4.86196E-05	8.98183E-05	5.26303E-05
1999	9.17583E-05	9.69427E-05	2.91287E-05	9.13736E-05	9.51741E-05	9.45208E-05	9.89394E-05	4.97062E-05	9.13736E-05	8.90705E-05
2000	8.69552E-05	9.17736E-05	2.8747E-05	8.70336E-05	9.41634E-05	8.95994E-05	9.37761E-05	4.7238E-05	8.70336E-05	8.80126E-05
2001	8.30396E-05	8.76093E-05	2.78357E-05	8.17142E-05	9.5121E-05	8.49067E-05	8.89124E-05	4.42801E-05	8.17142E-05	8.89648E-05
2002	8.13038E-05	8.57471E-05	2.76277E-05	7.8738E-05	9.56266E-05	8.2532E-05	8.64671E-05	4.26213E-05	7.8738E-05	8.94626E-05
2003	8.02791E-05	8.46462E-05	2.75226E-05	7.66096E-05	9.63841E-05	8.0968E-05	8.4873E-05	4.13616E-05	7.66096E-05	9.02232E-05
2004	7.82362E-05	8.25107E-05	2.65989E-05	7.42914E-05	9.03652E-05	7.87823E-05	8.26201E-05	3.98581E-05	7.42914E-05	8.50683E-05
2005	7.73979E-05	8.16274E-05	2.63033E-05	7.33453E-05	9.0803E-05	7.78752E-05	8.16782E-05	3.9305E-05	7.33453E-05	8.55127E-05
2006	7.55802E-05	7.97184E-05	2.5589E-05	7.24451E-05	9.00232E-05	7.64138E-05	8.01064E-05	3.89618E-05	7.24451E-05	8.4726E-05
2007	7.66848E-05	8.08891E-05	2.58954E-05	7.4284E-05	9.41593E-05	7.78756E-05	8.16003E-05	4.00986E-05	7.4284E-05	8.79778E-05
2008	8.07617E-05	8.51889E-05	2.72796E-05	7.84513E-05	9.06074E-05	8.21083E-05	8.60226E-05	4.24078E-05	7.84513E-05	8.43854E-05
2009	8.75476E-05	9.23696E-05	2.92963E-05	8.47348E-05	8.71265E-05	8.89157E-05	9.31934E-05	4.55305E-05	8.47348E-05	8.08643E-05
2010	9.7893E-05	0.000103202	3.37598E-05	9.28405E-05	8.50435E-05	9.84555E-05	0.000103221	5.01228E-05	9.28405E-05	7.87575E-05
2011	0.000108321	0.000113997	3.97532E-05	9.9751E-05	7.10576E-05	0.000107309	0.000112484	5.48277E-05	9.9751E-05	6.64935E-05
2012	0.000111635	0.000117372	4.23258E-05	0.000101398	6.00286E-05	0.000109788	0.000115055	5.6368E-05	0.000101398	5.7236E-05
2013	0.000110462	0.000116165	4.1559E-05	9.81458E-05	5.22352E-05	0.000107737	0.000112946	5.49113E-05	9.81458E-05	5.03004E-05
2014	0.000104756	0.000110273	3.81151E-05	9.17337E-05	4.67128E-05	0.000101782	0.000106766	5.12344E-05	9.17337E-05	4.56695E-05
2015	9.51685E-05	0.000100273	3.35021E-05	8.47931E-05	4.51893E-05	9.32571E-05	9.78092E-05	4.70881E-05	8.47931E-05	4.41323E-05
2016	8.64543E-05	9.12451E-05	2.85789E-05	7.94708E-05	4.44154E-05	8.60402E-05	9.02272E-05	4.35745E-05	7.94708E-05	4.3353E-05
2017	7.49019E-05	7.91883E-05	2.31196E-05	7.11302E-05	4.43767E-05	7.57629E-05	7.94204E-05	3.86671E-05	7.11302E-05	4.33248E-05
2018	7.29945E-05	7.72575E-05	2.14962E-05	7.08103E-05	4.4644E-05	7.46269E-05	7.82211E-05	3.8174E-05	7.08103E-05	4.35994E-05
2019	7.33437E-05	7.76599E-05	2.12019E-05	7.20351E-05	4.58485E-05	7.54233E-05	7.90381E-05	3.87611E-05	7.20351E-05	4.48257E-05
2020	7.71401E-05	8.169E-05	2.21754E-05	7.65347E-05	4.86787E-05	7.96773E-05	8.34736E-05	4.1174E-05	7.65347E-05	4.76961E-05
2021	8.40047E-05	8.89282E-05	2.45265E-05	8.36484E-05	5.24811E-05	8.68428E-05	9.09533E-05	4.51535E-05	8.36484E-05	5.15417E-05
2022	9.07653E-05	9.60329E-05	2.71307E-05	8.98183E-05	5.35828E-05	9.34981E-05	9.7923E-05	4.86196E-05	8.98183E-05	5.26303E-05
2023	9.17583E-05	9.69427E-05	2.91287E-05	9.13736E-05	9.51741E-05	9.45208E-05	9.89394E-05	4.97062E-05	9.13736E-05	8.90705E-05
2024	8.69552E-05	9.17736E-05	2.8747E-05	8.70336E-05	9.41634E-05	8.95994E-05	9.37761E-05	4.7238E-05	8.70336E-05	8.80126E-05
2025	8.30396E-05	8.76093E-05	2.78357E-05	8.17142E-05	9.5121E-05	8.49067E-05	8.89124E-05	4.42801E-05	8.17142E-05	8.89648E-05
2026	8.13038E-05	8.57471E-05	2.76277E-05	7.8738E-05	9.56266E-05	8.2532E-05	8.64671E-05	4.26213E-05	7.8738E-05	8.94626E-05
2027	8.02791E-05	8.46462E-05	2.75226E-05	7.66096E-05	9.63841E-05	8.0968E-05	8.4873E-05	4.13616E-05	7.66096E-05	9.02232E-05
2028	7.82362E-05	8.25107E-05	2.65989E-05	7.42914E-05	9.03652E-05	7.87823E-05	8.26201E-05	3.98581E-05	7.42914E-05	8.50683E-05
2029	7.73979E-05	8.16274E-05	2.63033E-05	7.33453E-05	9.0803E-05	7.78752E-05	8.16782E-05	3.9305E-05	7.33453E-05	8.55127E-05
2030	7.55802E-05	7.97184E-05	2.5589E-05	7.24451E-05	9.00232E-05	7.64138E-05	8.01064E-05	3.89618E-05	7.24451E-05	8.4726E-05
2031	7.66848E-05	8.08891E-05	2.58954E-05	7.4284E-05	9.41593E-05	7.78756E-05	8.16003E-05	4.00986E-05	7.4284E-05	8.79778E-05
2032	8.07617E-05	8.51889E-05	2.72796E-05	7.84513E-05	9.06074E-05	8.21083E-05	8.60226E-05	4.24078E-05	7.84513E-05	8.43854E-05
2033	8.75476E-05	9.23696E-05	2.92963E-05	8.47348E-05	8.71265E-05	8.89157E-05	9.31934E-05	4.55305E-05	8.47348E-05	8.08643E-05
2034	9.7893E-05	0.000103202	3.37598E-05	9.28405E-05	8.50435E-05	9.84555E-05	0.000103221	5.01228E-05	9.28405E-05	7.87575E-05
2035	0.000108321	0.000113997	3.97532E-05	9.9751E-05	7.10576E-05	0.000107309	0.000112484	5.48277E-05	9.9751E-05	6.64935E-05
2036	0.000111635	0.000117372	4.23258E-05	0.000101398	6.00286E-05	0.000109788	0.000115055	5.6368E-05	0.000101398	5.7236E-05
2037	0.000110462	0.000116165	4.1559E-05	9.81458E-05	5.22352E-05	0.000107737	0.000112946	5.49113E-05	9.81458E-05	5.03004E-05
2038	0.000104756	0.000110273	3.81151E-05	9.17337E-05	4.67128E-05	0.000101782	0.000106766	5.12344E-05	9.17337E-05	4.56695E-05
2039	9.51685E-05	0.000100273	3.35021E-05	8.47931E-05	4.51893E-05	9.32571E-05	9.78092E-05	4.70881E-05	8.47931E-05	4.41323E-05
2040	8.64543E-05	9.12451E-05	2.85789E-05	7.94708E-05	4.44154E-05	8.60402E-05	9.02272E-05	4.35745E-05	7.94708E-05	4.3353E-05
2041	7.48619E-05	7.91461E-05	2.31068E-05	7.10799E-05	4.42814E-05	7.57172E-05	7.93732E-05	3.86375E-05	7.10799E-05	4.32307E-05
2042	7.33107E-05	7.75916E-05	2.15957E-05	7.12015E-05	4.46036E-05	7.49856E-05	7.85927E-05	3.84011E-05	7.12015E-05	4.35597E-05
2043	7.36747E-05	7.80098E-05	2.13046E-05	7.24394E-05	4.58368E-05	7.57966E-05	7.94253E-05	3.89937E-05	7.24394E-05	4.48156E-05

2044	7.75002E-05	8.20709E-05	2.22844E-05	7.69643E-05	4.8652E-05	8.00795E-05	8.38915E-05	4.14171E-05	7.69643E-05	4.76712E-05
2045	8.44169E-05	8.93641E-05	2.4653E-05	8.41464E-05	5.24499E-05	8.73057E-05	9.14338E-05	4.54379E-05	8.41464E-05	5.15122E-05
2046	9.10943E-05	9.63807E-05	2.72319E-05	9.02166E-05	5.35412E-05	9.38678E-05	9.83068E-05	4.88474E-05	9.02166E-05	5.25903E-05
2047	9.36078E-05	9.89298E-05	2.93149E-05	9.20099E-05	9.51392E-05	9.59646E-05	0.000100491	5.00587E-05	9.20099E-05	8.90371E-05
2048	8.74422E-05	9.22883E-05	2.88996E-05	8.76332E-05	9.41322E-05	9.01506E-05	9.43475E-05	4.7585E-05	8.76332E-05	8.79826E-05
2049	8.35966E-05	8.81975E-05	2.80155E-05	8.24198E-05	9.51106E-05	8.55448E-05	8.95724E-05	4.46965E-05	8.24198E-05	8.89556E-05
2050	8.1854E-05	8.63285E-05	2.78004E-05	7.94168E-05	9.56266E-05	8.31553E-05	8.7113E-05	4.30148E-05	7.94168E-05	8.94638E-05
2051	8.07531E-05	8.5147E-05	2.76722E-05	7.71976E-05	9.63796E-05	8.15062E-05	8.54306E-05	4.17037E-05	7.71976E-05	9.02198E-05
2052	7.86837E-05	8.29833E-05	2.67424E-05	7.4855E-05	9.03592E-05	7.92937E-05	8.31493E-05	4.01894E-05	7.4855E-05	8.50634E-05
2053	7.7914E-05	8.21732E-05	2.64622E-05	7.39704E-05	9.08233E-05	7.84554E-05	8.22803E-05	3.96626E-05	7.39704E-05	8.55342E-05
2054	7.6003E-05	8.01657E-05	2.57158E-05	7.2945E-05	9.00751E-05	7.68843E-05	8.05957E-05	3.92428E-05	7.2945E-05	8.47791E-05
2055	7.70165E-05	8.12395E-05	2.60014E-05	7.47002E-05	9.41999E-05	7.82541E-05	8.1992E-05	4.03426E-05	7.47002E-05	8.80196E-05
2056	8.11043E-05	8.555E-05	2.73981E-05	7.89146E-05	9.06195E-05	8.25122E-05	8.64383E-05	4.26928E-05	7.89146E-05	8.43984E-05
2057	8.79344E-05	9.27774E-05	2.94297E-05	8.52565E-05	8.71241E-05	8.93712E-05	9.36623E-05	4.58507E-05	8.52565E-05	8.08628E-05
2058	9.83106E-05	0.000103642	3.39023E-05	9.3398E-05	8.50384E-05	9.8945E-05	0.000103725	5.0463E-05	9.3398E-05	7.87531E-05
2059	0.000108755	0.000114455	3.98961E-05	0.000100311	7.1051E-05	0.00010781	0.000113001	5.51627E-05	0.000100311	6.64876E-05
2060	0.000112143	0.000117908	4.24944E-05	0.000102058	6.00126E-05	0.000110377	0.000115663	5.67646E-05	0.000102058	5.72212E-05
2061	0.000109594	0.000115215	4.16953E-05	9.87744E-05	5.22036E-05	0.000107427	0.000112565	5.53134E-05	9.87744E-05	5.02705E-05
2062	0.000105439	0.000110994	3.83365E-05	9.26025E-05	4.66663E-05	0.000102566	0.000107577	5.17484E-05	9.26025E-05	4.56247E-05
2063	9.60103E-05	0.000101163	3.37601E-05	8.58085E-05	4.5137E-05	9.42017E-05	9.87899E-05	4.76673E-05	8.58085E-05	4.40817E-05
2064	8.68754E-05	9.16899E-05	2.87139E-05	8.0001E-05	4.42651E-05	8.65213E-05	9.07251E-05	4.38861E-05	8.0001E-05	4.32041E-05
2065	7.48619E-05	7.91461E-05	2.31068E-05	7.10799E-05	4.42814E-05	7.57172E-05	7.93732E-05	3.86375E-05	7.10799E-05	4.32307E-05
2066	7.33107E-05	7.75916E-05	2.15957E-05	7.12015E-05	4.46036E-05	7.49856E-05	7.85927E-05	3.84011E-05	7.12015E-05	4.35597E-05
2067	7.36747E-05	7.80098E-05	2.13046E-05	7.24394E-05	4.58368E-05	7.57966E-05	7.94253E-05	3.89937E-05	7.24394E-05	4.48156E-05
2068	7.75002E-05	8.20709E-05	2.22844E-05	7.69643E-05	4.8652E-05	8.00795E-05	8.38915E-05	4.14171E-05	7.69643E-05	4.76712E-05
2069	8.44169E-05	8.93641E-05	2.4653E-05	8.41464E-05	5.24499E-05	8.73057E-05	9.14338E-05	4.54379E-05	8.41464E-05	5.15122E-05
2070	9.10943E-05	9.63807E-05	2.72319E-05	9.02166E-05	5.35412E-05	9.38678E-05	9.83068E-05	4.88474E-05	9.02166E-05	5.25903E-05
2071	9.36078E-05	9.89298E-05	2.93149E-05	9.20099E-05	9.51392E-05	9.59646E-05	0.000100491	5.00587E-05	9.20099E-05	8.90371E-05
2072	8.74422E-05	9.22883E-05	2.88996E-05	8.76332E-05	9.41322E-05	9.01506E-05	9.43475E-05	4.7585E-05	8.76332E-05	8.79826E-05
2073	8.35966E-05	8.81975E-05	2.80155E-05	8.24198E-05	9.51106E-05	8.55448E-05	8.95724E-05	4.46965E-05	8.24198E-05	8.89556E-05
2074	8.1854E-05	8.63285E-05	2.78004E-05	7.94168E-05	9.56266E-05	8.31553E-05	8.7113E-05	4.30148E-05	7.94168E-05	8.94638E-05
2075	8.07531E-05	8.5147E-05	2.76722E-05	7.71976E-05	9.63796E-05	8.15062E-05	8.54306E-05	4.17037E-05	7.71976E-05	9.02198E-05
2076	7.86837E-05	8.29833E-05	2.67424E-05	7.4855E-05	9.03592E-05	7.92937E-05	8.31493E-05	4.01894E-05	7.4855E-05	8.50634E-05
2077	7.7914E-05	8.21732E-05	2.64622E-05	7.39704E-05	9.08233E-05	7.84554E-05	8.22803E-05	3.96626E-05	7.39704E-05	8.55342E-05
2078	7.6003E-05	8.01657E-05	2.57158E-05	7.2945E-05	9.00751E-05	7.68843E-05	8.05957E-05	3.92428E-05	7.2945E-05	8.47791E-05
2079	7.70165E-05	8.12395E-05	2.60014E-05	7.47002E-05	9.41999E-05	7.82541E-05	8.1992E-05	4.03426E-05	7.47002E-05	8.80196E-05
2080	8.11043E-05	8.555E-05	2.73981E-05	7.89146E-05	9.06195E-05	8.25122E-05	8.64383E-05	4.26928E-05	7.89146E-05	8.43984E-05
2081	8.79344E-05	9.27774E-05	2.94297E-05	8.52565E-05	8.71241E-05	8.93712E-05	9.36623E-05	4.58507E-05	8.52565E-05	8.08628E-05
2082	9.83106E-05	0.000103642	3.39023E-05	9.3398E-05	8.50384E-05	9.8945E-05	0.000103725	5.0463E-05	9.3398E-05	7.87531E-05
2083	0.000108755	0.000114455	3.98961E-05	0.000100311	7.1051E-05	0.00010781	0.000113001	5.51627E-05	0.000100311	6.64876E-05
2084	0.000112143	0.000117908	4.24944E-05	0.000102058	6.00126E-05	0.000110377	0.000115663	5.67646E-05	0.000102058	5.72212E-05
2085	0.000109594	0.000115215	4.16953E-05	9.87744E-05	5.22036E-05	0.000107427	0.000112565	5.53134E-05	9.87744E-05	5.02705E-05
2086	0.000105439	0.000110994	3.83365E-05	9.26025E-05	4.66663E-05	0.000102566	0.000107577	5.17484E-05	9.26025E-05	4.56247E-05
2087	9.60103E-05	0.000101163	3.37601E-05	8.58085E-05	4.5137E-05	9.42017E-05	9.87899E-05	4.76673E-05	8.58085E-05	4.40817E-05
2088	8.68754E-05	9.16899E-05	2.87139E-05	8.0001E-05	4.42651E-05	8.65213E-05	9.07251E-05	4.38861E-05	8.0001E-05	4.32041E-05
2089	7.49019E-05	7.91883E-05	2.31196E-05	7.11302E-05	4.43767E-05	7.57629E-05	7.94204E-05	3.86671E-05	7.11302E-05	4.33248E-05
2090	7.29945E-05	7.72575E-05	2.14962E-05	7.08103E-05	4.4644E-05	7.46269E-05	7.82211E-05	3.8174E-05	7.08103E-05	4.35994E-05
2091	7.33437E-05	7.76599E-05	2.12019E-05	7.20351E-05	4.58485E-05	7.54233E-05	7.90381E-05	3.87611E-05	7.20351E-05	4.48257E-05
2092	7.71401E-05	8.169E-05	2.21754E-05	7.65347E-05	4.86787E-05	7.96773E-05	8.34736E-05	4.1174E-05	7.65347E-05	4.76961E-05
2093	8.40047E-05	8.89282E-05	2.45265E-05	8.36484E-05	5.24811E-05	8.68428E-05	9.09533E-05	4.51535E-05	8.36484E-05	5.15417E-05
2094	9.07653E-05	9.60329E-05	2.71307E-05	8.98183E-05	5.35828E-05	9.34981E-05	9.7923E-05	4.86196E-05	8.98183E-05	5.26303E-05
2095	9.17583E-05	9.69427E-05	2.91287E-05	9.13736E-05	9.51741E-05	9.45208E-05	9.89394E-05	4.97062E-05	9.13736E-05	8.90705E-05
2096	8.69552E-05	9.17736E-05	2.8747E-05	8.70336E-05	9.41634E-05	8.95994E-05	9.37761E-05	4.7238E-05	8.70336E-05	8.80126E-05
2097	8.30396E-05	8.76093E-05	2.78357E-05	8.17142E-05	9.5121E-05	8.49067E-05	8.89124E-05	4.42801E-05	8.17142E-05	8.89648E-05
2098	8.13038E-05	8.57471E-05	2.76277E-05	7.8738E-05	9.56266E-05	8.2532E-05	8.64671E-05	4.26213E-05	7.8738E-05	8.94626E-05
2099	8.02791E-05	8.46462E-05	2.75226E-05	7.66096E-05	9.63841E-05	8.0968E-05	8.4873E-05	4.13616E-05	7.66096E-05	9.02232E-05
2100	7.82362E-05	8.25107E-05	2.65989E-05	7.42914E-05	9.03652E-05	7.87823E-05	8.26201E-05	3.98581E-05	7.42914E-05	8.50683E-05
2101	7.73979E-05	8.16274E-05	2.63033E-05	7.33453E-05	9.0803E-05	7.78752E-05	8.16782E-05	3.9305E-05	7.33453E-05	8.55127E-05
2102	7.55802E-05	7.97184E-05	2.5589E-05	7.24451E-05	9.00232E-05	7.64138E-05	8.01064E-05	3.89618E-05	7.24451E-05	8.4726E-05
2103	7.66848E-05	8.08891E-05	2.58954E-05	7.4284E-05	9.41593E-05	7.78756E-05	8.16003E-05	4.00986E-05	7.4284E-05	8.79778E-05
2104	8.07617E-05	8.51889E-05	2.72796E-05	7.84513E-05	9.06074E-05	8.21083E-05	8.60226E-05	4.24078E-05	7.84513E-05	8.43854E-05
2105	8.75476E-05	9.23696E-05	2.92963E-05	8.47348E-05	8.71265E-05	8.89157E-05	9.31934E-05	4.55305E-05	8.47348E-05	8.08643E-05
2106	9.7893E-05	0.000103202	3.37598E-05	9.28405E-05	8.50435E-05	9.84555E-05	0.000103221	5.01228E-05	9.28405E-05	7.87575E-05
2107	0.000108321	0.000113997	3.97532E-05	9.9751E-05	7.10576E-05	0.000107309	0.000112484	5.48277E-05	9.9751E-05	6.64935E-05
2108	0.000111635	0.000117372	4.23258E-05	0.000101398	6.00286E-05	0.000109788	0.000115055	5.6368E-05	0.000101398	5.7236E-05
2109	0.000110462	0.000116165	4.1559E-05	9.81458E-05	5.22352E-05	0.000107737	0.000112946	5.49113E-05	9.81458E-05	5.03004E-05
2110	0.000104756	0.000110273	3.81151E-05	9.17337E-05	4.67128E-05	0.000101782	0.000106766	5.12344E-05	9.17337E-05	4.56695E-05
2111	9.51685E-05	0.000100273	3.35021E-05	8.47931E-05	4.51893E-05	9.32571E-05	9.78092E-05	4.70881E-05	8.47931E-05	4.41323E-05
2112	8.64543E-05	9.12451E-05	2.85789E-05	7.94708E-05	4.44154E-05	8.60402E-05	9.02272E-05	4.35745E-05	7.94708E-05	4.3353E-05
2113	7.49019E-05	7.91883E-05	2.31196E-05	7.11302E-05	4.43767E-05	7.57629E-05	7.94204E-05	3.86671E-05	7.11302E-05	4.33248E-05
2114	7.29945E-05	7.72575E-05	2.14962E-05	7.08103E-05	4.4644E-05	7.46269E-05	7.82211E-05	3.8174E-05	7.08103E-05	4.35994E-05
2115	7.33437E-05	7.76599E-05	2.12019E-05	7.20351E-05	4.58485E-05	7.54233E-05	7.90381E-05	3.87611E-05	7.20351E-05	4.48257E-05
2116	7.71401E-05	8.169E-05	2.21754E-05	7.65347E-05	4.86787E-05	7.96773E-05	8.34736E-05	4.1174E-05	7.65347E-05	4.76961E-05
2117	8.40047E-05	8.89282E-05	2.45265E-05	8.36484E-05	5.24811E-05	8.68428E-05	9.09533E-05	4.51535E-05	8.36484E-05	5.15417E-05
2118	9.07653E-05	9.60329E-05	2.71307E-05	8.98183E-05	5.35828E-05	9.34981E-05	9.7923E-05	4.86196E-05	8.98183E-05	5.26303E-05
2119	9.17583E-05	9.69427E-05	2.91287E-05	9.13736E-05	9.51741E-05	9.45208E-05	9.89394E-05	4.97062E-05	9.13736E-05	8.90705E-05

2120	8.69552E-05	9.17736E-05	2.8747E-05	8.70336E-05	9.41634E-05	8.95994E-05	9.37761E-05	4.7238E-05	8.70336E-05	8.80126E-05
2121	8.30396E-05	8.76093E-05	2.78357E-05	8.17142E-05	9.5121E-05	8.49067E-05	8.89124E-05	4.42801E-05	8.17142E-05	8.89648E-05
2122	8.13038E-05	8.57471E-05	2.76277E-05	7.8738E-05	9.56266E-05	8.2532E-05	8.64671E-05	4.26213E-05	7.8738E-05	8.94626E-05
2123	8.02791E-05	8.46462E-05	2.75226E-05	7.66096E-05	9.63841E-05	8.0968E-05	8.4873E-05	4.13616E-05	7.66096E-05	9.02232E-05
2124	7.82362E-05	8.25107E-05	2.65989E-05	7.42914E-05	9.03652E-05	7.87823E-05	8.26201E-05	3.98581E-05	7.42914E-05	8.50683E-05
2125	7.73979E-05	8.16274E-05	2.63033E-05	7.33453E-05	9.0803E-05	7.78752E-05	8.16782E-05	3.9305E-05	7.33453E-05	8.55127E-05
2126	7.55802E-05	7.97184E-05	2.5589E-05	7.24451E-05	9.00232E-05	7.64138E-05	8.01064E-05	3.89618E-05	7.24451E-05	8.4726E-05
2127	7.66848E-05	8.08891E-05	2.58954E-05	7.4284E-05	9.41593E-05	7.78756E-05	8.16003E-05	4.00986E-05	7.4284E-05	8.79778E-05
2128	8.07617E-05	8.51889E-05	2.72796E-05	7.84513E-05	9.06074E-05	8.21083E-05	8.60226E-05	4.24078E-05	7.84513E-05	8.43854E-05
2129	8.75476E-05	9.23696E-05	2.92963E-05	8.47348E-05	8.71265E-05	8.89157E-05	9.31934E-05	4.55305E-05	8.47348E-05	8.08643E-05
2130	9.7893E-05	0.000103202	3.37598E-05	9.28405E-05	8.50435E-05	9.84555E-05	0.000103221	5.01228E-05	9.28405E-05	7.87575E-05
2131	0.000108321	0.000113997	3.97532E-05	9.9751E-05	7.10576E-05	0.000107309	0.000112484	5.48277E-05	9.9751E-05	6.64935E-05
2132	0.000111635	0.000117372	4.23258E-05	0.000101398	6.00286E-05	0.000109788	0.000115055	5.6368E-05	0.000101398	5.7236E-05
2133	0.000110462	0.000116165	4.1559E-05	9.81458E-05	5.22352E-05	0.000107737	0.000112946	5.49113E-05	9.81458E-05	5.03004E-05
2134	0.000104756	0.000110273	3.81151E-05	9.17337E-05	4.67128E-05	0.000101782	0.000106766	5.12344E-05	9.17337E-05	4.56695E-05
2135	9.51685E-05	0.000100273	3.35021E-05	8.47931E-05	4.51893E-05	9.32571E-05	9.78092E-05	4.70881E-05	8.47931E-05	4.41323E-05
2136	8.64543E-05	9.12451E-05	2.85789E-05	7.94708E-05	4.44154E-05	8.60402E-05	9.02272E-05	4.35745E-05	7.94708E-05	4.3353E-05
2137	7.49019E-05	7.91883E-05	2.31196E-05	7.11302E-05	4.43767E-05	7.57629E-05	7.94204E-05	3.86671E-05	7.11302E-05	4.33248E-05
2138	7.29945E-05	7.72575E-05	2.14962E-05	7.08103E-05	4.4644E-05	7.46269E-05	7.82211E-05	3.8174E-05	7.08103E-05	4.35994E-05
2139	7.33437E-05	7.76599E-05	2.12019E-05	7.20351E-05	4.58485E-05	7.54233E-05	7.90381E-05	3.87611E-05	7.20351E-05	4.48257E-05
2140	7.71401E-05	8.169E-05	2.21754E-05	7.65347E-05	4.86787E-05	7.96773E-05	8.34736E-05	4.1174E-05	7.65347E-05	4.76961E-05
2141	8.40047E-05	8.89282E-05	2.45265E-05	8.36484E-05	5.24811E-05	8.68428E-05	9.09533E-05	4.51535E-05	8.36484E-05	5.15417E-05
2142	9.07653E-05	9.60329E-05	2.71307E-05	8.98183E-05	5.35828E-05	9.34981E-05	9.7923E-05	4.86196E-05	8.98183E-05	5.26303E-05
2143	9.17583E-05	9.69427E-05	2.91287E-05	9.13736E-05	9.51741E-05	9.45208E-05	9.89394E-05	4.97062E-05	9.13736E-05	8.90705E-05
2144	8.69552E-05	9.17736E-05	2.8747E-05	8.70336E-05	9.41634E-05	8.95994E-05	9.37761E-05	4.7238E-05	8.70336E-05	8.80126E-05
2145	8.30396E-05	8.76093E-05	2.78357E-05	8.17142E-05	9.5121E-05	8.49067E-05	8.89124E-05	4.42801E-05	8.17142E-05	8.89648E-05
2146	8.13038E-05	8.57471E-05	2.76277E-05	7.8738E-05	9.56266E-05	8.2532E-05	8.64671E-05	4.26213E-05	7.8738E-05	8.94626E-05
2147	8.02791E-05	8.46462E-05	2.75226E-05	7.66096E-05	9.63841E-05	8.0968E-05	8.4873E-05	4.13616E-05	7.66096E-05	9.02232E-05
2148	7.82362E-05	8.25107E-05	2.65989E-05	7.42914E-05	9.03652E-05	7.87823E-05	8.26201E-05	3.98581E-05	7.42914E-05	8.50683E-05
2149	7.73979E-05	8.16274E-05	2.63033E-05	7.33453E-05	9.0803E-05	7.78752E-05	8.16782E-05	3.9305E-05	7.33453E-05	8.55127E-05
2150	7.55802E-05	7.97184E-05	2.5589E-05	7.24451E-05	9.00232E-05	7.64138E-05	8.01064E-05	3.89618E-05	7.24451E-05	8.4726E-05
2151	7.66848E-05	8.08891E-05	2.58954E-05	7.4284E-05	9.41593E-05	7.78756E-05	8.16003E-05	4.00986E-05	7.4284E-05	8.79778E-05
2152	8.07617E-05	8.51889E-05	2.72796E-05	7.84513E-05	9.06074E-05	8.21083E-05	8.60226E-05	4.24078E-05	7.84513E-05	8.43854E-05
2153	8.75476E-05	9.23696E-05	2.92963E-05	8.47348E-05	8.71265E-05	8.89157E-05	9.31934E-05	4.55305E-05	8.47348E-05	8.08643E-05
2154	9.7893E-05	0.000103202	3.37598E-05	9.28405E-05	8.50435E-05	9.84555E-05	0.000103221	5.01228E-05	9.28405E-05	7.87575E-05
2155	0.000108321	0.000113997	3.97532E-05	9.9751E-05	7.10576E-05	0.000107309	0.000112484	5.48277E-05	9.9751E-05	6.64935E-05
2156	0.000111635	0.000117372	4.23258E-05	0.000101398	6.00286E-05	0.000109788	0.000115055	5.6368E-05	0.000101398	5.7236E-05
2157	0.000110462	0.000116165	4.1559E-05	9.81458E-05	5.22352E-05	0.000107737	0.000112946	5.49113E-05	9.81458E-05	5.03004E-05
2158	0.000104756	0.000110273	3.81151E-05	9.17337E-05	4.67128E-05	0.000101782	0.000106766	5.12344E-05	9.17337E-05	4.56695E-05
2159	9.51685E-05	0.000100273	3.35021E-05	8.47931E-05	4.51893E-05	9.32571E-05	9.78092E-05	4.70881E-05	8.47931E-05	4.41323E-05
2160	8.64543E-05	9.12451E-05	2.85789E-05	7.94708E-05	4.44154E-05	8.60402E-05	9.02272E-05	4.35745E-05	7.94708E-05	4.3353E-05
2161	7.49019E-05	7.91883E-05	2.31196E-05	7.11302E-05	4.43767E-05	7.57629E-05	7.94204E-05	3.86671E-05	7.11302E-05	4.33248E-05
2162	7.29945E-05	7.72575E-05	2.14962E-05	7.08103E-05	4.4644E-05	7.46269E-05	7.82211E-05	3.8174E-05	7.08103E-05	4.35994E-05
2163	7.33437E-05	7.76599E-05	2.12019E-05	7.20351E-05	4.58485E-05	7.54233E-05	7.90381E-05	3.87611E-05	7.20351E-05	4.48257E-05
2164	7.71401E-05	8.169E-05	2.21754E-05	7.65347E-05	4.86787E-05	7.96773E-05	8.34736E-05	4.1174E-05	7.65347E-05	4.76961E-05
2165	8.40047E-05	8.89282E-05	2.45265E-05	8.36484E-05	5.24811E-05	8.68428E-05	9.09533E-05	4.51535E-05	8.36484E-05	5.15417E-05
2166	9.07653E-05	9.60329E-05	2.71307E-05	8.98183E-05	5.35828E-05	9.34981E-05	9.7923E-05	4.86196E-05	8.98183E-05	5.26303E-05
2167	9.17583E-05	9.69427E-05	2.91287E-05	9.13736E-05	9.51741E-05	9.45208E-05	9.89394E-05	4.97062E-05	9.13736E-05	8.90705E-05
2168	8.69552E-05	9.17736E-05	2.8747E-05	8.70336E-05	9.41634E-05	8.95994E-05	9.37761E-05	4.7238E-05	8.70336E-05	8.80126E-05
2169	8.30396E-05	8.76093E-05	2.78357E-05	8.17142E-05	9.5121E-05	8.49067E-05	8.89124E-05	4.42801E-05	8.17142E-05	8.89648E-05
2170	8.13038E-05	8.57471E-05	2.76277E-05	7.8738E-05	9.56266E-05	8.2532E-05	8.64671E-05	4.26213E-05	7.8738E-05	8.94626E-05
2171	8.02791E-05	8.46462E-05	2.75226E-05	7.66096E-05	9.63841E-05	8.0968E-05	8.4873E-05	4.13616E-05	7.66096E-05	9.02232E-05
2172	7.82362E-05	8.25107E-05	2.65989E-05	7.42914E-05	9.03652E-05	7.87823E-05	8.26201E-05	3.98581E-05	7.42914E-05	8.50683E-05
2173	7.73979E-05	8.16274E-05	2.63033E-05	7.33453E-05	9.0803E-05	7.78752E-05	8.16782E-05	3.9305E-05	7.33453E-05	8.55127E-05
2174	7.55802E-05	7.97184E-05	2.5589E-05	7.24451E-05	9.00232E-05	7.64138E-05	8.01064E-05	3.89618E-05	7.24451E-05	8.4726E-05
2175	7.66848E-05	8.08891E-05	2.58954E-05	7.4284E-05	9.41593E-05	7.78756E-05	8.16003E-05	4.00986E-05	7.4284E-05	8.79778E-05
2176	8.07617E-05	8.51889E-05	2.72796E-05	7.84513E-05	9.06074E-05	8.21083E-05	8.60226E-05	4.24078E-05	7.84513E-05	8.43854E-05
2177	8.75476E-05	9.23696E-05	2.92963E-05	8.47348E-05	8.71265E-05	8.89157E-05	9.31934E-05	4.55305E-05	8.47348E-05	8.08643E-05
2178	9.7893E-05	0.000103202	3.37598E-05	9.28405E-05	8.50435E-05	9.84555E-05	0.000103221	5.01228E-05	9.28405E-05	7.87575E-05
2179	0.000108321	0.000113997	3.97532E-05	9.9751E-05	7.10576E-05	0.000107309	0.000112484	5.48277E-05	9.9751E-05	6.64935E-05
2180	0.000111635	0.000117372	4.23258E-05	0.000101398	6.00286E-05	0.000109788	0.000115055	5.6368E-05	0.000101398	5.7236E-05
2181	0.000110462	0.000116165	4.1559E-05	9.81458E-05	5.22352E-05	0.000107737	0.000112946	5.49113E-05	9.81458E-05	5.03004E-05
2182	0.000104756	0.000110273	3.81151E-05	9.17337E-05	4.67128E-05	0.000101782	0.000106766	5.12344E-05	9.17337E-05	4.56695E-05
2183	9.51685E-05	0.000100273	3.35021E-05	8.47931E-05	4.51893E-05	9.32571E-05	9.78092E-05	4.70881E-05	8.47931E-05	4.41323E-05
2184	8.64543E-05	9.12451E-05	2.85789E-05	7.94708E-05	4.44154E-05	8.60402E-05	9.02272E-05	4.35745E-05	7.94708E-05	4.3353E-05
2185	6.19965E-05	6.55578E-05	1.8974E-05	5.48557E-05	4.42941E-05	6.10054E-05	6.41519E-05	2.90928E-05	5.48557E-05	4.32216E-05
2186	6.01464E-05	6.36902E-05	1.73355E-05	5.44837E-05	4.49126E-05	5.98865E-05	6.29792E-05	2.852E-05	5.44837E-05	4.3857E-05
2187	6.124E-05	6.48782E-05	1.72892E-05	5.66803E-05	4.67445E-05	6.1547E-05	6.46878E-05	2.96918E-05	5.66803E-05	4.5722E-05
2188	6.61417E-05	7.00793E-05	1.85743E-05	6.24124E-05	5.03658E-05	6.7002E-05	7.03776E-05	3.27663E-05	6.24124E-05	4.93925E-05
2189	7.25299E-05	7.68292E-05	2.05918E-05	6.82548E-05	5.40974E-05	7.33616E-05	7.70716E-05	3.57336E-05	6.82548E-05	5.31637E-05
2190	7.70359E-05	8.15589E-05	2.23965E-05	7.1302E-05	5.48754E-05	7.73299E-05	8.12814E-05	3.72525E-05	7.1302E-05	5.39179E-05
2191	7.60513E-05	8.03741E-05	2.38308E-05	7.06292E-05	9.66415E-05	7.61947E-05	8.00461E-05	3.71331E-05	7.06292E-05	9.05373E-05
2192	7.16369E-05	7.55938E-05	2.38365E-05	6.77539E-05	9.53081E-05	7.20974E-05	7.56653E-05	3.59105E-05	6.77539E-05	8.91595E-05
2193	6.91292E-05	7.29122E-05	2.34283E-05	6.43987E-05	9.59713E-05	6.90881E-05	7.25297E-05	3.41825E-05	6.43987E-05	8.9811E-05
2194	6.84218E-05	7.21358E-05	2.35546E-05	6.27342E-05	9.63241E-05	6.78952E-05	7.13061E-05	3.33013E-05	6.27342E-05	9.01541E-05
2195	6.80943E-05	7.17663E-05	2.37346E-05	6.17121E-05	9.66136E-05	6.72169E-05	7.06121E-05	3.27819E-05	6.17121E-05	9.0438E-05

2196	6.62681E-05	6.98496E-05	2.30024E-05	6.01196E-05	9.07571E-05	6.54553E-05	6.87654E-05	3.18835E-05	6.01196E-05	8.54424E-05
2197	6.46695E-05	6.8158E-05	2.25272E-05	5.84545E-05	9.04476E-05	6.37723E-05	6.70033E-05	3.10019E-05	5.84545E-05	8.51278E-05
2198	6.4629E-05	6.8152E-05	2.20698E-05	5.86301E-05	8.87913E-05	6.3889E-05	6.71483E-05	3.08324E-05	5.86301E-05	8.34508E-05
2199	6.79942E-05	7.17385E-05	2.27613E-05	6.20532E-05	9.21174E-05	6.74424E-05	7.08973E-05	3.24022E-05	6.20532E-05	8.58815E-05
2200	7.345E-05	7.75118E-05	2.43817E-05	6.71916E-05	8.87646E-05	7.29529E-05	7.66969E-05	3.49804E-05	6.71916E-05	8.24973E-05
2201	7.83665E-05	8.27111E-05	2.5881E-05	7.14262E-05	8.60331E-05	7.77428E-05	8.17581E-05	3.70192E-05	7.14262E-05	7.9745E-05
2202	8.54413E-05	9.00702E-05	2.95225E-05	7.62561E-05	8.44282E-05	8.38732E-05	8.81972E-05	4.00187E-05	7.62561E-05	7.81325E-05
2203	9.43139E-05	9.92145E-05	3.51128E-05	8.1564E-05	7.05302E-05	9.10881E-05	9.57386E-05	4.39223E-05	8.1564E-05	6.59551E-05
2204	9.73917E-05	0.000102332	3.77112E-05	8.32903E-05	5.94223E-05	9.34439E-05	9.81555E-05	4.56579E-05	8.32903E-05	5.66091E-05
2205	9.55942E-05	0.000100462	3.67906E-05	7.94248E-05	5.15031E-05	9.07472E-05	9.53654E-05	4.39087E-05	7.94248E-05	4.95378E-05
2206	8.91831E-05	9.3805E-05	3.33481E-05	7.29696E-05	4.59072E-05	8.43149E-05	8.8631E-05	4.05399E-05	7.29696E-05	4.48326E-05
2207	7.88809E-05	8.30454E-05	2.85719E-05	6.53739E-05	4.48813E-05	7.50685E-05	7.89102E-05	3.61052E-05	6.53739E-05	4.38E-05
2208	7.06397E-05	7.45234E-05	2.37236E-05	6.03623E-05	4.44403E-05	6.82811E-05	7.17931E-05	3.26617E-05	6.03623E-05	4.33611E-05
2209	6.16784E-05	6.52226E-05	1.88636E-05	5.44239E-05	4.4307E-05	6.06298E-05	6.37655E-05	2.88267E-05	5.44239E-05	4.32332E-05
2210	5.98562E-05	6.33847E-05	1.72311E-05	5.40761E-05	4.49325E-05	5.95385E-05	6.26221E-05	2.82638E-05	5.40761E-05	4.38753E-05
2211	6.09992E-05	6.4625E-05	1.71981E-05	5.63253E-05	4.67584E-05	6.12516E-05	6.43859E-05	2.94627E-05	5.63253E-05	4.57345E-05
2212	6.59063E-05	6.98329E-05	1.84708E-05	6.20118E-05	5.03849E-05	6.66924E-05	7.00647E-05	3.24897E-05	6.20118E-05	4.94114E-05
2213	7.23953E-05	7.66897E-05	2.05166E-05	6.79662E-05	5.41552E-05	7.31614E-05	7.6873E-05	3.5517E-05	6.79662E-05	5.32216E-05
2214	7.68929E-05	8.14098E-05	2.23267E-05	7.10328E-05	5.49653E-05	7.71317E-05	8.10828E-05	3.70592E-05	7.10328E-05	5.40077E-05
2215	7.73497E-05	8.17802E-05	2.38276E-05	7.05246E-05	9.67172E-05	7.69905E-05	8.09303E-05	3.70316E-05	7.05246E-05	9.06129E-05
2216	7.13651E-05	7.53068E-05	2.37466E-05	6.74017E-05	9.54465E-05	7.17828E-05	7.53406E-05	3.56996E-05	6.74017E-05	8.92972E-05
2217	6.88184E-05	7.25843E-05	2.33251E-05	6.39945E-05	9.6198E-05	6.8728E-05	7.2158E-05	3.39399E-05	6.39945E-05	9.00373E-05
2218	6.81815E-05	7.18823E-05	2.34743E-05	6.24197E-05	9.65645E-05	6.7616E-05	7.1018E-05	3.31117E-05	6.24197E-05	9.03938E-05
2219	6.78615E-05	7.15206E-05	2.36574E-05	6.14096E-05	9.68776E-05	6.69472E-05	7.03338E-05	3.26004E-05	6.14096E-05	9.07017E-05
2220	6.60944E-05	6.96668E-05	2.29382E-05	5.98696E-05	9.09112E-05	6.52446E-05	6.85497E-05	3.17243E-05	5.98696E-05	8.55946E-05
2221	6.45037E-05	6.79836E-05	2.24641E-05	5.82088E-05	9.05904E-05	6.35684E-05	6.6795E-05	3.0843E-05	5.82088E-05	8.52692E-05
2222	6.45125E-05	6.80297E-05	2.20234E-05	5.84499E-05	8.89251E-05	6.37429E-05	6.69995E-05	3.07133E-05	5.84499E-05	8.35835E-05
2223	6.78274E-05	7.15626E-05	2.27052E-05	6.18334E-05	9.22162E-05	6.7248E-05	7.06969E-05	3.22692E-05	6.18334E-05	8.59793E-05
2224	7.33503E-05	7.7407E-05	2.43435E-05	6.7043E-05	8.88122E-05	7.28299E-05	7.65713E-05	3.48839E-05	6.7043E-05	8.25447E-05
2225	7.84547E-05	8.28039E-05	2.59146E-05	7.15572E-05	8.60375E-05	7.78514E-05	8.1869E-05	3.7104E-05	7.15572E-05	7.97489E-05
2226	8.55136E-05	9.01462E-05	2.955E-05	7.63631E-05	8.44209E-05	8.39621E-05	8.8288E-05	4.00879E-05	7.63631E-05	7.81246E-05
2227	9.436E-05	9.92638E-05	3.51202E-05	8.15946E-05	7.05057E-05	9.11301E-05	9.5784E-05	4.39294E-05	8.15946E-05	6.59305E-05
2228	9.7441E-05	0.000102386	3.77063E-05	8.32755E-05	5.94207E-05	9.34704E-05	9.81884E-05	4.56189E-05	8.32755E-05	5.66084E-05
2229	9.41127E-05	9.88636E-05	3.67195E-05	7.9241E-05	5.1468E-05	8.97196E-05	9.42454E-05	4.38178E-05	7.9241E-05	4.95036E-05
2230	8.91866E-05	9.38095E-05	3.33407E-05	7.29424E-05	4.58786E-05	8.43066E-05	8.86247E-05	4.05115E-05	7.29424E-05	4.48048E-05
2231	7.89323E-05	8.31004E-05	2.858E-05	6.54076E-05	4.48494E-05	7.51151E-05	7.89607E-05	3.61127E-05	6.54076E-05	4.37689E-05
2232	7.06747E-05	7.45606E-05	2.37313E-05	6.03932E-05	4.43887E-05	6.8316E-05	7.18301E-05	3.26747E-05	6.03932E-05	4.331E-05
2233	6.16784E-05	6.52226E-05	1.88636E-05	5.44239E-05	4.4307E-05	6.06298E-05	6.37655E-05	2.88267E-05	5.44239E-05	4.32332E-05
2234	5.98562E-05	6.33847E-05	1.72311E-05	5.40761E-05	4.49325E-05	5.95385E-05	6.26221E-05	2.82638E-05	5.40761E-05	4.38753E-05
2235	6.09992E-05	6.4625E-05	1.71981E-05	5.63253E-05	4.67584E-05	6.12516E-05	6.43859E-05	2.94627E-05	5.63253E-05	4.57345E-05
2236	6.59063E-05	6.98329E-05	1.84708E-05	6.20118E-05	5.03849E-05	6.66924E-05	7.00647E-05	3.24897E-05	6.20118E-05	4.94114E-05
2237	7.23953E-05	7.66897E-05	2.05166E-05	6.79662E-05	5.41552E-05	7.31614E-05	7.6873E-05	3.5517E-05	6.79662E-05	5.32216E-05
2238	7.68929E-05	8.14098E-05	2.23267E-05	7.10328E-05	5.49653E-05	7.71317E-05	8.10828E-05	3.70592E-05	7.10328E-05	5.40077E-05
2239	7.73497E-05	8.17802E-05	2.38276E-05	7.05246E-05	9.67172E-05	7.69905E-05	8.09303E-05	3.70316E-05	7.05246E-05	9.06129E-05
2240	7.13651E-05	7.53068E-05	2.37466E-05	6.74017E-05	9.54465E-05	7.17828E-05	7.53406E-05	3.56996E-05	6.74017E-05	8.92972E-05
2241	6.88184E-05	7.25843E-05	2.33251E-05	6.39945E-05	9.6198E-05	6.8728E-05	7.2158E-05	3.39399E-05	6.39945E-05	9.00373E-05
2242	6.81815E-05	7.18823E-05	2.34743E-05	6.24197E-05	9.65645E-05	6.7616E-05	7.1018E-05	3.31117E-05	6.24197E-05	9.03938E-05
2243	6.78615E-05	7.15206E-05	2.36574E-05	6.14096E-05	9.68776E-05	6.69472E-05	7.03338E-05	3.26004E-05	6.14096E-05	9.07017E-05
2244	6.60944E-05	6.96668E-05	2.29382E-05	5.98696E-05	9.09112E-05	6.52446E-05	6.85497E-05	3.17243E-05	5.98696E-05	8.55946E-05
2245	6.45037E-05	6.79836E-05	2.24641E-05	5.82088E-05	9.05904E-05	6.35684E-05	6.6795E-05	3.0843E-05	5.82088E-05	8.52692E-05
2246	6.45125E-05	6.80297E-05	2.20234E-05	5.84499E-05	8.89251E-05	6.37429E-05	6.69995E-05	3.07133E-05	5.84499E-05	8.35835E-05
2247	6.78274E-05	7.15626E-05	2.27052E-05	6.18334E-05	9.22162E-05	6.7248E-05	7.06969E-05	3.22692E-05	6.18334E-05	8.59793E-05
2248	7.33503E-05	7.7407E-05	2.43435E-05	6.7043E-05	8.88122E-05	7.28299E-05	7.65713E-05	3.48839E-05	6.7043E-05	8.25447E-05
2249	7.84547E-05	8.28039E-05	2.59146E-05	7.15572E-05	8.60375E-05	7.78514E-05	8.1869E-05	3.7104E-05	7.15572E-05	7.97489E-05
2250	8.55136E-05	9.01462E-05	2.955E-05	7.63631E-05	8.44209E-05	8.39621E-05	8.8288E-05	4.00879E-05	7.63631E-05	7.81246E-05
2251	9.436E-05	9.92638E-05	3.51202E-05	8.15946E-05	7.05057E-05	9.11301E-05	9.5784E-05	4.39294E-05	8.15946E-05	6.59305E-05
2252	9.7441E-05	0.000102386	3.77063E-05	8.32755E-05	5.94207E-05	9.34704E-05	9.81884E-05	4.56189E-05	8.32755E-05	5.66084E-05
2253	9.41127E-05	9.88636E-05	3.67195E-05	7.9241E-05	5.1468E-05	8.97196E-05	9.42454E-05	4.38178E-05	7.9241E-05	4.95036E-05
2254	8.91866E-05	9.38095E-05	3.33407E-05	7.29424E-05	4.58786E-05	8.43066E-05	8.86247E-05	4.05115E-05	7.29424E-05	4.48048E-05
2255	7.89323E-05	8.31004E-05	2.858E-05	6.54076E-05	4.48494E-05	7.51151E-05	7.89607E-05	3.61127E-05	6.54076E-05	4.37689E-05
2256	7.06747E-05	7.45606E-05	2.37313E-05	6.03932E-05	4.43887E-05	6.8316E-05	7.18301E-05	3.26747E-05	6.03932E-05	4.331E-05
2257	6.19965E-05	6.55578E-05	1.8974E-05	5.48557E-05	4.42941E-05	6.10054E-05	6.41519E-05	2.90928E-05	5.48557E-05	4.32216E-05
2258	6.01464E-05	6.36902E-05	1.73355E-05	5.44837E-05	4.49126E-05	5.98865E-05	6.29792E-05	2.852E-05	5.44837E-05	4.3857E-05
2259	6.124E-05	6.48782E-05	1.72892E-05	5.66803E-05	4.67445E-05	6.1547E-05	6.46878E-05	2.96918E-05	5.66803E-05	4.5722E-05
2260	6.61417E-05	7.00793E-05	1.85743E-05	6.24124E-05	5.03658E-05	6.7002E-05	7.03776E-05	3.27663E-05	6.24124E-05	4.93925E-05
2261	7.25299E-05	7.68292E-05	2.05918E-05	6.82548E-05	5.40974E-05	7.33616E-05	7.70716E-05	3.57336E-05	6.82548E-05	5.31637E-05
2262	7.70359E-05	8.15589E-05	2.23965E-05	7.1302E-05	5.48754E-05	7.73299E-05	8.12814E-05	3.72525E-05	7.1302E-05	5.39179E-05
2263	7.60513E-05	8.03741E-05	2.38308E-05	7.06292E-05	9.66415E-05	7.61947E-05	8.00461E-05	3.71331E-05	7.06292E-05	9.05373E-05
2264	7.16369E-05	7.55938E-05	2.38365E-05	6.77539E-05	9.53081E-05	7.20974E-05	7.56653E-05	3.59105E-05	6.77539E-05	8.91595E-05
2265	6.91292E-05	7.29122E-05	2.34283E-05	6.43987E-05	9.59713E-05	6.90881E-05	7.25297E-05	3.41825E-05	6.43987E-05	8.9811E-05
2266	6.84218E-05	7.21358E-05	2.35546E-05	6.27342E-05	9.63241E-05	6.78952E-05	7.13061E-05	3.33013E-05	6.27342E-05	9.01541E-05
2267	6.80943E-05	7.17663E-05	2.37346E-05	6.17121E-05	9.66136E-05	6.72169E-05	7.06121E-05	3.27819E-05	6.17121E-05	9.0438E-05
2268	6.62681E-05	6.98496E-05	2.30024E-05	6.01196E-05	9.07571E-05	6.54553E-05	6.87654E-05	3.18835E-05	6.01196E-05	8.54424E-05
2269	6.46695E-05	6.8158E-05	2.25272E-05	5.84545E-05	9.04476E-05	6.37723E-05	6.70033E-05	3.10019E-05	5.84545E-05	8.51278E-05
2270	6.4629E-05	6.8152E-05	2.20698E-05	5.86301E-05	8.87913E-05	6.3889E-05	6.71483E-05	3.08324E-05	5.86301E-05	8.34508E-05
2271	6.79942E-05	7.17385E-05	2.27613E-05	6.20532E-05	9.21174E-05	6.74424E-05	7.08973E-05	3.24022E-05	6.20532E-05	8.58815E-05

2272	7.345E-05	7.75118E-05	2.43817E-05	6.71916E-05	8.87646E-05	7.29529E-05	7.66969E-05	3.49804E-05	6.71916E-05	8.24973E-05
2273	7.83665E-05	8.27111E-05	2.5881E-05	7.14262E-05	8.60331E-05	7.77428E-05	8.17581E-05	3.70192E-05	7.14262E-05	7.9745E-05
2274	8.54413E-05	9.00702E-05	2.95225E-05	7.62561E-05	8.44282E-05	8.38732E-05	8.81972E-05	4.00187E-05	7.62561E-05	7.81325E-05
2275	9.43139E-05	9.92145E-05	3.51128E-05	8.1564E-05	7.05302E-05	9.10881E-05	9.57386E-05	4.39223E-05	8.1564E-05	6.59551E-05
2276	9.73917E-05	0.000102332	3.77112E-05	8.32903E-05	5.94223E-05	9.34439E-05	9.81555E-05	4.56579E-05	8.32903E-05	5.66091E-05
2277	9.55942E-05	0.000100462	3.67906E-05	7.94248E-05	5.15031E-05	9.07472E-05	9.53654E-05	4.39087E-05	7.94248E-05	4.95378E-05
2278	8.91831E-05	9.3805E-05	3.33481E-05	7.29696E-05	4.59072E-05	8.43149E-05	8.8631E-05	4.05399E-05	7.29696E-05	4.48326E-05
2279	7.88809E-05	8.30454E-05	2.85719E-05	6.53739E-05	4.48813E-05	7.50685E-05	7.89102E-05	3.61052E-05	6.53739E-05	4.38E-05
2280	7.06397E-05	7.45234E-05	2.37236E-05	6.03623E-05	4.44403E-05	6.82811E-05	7.17931E-05	3.26617E-05	6.03623E-05	4.33611E-05
2281	6.19965E-05	6.55578E-05	1.8974E-05	5.48557E-05	4.42941E-05	6.10054E-05	6.41519E-05	2.90928E-05	5.48557E-05	4.32216E-05
2282	6.01464E-05	6.36902E-05	1.73355E-05	5.44837E-05	4.49126E-05	5.98865E-05	6.29792E-05	2.852E-05	5.44837E-05	4.3857E-05
2283	6.124E-05	6.48782E-05	1.72892E-05	5.66803E-05	4.67445E-05	6.1547E-05	6.46878E-05	2.96918E-05	5.66803E-05	4.5722E-05
2284	6.61417E-05	7.00793E-05	1.85743E-05	6.24124E-05	5.03658E-05	6.7002E-05	7.03776E-05	3.27663E-05	6.24124E-05	4.93925E-05
2285	7.25299E-05	7.68292E-05	2.05918E-05	6.82548E-05	5.40974E-05	7.33616E-05	7.70716E-05	3.57336E-05	6.82548E-05	5.31637E-05
2286	7.70359E-05	8.15589E-05	2.23965E-05	7.1302E-05	5.48754E-05	7.73299E-05	8.12814E-05	3.72525E-05	7.1302E-05	5.39179E-05
2287	7.60513E-05	8.03741E-05	2.38308E-05	7.06292E-05	9.66415E-05	7.61947E-05	8.00461E-05	3.71331E-05	7.06292E-05	9.05373E-05
2288	7.16369E-05	7.55938E-05	2.38365E-05	6.77539E-05	9.53081E-05	7.20974E-05	7.56653E-05	3.59105E-05	6.77539E-05	8.91595E-05
2289	6.91292E-05	7.29122E-05	2.34283E-05	6.43987E-05	9.59713E-05	6.90881E-05	7.25297E-05	3.41825E-05	6.43987E-05	8.9811E-05
2290	6.84218E-05	7.21358E-05	2.35546E-05	6.27342E-05	9.63241E-05	6.78952E-05	7.13061E-05	3.33013E-05	6.27342E-05	9.01541E-05
2291	6.80943E-05	7.17663E-05	2.37346E-05	6.17121E-05	9.66136E-05	6.72169E-05	7.06121E-05	3.27819E-05	6.17121E-05	9.0438E-05
2292	6.62681E-05	6.98496E-05	2.30024E-05	6.01196E-05	9.07571E-05	6.54553E-05	6.87654E-05	3.18835E-05	6.01196E-05	8.54424E-05
2293	6.46695E-05	6.8158E-05	2.25272E-05	5.84545E-05	9.04476E-05	6.37723E-05	6.70033E-05	3.10019E-05	5.84545E-05	8.51278E-05
2294	6.4629E-05	6.8152E-05	2.20698E-05	5.86301E-05	8.87913E-05	6.3889E-05	6.71483E-05	3.08324E-05	5.86301E-05	8.34508E-05
2295	6.79942E-05	7.17385E-05	2.27613E-05	6.20532E-05	9.21174E-05	6.74424E-05	7.08973E-05	3.24022E-05	6.20532E-05	8.58815E-05
2296	7.345E-05	7.75118E-05	2.43817E-05	6.71916E-05	8.87646E-05	7.29529E-05	7.66969E-05	3.49804E-05	6.71916E-05	8.24973E-05
2297	7.83665E-05	8.27111E-05	2.5881E-05	7.14262E-05	8.60331E-05	7.77428E-05	8.17581E-05	3.70192E-05	7.14262E-05	7.9745E-05
2298	8.54413E-05	9.00702E-05	2.95225E-05	7.62561E-05	8.44282E-05	8.38732E-05	8.81972E-05	4.00187E-05	7.62561E-05	7.81325E-05
2299	9.43139E-05	9.92145E-05	3.51128E-05	8.1564E-05	7.05302E-05	9.10881E-05	9.57386E-05	4.39223E-05	8.1564E-05	6.59551E-05
2300	9.73917E-05	0.000102332	3.77112E-05	8.32903E-05	5.94223E-05	9.34439E-05	9.81555E-05	4.56579E-05	8.32903E-05	5.66091E-05
2301	9.55942E-05	0.000100462	3.67906E-05	7.94248E-05	5.15031E-05	9.07472E-05	9.53654E-05	4.39087E-05	7.94248E-05	4.95378E-05
2302	8.91831E-05	9.3805E-05	3.33481E-05	7.29696E-05	4.59072E-05	8.43149E-05	8.8631E-05	4.05399E-05	7.29696E-05	4.48326E-05
2303	7.88809E-05	8.30454E-05	2.85719E-05	6.53739E-05	4.48813E-05	7.50685E-05	7.89102E-05	3.61052E-05	6.53739E-05	4.38E-05
2304	7.06397E-05	7.45234E-05	2.37236E-05	6.03623E-05	4.44403E-05	6.82811E-05	7.17931E-05	3.26617E-05	6.03623E-05	4.33611E-05
2305	6.19965E-05	6.55578E-05	1.8974E-05	5.48557E-05	4.42941E-05	6.10054E-05	6.41519E-05	2.90928E-05	5.48557E-05	4.32216E-05
2306	6.01464E-05	6.36902E-05	1.73355E-05	5.44837E-05	4.49126E-05	5.98865E-05	6.29792E-05	2.852E-05	5.44837E-05	4.3857E-05
2307	6.124E-05	6.48782E-05	1.72892E-05	5.66803E-05	4.67445E-05	6.1547E-05	6.46878E-05	2.96918E-05	5.66803E-05	4.5722E-05
2308	6.61417E-05	7.00793E-05	1.85743E-05	6.24124E-05	5.03658E-05	6.7002E-05	7.03776E-05	3.27663E-05	6.24124E-05	4.93925E-05
2309	7.25299E-05	7.68292E-05	2.05918E-05	6.82548E-05	5.40974E-05	7.33616E-05	7.70716E-05	3.57336E-05	6.82548E-05	5.31637E-05
2310	7.70359E-05	8.15589E-05	2.23965E-05	7.1302E-05	5.48754E-05	7.73299E-05	8.12814E-05	3.72525E-05	7.1302E-05	5.39179E-05
2311	7.60513E-05	8.03741E-05	2.38308E-05	7.06292E-05	9.66415E-05	7.61947E-05	8.00461E-05	3.71331E-05	7.06292E-05	9.05373E-05
2312	7.16369E-05	7.55938E-05	2.38365E-05	6.77539E-05	9.53081E-05	7.20974E-05	7.56653E-05	3.59105E-05	6.77539E-05	8.91595E-05
2313	6.91292E-05	7.29122E-05	2.34283E-05	6.43987E-05	9.59713E-05	6.90881E-05	7.25297E-05	3.41825E-05	6.43987E-05	8.9811E-05
2314	6.84218E-05	7.21358E-05	2.35546E-05	6.27342E-05	9.63241E-05	6.78952E-05	7.13061E-05	3.33013E-05	6.27342E-05	9.01541E-05
2315	6.80943E-05	7.17663E-05	2.37346E-05	6.17121E-05	9.66136E-05	6.72169E-05	7.06121E-05	3.27819E-05	6.17121E-05	9.0438E-05
2316	6.62681E-05	6.98496E-05	2.30024E-05	6.01196E-05	9.07571E-05	6.54553E-05	6.87654E-05	3.18835E-05	6.01196E-05	8.54424E-05
2317	6.46695E-05	6.8158E-05	2.25272E-05	5.84545E-05	9.04476E-05	6.37723E-05	6.70033E-05	3.10019E-05	5.84545E-05	8.51278E-05
2318	6.4629E-05	6.8152E-05	2.20698E-05	5.86301E-05	8.87913E-05	6.3889E-05	6.71483E-05	3.08324E-05	5.86301E-05	8.34508E-05
2319	6.79942E-05	7.17385E-05	2.27613E-05	6.20532E-05	9.21174E-05	6.74424E-05	7.08973E-05	3.24022E-05	6.20532E-05	8.58815E-05
2320	7.345E-05	7.75118E-05	2.43817E-05	6.71916E-05	8.87646E-05	7.29529E-05	7.66969E-05	3.49804E-05	6.71916E-05	8.24973E-05
2321	7.83665E-05	8.27111E-05	2.5881E-05	7.14262E-05	8.60331E-05	7.77428E-05	8.17581E-05	3.70192E-05	7.14262E-05	7.9745E-05
2322	8.54413E-05	9.00702E-05	2.95225E-05	7.62561E-05	8.44282E-05	8.38732E-05	8.81972E-05	4.00187E-05	7.62561E-05	7.81325E-05
2323	9.43139E-05	9.92145E-05	3.51128E-05	8.1564E-05	7.05302E-05	9.10881E-05	9.57386E-05	4.39223E-05	8.1564E-05	6.59551E-05
2324	9.73917E-05	0.000102332	3.77112E-05	8.32903E-05	5.94223E-05	9.34439E-05	9.81555E-05	4.56579E-05	8.32903E-05	5.66091E-05
2325	9.55942E-05	0.000100462	3.67906E-05	7.94248E-05	5.15031E-05	9.07472E-05	9.53654E-05	4.39087E-05	7.94248E-05	4.95378E-05
2326	8.91831E-05	9.3805E-05	3.33481E-05	7.29696E-05	4.59072E-05	8.43149E-05	8.8631E-05	4.05399E-05	7.29696E-05	4.48326E-05
2327	7.88809E-05	8.30454E-05	2.85719E-05	6.53739E-05	4.48813E-05	7.50685E-05	7.89102E-05	3.61052E-05	6.53739E-05	4.38E-05
2328	7.06397E-05	7.45234E-05	2.37236E-05	6.03623E-05	4.44403E-05	6.82811E-05	7.17931E-05	3.26617E-05	6.03623E-05	4.33611E-05
2329	6.19965E-05	6.55578E-05	1.8974E-05	5.48557E-05	4.42941E-05	6.10054E-05	6.41519E-05	2.90928E-05	5.48557E-05	4.32216E-05
2330	6.01464E-05	6.36902E-05	1.73355E-05	5.44837E-05	4.49126E-05	5.98865E-05	6.29792E-05	2.852E-05	5.44837E-05	4.3857E-05
2331	6.124E-05	6.48782E-05	1.72892E-05	5.66803E-05	4.67445E-05	6.1547E-05	6.46878E-05	2.96918E-05	5.66803E-05	4.5722E-05
2332	6.61417E-05	7.00793E-05	1.85743E-05	6.24124E-05	5.03658E-05	6.7002E-05	7.03776E-05	3.27663E-05	6.24124E-05	4.93925E-05
2333	7.25299E-05	7.68292E-05	2.05918E-05	6.82548E-05	5.40974E-05	7.33616E-05	7.70716E-05	3.57336E-05	6.82548E-05	5.31637E-05
2334	7.70359E-05	8.15589E-05	2.23965E-05	7.1302E-05	5.48754E-05	7.73299E-05	8.12814E-05	3.72525E-05	7.1302E-05	5.39179E-05
2335	7.60513E-05	8.03741E-05	2.38308E-05	7.06292E-05	9.66415E-05	7.61947E-05	8.00461E-05	3.71331E-05	7.06292E-05	9.05373E-05
2336	7.16369E-05	7.55938E-05	2.38365E-05	6.77539E-05	9.53081E-05	7.20974E-05	7.56653E-05	3.59105E-05	6.77539E-05	8.91595E-05
2337	6.91292E-05	7.29122E-05	2.34283E-05	6.43987E-05	9.59713E-05	6.90881E-05	7.25297E-05	3.41825E-05	6.43987E-05	8.9811E-05
2338	6.84218E-05	7.21358E-05	2.35546E-05	6.27342E-05	9.63241E-05	6.78952E-05	7.13061E-05	3.33013E-05	6.27342E-05	9.01541E-05
2339	6.80943E-05	7.17663E-05	2.37346E-05	6.17121E-05	9.66136E-05	6.72169E-05	7.06121E-05	3.27819E-05	6.17121E-05	9.0438E-05
2340	6.62681E-05	6.98496E-05	2.30024E-05	6.01196E-05	9.07571E-05	6.54553E-05	6.87654E-05	3.18835E-05	6.01196E-05	8.54424E-05
2341	6.46695E-05	6.8158E-05	2.25272E-05	5.84545E-05	9.04476E-05	6.37723E-05	6.70033E-05	3.10019E-05	5.84545E-05	8.51278E-05
2342	6.4629E-05	6.8152E-05	2.20698E-05	5.86301E-05	8.87913E-05	6.3889E-05	6.71483E-05	3.08324E-05	5.86301E-05	8.34508E-05
2343	6.79942E-05	7.17385E-05	2.27613E-05	6.20532E-05	9.21174E-05	6.74424E-05	7.08973E-05	3.24022E-05	6.20532E-05	8.58815E-05
2344	7.345E-05	7.75118E-05	2.43817E-05	6.71916E-05	8.87646E-05	7.29529E-05	7.66969E-05	3.49804E-05	6.71916E-05	8.24973E-05
2345	7.83665E-05	8.27111E-05	2.5881E-05	7.14262E-05	8.60331E-05	7.77428E-05	8.17581E-05	3.70192E-05	7.14262E-05	7.9745E-05
2346	8.54413E-05	9.00702E-05	2.95225E-05	7.62561E-05	8.44282E-05	8.38732E-05	8.81972E-05	4.00187E-05	7.62561E-05	7.81325E-05
2347	9.43139E-05	9.92145E-05	3.51128E-05	8.1564E-05	7.05302E-05	9.10881E-05	9.57386E-05	4.39223E-05	8.1564E-05	6.59551E-05

2348	9.73917E-05	0.000102332	3.77112E-05	8.32903E-05	5.94223E-05	9.34439E-05	9.81555E-05	4.56579E-05	8.32903E-05	5.66091E-05
2349	9.55942E-05	0.000100462	3.67906E-05	7.94248E-05	5.15031E-05	9.07472E-05	9.53654E-05	4.39087E-05	7.94248E-05	4.95378E-05
2350	8.91831E-05	9.3805E-05	3.33481E-05	7.29696E-05	4.59072E-05	8.43149E-05	8.8631E-05	4.05399E-05	7.29696E-05	4.48326E-05
2351	7.88809E-05	8.30454E-05	2.85719E-05	6.53739E-05	4.48813E-05	7.50685E-05	7.89102E-05	3.61052E-05	6.53739E-05	4.38E-05
2352	7.06397E-05	7.45234E-05	2.37236E-05	6.03623E-05	4.44403E-05	6.82811E-05	7.17931E-05	3.26617E-05	6.03623E-05	4.33611E-05
2353	6.19965E-05	6.55578E-05	1.8974E-05	5.48557E-05	4.42941E-05	6.10054E-05	6.41519E-05	2.90928E-05	5.48557E-05	4.32216E-05
2354	6.01464E-05	6.36902E-05	1.73355E-05	5.44837E-05	4.49126E-05	5.98865E-05	6.29792E-05	2.852E-05	5.44837E-05	4.3857E-05
2355	6.124E-05	6.48782E-05	1.72892E-05	5.66803E-05	4.67445E-05	6.1547E-05	6.46878E-05	2.96918E-05	5.66803E-05	4.5722E-05
2356	6.61417E-05	7.00793E-05	1.85743E-05	6.24124E-05	5.03658E-05	6.7002E-05	7.03776E-05	3.27663E-05	6.24124E-05	4.93925E-05
2357	7.25299E-05	7.68292E-05	2.05918E-05	6.82548E-05	5.40974E-05	7.33616E-05	7.70716E-05	3.57336E-05	6.82548E-05	5.31637E-05
2358	7.70359E-05	8.15589E-05	2.23965E-05	7.1302E-05	5.48754E-05	7.73299E-05	8.12814E-05	3.72525E-05	7.1302E-05	5.39179E-05
2359	7.60513E-05	8.03741E-05	2.38308E-05	7.06292E-05	9.66415E-05	7.61947E-05	8.00461E-05	3.71331E-05	7.06292E-05	9.05373E-05
2360	7.16369E-05	7.55938E-05	2.38365E-05	6.77539E-05	9.53081E-05	7.20974E-05	7.56653E-05	3.59105E-05	6.77539E-05	8.91595E-05
2361	6.91292E-05	7.29122E-05	2.34283E-05	6.43987E-05	9.59713E-05	6.90881E-05	7.25297E-05	3.41825E-05	6.43987E-05	8.9811E-05
2362	6.84218E-05	7.21358E-05	2.35546E-05	6.27342E-05	9.63241E-05	6.78952E-05	7.13061E-05	3.33013E-05	6.27342E-05	9.01541E-05
2363	6.80943E-05	7.17663E-05	2.37346E-05	6.17121E-05	9.66136E-05	6.72169E-05	7.06121E-05	3.27819E-05	6.17121E-05	9.0438E-05
2364	6.62681E-05	6.98496E-05	2.30024E-05	6.01196E-05	9.07571E-05	6.54553E-05	6.87654E-05	3.18835E-05	6.01196E-05	8.54424E-05
2365	6.46695E-05	6.8158E-05	2.25272E-05	5.84545E-05	9.04476E-05	6.37723E-05	6.70033E-05	3.10019E-05	5.84545E-05	8.51278E-05
2366	6.4629E-05	6.8152E-05	2.20698E-05	5.86301E-05	8.87913E-05	6.3889E-05	6.71483E-05	3.08324E-05	5.86301E-05	8.34508E-05
2367	6.79942E-05	7.17385E-05	2.27613E-05	6.20532E-05	9.21174E-05	6.74424E-05	7.08973E-05	3.24022E-05	6.20532E-05	8.58815E-05
2368	7.345E-05	7.75118E-05	2.43817E-05	6.71916E-05	8.87646E-05	7.29529E-05	7.66969E-05	3.49804E-05	6.71916E-05	8.24973E-05
2369	7.83665E-05	8.27111E-05	2.5881E-05	7.14262E-05	8.60331E-05	7.77428E-05	8.17581E-05	3.70192E-05	7.14262E-05	7.9745E-05
2370	8.54413E-05	9.00702E-05	2.95225E-05	7.62561E-05	8.44282E-05	8.38732E-05	8.81972E-05	4.00187E-05	7.62561E-05	7.81325E-05
2371	9.43139E-05	9.92145E-05	3.51128E-05	8.1564E-05	7.05302E-05	9.10881E-05	9.57386E-05	4.39223E-05	8.1564E-05	6.59551E-05
2372	9.73917E-05	0.000102332	3.77112E-05	8.32903E-05	5.94223E-05	9.34439E-05	9.81555E-05	4.56579E-05	8.32903E-05	5.66091E-05
2373	9.55942E-05	0.000100462	3.67906E-05	7.94248E-05	5.15031E-05	9.07472E-05	9.53654E-05	4.39087E-05	7.94248E-05	4.95378E-05
2374	8.91831E-05	9.3805E-05	3.33481E-05	7.29696E-05	4.59072E-05	8.43149E-05	8.8631E-05	4.05399E-05	7.29696E-05	4.48326E-05
2375	7.88809E-05	8.30454E-05	2.85719E-05	6.53739E-05	4.48813E-05	7.50685E-05	7.89102E-05	3.61052E-05	6.53739E-05	4.38E-05
2376	7.06397E-05	7.45234E-05	2.37236E-05	6.03623E-05	4.44403E-05	6.82811E-05	7.17931E-05	3.26617E-05	6.03623E-05	4.33611E-05
2377	6.16784E-05	6.52226E-05	1.88636E-05	5.44239E-05	4.4307E-05	6.06298E-05	6.37655E-05	2.88267E-05	5.44239E-05	4.32332E-05
2378	5.98562E-05	6.33847E-05	1.72311E-05	5.40761E-05	4.49325E-05	5.95385E-05	6.26221E-05	2.82638E-05	5.40761E-05	4.38753E-05
2379	6.09992E-05	6.4625E-05	1.71981E-05	5.63253E-05	4.67584E-05	6.12516E-05	6.43859E-05	2.94627E-05	5.63253E-05	4.57345E-05
2380	6.59063E-05	6.98329E-05	1.84708E-05	6.20118E-05	5.03849E-05	6.66924E-05	7.00647E-05	3.24897E-05	6.20118E-05	4.94114E-05
2381	7.23953E-05	7.66897E-05	2.05166E-05	6.79662E-05	5.41552E-05	7.31614E-05	7.6873E-05	3.5517E-05	6.79662E-05	5.32216E-05
2382	7.68929E-05	8.14098E-05	2.23267E-05	7.10328E-05	5.49653E-05	7.71317E-05	8.10828E-05	3.70592E-05	7.10328E-05	5.40077E-05
2383	7.73497E-05	8.17802E-05	2.38276E-05	7.05246E-05	9.67172E-05	7.69905E-05	8.09303E-05	3.70316E-05	7.05246E-05	9.06129E-05
2384	7.13651E-05	7.53068E-05	2.37466E-05	6.74017E-05	9.54465E-05	7.17828E-05	7.53406E-05	3.56996E-05	6.74017E-05	8.92972E-05
2385	6.88184E-05	7.25843E-05	2.33251E-05	6.39945E-05	9.6198E-05	6.8728E-05	7.2158E-05	3.39399E-05	6.39945E-05	9.00373E-05
2386	6.81815E-05	7.18823E-05	2.34743E-05	6.24197E-05	9.65645E-05	6.7616E-05	7.1018E-05	3.31117E-05	6.24197E-05	9.03938E-05
2387	6.78615E-05	7.15206E-05	2.36574E-05	6.14096E-05	9.68776E-05	6.69472E-05	7.03338E-05	3.26004E-05	6.14096E-05	9.07017E-05
2388	6.60944E-05	6.96668E-05	2.29382E-05	5.98696E-05	9.09112E-05	6.52446E-05	6.85497E-05	3.17243E-05	5.98696E-05	8.55946E-05
2389	6.45037E-05	6.79836E-05	2.24641E-05	5.82088E-05	9.05904E-05	6.35684E-05	6.6795E-05	3.0843E-05	5.82088E-05	8.52692E-05
2390	6.45125E-05	6.80297E-05	2.20234E-05	5.84499E-05	8.89251E-05	6.37429E-05	6.69995E-05	3.07133E-05	5.84499E-05	8.35835E-05
2391	6.78274E-05	7.15626E-05	2.27052E-05	6.18334E-05	9.22162E-05	6.7248E-05	7.06969E-05	3.22692E-05	6.18334E-05	8.59793E-05
2392	7.33503E-05	7.7407E-05	2.43435E-05	6.7043E-05	8.88122E-05	7.28299E-05	7.65713E-05	3.48839E-05	6.7043E-05	8.25447E-05
2393	7.84547E-05	8.28039E-05	2.59146E-05	7.15572E-05	8.60375E-05	7.78514E-05	8.1869E-05	3.7104E-05	7.15572E-05	7.97489E-05
2394	8.55136E-05	9.01462E-05	2.955E-05	7.63631E-05	8.44209E-05	8.39621E-05	8.8288E-05	4.00879E-05	7.63631E-05	7.81246E-05
2395	9.436E-05	9.92638E-05	3.51202E-05	8.15946E-05	7.05057E-05	9.11301E-05	9.5784E-05	4.39294E-05	8.15946E-05	6.59305E-05
2396	9.7441E-05	0.000102386	3.77063E-05	8.32755E-05	5.94207E-05	9.34704E-05	9.81884E-05	4.56189E-05	8.32755E-05	5.66084E-05
2397	9.41127E-05	9.88636E-05	3.67195E-05	7.9241E-05	5.1468E-05	8.97196E-05	9.42454E-05	4.38178E-05	7.9241E-05	4.95036E-05
2398	8.91866E-05	9.38095E-05	3.33407E-05	7.29424E-05	4.58786E-05	8.43066E-05	8.86247E-05	4.05115E-05	7.29424E-05	4.48048E-05
2399	7.89323E-05	8.31004E-05	2.858E-05	6.54076E-05	4.48494E-05	7.51151E-05	7.89607E-05	3.61127E-05	6.54076E-05	4.37689E-05
2400	7.06747E-05	7.45606E-05	2.37313E-05	6.03932E-05	4.43887E-05	6.8316E-05	7.18301E-05	3.26747E-05	6.03932E-05	4.331E-05
2401	6.16784E-05	6.52226E-05	1.88636E-05	5.44239E-05	4.4307E-05	6.06298E-05	6.37655E-05	2.88267E-05	5.44239E-05	4.32332E-05
2402	5.98562E-05	6.33847E-05	1.72311E-05	5.40761E-05	4.49325E-05	5.95385E-05	6.26221E-05	2.82638E-05	5.40761E-05	4.38753E-05
2403	6.09992E-05	6.4625E-05	1.71981E-05	5.63253E-05	4.67584E-05	6.12516E-05	6.43859E-05	2.94627E-05	5.63253E-05	4.57345E-05
2404	6.59063E-05	6.98329E-05	1.84708E-05	6.20118E-05	5.03849E-05	6.66924E-05	7.00647E-05	3.24897E-05	6.20118E-05	4.94114E-05
2405	7.23953E-05	7.66897E-05	2.05166E-05	6.79662E-05	5.41552E-05	7.31614E-05	7.6873E-05	3.5517E-05	6.79662E-05	5.32216E-05
2406	7.68929E-05	8.14098E-05	2.23267E-05	7.10328E-05	5.49653E-05	7.71317E-05	8.10828E-05	3.70592E-05	7.10328E-05	5.40077E-05
2407	7.73497E-05	8.17802E-05	2.38276E-05	7.05246E-05	9.67172E-05	7.69905E-05	8.09303E-05	3.70316E-05	7.05246E-05	9.06129E-05
2408	7.13651E-05	7.53068E-05	2.37466E-05	6.74017E-05	9.54465E-05	7.17828E-05	7.53406E-05	3.56996E-05	6.74017E-05	8.92972E-05
2409	6.88184E-05	7.25843E-05	2.33251E-05	6.39945E-05	9.6198E-05	6.8728E-05	7.2158E-05	3.39399E-05	6.39945E-05	9.00373E-05
2410	6.81815E-05	7.18823E-05	2.34743E-05	6.24197E-05	9.65645E-05	6.7616E-05	7.1018E-05	3.31117E-05	6.24197E-05	9.03938E-05
2411	6.78615E-05	7.15206E-05	2.36574E-05	6.14096E-05	9.68776E-05	6.69472E-05	7.03338E-05	3.26004E-05	6.14096E-05	9.07017E-05
2412	6.60944E-05	6.96668E-05	2.29382E-05	5.98696E-05	9.09112E-05	6.52446E-05	6.85497E-05	3.17243E-05	5.98696E-05	8.55946E-05
2413	6.45037E-05	6.79836E-05	2.24641E-05	5.82088E-05	9.05904E-05	6.35684E-05	6.6795E-05	3.0843E-05	5.82088E-05	8.52692E-05
2414	6.45125E-05	6.80297E-05	2.20234E-05	5.84499E-05	8.89251E-05	6.37429E-05	6.69995E-05	3.07133E-05	5.84499E-05	8.35835E-05
2415	6.78274E-05	7.15626E-05	2.27052E-05	6.18334E-05	9.22162E-05	6.7248E-05	7.06969E-05	3.22692E-05	6.18334E-05	8.59793E-05
2416	7.33503E-05	7.7407E-05	2.43435E-05	6.7043E-05	8.88122E-05	7.28299E-05	7.65713E-05	3.48839E-05	6.7043E-05	8.25447E-05
2417	7.84547E-05	8.28039E-05	2.59146E-05	7.15572E-05	8.60375E-05	7.78514E-05	8.1869E-05	3.7104E-05	7.15572E-05	7.97489E-05
2418	8.55136E-05	9.01462E-05	2.955E-05	7.63631E-05	8.44209E-05	8.39621E-05	8.8288E-05	4.00879E-05	7.63631E-05	7.81246E-05
2419	9.436E-05	9.92638E-05	3.51202E-05	8.15946E-05	7.05057E-05	9.11301E-05	9.5784E-05	4.39294E-05	8.15946E-05	6.59305E-05
2420	9.7441E-05	0.000102386	3.77063E-05	8.32755E-05	5.94207E-05	9.34704E-05	9.81884E-05	4.56189E-05	8.32755E-05	5.66084E-05
2421	9.41127E-05	9.88636E-05	3.67195E-05	7.9241E-05	5.1468E-05	8.97196E-05	9.42454E-05	4.38178E-05	7.9241E-05	4.95036E-05
2422	8.91866E-05	9.38095E-05	3.33407E-05	7.29424E-05	4.58786E-05	8.43066E-05	8.86247E-05	4.05115E-05	7.29424E-05	4.48048E-05
2423	7.89323E-05	8.31004E-05	2.858E-05	6.54076E-05	4.48494E-05	7.51151E-05	7.89607E-05	3.61127E-05	6.54076E-05	4.37689E-05

2424	7.06747E-05	7.45606E-05	2.37313E-05	6.03932E-05	4.43887E-05	6.8316E-05	7.18301E-05	3.26747E-05	6.03932E-05	4.331E-05
2425	6.19965E-05	6.55578E-05	1.8974E-05	5.48557E-05	4.42941E-05	6.10054E-05	6.41519E-05	2.90928E-05	5.48557E-05	4.32216E-05
2426	6.01464E-05	6.36902E-05	1.73355E-05	5.44837E-05	4.49126E-05	5.98865E-05	6.29792E-05	2.852E-05	5.44837E-05	4.3857E-05
2427	6.124E-05	6.48782E-05	1.72892E-05	5.66803E-05	4.67445E-05	6.1547E-05	6.46878E-05	2.96918E-05	5.66803E-05	4.5722E-05
2428	6.61417E-05	7.00793E-05	1.85743E-05	6.24124E-05	5.03658E-05	6.7002E-05	7.03776E-05	3.27663E-05	6.24124E-05	4.93925E-05
2429	7.25299E-05	7.68292E-05	2.05918E-05	6.82548E-05	5.40974E-05	7.33616E-05	7.70716E-05	3.57336E-05	6.82548E-05	5.31637E-05
2430	7.70359E-05	8.15589E-05	2.23965E-05	7.1302E-05	5.48754E-05	7.73299E-05	8.12814E-05	3.72525E-05	7.1302E-05	5.39179E-05
2431	7.60513E-05	8.03741E-05	2.38308E-05	7.06292E-05	9.66415E-05	7.61947E-05	8.00461E-05	3.71331E-05	7.06292E-05	9.05373E-05
2432	7.16369E-05	7.55938E-05	2.38365E-05	6.77539E-05	9.53081E-05	7.20974E-05	7.56653E-05	3.59105E-05	6.77539E-05	8.91595E-05
2433	6.91292E-05	7.29122E-05	2.34283E-05	6.43987E-05	9.59713E-05	6.90881E-05	7.25297E-05	3.41825E-05	6.43987E-05	8.9811E-05
2434	6.84218E-05	7.21358E-05	2.35546E-05	6.27342E-05	9.63241E-05	6.78952E-05	7.13061E-05	3.33013E-05	6.27342E-05	9.01541E-05
2435	6.80943E-05	7.17663E-05	2.37346E-05	6.17121E-05	9.66136E-05	6.72169E-05	7.06121E-05	3.27819E-05	6.17121E-05	9.0438E-05
2436	6.62681E-05	6.98496E-05	2.30024E-05	6.01196E-05	9.07571E-05	6.54553E-05	6.87654E-05	3.18835E-05	6.01196E-05	8.54424E-05
2437	6.46695E-05	6.8158E-05	2.25272E-05	5.84545E-05	9.04476E-05	6.37723E-05	6.70033E-05	3.10019E-05	5.84545E-05	8.51278E-05
2438	6.4629E-05	6.8152E-05	2.20698E-05	5.86301E-05	8.87913E-05	6.3889E-05	6.71483E-05	3.08324E-05	5.86301E-05	8.34508E-05
2439	6.79942E-05	7.17385E-05	2.27613E-05	6.20532E-05	9.21174E-05	6.74424E-05	7.08973E-05	3.24022E-05	6.20532E-05	8.58815E-05
2440	7.345E-05	7.75118E-05	2.43817E-05	6.71916E-05	8.87646E-05	7.29529E-05	7.66969E-05	3.49804E-05	6.71916E-05	8.24973E-05
2441	7.83665E-05	8.27111E-05	2.5881E-05	7.14262E-05	8.60331E-05	7.77428E-05	8.17581E-05	3.70192E-05	7.14262E-05	7.9745E-05
2442	8.54413E-05	9.00702E-05	2.95225E-05	7.62561E-05	8.44282E-05	8.38732E-05	8.81972E-05	4.00187E-05	7.62561E-05	7.81325E-05
2443	9.43139E-05	9.92145E-05	3.51128E-05	8.1564E-05	7.05302E-05	9.10881E-05	9.57386E-05	4.39223E-05	8.1564E-05	6.59551E-05
2444	9.73917E-05	0.000102332	3.77112E-05	8.32903E-05	5.94223E-05	9.34439E-05	9.81555E-05	4.56579E-05	8.32903E-05	5.66091E-05
2445	9.55942E-05	0.000100462	3.67906E-05	7.94248E-05	5.15031E-05	9.07472E-05	9.53654E-05	4.39087E-05	7.94248E-05	4.95378E-05
2446	8.91831E-05	9.3805E-05	3.33481E-05	7.29696E-05	4.59072E-05	8.43149E-05	8.8631E-05	4.05399E-05	7.29696E-05	4.48326E-05
2447	7.88809E-05	8.30454E-05	2.85719E-05	6.53739E-05	4.48813E-05	7.50685E-05	7.89102E-05	3.61052E-05	6.53739E-05	4.38E-05
2448	7.06397E-05	7.45234E-05	2.37236E-05	6.03623E-05	4.44403E-05	6.82811E-05	7.17931E-05	3.26617E-05	6.03623E-05	4.33611E-05
2449	6.19965E-05	6.55578E-05	1.8974E-05	5.48557E-05	4.42941E-05	6.10054E-05	6.41519E-05	2.90928E-05	5.48557E-05	4.32216E-05
2450	6.01464E-05	6.36902E-05	1.73355E-05	5.44837E-05	4.49126E-05	5.98865E-05	6.29792E-05	2.852E-05	5.44837E-05	4.3857E-05
2451	6.124E-05	6.48782E-05	1.72892E-05	5.66803E-05	4.67445E-05	6.1547E-05	6.46878E-05	2.96918E-05	5.66803E-05	4.5722E-05
2452	6.61417E-05	7.00793E-05	1.85743E-05	6.24124E-05	5.03658E-05	6.7002E-05	7.03776E-05	3.27663E-05	6.24124E-05	4.93925E-05
2453	7.25299E-05	7.68292E-05	2.05918E-05	6.82548E-05	5.40974E-05	7.33616E-05	7.70716E-05	3.57336E-05	6.82548E-05	5.31637E-05
2454	7.70359E-05	8.15589E-05	2.23965E-05	7.1302E-05	5.48754E-05	7.73299E-05	8.12814E-05	3.72525E-05	7.1302E-05	5.39179E-05
2455	7.60513E-05	8.03741E-05	2.38308E-05	7.06292E-05	9.66415E-05	7.61947E-05	8.00461E-05	3.71331E-05	7.06292E-05	9.05373E-05
2456	7.16369E-05	7.55938E-05	2.38365E-05	6.77539E-05	9.53081E-05	7.20974E-05	7.56653E-05	3.59105E-05	6.77539E-05	8.91595E-05
2457	6.91292E-05	7.29122E-05	2.34283E-05	6.43987E-05	9.59713E-05	6.90881E-05	7.25297E-05	3.41825E-05	6.43987E-05	8.9811E-05
2458	6.84218E-05	7.21358E-05	2.35546E-05	6.27342E-05	9.63241E-05	6.78952E-05	7.13061E-05	3.33013E-05	6.27342E-05	9.01541E-05
2459	6.80943E-05	7.17663E-05	2.37346E-05	6.17121E-05	9.66136E-05	6.72169E-05	7.06121E-05	3.27819E-05	6.17121E-05	9.0438E-05
2460	6.62681E-05	6.98496E-05	2.30024E-05	6.01196E-05	9.07571E-05	6.54553E-05	6.87654E-05	3.18835E-05	6.01196E-05	8.54424E-05
2461	6.46695E-05	6.8158E-05	2.25272E-05	5.84545E-05	9.04476E-05	6.37723E-05	6.70033E-05	3.10019E-05	5.84545E-05	8.51278E-05
2462	6.4629E-05	6.8152E-05	2.20698E-05	5.86301E-05	8.87913E-05	6.3889E-05	6.71483E-05	3.08324E-05	5.86301E-05	8.34508E-05
2463	6.79942E-05	7.17385E-05	2.27613E-05	6.20532E-05	9.21174E-05	6.74424E-05	7.08973E-05	3.24022E-05	6.20532E-05	8.58815E-05
2464	7.345E-05	7.75118E-05	2.43817E-05	6.71916E-05	8.87646E-05	7.29529E-05	7.66969E-05	3.49804E-05	6.71916E-05	8.24973E-05
2465	7.83665E-05	8.27111E-05	2.5881E-05	7.14262E-05	8.60331E-05	7.77428E-05	8.17581E-05	3.70192E-05	7.14262E-05	7.9745E-05
2466	8.54413E-05	9.00702E-05	2.95225E-05	7.62561E-05	8.44282E-05	8.38732E-05	8.81972E-05	4.00187E-05	7.62561E-05	7.81325E-05
2467	9.43139E-05	9.92145E-05	3.51128E-05	8.1564E-05	7.05302E-05	9.10881E-05	9.57386E-05	4.39223E-05	8.1564E-05	6.59551E-05
2468	9.73917E-05	0.000102332	3.77112E-05	8.32903E-05	5.94223E-05	9.34439E-05	9.81555E-05	4.56579E-05	8.32903E-05	5.66091E-05
2469	9.55942E-05	0.000100462	3.67906E-05	7.94248E-05	5.15031E-05	9.07472E-05	9.53654E-05	4.39087E-05	7.94248E-05	4.95378E-05
2470	8.91831E-05	9.3805E-05	3.33481E-05	7.29696E-05	4.59072E-05	8.43149E-05	8.8631E-05	4.05399E-05	7.29696E-05	4.48326E-05
2471	7.88809E-05	8.30454E-05	2.85719E-05	6.53739E-05	4.48813E-05	7.50685E-05	7.89102E-05	3.61052E-05	6.53739E-05	4.38E-05
2472	7.06397E-05	7.45234E-05	2.37236E-05	6.03623E-05	4.44403E-05	6.82811E-05	7.17931E-05	3.26617E-05	6.03623E-05	4.33611E-05
2473	6.19965E-05	6.55578E-05	1.8974E-05	5.48557E-05	4.42941E-05	6.10054E-05	6.41519E-05	2.90928E-05	5.48557E-05	4.32216E-05
2474	6.01464E-05	6.36902E-05	1.73355E-05	5.44837E-05	4.49126E-05	5.98865E-05	6.29792E-05	2.852E-05	5.44837E-05	4.3857E-05
2475	6.124E-05	6.48782E-05	1.72892E-05	5.66803E-05	4.67445E-05	6.1547E-05	6.46878E-05	2.96918E-05	5.66803E-05	4.5722E-05
2476	6.61417E-05	7.00793E-05	1.85743E-05	6.24124E-05	5.03658E-05	6.7002E-05	7.03776E-05	3.27663E-05	6.24124E-05	4.93925E-05
2477	7.25299E-05	7.68292E-05	2.05918E-05	6.82548E-05	5.40974E-05	7.33616E-05	7.70716E-05	3.57336E-05	6.82548E-05	5.31637E-05
2478	7.70359E-05	8.15589E-05	2.23965E-05	7.1302E-05	5.48754E-05	7.73299E-05	8.12814E-05	3.72525E-05	7.1302E-05	5.39179E-05
2479	7.60513E-05	8.03741E-05	2.38308E-05	7.06292E-05	9.66415E-05	7.61947E-05	8.00461E-05	3.71331E-05	7.06292E-05	9.05373E-05
2480	7.16369E-05	7.55938E-05	2.38365E-05	6.77539E-05	9.53081E-05	7.20974E-05	7.56653E-05	3.59105E-05	6.77539E-05	8.91595E-05
2481	6.91292E-05	7.29122E-05	2.34283E-05	6.43987E-05	9.59713E-05	6.90881E-05	7.25297E-05	3.41825E-05	6.43987E-05	8.9811E-05
2482	6.84218E-05	7.21358E-05	2.35546E-05	6.27342E-05	9.63241E-05	6.78952E-05	7.13061E-05	3.33013E-05	6.27342E-05	9.01541E-05
2483	6.80943E-05	7.17663E-05	2.37346E-05	6.17121E-05	9.66136E-05	6.72169E-05	7.06121E-05	3.27819E-05	6.17121E-05	9.0438E-05
2484	6.62681E-05	6.98496E-05	2.30024E-05	6.01196E-05	9.07571E-05	6.54553E-05	6.87654E-05	3.18835E-05	6.01196E-05	8.54424E-05
2485	6.46695E-05	6.8158E-05	2.25272E-05	5.84545E-05	9.04476E-05	6.37723E-05	6.70033E-05	3.10019E-05	5.84545E-05	8.51278E-05
2486	6.4629E-05	6.8152E-05	2.20698E-05	5.86301E-05	8.87913E-05	6.3889E-05	6.71483E-05	3.08324E-05	5.86301E-05	8.34508E-05
2487	6.79942E-05	7.17385E-05	2.27613E-05	6.20532E-05	9.21174E-05	6.74424E-05	7.08973E-05	3.24022E-05	6.20532E-05	8.58815E-05
2488	7.345E-05	7.75118E-05	2.43817E-05	6.71916E-05	8.87646E-05	7.29529E-05	7.66969E-05	3.49804E-05	6.71916E-05	8.24973E-05
2489	7.83665E-05	8.27111E-05	2.5881E-05	7.14262E-05	8.60331E-05	7.77428E-05	8.17581E-05	3.70192E-05	7.14262E-05	7.9745E-05
2490	8.54413E-05	9.00702E-05	2.95225E-05	7.62561E-05	8.44282E-05	8.38732E-05	8.81972E-05	4.00187E-05	7.62561E-05	7.81325E-05
2491	9.43139E-05	9.92145E-05	3.51128E-05	8.1564E-05	7.05302E-05	9.10881E-05	9.57386E-05	4.39223E-05	8.1564E-05	6.59551E-05
2492	9.73917E-05	0.000102332	3.77112E-05	8.32903E-05	5.94223E-05	9.34439E-05	9.81555E-05	4.56579E-05	8.32903E-05	5.66091E-05
2493	9.55942E-05	0.000100462	3.67906E-05	7.94248E-05	5.15031E-05	9.07472E-05	9.53654E-05	4.39087E-05	7.94248E-05	4.95378E-05
2494	8.91831E-05	9.3805E-05	3.33481E-05	7.29696E-05	4.59072E-05	8.43149E-05	8.8631E-05	4.05399E-05	7.29696E-05	4.48326E-05
2495	7.88809E-05	8.30454E-05	2.85719E-05	6.53739E-05	4.48813E-05	7.50685E-05	7.89102E-05	3.61052E-05	6.53739E-05	4.38E-05
2496	7.06397E-05	7.45234E-05	2.37236E-05	6.03623E-05	4.44403E-05	6.82811E-05	7.17931E-05	3.26617E-05	6.03623E-05	4.33611E-05
2497	6.19965E-05	6.55578E-05	1.8974E-05	5.48557E-05	4.42941E-05	6.10054E-05	6.41519E-05	2.90928E-05	5.48557E-05	4.32216E-05
2498	6.01464E-05	6.36902E-05	1.73355E-05	5.44837E-05	4.49126E-05	5.98865E-05	6.29792E-05	2.852E-05	5.44837E-05	4.3857E-05
2499	6.124E-05	6.48782E-05	1.72892E-05	5.66803E-05	4.67445E-05	6.1547E-05	6.46878E-05	2.96918E-05	5.66803E-05	4.5722E-05

2500	6.61417E-05	7.00793E-05	1.85743E-05	6.24124E-05	5.03658E-05	6.7002E-05	7.03776E-05	3.27663E-05	6.24124E-05	4.93925E-05
2501	7.25299E-05	7.68292E-05	2.05918E-05	6.82548E-05	5.40974E-05	7.33616E-05	7.70716E-05	3.57336E-05	6.82548E-05	5.31637E-05
2502	7.70359E-05	8.15589E-05	2.23965E-05	7.1302E-05	5.48754E-05	7.73299E-05	8.12814E-05	3.72525E-05	7.1302E-05	5.39179E-05
2503	7.60513E-05	8.03741E-05	2.38308E-05	7.06292E-05	9.66415E-05	7.61947E-05	8.00461E-05	3.71331E-05	7.06292E-05	9.05373E-05
2504	7.16369E-05	7.55938E-05	2.38365E-05	6.77539E-05	9.53081E-05	7.20974E-05	7.56653E-05	3.59105E-05	6.77539E-05	8.91595E-05
2505	6.91292E-05	7.29122E-05	2.34283E-05	6.43987E-05	9.59713E-05	6.90881E-05	7.25297E-05	3.41825E-05	6.43987E-05	8.9811E-05
2506	6.84218E-05	7.21358E-05	2.35546E-05	6.27342E-05	9.63241E-05	6.78952E-05	7.13061E-05	3.33013E-05	6.27342E-05	9.01541E-05
2507	6.80943E-05	7.17663E-05	2.37346E-05	6.17121E-05	9.66136E-05	6.72169E-05	7.06121E-05	3.27819E-05	6.17121E-05	9.0438E-05
2508	6.62681E-05	6.98496E-05	2.30024E-05	6.01196E-05	9.07571E-05	6.54553E-05	6.87654E-05	3.18835E-05	6.01196E-05	8.54424E-05
2509	6.46695E-05	6.8158E-05	2.25272E-05	5.84545E-05	9.04476E-05	6.37723E-05	6.70033E-05	3.10019E-05	5.84545E-05	8.51278E-05
2510	6.4629E-05	6.8152E-05	2.20698E-05	5.86301E-05	8.87913E-05	6.3889E-05	6.71483E-05	3.08324E-05	5.86301E-05	8.34508E-05
2511	6.79942E-05	7.17385E-05	2.27613E-05	6.20532E-05	9.21174E-05	6.74424E-05	7.08973E-05	3.24022E-05	6.20532E-05	8.58815E-05
2512	7.345E-05	7.75118E-05	2.43817E-05	6.71916E-05	8.87646E-05	7.29529E-05	7.66969E-05	3.49804E-05	6.71916E-05	8.24973E-05
2513	7.83665E-05	8.27111E-05	2.5881E-05	7.14262E-05	8.60331E-05	7.77428E-05	8.17581E-05	3.70192E-05	7.14262E-05	7.9745E-05
2514	8.54413E-05	9.00702E-05	2.95225E-05	7.62561E-05	8.44282E-05	8.38732E-05	8.81972E-05	4.00187E-05	7.62561E-05	7.81325E-05
2515	9.43139E-05	9.92145E-05	3.51128E-05	8.1564E-05	7.05302E-05	9.10881E-05	9.57386E-05	4.39223E-05	8.1564E-05	6.59551E-05
2516	9.73917E-05	0.000102332	3.77112E-05	8.32903E-05	5.94223E-05	9.34439E-05	9.81555E-05	4.56579E-05	8.32903E-05	5.66091E-05
2517	9.55942E-05	0.000100462	3.67906E-05	7.94248E-05	5.15031E-05	9.07472E-05	9.53654E-05	4.39087E-05	7.94248E-05	4.95378E-05
2518	8.91831E-05	9.3805E-05	3.33481E-05	7.29696E-05	4.59072E-05	8.43149E-05	8.8631E-05	4.05399E-05	7.29696E-05	4.48326E-05
2519	7.88809E-05	8.30454E-05	2.85719E-05	6.53739E-05	4.48813E-05	7.50685E-05	7.89102E-05	3.61052E-05	6.53739E-05	4.38E-05
2520	7.06397E-05	7.45234E-05	2.37236E-05	6.03623E-05	4.44403E-05	6.82811E-05	7.17931E-05	3.26617E-05	6.03623E-05	4.33611E-05
2521	6.19965E-05	6.55578E-05	1.8974E-05	5.48557E-05	4.42941E-05	6.10054E-05	6.41519E-05	2.90928E-05	5.48557E-05	4.32216E-05
2522	6.01464E-05	6.36902E-05	1.73355E-05	5.44837E-05	4.49126E-05	5.98865E-05	6.29792E-05	2.852E-05	5.44837E-05	4.3857E-05
2523	6.124E-05	6.48782E-05	1.72892E-05	5.66803E-05	4.67445E-05	6.1547E-05	6.46878E-05	2.96918E-05	5.66803E-05	4.5722E-05
2524	6.61417E-05	7.00793E-05	1.85743E-05	6.24124E-05	5.03658E-05	6.7002E-05	7.03776E-05	3.27663E-05	6.24124E-05	4.93925E-05
2525	7.25299E-05	7.68292E-05	2.05918E-05	6.82548E-05	5.40974E-05	7.33616E-05	7.70716E-05	3.57336E-05	6.82548E-05	5.31637E-05
2526	7.70359E-05	8.15589E-05	2.23965E-05	7.1302E-05	5.48754E-05	7.73299E-05	8.12814E-05	3.72525E-05	7.1302E-05	5.39179E-05
2527	7.60513E-05	8.03741E-05	2.38308E-05	7.06292E-05	9.66415E-05	7.61947E-05	8.00461E-05	3.71331E-05	7.06292E-05	9.05373E-05
2528	7.16369E-05	7.55938E-05	2.38365E-05	6.77539E-05	9.53081E-05	7.20974E-05	7.56653E-05	3.59105E-05	6.77539E-05	8.91595E-05
2529	6.91292E-05	7.29122E-05	2.34283E-05	6.43987E-05	9.59713E-05	6.90881E-05	7.25297E-05	3.41825E-05	6.43987E-05	8.9811E-05
2530	6.84218E-05	7.21358E-05	2.35546E-05	6.27342E-05	9.63241E-05	6.78952E-05	7.13061E-05	3.33013E-05	6.27342E-05	9.01541E-05
2531	6.80943E-05	7.17663E-05	2.37346E-05	6.17121E-05	9.66136E-05	6.72169E-05	7.06121E-05	3.27819E-05	6.17121E-05	9.0438E-05
2532	6.62681E-05	6.98496E-05	2.30024E-05	6.01196E-05	9.07571E-05	6.54553E-05	6.87654E-05	3.18835E-05	6.01196E-05	8.54424E-05
2533	6.46695E-05	6.8158E-05	2.25272E-05	5.84545E-05	9.04476E-05	6.37723E-05	6.70033E-05	3.10019E-05	5.84545E-05	8.51278E-05
2534	6.4629E-05	6.8152E-05	2.20698E-05	5.86301E-05	8.87913E-05	6.3889E-05	6.71483E-05	3.08324E-05	5.86301E-05	8.34508E-05
2535	6.79942E-05	7.17385E-05	2.27613E-05	6.20532E-05	9.21174E-05	6.74424E-05	7.08973E-05	3.24022E-05	6.20532E-05	8.58815E-05
2536	7.345E-05	7.75118E-05	2.43817E-05	6.71916E-05	8.87646E-05	7.29529E-05	7.66969E-05	3.49804E-05	6.71916E-05	8.24973E-05
2537	7.83665E-05	8.27111E-05	2.5881E-05	7.14262E-05	8.60331E-05	7.77428E-05	8.17581E-05	3.70192E-05	7.14262E-05	7.9745E-05
2538	8.54413E-05	9.00702E-05	2.95225E-05	7.62561E-05	8.44282E-05	8.38732E-05	8.81972E-05	4.00187E-05	7.62561E-05	7.81325E-05
2539	9.43139E-05	9.92145E-05	3.51128E-05	8.1564E-05	7.05302E-05	9.10881E-05	9.57386E-05	4.39223E-05	8.1564E-05	6.59551E-05
2540	9.73917E-05	0.000102332	3.77112E-05	8.32903E-05	5.94223E-05	9.34439E-05	9.81555E-05	4.56579E-05	8.32903E-05	5.66091E-05
2541	9.55942E-05	0.000100462	3.67906E-05	7.94248E-05	5.15031E-05	9.07472E-05	9.53654E-05	4.39087E-05	7.94248E-05	4.95378E-05
2542	8.91831E-05	9.3805E-05	3.33481E-05	7.29696E-05	4.59072E-05	8.43149E-05	8.8631E-05	4.05399E-05	7.29696E-05	4.48326E-05
2543	7.88809E-05	8.30454E-05	2.85719E-05	6.53739E-05	4.48813E-05	7.50685E-05	7.89102E-05	3.61052E-05	6.53739E-05	4.38E-05
2544	7.06397E-05	7.45234E-05	2.37236E-05	6.03623E-05	4.44403E-05	6.82811E-05	7.17931E-05	3.26617E-05	6.03623E-05	4.33611E-05
2545	6.16784E-05	6.52226E-05	1.88636E-05	5.44239E-05	4.4307E-05	6.06298E-05	6.37655E-05	2.88267E-05	5.44239E-05	4.32332E-05
2546	5.98562E-05	6.33847E-05	1.72311E-05	5.40761E-05	4.49325E-05	5.95385E-05	6.26221E-05	2.82638E-05	5.40761E-05	4.38753E-05
2547	6.09992E-05	6.4625E-05	1.71981E-05	5.63253E-05	4.67584E-05	6.12516E-05	6.43859E-05	2.94627E-05	5.63253E-05	4.57345E-05
2548	6.59063E-05	6.98329E-05	1.84708E-05	6.20118E-05	5.03849E-05	6.66924E-05	7.00647E-05	3.24897E-05	6.20118E-05	4.94114E-05
2549	7.23953E-05	7.66897E-05	2.05166E-05	6.79662E-05	5.41552E-05	7.31614E-05	7.6873E-05	3.5517E-05	6.79662E-05	5.32216E-05
2550	7.68929E-05	8.14098E-05	2.23267E-05	7.10328E-05	5.49653E-05	7.71317E-05	8.10828E-05	3.70592E-05	7.10328E-05	5.40077E-05
2551	7.73497E-05	8.17802E-05	2.38276E-05	7.05246E-05	9.67172E-05	7.69905E-05	8.09303E-05	3.70316E-05	7.05246E-05	9.06129E-05
2552	7.13651E-05	7.53068E-05	2.37466E-05	6.74017E-05	9.54465E-05	7.17828E-05	7.53406E-05	3.56996E-05	6.74017E-05	8.92972E-05
2553	6.88184E-05	7.25843E-05	2.33251E-05	6.39945E-05	9.6198E-05	6.8728E-05	7.2158E-05	3.39399E-05	6.39945E-05	9.00373E-05
2554	6.81815E-05	7.18823E-05	2.34743E-05	6.24197E-05	9.65645E-05	6.7616E-05	7.1018E-05	3.31117E-05	6.24197E-05	9.03938E-05
2555	6.78615E-05	7.15206E-05	2.36574E-05	6.14096E-05	9.68776E-05	6.69472E-05	7.03338E-05	3.26004E-05	6.14096E-05	9.07017E-05
2556	6.60944E-05	6.96668E-05	2.29382E-05	5.98696E-05	9.09112E-05	6.52446E-05	6.85497E-05	3.17243E-05	5.98696E-05	8.55946E-05
2557	6.45037E-05	6.79836E-05	2.24641E-05	5.82088E-05	9.05904E-05	6.35684E-05	6.6795E-05	3.0843E-05	5.82088E-05	8.52692E-05
2558	6.45125E-05	6.80297E-05	2.20234E-05	5.84499E-05	8.89251E-05	6.37429E-05	6.69995E-05	3.07133E-05	5.84499E-05	8.35835E-05
2559	6.78274E-05	7.15626E-05	2.27052E-05	6.18334E-05	9.22162E-05	6.7248E-05	7.06969E-05	3.22692E-05	6.18334E-05	8.59793E-05
2560	7.33503E-05	7.7407E-05	2.43435E-05	6.7043E-05	8.88122E-05	7.28299E-05	7.65713E-05	3.48839E-05	6.7043E-05	8.25447E-05
2561	7.84547E-05	8.28039E-05	2.59146E-05	7.15572E-05	8.60375E-05	7.78514E-05	8.1869E-05	3.7104E-05	7.15572E-05	7.97489E-05
2562	8.55136E-05	9.01462E-05	2.955E-05	7.63631E-05	8.44209E-05	8.39621E-05	8.8288E-05	4.00879E-05	7.63631E-05	7.81246E-05
2563	9.436E-05	9.92638E-05	3.51202E-05	8.15946E-05	7.05057E-05	9.11301E-05	9.5784E-05	4.39294E-05	8.15946E-05	6.59305E-05
2564	9.7441E-05	0.000102386	3.77063E-05	8.32755E-05	5.94207E-05	9.34704E-05	9.81884E-05	4.56189E-05	8.32755E-05	5.66084E-05
2565	9.41127E-05	9.88636E-05	3.67195E-05	7.9241E-05	5.1468E-05	8.97196E-05	9.42454E-05	4.38178E-05	7.9241E-05	4.95036E-05
2566	8.91866E-05	9.38095E-05	3.33407E-05	7.29424E-05	4.58786E-05	8.43066E-05	8.86247E-05	4.05115E-05	7.29424E-05	4.48048E-05
2567	7.89323E-05	8.31004E-05	2.858E-05	6.54076E-05	4.48494E-05	7.51151E-05	7.89607E-05	3.61127E-05	6.54076E-05	4.37689E-05
2568	7.06747E-05	7.45606E-05	2.37313E-05	6.03932E-05	4.43887E-05	6.8316E-05	7.18301E-05	3.26747E-05	6.03932E-05	4.331E-05
2569	6.16784E-05	6.52226E-05	1.88636E-05	5.44239E-05	4.4307E-05	6.06298E-05	6.37655E-05	2.88267E-05	5.44239E-05	4.32332E-05
2570	5.98562E-05	6.33847E-05	1.72311E-05	5.40761E-05	4.49325E-05	5.95385E-05	6.26221E-05	2.82638E-05	5.40761E-05	4.38753E-05
2571	6.09992E-05	6.4625E-05	1.71981E-05	5.63253E-05	4.67584E-05	6.12516E-05	6.43859E-05	2.94627E-05	5.63253E-05	4.57345E-05
2572	6.59063E-05	6.98329E-05	1.84708E-05	6.20118E-05	5.03849E-05	6.66924E-05	7.00647E-05	3.24897E-05	6.20118E-05	4.94114E-05
2573	7.23953E-05	7.66897E-05	2.05166E-05	6.79662E-05	5.41552E-05	7.31614E-05	7.6873E-05	3.5517E-05	6.79662E-05	5.32216E-05
2574	7.68929E-05	8.14098E-05	2.23267E-05	7.10328E-05	5.49653E-05	7.71317E-05	8.10828E-05	3.70592E-05	7.10328E-05	5.40077E-05
2575	7.73497E-05	8.17802E-05	2.38276E-05	7.05246E-05	9.67172E-05	7.69905E-05	8.09303E-05	3.70316E-05	7.05246E-05	9.06129E-05

2576	7.13651E-05	7.53068E-05	2.37466E-05	6.74017E-05	9.54465E-05	7.17828E-05	7.53406E-05	3.56996E-05	6.74017E-05	8.92972E-05
2577	6.88184E-05	7.25843E-05	2.33251E-05	6.39945E-05	9.6198E-05	6.8728E-05	7.2158E-05	3.39399E-05	6.39945E-05	9.00373E-05
2578	6.81815E-05	7.18823E-05	2.34743E-05	6.24197E-05	9.65645E-05	6.7616E-05	7.1018E-05	3.31117E-05	6.24197E-05	9.03938E-05
2579	6.78615E-05	7.15206E-05	2.36574E-05	6.14096E-05	9.68776E-05	6.69472E-05	7.03338E-05	3.26004E-05	6.14096E-05	9.07017E-05
2580	6.60944E-05	6.96668E-05	2.29382E-05	5.98696E-05	9.09112E-05	6.52446E-05	6.85497E-05	3.17243E-05	5.98696E-05	8.55946E-05
2581	6.45037E-05	6.79836E-05	2.24641E-05	5.82088E-05	9.05904E-05	6.35684E-05	6.6795E-05	3.0843E-05	5.82088E-05	8.52692E-05
2582	6.45125E-05	6.80297E-05	2.20234E-05	5.84499E-05	8.89251E-05	6.37429E-05	6.69995E-05	3.07133E-05	5.84499E-05	8.35835E-05
2583	6.78274E-05	7.15626E-05	2.27052E-05	6.18334E-05	9.22162E-05	6.7248E-05	7.06969E-05	3.22692E-05	6.18334E-05	8.59793E-05
2584	7.33503E-05	7.7407E-05	2.43435E-05	6.7043E-05	8.88122E-05	7.28299E-05	7.65713E-05	3.48839E-05	6.7043E-05	8.25447E-05
2585	7.84547E-05	8.28039E-05	2.59146E-05	7.15572E-05	8.60375E-05	7.78514E-05	8.1869E-05	3.7104E-05	7.15572E-05	7.97489E-05
2586	8.55136E-05	9.01462E-05	2.955E-05	7.63631E-05	8.44209E-05	8.39621E-05	8.8288E-05	4.00879E-05	7.63631E-05	7.81246E-05
2587	9.436E-05	9.92638E-05	3.51202E-05	8.15946E-05	7.05057E-05	9.11301E-05	9.5784E-05	4.39294E-05	8.15946E-05	6.59305E-05
2588	9.7441E-05	0.000102386	3.77063E-05	8.32755E-05	5.94207E-05	9.34704E-05	9.81884E-05	4.56189E-05	8.32755E-05	5.66084E-05
2589	9.41127E-05	9.88636E-05	3.67195E-05	7.9241E-05	5.1468E-05	8.97196E-05	9.42454E-05	4.38178E-05	7.9241E-05	4.95036E-05
2590	8.91866E-05	9.38095E-05	3.33407E-05	7.29424E-05	4.58786E-05	8.43066E-05	8.86247E-05	4.05115E-05	7.29424E-05	4.48048E-05
2591	7.89323E-05	8.31004E-05	2.858E-05	6.54076E-05	4.48494E-05	7.51151E-05	7.89607E-05	3.61127E-05	6.54076E-05	4.37689E-05
2592	7.06747E-05	7.45606E-05	2.37313E-05	6.03932E-05	4.43887E-05	6.8316E-05	7.18301E-05	3.26747E-05	6.03932E-05	4.331E-05
2593	6.19965E-05	6.55578E-05	1.8974E-05	5.48557E-05	4.42941E-05	6.10054E-05	6.41519E-05	2.90928E-05	5.48557E-05	4.32216E-05
2594	6.01464E-05	6.36902E-05	1.73355E-05	5.44837E-05	4.49126E-05	5.98865E-05	6.29792E-05	2.852E-05	5.44837E-05	4.3857E-05
2595	6.124E-05	6.48782E-05	1.72892E-05	5.66803E-05	4.67445E-05	6.1547E-05	6.46878E-05	2.96918E-05	5.66803E-05	4.5722E-05
2596	6.61417E-05	7.00793E-05	1.85743E-05	6.24124E-05	5.03658E-05	6.7002E-05	7.03776E-05	3.27663E-05	6.24124E-05	4.93925E-05
2597	7.25299E-05	7.68292E-05	2.05918E-05	6.82548E-05	5.40974E-05	7.33616E-05	7.70716E-05	3.57336E-05	6.82548E-05	5.31637E-05
2598	7.70359E-05	8.15589E-05	2.23965E-05	7.1302E-05	5.48754E-05	7.73299E-05	8.12814E-05	3.72525E-05	7.1302E-05	5.39179E-05
2599	7.60513E-05	8.03741E-05	2.38308E-05	7.06292E-05	9.66415E-05	7.61947E-05	8.00461E-05	3.71331E-05	7.06292E-05	9.05373E-05
2600	7.16369E-05	7.55938E-05	2.38365E-05	6.77539E-05	9.53081E-05	7.20974E-05	7.56653E-05	3.59105E-05	6.77539E-05	8.91595E-05
2601	6.91292E-05	7.29122E-05	2.34283E-05	6.43987E-05	9.59713E-05	6.90881E-05	7.25297E-05	3.41825E-05	6.43987E-05	8.9811E-05
2602	6.84218E-05	7.21358E-05	2.35546E-05	6.27342E-05	9.63241E-05	6.78952E-05	7.13061E-05	3.33013E-05	6.27342E-05	9.01541E-05
2603	6.80943E-05	7.17663E-05	2.37346E-05	6.17121E-05	9.66136E-05	6.72169E-05	7.06121E-05	3.27819E-05	6.17121E-05	9.0438E-05
2604	6.62681E-05	6.98496E-05	2.30024E-05	6.01196E-05	9.07571E-05	6.54553E-05	6.87654E-05	3.18835E-05	6.01196E-05	8.54424E-05
2605	6.46695E-05	6.8158E-05	2.25272E-05	5.84545E-05	9.04476E-05	6.37723E-05	6.70033E-05	3.10019E-05	5.84545E-05	8.51278E-05
2606	6.4629E-05	6.8152E-05	2.20698E-05	5.86301E-05	8.87913E-05	6.3889E-05	6.71483E-05	3.08324E-05	5.86301E-05	8.34508E-05
2607	6.79942E-05	7.17385E-05	2.27613E-05	6.20532E-05	9.21174E-05	6.74424E-05	7.08973E-05	3.24022E-05	6.20532E-05	8.58815E-05
2608	7.345E-05	7.75118E-05	2.43817E-05	6.71916E-05	8.87646E-05	7.29529E-05	7.66969E-05	3.49804E-05	6.71916E-05	8.24973E-05
2609	7.83665E-05	8.27111E-05	2.5881E-05	7.14262E-05	8.60331E-05	7.77428E-05	8.17581E-05	3.70192E-05	7.14262E-05	7.9745E-05
2610	8.54413E-05	9.00702E-05	2.95225E-05	7.62561E-05	8.44282E-05	8.38732E-05	8.81972E-05	4.00187E-05	7.62561E-05	7.81325E-05
2611	9.43139E-05	9.92145E-05	3.51128E-05	8.1564E-05	7.05302E-05	9.10881E-05	9.57386E-05	4.39223E-05	8.1564E-05	6.59551E-05
2612	9.73917E-05	0.000102332	3.77112E-05	8.32903E-05	5.94223E-05	9.34439E-05	9.81555E-05	4.56579E-05	8.32903E-05	5.66091E-05
2613	9.55942E-05	0.000100462	3.67906E-05	7.94248E-05	5.15031E-05	9.07472E-05	9.53654E-05	4.39087E-05	7.94248E-05	4.95378E-05
2614	8.91831E-05	9.3805E-05	3.33481E-05	7.29696E-05	4.59072E-05	8.43149E-05	8.8631E-05	4.05399E-05	7.29696E-05	4.48326E-05
2615	7.88809E-05	8.30454E-05	2.85719E-05	6.53739E-05	4.48813E-05	7.50685E-05	7.89102E-05	3.61052E-05	6.53739E-05	4.38E-05
2616	7.06397E-05	7.45234E-05	2.37236E-05	6.03623E-05	4.44403E-05	6.82811E-05	7.17931E-05	3.26617E-05	6.03623E-05	4.33611E-05
2617	6.19965E-05	6.55578E-05	1.8974E-05	5.48557E-05	4.42941E-05	6.10054E-05	6.41519E-05	2.90928E-05	5.48557E-05	4.32216E-05
2618	6.01464E-05	6.36902E-05	1.73355E-05	5.44837E-05	4.49126E-05	5.98865E-05	6.29792E-05	2.852E-05	5.44837E-05	4.3857E-05
2619	6.124E-05	6.48782E-05	1.72892E-05	5.66803E-05	4.67445E-05	6.1547E-05	6.46878E-05	2.96918E-05	5.66803E-05	4.5722E-05
2620	6.61417E-05	7.00793E-05	1.85743E-05	6.24124E-05	5.03658E-05	6.7002E-05	7.03776E-05	3.27663E-05	6.24124E-05	4.93925E-05
2621	7.25299E-05	7.68292E-05	2.05918E-05	6.82548E-05	5.40974E-05	7.33616E-05	7.70716E-05	3.57336E-05	6.82548E-05	5.31637E-05
2622	7.70359E-05	8.15589E-05	2.23965E-05	7.1302E-05	5.48754E-05	7.73299E-05	8.12814E-05	3.72525E-05	7.1302E-05	5.39179E-05
2623	7.60513E-05	8.03741E-05	2.38308E-05	7.06292E-05	9.66415E-05	7.61947E-05	8.00461E-05	3.71331E-05	7.06292E-05	9.05373E-05
2624	7.16369E-05	7.55938E-05	2.38365E-05	6.77539E-05	9.53081E-05	7.20974E-05	7.56653E-05	3.59105E-05	6.77539E-05	8.91595E-05
2625	6.91292E-05	7.29122E-05	2.34283E-05	6.43987E-05	9.59713E-05	6.90881E-05	7.25297E-05	3.41825E-05	6.43987E-05	8.9811E-05
2626	6.84218E-05	7.21358E-05	2.35546E-05	6.27342E-05	9.63241E-05	6.78952E-05	7.13061E-05	3.33013E-05	6.27342E-05	9.01541E-05
2627	6.80943E-05	7.17663E-05	2.37346E-05	6.17121E-05	9.66136E-05	6.72169E-05	7.06121E-05	3.27819E-05	6.17121E-05	9.0438E-05
2628	6.62681E-05	6.98496E-05	2.30024E-05	6.01196E-05	9.07571E-05	6.54553E-05	6.87654E-05	3.18835E-05	6.01196E-05	8.54424E-05
2629	6.46695E-05	6.8158E-05	2.25272E-05	5.84545E-05	9.04476E-05	6.37723E-05	6.70033E-05	3.10019E-05	5.84545E-05	8.51278E-05
2630	6.4629E-05	6.8152E-05	2.20698E-05	5.86301E-05	8.87913E-05	6.3889E-05	6.71483E-05	3.08324E-05	5.86301E-05	8.34508E-05
2631	6.79942E-05	7.17385E-05	2.27613E-05	6.20532E-05	9.21174E-05	6.74424E-05	7.08973E-05	3.24022E-05	6.20532E-05	8.58815E-05
2632	7.345E-05	7.75118E-05	2.43817E-05	6.71916E-05	8.87646E-05	7.29529E-05	7.66969E-05	3.49804E-05	6.71916E-05	8.24973E-05
2633	7.83665E-05	8.27111E-05	2.5881E-05	7.14262E-05	8.60331E-05	7.77428E-05	8.17581E-05	3.70192E-05	7.14262E-05	7.9745E-05
2634	8.54413E-05	9.00702E-05	2.95225E-05	7.62561E-05	8.44282E-05	8.38732E-05	8.81972E-05	4.00187E-05	7.62561E-05	7.81325E-05
2635	9.43139E-05	9.92145E-05	3.51128E-05	8.1564E-05	7.05302E-05	9.10881E-05	9.57386E-05	4.39223E-05	8.1564E-05	6.59551E-05
2636	9.73917E-05	0.000102332	3.77112E-05	8.32903E-05	5.94223E-05	9.34439E-05	9.81555E-05	4.56579E-05	8.32903E-05	5.66091E-05
2637	9.55942E-05	0.000100462	3.67906E-05	7.94248E-05	5.15031E-05	9.07472E-05	9.53654E-05	4.39087E-05	7.94248E-05	4.95378E-05
2638	8.91831E-05	9.3805E-05	3.33481E-05	7.29696E-05	4.59072E-05	8.43149E-05	8.8631E-05	4.05399E-05	7.29696E-05	4.48326E-05
2639	7.88809E-05	8.30454E-05	2.85719E-05	6.53739E-05	4.48813E-05	7.50685E-05	7.89102E-05	3.61052E-05	6.53739E-05	4.38E-05
2640	7.06397E-05	7.45234E-05	2.37236E-05	6.03623E-05	4.44403E-05	6.82811E-05	7.17931E-05	3.26617E-05	6.03623E-05	4.33611E-05
2641	6.19965E-05	6.55578E-05	1.8974E-05	5.48557E-05	4.42941E-05	6.10054E-05	6.41519E-05	2.90928E-05	5.48557E-05	4.32216E-05
2642	6.01464E-05	6.36902E-05	1.73355E-05	5.44837E-05	4.49126E-05	5.98865E-05	6.29792E-05	2.852E-05	5.44837E-05	4.3857E-05
2643	6.124E-05	6.48782E-05	1.72892E-05	5.66803E-05	4.67445E-05	6.1547E-05	6.46878E-05	2.96918E-05	5.66803E-05	4.5722E-05
2644	6.61417E-05	7.00793E-05	1.85743E-05	6.24124E-05	5.03658E-05	6.7002E-05	7.03776E-05	3.27663E-05	6.24124E-05	4.93925E-05
2645	7.25299E-05	7.68292E-05	2.05918E-05	6.82548E-05	5.40974E-05	7.33616E-05	7.70716E-05	3.57336E-05	6.82548E-05	5.31637E-05
2646	7.70359E-05	8.15589E-05	2.23965E-05	7.1302E-05	5.48754E-05	7.73299E-05	8.12814E-05	3.72525E-05	7.1302E-05	5.39179E-05
2647	7.60513E-05	8.03741E-05	2.38308E-05	7.06292E-05	9.66415E-05	7.61947E-05	8.00461E-05	3.71331E-05	7.06292E-05	9.05373E-05
2648	7.16369E-05	7.55938E-05	2.38365E-05	6.77539E-05	9.53081E-05	7.20974E-05	7.56653E-05	3.59105E-05	6.77539E-05	8.91595E-05
2649	6.91292E-05	7.29122E-05	2.34283E-05	6.43987E-05	9.59713E-05	6.90881E-05	7.25297E-05	3.41825E-05	6.43987E-05	8.9811E-05
2650	6.84218E-05	7.21358E-05	2.35546E-05	6.27342E-05	9.63241E-05	6.78952E-05	7.13061E-05	3.33013E-05	6.27342E-05	9.01541E-05
2651	6.80943E-05	7.17663E-05	2.37346E-05	6.17121E-05	9.66136E-05	6.72169E-05	7.06121E-05	3.27819E-05	6.17121E-05	9.0438E-05

2652	6.62681E-05	6.98496E-05	2.30024E-05	6.01196E-05	9.07571E-05	6.54553E-05	6.87654E-05	3.18835E-05	6.01196E-05	8.54424E-05
2653	6.46695E-05	6.8158E-05	2.25272E-05	5.84545E-05	9.04476E-05	6.37723E-05	6.70033E-05	3.10019E-05	5.84545E-05	8.51278E-05
2654	6.4629E-05	6.8152E-05	2.20698E-05	5.86301E-05	8.87913E-05	6.3889E-05	6.71483E-05	3.08324E-05	5.86301E-05	8.34508E-05
2655	6.79942E-05	7.17385E-05	2.27613E-05	6.20532E-05	9.21174E-05	6.74424E-05	7.08973E-05	3.24022E-05	6.20532E-05	8.58815E-05
2656	7.345E-05	7.75118E-05	2.43817E-05	6.71916E-05	8.87646E-05	7.29529E-05	7.66969E-05	3.49804E-05	6.71916E-05	8.24973E-05
2657	7.83665E-05	8.27111E-05	2.5881E-05	7.14262E-05	8.60331E-05	7.77428E-05	8.17581E-05	3.70192E-05	7.14262E-05	7.9745E-05
2658	8.54413E-05	9.00702E-05	2.95225E-05	7.62561E-05	8.44282E-05	8.38732E-05	8.81972E-05	4.00187E-05	7.62561E-05	7.81325E-05
2659	9.43139E-05	9.92145E-05	3.51128E-05	8.1564E-05	7.05302E-05	9.10881E-05	9.57386E-05	4.39223E-05	8.1564E-05	6.59551E-05
2660	9.73917E-05	0.000102332	3.77112E-05	8.32903E-05	5.94223E-05	9.34439E-05	9.81555E-05	4.56579E-05	8.32903E-05	5.66091E-05
2661	9.55942E-05	0.000100462	3.67906E-05	7.94248E-05	5.15031E-05	9.07472E-05	9.53654E-05	4.39087E-05	7.94248E-05	4.95378E-05
2662	8.91831E-05	9.3805E-05	3.33481E-05	7.29696E-05	4.59072E-05	8.43149E-05	8.8631E-05	4.05399E-05	7.29696E-05	4.48326E-05
2663	7.88809E-05	8.30454E-05	2.85719E-05	6.53739E-05	4.48813E-05	7.50685E-05	7.89102E-05	3.61052E-05	6.53739E-05	4.38E-05
2664	7.06397E-05	7.45234E-05	2.37236E-05	6.03623E-05	4.44403E-05	6.82811E-05	7.17931E-05	3.26617E-05	6.03623E-05	4.33611E-05
2665	6.19965E-05	6.55578E-05	1.8974E-05	5.48557E-05	4.42941E-05	6.10054E-05	6.41519E-05	2.90928E-05	5.48557E-05	4.32216E-05
2666	6.01464E-05	6.36902E-05	1.73355E-05	5.44837E-05	4.49126E-05	5.98865E-05	6.29792E-05	2.852E-05	5.44837E-05	4.3857E-05
2667	6.124E-05	6.48782E-05	1.72892E-05	5.66803E-05	4.67445E-05	6.1547E-05	6.46878E-05	2.96918E-05	5.66803E-05	4.5722E-05
2668	6.61417E-05	7.00793E-05	1.85743E-05	6.24124E-05	5.03658E-05	6.7002E-05	7.03776E-05	3.27663E-05	6.24124E-05	4.93925E-05
2669	7.25299E-05	7.68292E-05	2.05918E-05	6.82548E-05	5.40974E-05	7.33616E-05	7.70716E-05	3.57336E-05	6.82548E-05	5.31637E-05
2670	7.70359E-05	8.15589E-05	2.23965E-05	7.1302E-05	5.48754E-05	7.73299E-05	8.12814E-05	3.72525E-05	7.1302E-05	5.39179E-05
2671	7.60513E-05	8.03741E-05	2.38308E-05	7.06292E-05	9.66415E-05	7.61947E-05	8.00461E-05	3.71331E-05	7.06292E-05	9.05373E-05
2672	7.16369E-05	7.55938E-05	2.38365E-05	6.77539E-05	9.53081E-05	7.20974E-05	7.56653E-05	3.59105E-05	6.77539E-05	8.91595E-05
2673	6.91292E-05	7.29122E-05	2.34283E-05	6.43987E-05	9.59713E-05	6.90881E-05	7.25297E-05	3.41825E-05	6.43987E-05	8.9811E-05
2674	6.84218E-05	7.21358E-05	2.35546E-05	6.27342E-05	9.63241E-05	6.78952E-05	7.13061E-05	3.33013E-05	6.27342E-05	9.01541E-05
2675	6.80943E-05	7.17663E-05	2.37346E-05	6.17121E-05	9.66136E-05	6.72169E-05	7.06121E-05	3.27819E-05	6.17121E-05	9.0438E-05
2676	6.62681E-05	6.98496E-05	2.30024E-05	6.01196E-05	9.07571E-05	6.54553E-05	6.87654E-05	3.18835E-05	6.01196E-05	8.54424E-05
2677	6.46695E-05	6.8158E-05	2.25272E-05	5.84545E-05	9.04476E-05	6.37723E-05	6.70033E-05	3.10019E-05	5.84545E-05	8.51278E-05
2678	6.4629E-05	6.8152E-05	2.20698E-05	5.86301E-05	8.87913E-05	6.3889E-05	6.71483E-05	3.08324E-05	5.86301E-05	8.34508E-05
2679	6.79942E-05	7.17385E-05	2.27613E-05	6.20532E-05	9.21174E-05	6.74424E-05	7.08973E-05	3.24022E-05	6.20532E-05	8.58815E-05
2680	7.345E-05	7.75118E-05	2.43817E-05	6.71916E-05	8.87646E-05	7.29529E-05	7.66969E-05	3.49804E-05	6.71916E-05	8.24973E-05
2681	7.83665E-05	8.27111E-05	2.5881E-05	7.14262E-05	8.60331E-05	7.77428E-05	8.17581E-05	3.70192E-05	7.14262E-05	7.9745E-05
2682	8.54413E-05	9.00702E-05	2.95225E-05	7.62561E-05	8.44282E-05	8.38732E-05	8.81972E-05	4.00187E-05	7.62561E-05	7.81325E-05
2683	9.43139E-05	9.92145E-05	3.51128E-05	8.1564E-05	7.05302E-05	9.10881E-05	9.57386E-05	4.39223E-05	8.1564E-05	6.59551E-05
2684	9.73917E-05	0.000102332	3.77112E-05	8.32903E-05	5.94223E-05	9.34439E-05	9.81555E-05	4.56579E-05	8.32903E-05	5.66091E-05
2685	9.55942E-05	0.000100462	3.67906E-05	7.94248E-05	5.15031E-05	9.07472E-05	9.53654E-05	4.39087E-05	7.94248E-05	4.95378E-05
2686	8.91831E-05	9.3805E-05	3.33481E-05	7.29696E-05	4.59072E-05	8.43149E-05	8.8631E-05	4.05399E-05	7.29696E-05	4.48326E-05
2687	7.88809E-05	8.30454E-05	2.85719E-05	6.53739E-05	4.48813E-05	7.50685E-05	7.89102E-05	3.61052E-05	6.53739E-05	4.38E-05
2688	7.06397E-05	7.45234E-05	2.37236E-05	6.03623E-05	4.44403E-05	6.82811E-05	7.17931E-05	3.26617E-05	6.03623E-05	4.33611E-05
2689	6.19965E-05	6.55578E-05	1.8974E-05	5.48557E-05	4.42941E-05	6.10054E-05	6.41519E-05	2.90928E-05	5.48557E-05	4.32216E-05
2690	6.01464E-05	6.36902E-05	1.73355E-05	5.44837E-05	4.49126E-05	5.98865E-05	6.29792E-05	2.852E-05	5.44837E-05	4.3857E-05
2691	6.124E-05	6.48782E-05	1.72892E-05	5.66803E-05	4.67445E-05	6.1547E-05	6.46878E-05	2.96918E-05	5.66803E-05	4.5722E-05
2692	6.61417E-05	7.00793E-05	1.85743E-05	6.24124E-05	5.03658E-05	6.7002E-05	7.03776E-05	3.27663E-05	6.24124E-05	4.93925E-05
2693	7.25299E-05	7.68292E-05	2.05918E-05	6.82548E-05	5.40974E-05	7.33616E-05	7.70716E-05	3.57336E-05	6.82548E-05	5.31637E-05
2694	7.70359E-05	8.15589E-05	2.23965E-05	7.1302E-05	5.48754E-05	7.73299E-05	8.12814E-05	3.72525E-05	7.1302E-05	5.39179E-05
2695	7.60513E-05	8.03741E-05	2.38308E-05	7.06292E-05	9.66415E-05	7.61947E-05	8.00461E-05	3.71331E-05	7.06292E-05	9.05373E-05
2696	7.16369E-05	7.55938E-05	2.38365E-05	6.77539E-05	9.53081E-05	7.20974E-05	7.56653E-05	3.59105E-05	6.77539E-05	8.91595E-05
2697	6.91292E-05	7.29122E-05	2.34283E-05	6.43987E-05	9.59713E-05	6.90881E-05	7.25297E-05	3.41825E-05	6.43987E-05	8.9811E-05
2698	6.84218E-05	7.21358E-05	2.35546E-05	6.27342E-05	9.63241E-05	6.78952E-05	7.13061E-05	3.33013E-05	6.27342E-05	9.01541E-05
2699	6.80943E-05	7.17663E-05	2.37346E-05	6.17121E-05	9.66136E-05	6.72169E-05	7.06121E-05	3.27819E-05	6.17121E-05	9.0438E-05
2700	6.62681E-05	6.98496E-05	2.30024E-05	6.01196E-05	9.07571E-05	6.54553E-05	6.87654E-05	3.18835E-05	6.01196E-05	8.54424E-05
2701	6.46695E-05	6.8158E-05	2.25272E-05	5.84545E-05	9.04476E-05	6.37723E-05	6.70033E-05	3.10019E-05	5.84545E-05	8.51278E-05
2702	6.4629E-05	6.8152E-05	2.20698E-05	5.86301E-05	8.87913E-05	6.3889E-05	6.71483E-05	3.08324E-05	5.86301E-05	8.34508E-05
2703	6.79942E-05	7.17385E-05	2.27613E-05	6.20532E-05	9.21174E-05	6.74424E-05	7.08973E-05	3.24022E-05	6.20532E-05	8.58815E-05
2704	7.345E-05	7.75118E-05	2.43817E-05	6.71916E-05	8.87646E-05	7.29529E-05	7.66969E-05	3.49804E-05	6.71916E-05	8.24973E-05
2705	7.83665E-05	8.27111E-05	2.5881E-05	7.14262E-05	8.60331E-05	7.77428E-05	8.17581E-05	3.70192E-05	7.14262E-05	7.9745E-05
2706	8.54413E-05	9.00702E-05	2.95225E-05	7.62561E-05	8.44282E-05	8.38732E-05	8.81972E-05	4.00187E-05	7.62561E-05	7.81325E-05
2707	9.43139E-05	9.92145E-05	3.51128E-05	8.1564E-05	7.05302E-05	9.10881E-05	9.57386E-05	4.39223E-05	8.1564E-05	6.59551E-05
2708	9.73917E-05	0.000102332	3.77112E-05	8.32903E-05	5.94223E-05	9.34439E-05	9.81555E-05	4.56579E-05	8.32903E-05	5.66091E-05
2709	9.55942E-05	0.000100462	3.67906E-05	7.94248E-05	5.15031E-05	9.07472E-05	9.53654E-05	4.39087E-05	7.94248E-05	4.95378E-05
2710	8.91831E-05	9.3805E-05	3.33481E-05	7.29696E-05	4.59072E-05	8.43149E-05	8.8631E-05	4.05399E-05	7.29696E-05	4.48326E-05
2711	7.88809E-05	8.30454E-05	2.85719E-05	6.53739E-05	4.48813E-05	7.50685E-05	7.89102E-05	3.61052E-05	6.53739E-05	4.38E-05
2712	7.06397E-05	7.45234E-05	2.37236E-05	6.03623E-05	4.44403E-05	6.82811E-05	7.17931E-05	3.26617E-05	6.03623E-05	4.33611E-05
2713	6.16784E-05	6.52226E-05	1.88636E-05	5.44239E-05	4.4307E-05	6.06298E-05	6.37655E-05	2.88267E-05	5.44239E-05	4.32332E-05
2714	5.98562E-05	6.33847E-05	1.72311E-05	5.40761E-05	4.49325E-05	5.95385E-05	6.26221E-05	2.82638E-05	5.40761E-05	4.38753E-05
2715	6.09992E-05	6.4625E-05	1.71981E-05	5.63253E-05	4.67584E-05	6.12516E-05	6.43859E-05	2.94627E-05	5.63253E-05	4.57345E-05
2716	6.59063E-05	6.98329E-05	1.84708E-05	6.20118E-05	5.03849E-05	6.66924E-05	7.00647E-05	3.24897E-05	6.20118E-05	4.94114E-05
2717	7.23953E-05	7.66897E-05	2.05166E-05	6.79662E-05	5.41552E-05	7.31614E-05	7.6873E-05	3.5517E-05	6.79662E-05	5.32216E-05
2718	7.68929E-05	8.14098E-05	2.23267E-05	7.10328E-05	5.49653E-05	7.71317E-05	8.10828E-05	3.70592E-05	7.10328E-05	5.40077E-05
2719	7.73497E-05	8.17802E-05	2.38276E-05	7.05246E-05	9.67172E-05	7.69905E-05	8.09303E-05	3.70316E-05	7.05246E-05	9.06129E-05
2720	7.13651E-05	7.53068E-05	2.37466E-05	6.74017E-05	9.54465E-05	7.17828E-05	7.53406E-05	3.56996E-05	6.74017E-05	8.92972E-05
2721	6.88184E-05	7.25843E-05	2.33251E-05	6.39945E-05	9.6198E-05	6.8728E-05	7.2158E-05	3.39399E-05	6.39945E-05	9.00373E-05
2722	6.81815E-05	7.18823E-05	2.34743E-05	6.24197E-05	9.65645E-05	6.7616E-05	7.1018E-05	3.31117E-05	6.24197E-05	9.03938E-05
2723	6.78615E-05	7.15206E-05	2.36574E-05	6.14096E-05	9.68776E-05	6.69472E-05	7.03338E-05	3.26004E-05	6.14096E-05	9.07017E-05
2724	6.60944E-05	6.96668E-05	2.29382E-05	5.98696E-05	9.09112E-05	6.52446E-05	6.85497E-05	3.17243E-05	5.98696E-05	8.55946E-05
2725	6.45037E-05	6.79836E-05	2.24641E-05	5.82088E-05	9.05904E-05	6.35684E-05	6.6795E-05	3.0843E-05	5.82088E-05	8.52692E-05
2726	6.45125E-05	6.80297E-05	2.20234E-05	5.84499E-05	8.89251E-05	6.37429E-05	6.69995E-05	3.07133E-05	5.84499E-05	8.35835E-05
2727	6.78274E-05	7.15626E-05	2.27052E-05	6.18334E-05	9.22162E-05	6.7248E-05	7.06969E-05	3.22692E-05	6.18334E-05	8.59793E-05

2728	7.33503E-05	7.7407E-05	2.43435E-05	6.7043E-05	8.88122E-05	7.28299E-05	7.65713E-05	3.48839E-05	6.7043E-05	8.25447E-05
2729	7.84547E-05	8.28039E-05	2.59146E-05	7.15572E-05	8.60375E-05	7.78514E-05	8.1869E-05	3.7104E-05	7.15572E-05	7.97489E-05
2730	8.55136E-05	9.01462E-05	2.955E-05	7.63631E-05	8.44209E-05	8.39621E-05	8.8288E-05	4.00879E-05	7.63631E-05	7.81246E-05
2731	9.436E-05	9.92638E-05	3.51202E-05	8.15946E-05	7.05057E-05	9.11301E-05	9.5784E-05	4.39294E-05	8.15946E-05	6.59305E-05
2732	9.7441E-05	0.000102386	3.77063E-05	8.32755E-05	5.94207E-05	9.34704E-05	9.81884E-05	4.56189E-05	8.32755E-05	5.66084E-05
2733	9.41127E-05	9.88636E-05	3.67195E-05	7.9241E-05	5.1468E-05	8.97196E-05	9.42454E-05	4.38178E-05	7.9241E-05	4.95036E-05
2734	8.91866E-05	9.38095E-05	3.33407E-05	7.29424E-05	4.58786E-05	8.43066E-05	8.86247E-05	4.05115E-05	7.29424E-05	4.48048E-05
2735	7.89323E-05	8.31004E-05	2.858E-05	6.54076E-05	4.48494E-05	7.51151E-05	7.89607E-05	3.61127E-05	6.54076E-05	4.37689E-05
2736	7.06747E-05	7.45606E-05	2.37313E-05	6.03932E-05	4.43887E-05	6.8316E-05	7.18301E-05	3.26747E-05	6.03932E-05	4.331E-05
2737	6.16784E-05	6.52226E-05	1.88636E-05	5.44239E-05	4.4307E-05	6.06298E-05	6.37655E-05	2.88267E-05	5.44239E-05	4.32332E-05
2738	5.98562E-05	6.33847E-05	1.72311E-05	5.40761E-05	4.49325E-05	5.95385E-05	6.26221E-05	2.82638E-05	5.40761E-05	4.38753E-05
2739	6.09992E-05	6.4625E-05	1.71981E-05	5.63253E-05	4.67584E-05	6.12516E-05	6.43859E-05	2.94627E-05	5.63253E-05	4.57345E-05
2740	6.59063E-05	6.98329E-05	1.84708E-05	6.20118E-05	5.03849E-05	6.66924E-05	7.00647E-05	3.24897E-05	6.20118E-05	4.94114E-05
2741	7.23953E-05	7.66897E-05	2.05166E-05	6.79662E-05	5.41552E-05	7.31614E-05	7.6873E-05	3.5517E-05	6.79662E-05	5.32216E-05
2742	7.68929E-05	8.14098E-05	2.23267E-05	7.10328E-05	5.49653E-05	7.71317E-05	8.10828E-05	3.70592E-05	7.10328E-05	5.40077E-05
2743	7.73497E-05	8.17802E-05	2.38276E-05	7.05246E-05	9.67172E-05	7.69905E-05	8.09303E-05	3.70316E-05	7.05246E-05	9.06129E-05
2744	7.13651E-05	7.53068E-05	2.37466E-05	6.74017E-05	9.54465E-05	7.17828E-05	7.53406E-05	3.56996E-05	6.74017E-05	8.92972E-05
2745	6.88184E-05	7.25843E-05	2.33251E-05	6.39945E-05	9.6198E-05	6.8728E-05	7.2158E-05	3.39399E-05	6.39945E-05	9.00373E-05
2746	6.81815E-05	7.18823E-05	2.34743E-05	6.24197E-05	9.65645E-05	6.7616E-05	7.1018E-05	3.31117E-05	6.24197E-05	9.03938E-05
2747	6.78615E-05	7.15206E-05	2.36574E-05	6.14096E-05	9.68776E-05	6.69472E-05	7.03338E-05	3.26004E-05	6.14096E-05	9.07017E-05
2748	6.60944E-05	6.96668E-05	2.29382E-05	5.98696E-05	9.09112E-05	6.52446E-05	6.85497E-05	3.17243E-05	5.98696E-05	8.55946E-05
2749	6.45037E-05	6.79836E-05	2.24641E-05	5.82088E-05	9.05904E-05	6.35684E-05	6.6795E-05	3.0843E-05	5.82088E-05	8.52692E-05
2750	6.45125E-05	6.80297E-05	2.20234E-05	5.84499E-05	8.89251E-05	6.37429E-05	6.69995E-05	3.07133E-05	5.84499E-05	8.35835E-05
2751	6.78274E-05	7.15626E-05	2.27052E-05	6.18334E-05	9.22162E-05	6.7248E-05	7.06969E-05	3.22692E-05	6.18334E-05	8.59793E-05
2752	7.33503E-05	7.7407E-05	2.43435E-05	6.7043E-05	8.88122E-05	7.28299E-05	7.65713E-05	3.48839E-05	6.7043E-05	8.25447E-05
2753	7.84547E-05	8.28039E-05	2.59146E-05	7.15572E-05	8.60375E-05	7.78514E-05	8.1869E-05	3.7104E-05	7.15572E-05	7.97489E-05
2754	8.55136E-05	9.01462E-05	2.955E-05	7.63631E-05	8.44209E-05	8.39621E-05	8.8288E-05	4.00879E-05	7.63631E-05	7.81246E-05
2755	9.436E-05	9.92638E-05	3.51202E-05	8.15946E-05	7.05057E-05	9.11301E-05	9.5784E-05	4.39294E-05	8.15946E-05	6.59305E-05
2756	9.7441E-05	0.000102386	3.77063E-05	8.32755E-05	5.94207E-05	9.34704E-05	9.81884E-05	4.56189E-05	8.32755E-05	5.66084E-05
2757	9.41127E-05	9.88636E-05	3.67195E-05	7.9241E-05	5.1468E-05	8.97196E-05	9.42454E-05	4.38178E-05	7.9241E-05	4.95036E-05
2758	8.91866E-05	9.38095E-05	3.33407E-05	7.29424E-05	4.58786E-05	8.43066E-05	8.86247E-05	4.05115E-05	7.29424E-05	4.48048E-05
2759	7.89323E-05	8.31004E-05	2.858E-05	6.54076E-05	4.48494E-05	7.51151E-05	7.89607E-05	3.61127E-05	6.54076E-05	4.37689E-05
2760	7.06747E-05	7.45606E-05	2.37313E-05	6.03932E-05	4.43887E-05	6.8316E-05	7.18301E-05	3.26747E-05	6.03932E-05	4.331E-05
2761	6.19965E-05	6.55578E-05	1.8974E-05	5.48557E-05	4.42941E-05	6.10054E-05	6.41519E-05	2.90928E-05	5.48557E-05	4.32216E-05
2762	6.01464E-05	6.36902E-05	1.73355E-05	5.44837E-05	4.49126E-05	5.98865E-05	6.29792E-05	2.852E-05	5.44837E-05	4.3857E-05
2763	6.124E-05	6.48782E-05	1.72892E-05	5.66803E-05	4.67445E-05	6.1547E-05	6.46878E-05	2.96918E-05	5.66803E-05	4.5722E-05
2764	6.61417E-05	7.00793E-05	1.85743E-05	6.24124E-05	5.03658E-05	6.7002E-05	7.03776E-05	3.27663E-05	6.24124E-05	4.93925E-05
2765	7.25299E-05	7.68292E-05	2.05918E-05	6.82548E-05	5.40974E-05	7.33616E-05	7.70716E-05	3.57336E-05	6.82548E-05	5.31637E-05
2766	7.70359E-05	8.15589E-05	2.23965E-05	7.1302E-05	5.48754E-05	7.73299E-05	8.12814E-05	3.72525E-05	7.1302E-05	5.39179E-05
2767	7.60513E-05	8.03741E-05	2.38308E-05	7.06292E-05	9.66415E-05	7.61947E-05	8.00461E-05	3.71331E-05	7.06292E-05	9.05373E-05
2768	7.16369E-05	7.55938E-05	2.38365E-05	6.77539E-05	9.53081E-05	7.20974E-05	7.56653E-05	3.59105E-05	6.77539E-05	8.91595E-05
2769	6.91292E-05	7.29122E-05	2.34283E-05	6.43987E-05	9.59713E-05	6.90881E-05	7.25297E-05	3.41825E-05	6.43987E-05	8.9811E-05
2770	6.84218E-05	7.21358E-05	2.35546E-05	6.27342E-05	9.63241E-05	6.78952E-05	7.13061E-05	3.33013E-05	6.27342E-05	9.01541E-05
2771	6.80943E-05	7.17663E-05	2.37346E-05	6.17121E-05	9.66136E-05	6.72169E-05	7.06121E-05	3.27819E-05	6.17121E-05	9.0438E-05
2772	6.62681E-05	6.98496E-05	2.30024E-05	6.01196E-05	9.07571E-05	6.54553E-05	6.87654E-05	3.18835E-05	6.01196E-05	8.54424E-05
2773	6.46695E-05	6.8158E-05	2.25272E-05	5.84545E-05	9.04476E-05	6.37723E-05	6.70033E-05	3.10019E-05	5.84545E-05	8.51278E-05
2774	6.4629E-05	6.8152E-05	2.20698E-05	5.86301E-05	8.87913E-05	6.3889E-05	6.71483E-05	3.08324E-05	5.86301E-05	8.34508E-05
2775	6.79942E-05	7.17385E-05	2.27613E-05	6.20532E-05	9.21174E-05	6.74424E-05	7.08973E-05	3.24022E-05	6.20532E-05	8.58815E-05
2776	7.345E-05	7.75118E-05	2.43817E-05	6.71916E-05	8.87646E-05	7.29529E-05	7.66969E-05	3.49804E-05	6.71916E-05	8.24973E-05
2777	7.83665E-05	8.27111E-05	2.5881E-05	7.14262E-05	8.60331E-05	7.77428E-05	8.17581E-05	3.70192E-05	7.14262E-05	7.9745E-05
2778	8.54413E-05	9.00702E-05	2.95225E-05	7.62561E-05	8.44282E-05	8.38732E-05	8.81972E-05	4.00187E-05	7.62561E-05	7.81325E-05
2779	9.43139E-05	9.92145E-05	3.51128E-05	8.1564E-05	7.05302E-05	9.10881E-05	9.57386E-05	4.39223E-05	8.1564E-05	6.59551E-05
2780	9.73917E-05	0.000102332	3.77112E-05	8.32903E-05	5.94223E-05	9.34439E-05	9.81555E-05	4.56579E-05	8.32903E-05	5.66091E-05
2781	9.55942E-05	0.000100462	3.67906E-05	7.94248E-05	5.15031E-05	9.07472E-05	9.53654E-05	4.39087E-05	7.94248E-05	4.95378E-05
2782	8.91831E-05	9.3805E-05	3.33481E-05	7.29696E-05	4.59072E-05	8.43149E-05	8.8631E-05	4.05399E-05	7.29696E-05	4.48326E-05
2783	7.88809E-05	8.30454E-05	2.85719E-05	6.53739E-05	4.48813E-05	7.50685E-05	7.89102E-05	3.61052E-05	6.53739E-05	4.38E-05
2784	7.06397E-05	7.45234E-05	2.37236E-05	6.03623E-05	4.44403E-05	6.82811E-05	7.17931E-05	3.26617E-05	6.03623E-05	4.33611E-05
2785	6.19965E-05	6.55578E-05	1.8974E-05	5.48557E-05	4.42941E-05	6.10054E-05	6.41519E-05	2.90928E-05	5.48557E-05	4.32216E-05
2786	6.01464E-05	6.36902E-05	1.73355E-05	5.44837E-05	4.49126E-05	5.98865E-05	6.29792E-05	2.852E-05	5.44837E-05	4.3857E-05
2787	6.124E-05	6.48782E-05	1.72892E-05	5.66803E-05	4.67445E-05	6.1547E-05	6.46878E-05	2.96918E-05	5.66803E-05	4.5722E-05
2788	6.61417E-05	7.00793E-05	1.85743E-05	6.24124E-05	5.03658E-05	6.7002E-05	7.03776E-05	3.27663E-05	6.24124E-05	4.93925E-05
2789	7.25299E-05	7.68292E-05	2.05918E-05	6.82548E-05	5.40974E-05	7.33616E-05	7.70716E-05	3.57336E-05	6.82548E-05	5.31637E-05
2790	7.70359E-05	8.15589E-05	2.23965E-05	7.1302E-05	5.48754E-05	7.73299E-05	8.12814E-05	3.72525E-05	7.1302E-05	5.39179E-05
2791	7.60513E-05	8.03741E-05	2.38308E-05	7.06292E-05	9.66415E-05	7.61947E-05	8.00461E-05	3.71331E-05	7.06292E-05	9.05373E-05
2792	7.16369E-05	7.55938E-05	2.38365E-05	6.77539E-05	9.53081E-05	7.20974E-05	7.56653E-05	3.59105E-05	6.77539E-05	8.91595E-05
2793	6.91292E-05	7.29122E-05	2.34283E-05	6.43987E-05	9.59713E-05	6.90881E-05	7.25297E-05	3.41825E-05	6.43987E-05	8.9811E-05
2794	6.84218E-05	7.21358E-05	2.35546E-05	6.27342E-05	9.63241E-05	6.78952E-05	7.13061E-05	3.33013E-05	6.27342E-05	9.01541E-05
2795	6.80943E-05	7.17663E-05	2.37346E-05	6.17121E-05	9.66136E-05	6.72169E-05	7.06121E-05	3.27819E-05	6.17121E-05	9.0438E-05
2796	6.62681E-05	6.98496E-05	2.30024E-05	6.01196E-05	9.07571E-05	6.54553E-05	6.87654E-05	3.18835E-05	6.01196E-05	8.54424E-05
2797	6.46695E-05	6.8158E-05	2.25272E-05	5.84545E-05	9.04476E-05	6.37723E-05	6.70033E-05	3.10019E-05	5.84545E-05	8.51278E-05
2798	6.4629E-05	6.8152E-05	2.20698E-05	5.86301E-05	8.87913E-05	6.3889E-05	6.71483E-05	3.08324E-05	5.86301E-05	8.34508E-05
2799	6.79942E-05	7.17385E-05	2.27613E-05	6.20532E-05	9.21174E-05	6.74424E-05	7.08973E-05	3.24022E-05	6.20532E-05	8.58815E-05
2800	7.345E-05	7.75118E-05	2.43817E-05	6.71916E-05	8.87646E-05	7.29529E-05	7.66969E-05	3.49804E-05	6.71916E-05	8.24973E-05
2801	7.83665E-05	8.27111E-05	2.5881E-05	7.14262E-05	8.60331E-05	7.77428E-05	8.17581E-05	3.70192E-05	7.14262E-05	7.9745E-05
2802	8.54413E-05	9.00702E-05	2.95225E-05	7.62561E-05	8.44282E-05	8.38732E-05	8.81972E-05	4.00187E-05	7.62561E-05	7.81325E-05
2803	9.43139E-05	9.92145E-05	3.51128E-05	8.1564E-05	7.05302E-05	9.10881E-05	9.57386E-05	4.39223E-05	8.1564E-05	6.59551E-05

2804	9.73917E-05	0.000102332	3.77112E-05	8.32903E-05	5.94223E-05	9.34439E-05	9.81555E-05	4.56579E-05	8.32903E-05	5.66091E-05
2805	9.55942E-05	0.000100462	3.67906E-05	7.94248E-05	5.15031E-05	9.07472E-05	9.53654E-05	4.39087E-05	7.94248E-05	4.95378E-05
2806	8.91831E-05	9.3805E-05	3.33481E-05	7.29696E-05	4.59072E-05	8.43149E-05	8.8631E-05	4.05399E-05	7.29696E-05	4.48326E-05
2807	7.88809E-05	8.30454E-05	2.85719E-05	6.53739E-05	4.48813E-05	7.50685E-05	7.89102E-05	3.61052E-05	6.53739E-05	4.38E-05
2808	7.06397E-05	7.45234E-05	2.37236E-05	6.03623E-05	4.44403E-05	6.82811E-05	7.17931E-05	3.26617E-05	6.03623E-05	4.33611E-05
2809	6.19965E-05	6.55578E-05	1.8974E-05	5.48557E-05	4.42941E-05	6.10054E-05	6.41519E-05	2.90928E-05	5.48557E-05	4.32216E-05
2810	6.01464E-05	6.36902E-05	1.73355E-05	5.44837E-05	4.49126E-05	5.98865E-05	6.29792E-05	2.852E-05	5.44837E-05	4.3857E-05
2811	6.124E-05	6.48782E-05	1.72892E-05	5.66803E-05	4.67445E-05	6.1547E-05	6.46878E-05	2.96918E-05	5.66803E-05	4.5722E-05
2812	6.61417E-05	7.00793E-05	1.85743E-05	6.24124E-05	5.03658E-05	6.7002E-05	7.03776E-05	3.27663E-05	6.24124E-05	4.93925E-05
2813	7.25299E-05	7.68292E-05	2.05918E-05	6.82548E-05	5.40974E-05	7.33616E-05	7.70716E-05	3.57336E-05	6.82548E-05	5.31637E-05
2814	7.70359E-05	8.15589E-05	2.23965E-05	7.1302E-05	5.48754E-05	7.73299E-05	8.12814E-05	3.72525E-05	7.1302E-05	5.39179E-05
2815	7.60513E-05	8.03741E-05	2.38308E-05	7.06292E-05	9.66415E-05	7.61947E-05	8.00461E-05	3.71331E-05	7.06292E-05	9.05373E-05
2816	7.16369E-05	7.55938E-05	2.38365E-05	6.77539E-05	9.53081E-05	7.20974E-05	7.56653E-05	3.59105E-05	6.77539E-05	8.91595E-05
2817	6.91292E-05	7.29122E-05	2.34283E-05	6.43987E-05	9.59713E-05	6.90881E-05	7.25297E-05	3.41825E-05	6.43987E-05	8.9811E-05
2818	6.84218E-05	7.21358E-05	2.35546E-05	6.27342E-05	9.63241E-05	6.78952E-05	7.13061E-05	3.33013E-05	6.27342E-05	9.01541E-05
2819	6.80943E-05	7.17663E-05	2.37346E-05	6.17121E-05	9.66136E-05	6.72169E-05	7.06121E-05	3.27819E-05	6.17121E-05	9.0438E-05
2820	6.62681E-05	6.98496E-05	2.30024E-05	6.01196E-05	9.07571E-05	6.54553E-05	6.87654E-05	3.18835E-05	6.01196E-05	8.54424E-05
2821	6.46695E-05	6.8158E-05	2.25272E-05	5.84545E-05	9.04476E-05	6.37723E-05	6.70033E-05	3.10019E-05	5.84545E-05	8.51278E-05
2822	6.4629E-05	6.8152E-05	2.20698E-05	5.86301E-05	8.87913E-05	6.3889E-05	6.71483E-05	3.08324E-05	5.86301E-05	8.34508E-05
2823	6.79942E-05	7.17385E-05	2.27613E-05	6.20532E-05	9.21174E-05	6.74424E-05	7.08973E-05	3.24022E-05	6.20532E-05	8.58815E-05
2824	7.345E-05	7.75118E-05	2.43817E-05	6.71916E-05	8.87646E-05	7.29529E-05	7.66969E-05	3.49804E-05	6.71916E-05	8.24973E-05
2825	7.83665E-05	8.27111E-05	2.5881E-05	7.14262E-05	8.60331E-05	7.77428E-05	8.17581E-05	3.70192E-05	7.14262E-05	7.9745E-05
2826	8.54413E-05	9.00702E-05	2.95225E-05	7.62561E-05	8.44282E-05	8.38732E-05	8.81972E-05	4.00187E-05	7.62561E-05	7.81325E-05
2827	9.43139E-05	9.92145E-05	3.51128E-05	8.1564E-05	7.05302E-05	9.10881E-05	9.57386E-05	4.39223E-05	8.1564E-05	6.59551E-05
2828	9.73917E-05	0.000102332	3.77112E-05	8.32903E-05	5.94223E-05	9.34439E-05	9.81555E-05	4.56579E-05	8.32903E-05	5.66091E-05
2829	9.55942E-05	0.000100462	3.67906E-05	7.94248E-05	5.15031E-05	9.07472E-05	9.53654E-05	4.39087E-05	7.94248E-05	4.95378E-05
2830	8.91831E-05	9.3805E-05	3.33481E-05	7.29696E-05	4.59072E-05	8.43149E-05	8.8631E-05	4.05399E-05	7.29696E-05	4.48326E-05
2831	7.88809E-05	8.30454E-05	2.85719E-05	6.53739E-05	4.48813E-05	7.50685E-05	7.89102E-05	3.61052E-05	6.53739E-05	4.38E-05
2832	7.06397E-05	7.45234E-05	2.37236E-05	6.03623E-05	4.44403E-05	6.82811E-05	7.17931E-05	3.26617E-05	6.03623E-05	4.33611E-05
2833	6.19965E-05	6.55578E-05	1.8974E-05	5.48557E-05	4.42941E-05	6.10054E-05	6.41519E-05	2.90928E-05	5.48557E-05	4.32216E-05
2834	6.01464E-05	6.36902E-05	1.73355E-05	5.44837E-05	4.49126E-05	5.98865E-05	6.29792E-05	2.852E-05	5.44837E-05	4.3857E-05
2835	6.124E-05	6.48782E-05	1.72892E-05	5.66803E-05	4.67445E-05	6.1547E-05	6.46878E-05	2.96918E-05	5.66803E-05	4.5722E-05
2836	6.61417E-05	7.00793E-05	1.85743E-05	6.24124E-05	5.03658E-05	6.7002E-05	7.03776E-05	3.27663E-05	6.24124E-05	4.93925E-05
2837	7.25299E-05	7.68292E-05	2.05918E-05	6.82548E-05	5.40974E-05	7.33616E-05	7.70716E-05	3.57336E-05	6.82548E-05	5.31637E-05
2838	7.70359E-05	8.15589E-05	2.23965E-05	7.1302E-05	5.48754E-05	7.73299E-05	8.12814E-05	3.72525E-05	7.1302E-05	5.39179E-05
2839	7.60513E-05	8.03741E-05	2.38308E-05	7.06292E-05	9.66415E-05	7.61947E-05	8.00461E-05	3.71331E-05	7.06292E-05	9.05373E-05
2840	7.16369E-05	7.55938E-05	2.38365E-05	6.77539E-05	9.53081E-05	7.20974E-05	7.56653E-05	3.59105E-05	6.77539E-05	8.91595E-05
2841	6.91292E-05	7.29122E-05	2.34283E-05	6.43987E-05	9.59713E-05	6.90881E-05	7.25297E-05	3.41825E-05	6.43987E-05	8.9811E-05
2842	6.84218E-05	7.21358E-05	2.35546E-05	6.27342E-05	9.63241E-05	6.78952E-05	7.13061E-05	3.33013E-05	6.27342E-05	9.01541E-05
2843	6.80943E-05	7.17663E-05	2.37346E-05	6.17121E-05	9.66136E-05	6.72169E-05	7.06121E-05	3.27819E-05	6.17121E-05	9.0438E-05
2844	6.62681E-05	6.98496E-05	2.30024E-05	6.01196E-05	9.07571E-05	6.54553E-05	6.87654E-05	3.18835E-05	6.01196E-05	8.54424E-05
2845	6.46695E-05	6.8158E-05	2.25272E-05	5.84545E-05	9.04476E-05	6.37723E-05	6.70033E-05	3.10019E-05	5.84545E-05	8.51278E-05
2846	6.4629E-05	6.8152E-05	2.20698E-05	5.86301E-05	8.87913E-05	6.3889E-05	6.71483E-05	3.08324E-05	5.86301E-05	8.34508E-05
2847	6.79942E-05	7.17385E-05	2.27613E-05	6.20532E-05	9.21174E-05	6.74424E-05	7.08973E-05	3.24022E-05	6.20532E-05	8.58815E-05
2848	7.345E-05	7.75118E-05	2.43817E-05	6.71916E-05	8.87646E-05	7.29529E-05	7.66969E-05	3.49804E-05	6.71916E-05	8.24973E-05
2849	7.83665E-05	8.27111E-05	2.5881E-05	7.14262E-05	8.60331E-05	7.77428E-05	8.17581E-05	3.70192E-05	7.14262E-05	7.9745E-05
2850	8.54413E-05	9.00702E-05	2.95225E-05	7.62561E-05	8.44282E-05	8.38732E-05	8.81972E-05	4.00187E-05	7.62561E-05	7.81325E-05
2851	9.43139E-05	9.92145E-05	3.51128E-05	8.1564E-05	7.05302E-05	9.10881E-05	9.57386E-05	4.39223E-05	8.1564E-05	6.59551E-05
2852	9.73917E-05	0.000102332	3.77112E-05	8.32903E-05	5.94223E-05	9.34439E-05	9.81555E-05	4.56579E-05	8.32903E-05	5.66091E-05
2853	9.55942E-05	0.000100462	3.67906E-05	7.94248E-05	5.15031E-05	9.07472E-05	9.53654E-05	4.39087E-05	7.94248E-05	4.95378E-05
2854	8.91831E-05	9.3805E-05	3.33481E-05	7.29696E-05	4.59072E-05	8.43149E-05	8.8631E-05	4.05399E-05	7.29696E-05	4.48326E-05
2855	7.88809E-05	8.30454E-05	2.85719E-05	6.53739E-05	4.48813E-05	7.50685E-05	7.89102E-05	3.61052E-05	6.53739E-05	4.38E-05
2856	7.06397E-05	7.45234E-05	2.37236E-05	6.03623E-05	4.44403E-05	6.82811E-05	7.17931E-05	3.26617E-05	6.03623E-05	4.33611E-05
2857	6.19965E-05	6.55578E-05	1.8974E-05	5.48557E-05	4.42941E-05	6.10054E-05	6.41519E-05	2.90928E-05	5.48557E-05	4.32216E-05
2858	6.01464E-05	6.36902E-05	1.73355E-05	5.44837E-05	4.49126E-05	5.98865E-05	6.29792E-05	2.852E-05	5.44837E-05	4.3857E-05
2859	6.124E-05	6.48782E-05	1.72892E-05	5.66803E-05	4.67445E-05	6.1547E-05	6.46878E-05	2.96918E-05	5.66803E-05	4.5722E-05
2860	6.61417E-05	7.00793E-05	1.85743E-05	6.24124E-05	5.03658E-05	6.7002E-05	7.03776E-05	3.27663E-05	6.24124E-05	4.93925E-05
2861	7.25299E-05	7.68292E-05	2.05918E-05	6.82548E-05	5.40974E-05	7.33616E-05	7.70716E-05	3.57336E-05	6.82548E-05	5.31637E-05
2862	7.70359E-05	8.15589E-05	2.23965E-05	7.1302E-05	5.48754E-05	7.73299E-05	8.12814E-05	3.72525E-05	7.1302E-05	5.39179E-05
2863	7.60513E-05	8.03741E-05	2.38308E-05	7.06292E-05	9.66415E-05	7.61947E-05	8.00461E-05	3.71331E-05	7.06292E-05	9.05373E-05
2864	7.16369E-05	7.55938E-05	2.38365E-05	6.77539E-05	9.53081E-05	7.20974E-05	7.56653E-05	3.59105E-05	6.77539E-05	8.91595E-05
2865	6.91292E-05	7.29122E-05	2.34283E-05	6.43987E-05	9.59713E-05	6.90881E-05	7.25297E-05	3.41825E-05	6.43987E-05	8.9811E-05
2866	6.84218E-05	7.21358E-05	2.35546E-05	6.27342E-05	9.63241E-05	6.78952E-05	7.13061E-05	3.33013E-05	6.27342E-05	9.01541E-05
2867	6.80943E-05	7.17663E-05	2.37346E-05	6.17121E-05	9.66136E-05	6.72169E-05	7.06121E-05	3.27819E-05	6.17121E-05	9.0438E-05
2868	6.62681E-05	6.98496E-05	2.30024E-05	6.01196E-05	9.07571E-05	6.54553E-05	6.87654E-05	3.18835E-05	6.01196E-05	8.54424E-05
2869	6.46695E-05	6.8158E-05	2.25272E-05	5.84545E-05	9.04476E-05	6.37723E-05	6.70033E-05	3.10019E-05	5.84545E-05	8.51278E-05
2870	6.4629E-05	6.8152E-05	2.20698E-05	5.86301E-05	8.87913E-05	6.3889E-05	6.71483E-05	3.08324E-05	5.86301E-05	8.34508E-05
2871	6.79942E-05	7.17385E-05	2.27613E-05	6.20532E-05	9.21174E-05	6.74424E-05	7.08973E-05	3.24022E-05	6.20532E-05	8.58815E-05
2872	7.345E-05	7.75118E-05	2.43817E-05	6.71916E-05	8.87646E-05	7.29529E-05	7.66969E-05	3.49804E-05	6.71916E-05	8.24973E-05
2873	7.83665E-05	8.27111E-05	2.5881E-05	7.14262E-05	8.60331E-05	7.77428E-05	8.17581E-05	3.70192E-05	7.14262E-05	7.9745E-05
2874	8.54413E-05	9.00702E-05	2.95225E-05	7.62561E-05	8.44282E-05	8.38732E-05	8.81972E-05	4.00187E-05	7.62561E-05	7.81325E-05
2875	9.43139E-05	9.92145E-05	3.51128E-05	8.1564E-05	7.05302E-05	9.10881E-05	9.57386E-05	4.39223E-05	8.1564E-05	6.59551E-05
2876	9.73917E-05	0.000102332	3.77112E-05	8.32903E-05	5.94223E-05	9.34439E-05	9.81555E-05	4.56579E-05	8.32903E-05	5.66091E-05
2877	9.55942E-05	0.000100462	3.67906E-05	7.94248E-05	5.15031E-05	9.07472E-05	9.53654E-05	4.39087E-05	7.94248E-05	4.95378E-05
2878	8.91831E-05	9.3805E-05	3.33481E-05	7.29696E-05	4.59072E-05	8.43149E-05	8.8631E-05	4.05399E-05	7.29696E-05	4.48326E-05
2879	7.88809E-05	8.30454E-05	2.85719E-05	6.53739E-05	4.48813E-05	7.50685E-05	7.89102E-05	3.61052E-05	6.53739E-05	4.38E-05

2880	7.06397E-05	7.45234E-05	2.37236E-05	6.03623E-05	4.44403E-05	6.82811E-05	7.17931E-05	3.26617E-05	6.03623E-05	4.33611E-05
2881	6.16784E-05	6.52226E-05	1.88636E-05	5.44239E-05	4.4307E-05	6.06298E-05	6.37655E-05	2.88267E-05	5.44239E-05	4.32332E-05
2882	5.98562E-05	6.33847E-05	1.72311E-05	5.40761E-05	4.49325E-05	5.95385E-05	6.26221E-05	2.82638E-05	5.40761E-05	4.38753E-05
2883	6.09992E-05	6.4625E-05	1.71981E-05	5.63253E-05	4.67584E-05	6.12516E-05	6.43859E-05	2.94627E-05	5.63253E-05	4.57345E-05
2884	6.59063E-05	6.98329E-05	1.84708E-05	6.20118E-05	5.03849E-05	6.66924E-05	7.00647E-05	3.24897E-05	6.20118E-05	4.94114E-05
2885	7.23953E-05	7.66897E-05	2.05166E-05	6.79662E-05	5.41552E-05	7.31614E-05	7.6873E-05	3.5517E-05	6.79662E-05	5.32216E-05
2886	7.68929E-05	8.14098E-05	2.23267E-05	7.10328E-05	5.49653E-05	7.71317E-05	8.10828E-05	3.70592E-05	7.10328E-05	5.40077E-05
2887	7.73497E-05	8.17802E-05	2.38276E-05	7.05246E-05	9.67172E-05	7.69905E-05	8.09303E-05	3.70316E-05	7.05246E-05	9.06129E-05
2888	7.13651E-05	7.53068E-05	2.37466E-05	6.74017E-05	9.54465E-05	7.17828E-05	7.53406E-05	3.56996E-05	6.74017E-05	8.92972E-05
2889	6.88184E-05	7.25843E-05	2.33251E-05	6.39945E-05	9.6198E-05	6.8728E-05	7.2158E-05	3.39399E-05	6.39945E-05	9.00373E-05
2890	6.81815E-05	7.18823E-05	2.34743E-05	6.24197E-05	9.65645E-05	6.7616E-05	7.1018E-05	3.31117E-05	6.24197E-05	9.03938E-05
2891	6.78615E-05	7.15206E-05	2.36574E-05	6.14096E-05	9.68776E-05	6.69472E-05	7.03338E-05	3.26004E-05	6.14096E-05	9.07017E-05
2892	6.60944E-05	6.96668E-05	2.29382E-05	5.98696E-05	9.09112E-05	6.52446E-05	6.85497E-05	3.17243E-05	5.98696E-05	8.55946E-05
2893	6.45037E-05	6.79836E-05	2.24641E-05	5.82088E-05	9.05904E-05	6.35684E-05	6.6795E-05	3.0843E-05	5.82088E-05	8.52692E-05
2894	6.45125E-05	6.80297E-05	2.20234E-05	5.84499E-05	8.89251E-05	6.37429E-05	6.69995E-05	3.07133E-05	5.84499E-05	8.35835E-05
2895	6.78274E-05	7.15626E-05	2.27052E-05	6.18334E-05	9.22162E-05	6.7248E-05	7.06969E-05	3.22692E-05	6.18334E-05	8.59793E-05
2896	7.33503E-05	7.7407E-05	2.43435E-05	6.7043E-05	8.88122E-05	7.28299E-05	7.65713E-05	3.48839E-05	6.7043E-05	8.25447E-05
2897	7.84547E-05	8.28039E-05	2.59146E-05	7.15572E-05	8.60375E-05	7.78514E-05	8.1869E-05	3.7104E-05	7.15572E-05	7.97489E-05
2898	8.55136E-05	9.01462E-05	2.955E-05	7.63631E-05	8.44209E-05	8.39621E-05	8.8288E-05	4.00879E-05	7.63631E-05	7.81246E-05
2899	9.436E-05	9.92638E-05	3.51202E-05	8.15946E-05	7.05057E-05	9.11301E-05	9.5784E-05	4.39294E-05	8.15946E-05	6.59305E-05
2900	9.7441E-05	0.000102386	3.77063E-05	8.32755E-05	5.94207E-05	9.34704E-05	9.81884E-05	4.56189E-05	8.32755E-05	5.66084E-05
2901	9.41127E-05	9.88636E-05	3.67195E-05	7.9241E-05	5.1468E-05	8.97196E-05	9.42454E-05	4.38178E-05	7.9241E-05	4.95036E-05
2902	8.91866E-05	9.38095E-05	3.33407E-05	7.29424E-05	4.58786E-05	8.43066E-05	8.86247E-05	4.05115E-05	7.29424E-05	4.48048E-05
2903	7.89323E-05	8.31004E-05	2.858E-05	6.54076E-05	4.48494E-05	7.51151E-05	7.89607E-05	3.61127E-05	6.54076E-05	4.37689E-05
2904	7.06747E-05	7.45606E-05	2.37313E-05	6.03932E-05	4.43887E-05	6.8316E-05	7.18301E-05	3.26747E-05	6.03932E-05	4.331E-05
2905	6.07733E-05	6.43036E-05	1.81257E-05	5.1621E-05	0.000108027	5.89477E-05	6.21445E-05	2.65252E-05	5.1621E-05	0.000112778
2906	5.69076E-05	6.03011E-05	1.59122E-05	4.89764E-05	0.000112222	5.56288E-05	5.86762E-05	2.47215E-05	4.89764E-05	0.0001173
2907	5.7894E-05	6.13812E-05	1.57678E-05	5.08014E-05	0.000120763	5.70746E-05	6.01797E-05	2.55816E-05	5.08014E-05	0.000126465
2908	6.1326E-05	6.50208E-05	1.66911E-05	5.50896E-05	0.000132898	6.10086E-05	6.42663E-05	2.79681E-05	5.50896E-05	0.000139467
2909	6.62574E-05	7.02092E-05	1.85183E-05	6.01258E-05	0.000146513	6.61039E-05	6.95781E-05	3.08674E-05	6.01258E-05	0.000154038
2910	7.12448E-05	7.54441E-05	2.05157E-05	6.39213E-05	0.000158352	7.06776E-05	7.44041E-05	3.28824E-05	6.39213E-05	0.000166829
2911	7.3291E-05	7.75147E-05	2.22668E-05	6.44504E-05	0.00021119	7.19771E-05	7.58119E-05	3.30842E-05	6.44504E-05	0.000215438
2912	6.95355E-05	7.34188E-05	2.26233E-05	6.31044E-05	0.000215329	6.89157E-05	7.25171E-05	3.23901E-05	6.31044E-05	0.000219972
2913	6.99073E-05	7.37805E-05	2.31176E-05	6.32969E-05	0.000218597	6.91668E-05	7.27607E-05	3.27163E-05	6.32969E-05	0.000223443
2914	7.06848E-05	7.45684E-05	2.3769E-05	6.36835E-05	0.000219385	6.97414E-05	7.33529E-05	3.31121E-05	6.36835E-05	0.000224266
2915	7.11083E-05	7.50043E-05	2.40429E-05	6.30616E-05	0.00021952	6.97088E-05	7.33664E-05	3.26127E-05	6.30616E-05	0.000224394
2916	7.05303E-05	7.44104E-05	2.36572E-05	6.28407E-05	0.00021353	6.92957E-05	7.29294E-05	3.24415E-05	6.28407E-05	0.000219287
2917	7.15629E-05	7.55045E-05	2.3946E-05	6.41921E-05	0.00021043	7.05039E-05	7.41804E-05	3.32157E-05	6.41921E-05	0.000215963
2918	7.37933E-05	7.79039E-05	2.41344E-05	6.69209E-05	0.000200833	7.30965E-05	7.69093E-05	3.44261E-05	6.69209E-05	0.000205679
2919	7.99711E-05	8.44788E-05	2.55159E-05	7.3098E-05	0.000194611	7.95574E-05	8.37235E-05	3.7304E-05	7.3098E-05	0.000197695
2920	8.52208E-05	9.0039E-05	2.70146E-05	7.77702E-05	0.000182778	8.47518E-05	8.92109E-05	3.95268E-05	7.77702E-05	0.00018504
2921	8.76395E-05	9.25806E-05	2.79484E-05	7.97343E-05	0.000174068	8.70281E-05	9.16081E-05	4.05764E-05	7.97343E-05	0.000175741
2922	9.3334E-05	9.84681E-05	3.13112E-05	8.34352E-05	0.000169286	9.18183E-05	9.66166E-05	4.31528E-05	8.34352E-05	0.000170654
2923	0.00010076	0.000106078	3.65157E-05	8.72115E-05	0.000153908	9.7493E-05	0.000102543	4.62707E-05	8.72115E-05	0.000156852
2924	0.000102231	0.000107498	3.85964E-05	8.69057E-05	0.000138925	9.80089E-05	0.000103057	4.68086E-05	8.69057E-05	0.000143322
2925	9.93548E-05	0.000104458	3.77058E-05	8.32598E-05	0.000126336	9.47047E-05	9.95893E-05	4.51644E-05	8.32598E-05	0.000131167
2926	9.37475E-05	9.86886E-05	3.40563E-05	7.59093E-05	0.000114993	8.84376E-05	9.30988E-05	4.11629E-05	7.59093E-05	0.000120208
2927	8.14614E-05	8.58205E-05	2.8801E-05	6.63994E-05	0.000110396	7.71514E-05	8.12253E-05	3.58331E-05	6.63994E-05	0.000115294
2928	7.04003E-05	7.43115E-05	2.31513E-05	5.82197E-05	0.000107846	6.72905E-05	7.09004E-05	3.06784E-05	5.82197E-05	0.000112575
2929	6.03725E-05	6.38782E-05	1.80223E-05	5.12097E-05	0.000109017	5.85261E-05	6.17015E-05	2.63204E-05	5.12097E-05	0.000113847
2930	5.71475E-05	6.0557E-05	1.59595E-05	4.91684E-05	0.000111521	5.58601E-05	5.89234E-05	2.47909E-05	4.91684E-05	0.000116547
2931	5.78142E-05	6.12969E-05	1.57415E-05	5.06984E-05	0.000119927	5.69824E-05	6.00845E-05	2.55201E-05	5.06984E-05	0.000125568
2932	6.10192E-05	6.46953E-05	1.66095E-05	5.47659E-05	0.000131905	6.06823E-05	6.39242E-05	2.78025E-05	5.47659E-05	0.000138401
2933	6.60595E-05	7.00004E-05	1.84514E-05	5.98639E-05	0.000145071	6.58728E-05	6.93399E-05	3.07085E-05	5.98639E-05	0.000152492
2934	7.09349E-05	7.51164E-05	2.04214E-05	6.355E-05	0.000156375	7.03308E-05	7.40439E-05	3.26716E-05	6.355E-05	0.000164713
2935	7.15536E-05	7.56445E-05	2.21334E-05	6.40181E-05	0.000208584	7.06858E-05	7.44138E-05	3.28764E-05	6.40181E-05	0.000212649
2936	6.92956E-05	7.31633E-05	2.2572E-05	6.28975E-05	0.000212449	6.86787E-05	7.22649E-05	3.2306E-05	6.28975E-05	0.00021689
2937	6.9744E-05	7.36058E-05	2.3092E-05	6.31906E-05	0.000215722	6.90188E-05	7.26004E-05	3.2693E-05	6.31906E-05	0.000220366
2938	7.06293E-05	7.45099E-05	2.37504E-05	6.36106E-05	0.000216545	6.96768E-05	7.32863E-05	3.30681E-05	6.36106E-05	0.000221229
2939	7.11539E-05	7.50525E-05	2.40569E-05	6.31166E-05	0.000216764	6.976E-05	7.34195E-05	3.2644E-05	6.31166E-05	0.000221449
2940	7.0775E-05	7.46703E-05	2.37177E-05	6.30823E-05	0.000210885	6.95493E-05	7.31967E-05	3.25573E-05	6.30823E-05	0.000216462
2941	7.20184E-05	7.59887E-05	2.40553E-05	6.46293E-05	0.000208083	7.09713E-05	7.46739E-05	3.34189E-05	6.46293E-05	0.000213455
2942	7.40048E-05	7.813E-05	2.41706E-05	6.70695E-05	0.000198835	7.32924E-05	7.71205E-05	3.44669E-05	6.70695E-05	0.000203549
2943	7.96517E-05	8.41406E-05	2.54247E-05	7.27373E-05	0.000192814	7.92085E-05	8.33595E-05	3.71083E-05	7.27373E-05	0.000195781
2944	8.40195E-05	8.87618E-05	2.673E-05	7.66314E-05	0.000180909	8.35246E-05	8.79141E-05	3.9005E-05	7.66314E-05	0.000183047
2945	8.63901E-05	9.12529E-05	2.76455E-05	7.85245E-05	0.000172346	8.57418E-05	9.0251E-05	4.00087E-05	7.85245E-05	0.000173905
2946	9.21266E-05	9.71848E-05	3.10216E-05	8.22773E-05	0.00016771	9.05797E-05	9.53089E-05	4.26153E-05	8.22773E-05	0.000168972
2947	9.96515E-05	0.000104899	3.6254E-05	8.61642E-05	0.000152113	9.63619E-05	0.000101348	4.57926E-05	8.61642E-05	0.000154934
2948	0.000101171	0.000106372	3.83431E-05	8.58928E-05	0.000137233	9.69231E-05	0.00010191	4.63403E-05	8.58928E-05	0.000141515
2949	9.98858E-05	0.000105047	3.75384E-05	8.24929E-05	0.000124682	9.4742E-05	9.96667E-05	4.47935E-05	8.24929E-05	0.000129403
2950	9.30172E-05	9.79124E-05	3.38812E-05	7.52093E-05	0.000113439	8.76885E-05	9.23079E-05	4.08381E-05	7.52093E-05	0.000118551
2951	8.10083E-05	8.53392E-05	2.86887E-05	6.59516E-05	0.00010898	7.66814E-05	8.07301E-05	3.56184E-05	6.59516E-05	0.000113786
2952	7.00226E-05	7.39102E-05	2.30581E-05	5.78479E-05	0.000106591	6.68993E-05	7.04881E-05	3.05008E-05	5.78479E-05	0.000111238
2953	6.03725E-05	6.38782E-05	1.80223E-05	5.12097E-05	0.000109017	5.85261E-05	6.17015E-05	2.63204E-05	5.12097E-05	0.000113847
2954	5.71475E-05	6.0557E-05	1.59595E-05	4.91684E-05	0.000111521	5.58601E-05	5.89234E-05	2.47909E-05	4.91684E-05	0.000116547
2955	5.78142E-05	6.12969E-05	1.57415E-05	5.06984E-05	0.000119927	5.69824E-05	6.00845E-05	2.55201E-05	5.06984E-05	0.000125568

2956	6.10192E-05	6.46953E-05	1.66095E-05	5.47659E-05	0.000131905	6.06823E-05	6.39242E-05	2.78025E-05	5.47659E-05	0.000138401
2957	6.60595E-05	7.00004E-05	1.84514E-05	5.98639E-05	0.000145071	6.58728E-05	6.93399E-05	3.07085E-05	5.98639E-05	0.000152492
2958	7.09349E-05	7.51164E-05	2.04214E-05	6.355E-05	0.000156375	7.03308E-05	7.40439E-05	3.26716E-05	6.355E-05	0.000164713
2959	7.15536E-05	7.56445E-05	2.21334E-05	6.40181E-05	0.000208584	7.06858E-05	7.44138E-05	3.28764E-05	6.40181E-05	0.000212649
2960	6.92956E-05	7.31633E-05	2.2572E-05	6.28975E-05	0.000212449	6.86787E-05	7.22649E-05	3.2306E-05	6.28975E-05	0.00021689
2961	6.9744E-05	7.36058E-05	2.3092E-05	6.31906E-05	0.000215722	6.90188E-05	7.26004E-05	3.2693E-05	6.31906E-05	0.000220366
2962	7.06293E-05	7.45099E-05	2.37504E-05	6.36106E-05	0.000216545	6.96768E-05	7.32863E-05	3.30681E-05	6.36106E-05	0.000221229
2963	7.11539E-05	7.50525E-05	2.40569E-05	6.31166E-05	0.000216764	6.976E-05	7.34195E-05	3.2644E-05	6.31166E-05	0.000221449
2964	7.0775E-05	7.46703E-05	2.37177E-05	6.30823E-05	0.000210885	6.95493E-05	7.31967E-05	3.25573E-05	6.30823E-05	0.000216462
2965	7.20184E-05	7.59887E-05	2.40553E-05	6.46293E-05	0.000208083	7.09713E-05	7.46739E-05	3.34189E-05	6.46293E-05	0.000213455
2966	7.40048E-05	7.813E-05	2.41706E-05	6.70695E-05	0.000198835	7.32924E-05	7.71205E-05	3.44669E-05	6.70695E-05	0.000203549
2967	7.96517E-05	8.41406E-05	2.54247E-05	7.27373E-05	0.000192814	7.92085E-05	8.33595E-05	3.71083E-05	7.27373E-05	0.000195781
2968	8.40195E-05	8.87618E-05	2.673E-05	7.66314E-05	0.000180909	8.35246E-05	8.79141E-05	3.9005E-05	7.66314E-05	0.000183047
2969	8.63901E-05	9.12529E-05	2.76455E-05	7.85245E-05	0.000172346	8.57418E-05	9.0251E-05	4.00087E-05	7.85245E-05	0.000173905
2970	9.21266E-05	9.71848E-05	3.10216E-05	8.22773E-05	0.00016771	9.05797E-05	9.53089E-05	4.26153E-05	8.22773E-05	0.000168972
2971	9.96515E-05	0.000104899	3.6254E-05	8.61642E-05	0.000152113	9.63619E-05	0.000101348	4.57926E-05	8.61642E-05	0.000154934
2972	0.000101171	0.000106372	3.83431E-05	8.58928E-05	0.000137233	9.69231E-05	0.00010191	4.63403E-05	8.58928E-05	0.000141515
2973	9.98858E-05	0.000105047	3.75384E-05	8.24929E-05	0.000124682	9.4742E-05	9.96667E-05	4.47935E-05	8.24929E-05	0.000129403
2974	9.30172E-05	9.79124E-05	3.38812E-05	7.52093E-05	0.000113439	8.76885E-05	9.23079E-05	4.08381E-05	7.52093E-05	0.000118551
2975	8.10083E-05	8.53392E-05	2.86887E-05	6.59516E-05	0.00010898	7.66814E-05	8.07301E-05	3.56184E-05	6.59516E-05	0.000113786
2976	7.00226E-05	7.39102E-05	2.30581E-05	5.78479E-05	0.000106591	6.68993E-05	7.04881E-05	3.05008E-05	5.78479E-05	0.000111238
2977	6.03725E-05	6.38782E-05	1.80223E-05	5.12097E-05	0.000109017	5.85261E-05	6.17015E-05	2.63204E-05	5.12097E-05	0.000113847
2978	5.71475E-05	6.0557E-05	1.59595E-05	4.91684E-05	0.000111521	5.58601E-05	5.89234E-05	2.47909E-05	4.91684E-05	0.000116547
2979	5.78142E-05	6.12969E-05	1.57415E-05	5.06984E-05	0.000119927	5.69824E-05	6.00845E-05	2.55201E-05	5.06984E-05	0.000125568
2980	6.10192E-05	6.46953E-05	1.66095E-05	5.47659E-05	0.000131905	6.06823E-05	6.39242E-05	2.78025E-05	5.47659E-05	0.000138401
2981	6.60595E-05	7.00004E-05	1.84514E-05	5.98639E-05	0.000145071	6.58728E-05	6.93399E-05	3.07085E-05	5.98639E-05	0.000152492
2982	7.09349E-05	7.51164E-05	2.04214E-05	6.355E-05	0.000156375	7.03308E-05	7.40439E-05	3.26716E-05	6.355E-05	0.000164713
2983	7.15536E-05	7.56445E-05	2.21334E-05	6.40181E-05	0.000208584	7.06858E-05	7.44138E-05	3.28764E-05	6.40181E-05	0.000212649
2984	6.92956E-05	7.31633E-05	2.2572E-05	6.28975E-05	0.000212449	6.86787E-05	7.22649E-05	3.2306E-05	6.28975E-05	0.00021689
2985	6.9744E-05	7.36058E-05	2.3092E-05	6.31906E-05	0.000215722	6.90188E-05	7.26004E-05	3.2693E-05	6.31906E-05	0.000220366
2986	7.06293E-05	7.45099E-05	2.37504E-05	6.36106E-05	0.000216545	6.96768E-05	7.32863E-05	3.30681E-05	6.36106E-05	0.000221229
2987	7.11539E-05	7.50525E-05	2.40569E-05	6.31166E-05	0.000216764	6.976E-05	7.34195E-05	3.2644E-05	6.31166E-05	0.000221449
2988	7.0775E-05	7.46703E-05	2.37177E-05	6.30823E-05	0.000210885	6.95493E-05	7.31967E-05	3.25573E-05	6.30823E-05	0.000216462
2989	7.20184E-05	7.59887E-05	2.40553E-05	6.46293E-05	0.000208083	7.09713E-05	7.46739E-05	3.34189E-05	6.46293E-05	0.000213455
2990	7.40048E-05	7.813E-05	2.41706E-05	6.70695E-05	0.000198835	7.32924E-05	7.71205E-05	3.44669E-05	6.70695E-05	0.000203549
2991	7.96517E-05	8.41406E-05	2.54247E-05	7.27373E-05	0.000192814	7.92085E-05	8.33595E-05	3.71083E-05	7.27373E-05	0.000195781
2992	8.40195E-05	8.87618E-05	2.673E-05	7.66314E-05	0.000180909	8.35246E-05	8.79141E-05	3.9005E-05	7.66314E-05	0.000183047
2993	8.63901E-05	9.12529E-05	2.76455E-05	7.85245E-05	0.000172346	8.57418E-05	9.0251E-05	4.00087E-05	7.85245E-05	0.000173905
2994	9.21266E-05	9.71848E-05	3.10216E-05	8.22773E-05	0.00016771	9.05797E-05	9.53089E-05	4.26153E-05	8.22773E-05	0.000168972
2995	9.96515E-05	0.000104899	3.6254E-05	8.61642E-05	0.000152113	9.63619E-05	0.000101348	4.57926E-05	8.61642E-05	0.000154934
2996	0.000101171	0.000106372	3.83431E-05	8.58928E-05	0.000137233	9.69231E-05	0.00010191	4.63403E-05	8.58928E-05	0.000141515
2997	9.98858E-05	0.000105047	3.75384E-05	8.24929E-05	0.000124682	9.4742E-05	9.96667E-05	4.47935E-05	8.24929E-05	0.000129403
2998	9.30172E-05	9.79124E-05	3.38812E-05	7.52093E-05	0.000113439	8.76885E-05	9.23079E-05	4.08381E-05	7.52093E-05	0.000118551
2999	8.10083E-05	8.53392E-05	2.86887E-05	6.59516E-05	0.00010898	7.66814E-05	8.07301E-05	3.56184E-05	6.59516E-05	0.000113786
3000	7.00226E-05	7.39102E-05	2.30581E-05	5.78479E-05	0.000106591	6.68993E-05	7.04881E-05	3.05008E-05	5.78479E-05	0.000111238
3001	6.03725E-05	6.38782E-05	1.80223E-05	5.12097E-05	0.000109017	5.85261E-05	6.17015E-05	2.63204E-05	5.12097E-05	0.000113847
3002	5.71475E-05	6.0557E-05	1.59595E-05	4.91684E-05	0.000111521	5.58601E-05	5.89234E-05	2.47909E-05	4.91684E-05	0.000116547
3003	5.78142E-05	6.12969E-05	1.57415E-05	5.06984E-05	0.000119927	5.69824E-05	6.00845E-05	2.55201E-05	5.06984E-05	0.000125568
3004	6.10192E-05	6.46953E-05	1.66095E-05	5.47659E-05	0.000131905	6.06823E-05	6.39242E-05	2.78025E-05	5.47659E-05	0.000138401
3005	6.60595E-05	7.00004E-05	1.84514E-05	5.98639E-05	0.000145071	6.58728E-05	6.93399E-05	3.07085E-05	5.98639E-05	0.000152492
3006	7.09349E-05	7.51164E-05	2.04214E-05	6.355E-05	0.000156375	7.03308E-05	7.40439E-05	3.26716E-05	6.355E-05	0.000164713
3007	7.15536E-05	7.56445E-05	2.21334E-05	6.40181E-05	0.000208584	7.06858E-05	7.44138E-05	3.28764E-05	6.40181E-05	0.000212649
3008	6.92956E-05	7.31633E-05	2.2572E-05	6.28975E-05	0.000212449	6.86787E-05	7.22649E-05	3.2306E-05	6.28975E-05	0.00021689
3009	6.9744E-05	7.36058E-05	2.3092E-05	6.31906E-05	0.000215722	6.90188E-05	7.26004E-05	3.2693E-05	6.31906E-05	0.000220366
3010	7.06293E-05	7.45099E-05	2.37504E-05	6.36106E-05	0.000216545	6.96768E-05	7.32863E-05	3.30681E-05	6.36106E-05	0.000221229
3011	7.11539E-05	7.50525E-05	2.40569E-05	6.31166E-05	0.000216764	6.976E-05	7.34195E-05	3.2644E-05	6.31166E-05	0.000221449
3012	7.0775E-05	7.46703E-05	2.37177E-05	6.30823E-05	0.000210885	6.95493E-05	7.31967E-05	3.25573E-05	6.30823E-05	0.000216462
3013	7.20184E-05	7.59887E-05	2.40553E-05	6.46293E-05	0.000208083	7.09713E-05	7.46739E-05	3.34189E-05	6.46293E-05	0.000213455
3014	7.40048E-05	7.813E-05	2.41706E-05	6.70695E-05	0.000198835	7.32924E-05	7.71205E-05	3.44669E-05	6.70695E-05	0.000203549
3015	7.96517E-05	8.41406E-05	2.54247E-05	7.27373E-05	0.000192814	7.92085E-05	8.33595E-05	3.71083E-05	7.27373E-05	0.000195781
3016	8.40195E-05	8.87618E-05	2.673E-05	7.66314E-05	0.000180909	8.35246E-05	8.79141E-05	3.9005E-05	7.66314E-05	0.000183047
3017	8.63901E-05	9.12529E-05	2.76455E-05	7.85245E-05	0.000172346	8.57418E-05	9.0251E-05	4.00087E-05	7.85245E-05	0.000173905
3018	9.21266E-05	9.71848E-05	3.10216E-05	8.22773E-05	0.00016771	9.05797E-05	9.53089E-05	4.26153E-05	8.22773E-05	0.000168972
3019	9.96515E-05	0.000104899	3.6254E-05	8.61642E-05	0.000152113	9.63619E-05	0.000101348	4.57926E-05	8.61642E-05	0.000154934
3020	0.000101171	0.000106372	3.83431E-05	8.58928E-05	0.000137233	9.69231E-05	0.00010191	4.63403E-05	8.58928E-05	0.000141515
3021	9.98858E-05	0.000105047	3.75384E-05	8.24929E-05	0.000124682	9.4742E-05	9.96667E-05	4.47935E-05	8.24929E-05	0.000129403
3022	9.30172E-05	9.79124E-05	3.38812E-05	7.52093E-05	0.000113439	8.76885E-05	9.23079E-05	4.08381E-05	7.52093E-05	0.000118551
3023	8.10083E-05	8.53392E-05	2.86887E-05	6.59516E-05	0.00010898	7.66814E-05	8.07301E-05	3.56184E-05	6.59516E-05	0.000113786
3024	7.00226E-05	7.39102E-05	2.30581E-05	5.78479E-05	0.000106591	6.68993E-05	7.04881E-05	3.05008E-05	5.78479E-05	0.000111238
3025	6.03725E-05	6.38782E-05	1.80223E-05	5.12097E-05	0.000109017	5.85261E-05	6.17015E-05	2.63204E-05	5.12097E-05	0.000113847
3026	5.71475E-05	6.0557E-05	1.59595E-05	4.91684E-05	0.000111521	5.58601E-05	5.89234E-05	2.47909E-05	4.91684E-05	0.000116547
3027	5.78142E-05	6.12969E-05	1.57415E-05	5.06984E-05	0.000119927	5.69824E-05	6.00845E-05	2.55201E-05	5.06984E-05	0.000125568
3028	6.10192E-05	6.46953E-05	1.66095E-05	5.47659E-05	0.000131905	6.06823E-05	6.39242E-05	2.78025E-05	5.47659E-05	0.000138401
3029	6.60595E-05	7.00004E-05	1.84514E-05	5.98639E-05	0.000145071	6.58728E-05	6.93399E-05	3.07085E-05	5.98639E-05	0.000152492
3030	7.09349E-05	7.51164E-05	2.04214E-05	6.355E-05	0.000156375	7.03308E-05	7.40439E-05	3.26716E-05	6.355E-05	0.000164713
3031	7.15536E-05	7.56445E-05	2.21334E-05	6.40181E-05	0.000208584	7.06858E-05	7.44138E-05	3.28764E-05	6.40181E-05	0.000212649

3032	6.92956E-05	7.31633E-05	2.2572E-05	6.28975E-05	0.000212449	6.86787E-05	7.22649E-05	3.2306E-05	6.28975E-05	0.00021689
3033	6.9744E-05	7.36058E-05	2.3092E-05	6.31906E-05	0.000215722	6.90188E-05	7.26004E-05	3.2693E-05	6.31906E-05	0.000220366
3034	7.06293E-05	7.45099E-05	2.37504E-05	6.36106E-05	0.000216545	6.96768E-05	7.32863E-05	3.30681E-05	6.36106E-05	0.000221229
3035	7.11539E-05	7.50525E-05	2.40569E-05	6.31166E-05	0.000216764	6.976E-05	7.34195E-05	3.2644E-05	6.31166E-05	0.000221449
3036	7.0775E-05	7.46703E-05	2.37177E-05	6.30823E-05	0.000210885	6.95493E-05	7.31967E-05	3.25573E-05	6.30823E-05	0.000216462
3037	7.20184E-05	7.59887E-05	2.40553E-05	6.46293E-05	0.000208083	7.09713E-05	7.46739E-05	3.34189E-05	6.46293E-05	0.000213455
3038	7.40048E-05	7.813E-05	2.41706E-05	6.70695E-05	0.000198835	7.32924E-05	7.71205E-05	3.44669E-05	6.70695E-05	0.000203549
3039	7.96517E-05	8.41406E-05	2.54247E-05	7.27373E-05	0.000192814	7.92085E-05	8.33595E-05	3.71083E-05	7.27373E-05	0.000195781
3040	8.40195E-05	8.87618E-05	2.673E-05	7.66314E-05	0.000180909	8.35246E-05	8.79141E-05	3.9005E-05	7.66314E-05	0.000183047
3041	8.63901E-05	9.12529E-05	2.76455E-05	7.85245E-05	0.000172346	8.57418E-05	9.0251E-05	4.00087E-05	7.85245E-05	0.000173905
3042	9.21266E-05	9.71848E-05	3.10216E-05	8.22773E-05	0.00016771	9.05797E-05	9.53089E-05	4.26153E-05	8.22773E-05	0.000168972
3043	9.96515E-05	0.000104899	3.6254E-05	8.61642E-05	0.000152113	9.63619E-05	0.000101348	4.57926E-05	8.61642E-05	0.000154934
3044	0.000101171	0.000106372	3.83431E-05	8.58928E-05	0.000137233	9.69231E-05	0.00010191	4.63403E-05	8.58928E-05	0.000141515
3045	9.98858E-05	0.000105047	3.75384E-05	8.24929E-05	0.000124682	9.4742E-05	9.96667E-05	4.47935E-05	8.24929E-05	0.000129403
3046	9.30172E-05	9.79124E-05	3.38812E-05	7.52093E-05	0.000113439	8.76885E-05	9.23079E-05	4.08381E-05	7.52093E-05	0.000118551
3047	8.10083E-05	8.53392E-05	2.86887E-05	6.59516E-05	0.00010898	7.66814E-05	8.07301E-05	3.56184E-05	6.59516E-05	0.000113786
3048	7.00226E-05	7.39102E-05	2.30581E-05	5.78479E-05	0.000106591	6.68993E-05	7.04881E-05	3.05008E-05	5.78479E-05	0.000111238
3049	6.07733E-05	6.43036E-05	1.81257E-05	5.1621E-05	0.000108027	5.89477E-05	6.21445E-05	2.65252E-05	5.1621E-05	0.000112778
3050	5.69076E-05	6.03011E-05	1.59122E-05	4.89764E-05	0.000112222	5.56288E-05	5.86762E-05	2.47215E-05	4.89764E-05	0.0001173
3051	5.7894E-05	6.13812E-05	1.57678E-05	5.08014E-05	0.000120763	5.70746E-05	6.01797E-05	2.55816E-05	5.08014E-05	0.000126465
3052	6.1326E-05	6.50208E-05	1.66911E-05	5.50896E-05	0.000132898	6.10086E-05	6.42663E-05	2.79681E-05	5.50896E-05	0.000139467
3053	6.62574E-05	7.02092E-05	1.85183E-05	6.01258E-05	0.000146513	6.61039E-05	6.95781E-05	3.08674E-05	6.01258E-05	0.000154038
3054	7.12448E-05	7.54441E-05	2.05157E-05	6.39213E-05	0.000158352	7.06776E-05	7.44041E-05	3.28824E-05	6.39213E-05	0.000166829
3055	7.3291E-05	7.75147E-05	2.22668E-05	6.44504E-05	0.00021119	7.19771E-05	7.58119E-05	3.30842E-05	6.44504E-05	0.000215438
3056	6.95355E-05	7.34188E-05	2.26233E-05	6.31044E-05	0.000215329	6.89157E-05	7.25171E-05	3.23901E-05	6.31044E-05	0.000219972
3057	6.99073E-05	7.37805E-05	2.31176E-05	6.32969E-05	0.000218597	6.91668E-05	7.27607E-05	3.27163E-05	6.32969E-05	0.000223443
3058	7.06848E-05	7.45684E-05	2.3769E-05	6.36835E-05	0.000219385	6.97414E-05	7.33529E-05	3.31121E-05	6.36835E-05	0.000224266
3059	7.11083E-05	7.50043E-05	2.40429E-05	6.30616E-05	0.00021952	6.97088E-05	7.33664E-05	3.26127E-05	6.30616E-05	0.000224394
3060	7.05303E-05	7.44104E-05	2.36572E-05	6.28407E-05	0.00021353	6.92957E-05	7.29294E-05	3.24415E-05	6.28407E-05	0.000219287
3061	7.15629E-05	7.55045E-05	2.3946E-05	6.41921E-05	0.00021043	7.05039E-05	7.41804E-05	3.32157E-05	6.41921E-05	0.000215963
3062	7.37933E-05	7.79039E-05	2.41344E-05	6.69209E-05	0.000200833	7.30965E-05	7.69093E-05	3.44261E-05	6.69209E-05	0.000205679
3063	7.99711E-05	8.44788E-05	2.55159E-05	7.3098E-05	0.000194611	7.95574E-05	8.37235E-05	3.7304E-05	7.3098E-05	0.000197695
3064	8.52208E-05	9.0039E-05	2.70146E-05	7.77702E-05	0.000182778	8.47518E-05	8.92109E-05	3.95268E-05	7.77702E-05	0.00018504
3065	8.76395E-05	9.25806E-05	2.79484E-05	7.97343E-05	0.000174068	8.70281E-05	9.16081E-05	4.05764E-05	7.97343E-05	0.000175741
3066	9.3334E-05	9.84681E-05	3.13112E-05	8.34352E-05	0.000169286	9.18183E-05	9.66166E-05	4.31528E-05	8.34352E-05	0.000170654
3067	0.00010076	0.000106078	3.65157E-05	8.72115E-05	0.000153908	9.7493E-05	0.000102543	4.62707E-05	8.72115E-05	0.000156852
3068	0.000102231	0.000107498	3.85964E-05	8.69057E-05	0.000138925	9.80089E-05	0.000103057	4.68086E-05	8.69057E-05	0.000143322
3069	9.93548E-05	0.000104458	3.77058E-05	8.32598E-05	0.000126336	9.47047E-05	9.95893E-05	4.51644E-05	8.32598E-05	0.000131167
3070	9.37475E-05	9.86886E-05	3.40563E-05	7.59093E-05	0.000114993	8.84376E-05	9.30988E-05	4.11629E-05	7.59093E-05	0.000120208
3071	8.14614E-05	8.58205E-05	2.8801E-05	6.63994E-05	0.000110396	7.71514E-05	8.12253E-05	3.58331E-05	6.63994E-05	0.000115294
3072	7.04003E-05	7.43115E-05	2.31513E-05	5.82197E-05	0.000107846	6.72905E-05	7.09004E-05	3.06784E-05	5.82197E-05	0.000112575
3073	6.07733E-05	6.43036E-05	1.81257E-05	5.1621E-05	0.000108027	5.89477E-05	6.21445E-05	2.65252E-05	5.1621E-05	0.000112778
3074	5.69076E-05	6.03011E-05	1.59122E-05	4.89764E-05	0.000112222	5.56288E-05	5.86762E-05	2.47215E-05	4.89764E-05	0.0001173
3075	5.7894E-05	6.13812E-05	1.57678E-05	5.08014E-05	0.000120763	5.70746E-05	6.01797E-05	2.55816E-05	5.08014E-05	0.000126465
3076	6.1326E-05	6.50208E-05	1.66911E-05	5.50896E-05	0.000132898	6.10086E-05	6.42663E-05	2.79681E-05	5.50896E-05	0.000139467
3077	6.62574E-05	7.02092E-05	1.85183E-05	6.01258E-05	0.000146513	6.61039E-05	6.95781E-05	3.08674E-05	6.01258E-05	0.000154038
3078	7.12448E-05	7.54441E-05	2.05157E-05	6.39213E-05	0.000158352	7.06776E-05	7.44041E-05	3.28824E-05	6.39213E-05	0.000166829
3079	7.3291E-05	7.75147E-05	2.22668E-05	6.44504E-05	0.00021119	7.19771E-05	7.58119E-05	3.30842E-05	6.44504E-05	0.000215438
3080	6.95355E-05	7.34188E-05	2.26233E-05	6.31044E-05	0.000215329	6.89157E-05	7.25171E-05	3.23901E-05	6.31044E-05	0.000219972
3081	6.99073E-05	7.37805E-05	2.31176E-05	6.32969E-05	0.000218597	6.91668E-05	7.27607E-05	3.27163E-05	6.32969E-05	0.000223443
3082	7.06848E-05	7.45684E-05	2.3769E-05	6.36835E-05	0.000219385	6.97414E-05	7.33529E-05	3.31121E-05	6.36835E-05	0.000224266
3083	7.11083E-05	7.50043E-05	2.40429E-05	6.30616E-05	0.00021952	6.97088E-05	7.33664E-05	3.26127E-05	6.30616E-05	0.000224394
3084	7.05303E-05	7.44104E-05	2.36572E-05	6.28407E-05	0.00021353	6.92957E-05	7.29294E-05	3.24415E-05	6.28407E-05	0.000219287
3085	7.15629E-05	7.55045E-05	2.3946E-05	6.41921E-05	0.00021043	7.05039E-05	7.41804E-05	3.32157E-05	6.41921E-05	0.000215963
3086	7.37933E-05	7.79039E-05	2.41344E-05	6.69209E-05	0.000200833	7.30965E-05	7.69093E-05	3.44261E-05	6.69209E-05	0.000205679
3087	7.99711E-05	8.44788E-05	2.55159E-05	7.3098E-05	0.000194611	7.95574E-05	8.37235E-05	3.7304E-05	7.3098E-05	0.000197695
3088	8.52208E-05	9.0039E-05	2.70146E-05	7.77702E-05	0.000182778	8.47518E-05	8.92109E-05	3.95268E-05	7.77702E-05	0.00018504
3089	8.76395E-05	9.25806E-05	2.79484E-05	7.97343E-05	0.000174068	8.70281E-05	9.16081E-05	4.05764E-05	7.97343E-05	0.000175741
3090	9.3334E-05	9.84681E-05	3.13112E-05	8.34352E-05	0.000169286	9.18183E-05	9.66166E-05	4.31528E-05	8.34352E-05	0.000170654
3091	0.00010076	0.000106078	3.65157E-05	8.72115E-05	0.000153908	9.7493E-05	0.000102543	4.62707E-05	8.72115E-05	0.000156852
3092	0.000102231	0.000107498	3.85964E-05	8.69057E-05	0.000138925	9.80089E-05	0.000103057	4.68086E-05	8.69057E-05	0.000143322
3093	9.93548E-05	0.000104458	3.77058E-05	8.32598E-05	0.000126336	9.47047E-05	9.95893E-05	4.51644E-05	8.32598E-05	0.000131167
3094	9.37475E-05	9.86886E-05	3.40563E-05	7.59093E-05	0.000114993	8.84376E-05	9.30988E-05	4.11629E-05	7.59093E-05	0.000120208
3095	8.14614E-05	8.58205E-05	2.8801E-05	6.63994E-05	0.000110396	7.71514E-05	8.12253E-05	3.58331E-05	6.63994E-05	0.000115294
3096	7.04003E-05	7.43115E-05	2.31513E-05	5.82197E-05	0.000107846	6.72905E-05	7.09004E-05	3.06784E-05	5.82197E-05	0.000112575
3097	6.03725E-05	6.38782E-05	1.80223E-05	5.12097E-05	0.000109017	5.85261E-05	6.17015E-05	2.63204E-05	5.12097E-05	0.000113847
3098	5.71475E-05	6.0557E-05	1.59595E-05	4.91684E-05	0.000111521	5.58601E-05	5.89234E-05	2.47909E-05	4.91684E-05	0.000116547
3099	5.78142E-05	6.12969E-05	1.57415E-05	5.06984E-05	0.000119927	5.69824E-05	6.00845E-05	2.55201E-05	5.06984E-05	0.000125568
3100	6.10192E-05	6.46953E-05	1.66095E-05	5.47659E-05	0.000131905	6.06823E-05	6.39242E-05	2.78025E-05	5.47659E-05	0.000138401
3101	6.60595E-05	7.00004E-05	1.84514E-05	5.98639E-05	0.000145071	6.58728E-05	6.93399E-05	3.07085E-05	5.98639E-05	0.000152492
3102	7.09349E-05	7.51164E-05	2.04214E-05	6.355E-05	0.000156375	7.03308E-05	7.40439E-05	3.26716E-05	6.355E-05	0.000164713
3103	7.15536E-05	7.56445E-05	2.21334E-05	6.40181E-05	0.000208584	7.06858E-05	7.44138E-05	3.28764E-05	6.40181E-05	0.000212649
3104	6.92956E-05	7.31633E-05	2.2572E-05	6.28975E-05	0.000212449	6.86787E-05	7.22649E-05	3.2306E-05	6.28975E-05	0.00021689
3105	6.9744E-05	7.36058E-05	2.3092E-05	6.31906E-05	0.000215722	6.90188E-05	7.26004E-05	3.2693E-05	6.31906E-05	0.000220366
3106	7.06293E-05	7.45099E-05	2.37504E-05	6.36106E-05	0.000216545	6.96768E-05	7.32863E-05	3.30681E-05	6.36106E-05	0.000221229
3107	7.11539E-05	7.50525E-05	2.40569E-05	6.31166E-05	0.000216764	6.976E-05	7.34195E-05	3.2644E-05	6.31166E-05	0.000221449

3108	7.0775E-05	7.46703E-05	2.37177E-05	6.30823E-05	0.000210885	6.95493E-05	7.31967E-05	3.25573E-05	6.30823E-05	0.000216462
3109	7.20184E-05	7.59887E-05	2.40553E-05	6.46293E-05	0.000208083	7.09713E-05	7.46739E-05	3.34189E-05	6.46293E-05	0.000213455
3110	7.40048E-05	7.813E-05	2.41706E-05	6.70695E-05	0.000198835	7.32924E-05	7.71205E-05	3.44669E-05	6.70695E-05	0.000203549
3111	7.96517E-05	8.41406E-05	2.54247E-05	7.27373E-05	0.000192814	7.92085E-05	8.33595E-05	3.71083E-05	7.27373E-05	0.000195781
3112	8.40195E-05	8.87618E-05	2.673E-05	7.66314E-05	0.000180909	8.35246E-05	8.79141E-05	3.9005E-05	7.66314E-05	0.000183047
3113	8.63901E-05	9.12529E-05	2.76455E-05	7.85245E-05	0.000172346	8.57418E-05	9.0251E-05	4.00087E-05	7.85245E-05	0.000173905
3114	9.21266E-05	9.71848E-05	3.10216E-05	8.22773E-05	0.00016771	9.05797E-05	9.53089E-05	4.26153E-05	8.22773E-05	0.000168972
3115	9.96515E-05	0.000104899	3.6254E-05	8.61642E-05	0.000152113	9.63619E-05	0.000101348	4.57926E-05	8.61642E-05	0.000154934
3116	0.000101171	0.000106372	3.83431E-05	8.58928E-05	0.000137233	9.69231E-05	0.00010191	4.63403E-05	8.58928E-05	0.000141515
3117	9.98858E-05	0.000105047	3.75384E-05	8.24929E-05	0.000124682	9.4742E-05	9.96667E-05	4.47935E-05	8.24929E-05	0.000129403
3118	9.30172E-05	9.79124E-05	3.38812E-05	7.52093E-05	0.000113439	8.76885E-05	9.23079E-05	4.08381E-05	7.52093E-05	0.000118551
3119	8.10083E-05	8.53392E-05	2.86887E-05	6.59516E-05	0.00010898	7.66814E-05	8.07301E-05	3.56184E-05	6.59516E-05	0.000113786
3120	7.00226E-05	7.39102E-05	2.30581E-05	5.78479E-05	0.000106591	6.68993E-05	7.04881E-05	3.05008E-05	5.78479E-05	0.000111238
3121	6.03725E-05	6.38782E-05	1.80223E-05	5.12097E-05	0.000109017	5.85261E-05	6.17015E-05	2.63204E-05	5.12097E-05	0.000113847
3122	5.71475E-05	6.0557E-05	1.59595E-05	4.91684E-05	0.000111521	5.58601E-05	5.89234E-05	2.47909E-05	4.91684E-05	0.000116547
3123	5.78142E-05	6.12969E-05	1.57415E-05	5.06984E-05	0.000119927	5.69824E-05	6.00845E-05	2.55201E-05	5.06984E-05	0.000125568
3124	6.10192E-05	6.46953E-05	1.66095E-05	5.47659E-05	0.000131905	6.06823E-05	6.39242E-05	2.78025E-05	5.47659E-05	0.000138401
3125	6.60595E-05	7.00004E-05	1.84514E-05	5.98639E-05	0.000145071	6.58728E-05	6.93399E-05	3.07085E-05	5.98639E-05	0.000152492
3126	7.09349E-05	7.51164E-05	2.04214E-05	6.355E-05	0.000156375	7.03308E-05	7.40439E-05	3.26716E-05	6.355E-05	0.000164713
3127	7.15536E-05	7.56445E-05	2.21334E-05	6.40181E-05	0.000208584	7.06858E-05	7.44138E-05	3.28764E-05	6.40181E-05	0.000212649
3128	6.92956E-05	7.31633E-05	2.2572E-05	6.28975E-05	0.000212449	6.86787E-05	7.22649E-05	3.2306E-05	6.28975E-05	0.00021689
3129	6.9744E-05	7.36058E-05	2.3092E-05	6.31906E-05	0.000215722	6.90188E-05	7.26004E-05	3.2693E-05	6.31906E-05	0.000220366
3130	7.06293E-05	7.45099E-05	2.37504E-05	6.36106E-05	0.000216545	6.96768E-05	7.32863E-05	3.30681E-05	6.36106E-05	0.000221229
3131	7.11539E-05	7.50525E-05	2.40569E-05	6.31166E-05	0.000216764	6.976E-05	7.34195E-05	3.2644E-05	6.31166E-05	0.000221449
3132	7.0775E-05	7.46703E-05	2.37177E-05	6.30823E-05	0.000210885	6.95493E-05	7.31967E-05	3.25573E-05	6.30823E-05	0.000216462
3133	7.20184E-05	7.59887E-05	2.40553E-05	6.46293E-05	0.000208083	7.09713E-05	7.46739E-05	3.34189E-05	6.46293E-05	0.000213455
3134	7.40048E-05	7.813E-05	2.41706E-05	6.70695E-05	0.000198835	7.32924E-05	7.71205E-05	3.44669E-05	6.70695E-05	0.000203549
3135	7.96517E-05	8.41406E-05	2.54247E-05	7.27373E-05	0.000192814	7.92085E-05	8.33595E-05	3.71083E-05	7.27373E-05	0.000195781
3136	8.40195E-05	8.87618E-05	2.673E-05	7.66314E-05	0.000180909	8.35246E-05	8.79141E-05	3.9005E-05	7.66314E-05	0.000183047
3137	8.63901E-05	9.12529E-05	2.76455E-05	7.85245E-05	0.000172346	8.57418E-05	9.0251E-05	4.00087E-05	7.85245E-05	0.000173905
3138	9.21266E-05	9.71848E-05	3.10216E-05	8.22773E-05	0.00016771	9.05797E-05	9.53089E-05	4.26153E-05	8.22773E-05	0.000168972
3139	9.96515E-05	0.000104899	3.6254E-05	8.61642E-05	0.000152113	9.63619E-05	0.000101348	4.57926E-05	8.61642E-05	0.000154934
3140	0.000101171	0.000106372	3.83431E-05	8.58928E-05	0.000137233	9.69231E-05	0.00010191	4.63403E-05	8.58928E-05	0.000141515
3141	9.98858E-05	0.000105047	3.75384E-05	8.24929E-05	0.000124682	9.4742E-05	9.96667E-05	4.47935E-05	8.24929E-05	0.000129403
3142	9.30172E-05	9.79124E-05	3.38812E-05	7.52093E-05	0.000113439	8.76885E-05	9.23079E-05	4.08381E-05	7.52093E-05	0.000118551
3143	8.10083E-05	8.53392E-05	2.86887E-05	6.59516E-05	0.00010898	7.66814E-05	8.07301E-05	3.56184E-05	6.59516E-05	0.000113786
3144	7.00226E-05	7.39102E-05	2.30581E-05	5.78479E-05	0.000106591	6.68993E-05	7.04881E-05	3.05008E-05	5.78479E-05	0.000111238
3145	6.03725E-05	6.38782E-05	1.80223E-05	5.12097E-05	0.000109017	5.85261E-05	6.17015E-05	2.63204E-05	5.12097E-05	0.000113847
3146	5.71475E-05	6.0557E-05	1.59595E-05	4.91684E-05	0.000111521	5.58601E-05	5.89234E-05	2.47909E-05	4.91684E-05	0.000116547
3147	5.78142E-05	6.12969E-05	1.57415E-05	5.06984E-05	0.000119927	5.69824E-05	6.00845E-05	2.55201E-05	5.06984E-05	0.000125568
3148	6.10192E-05	6.46953E-05	1.66095E-05	5.47659E-05	0.000131905	6.06823E-05	6.39242E-05	2.78025E-05	5.47659E-05	0.000138401
3149	6.60595E-05	7.00004E-05	1.84514E-05	5.98639E-05	0.000145071	6.58728E-05	6.93399E-05	3.07085E-05	5.98639E-05	0.000152492
3150	7.09349E-05	7.51164E-05	2.04214E-05	6.355E-05	0.000156375	7.03308E-05	7.40439E-05	3.26716E-05	6.355E-05	0.000164713
3151	7.15536E-05	7.56445E-05	2.21334E-05	6.40181E-05	0.000208584	7.06858E-05	7.44138E-05	3.28764E-05	6.40181E-05	0.000212649
3152	6.92956E-05	7.31633E-05	2.2572E-05	6.28975E-05	0.000212449	6.86787E-05	7.22649E-05	3.2306E-05	6.28975E-05	0.00021689
3153	6.9744E-05	7.36058E-05	2.3092E-05	6.31906E-05	0.000215722	6.90188E-05	7.26004E-05	3.2693E-05	6.31906E-05	0.000220366
3154	7.06293E-05	7.45099E-05	2.37504E-05	6.36106E-05	0.000216545	6.96768E-05	7.32863E-05	3.30681E-05	6.36106E-05	0.000221229
3155	7.11539E-05	7.50525E-05	2.40569E-05	6.31166E-05	0.000216764	6.976E-05	7.34195E-05	3.2644E-05	6.31166E-05	0.000221449
3156	7.0775E-05	7.46703E-05	2.37177E-05	6.30823E-05	0.000210885	6.95493E-05	7.31967E-05	3.25573E-05	6.30823E-05	0.000216462
3157	7.20184E-05	7.59887E-05	2.40553E-05	6.46293E-05	0.000208083	7.09713E-05	7.46739E-05	3.34189E-05	6.46293E-05	0.000213455
3158	7.40048E-05	7.813E-05	2.41706E-05	6.70695E-05	0.000198835	7.32924E-05	7.71205E-05	3.44669E-05	6.70695E-05	0.000203549
3159	7.96517E-05	8.41406E-05	2.54247E-05	7.27373E-05	0.000192814	7.92085E-05	8.33595E-05	3.71083E-05	7.27373E-05	0.000195781
3160	8.40195E-05	8.87618E-05	2.673E-05	7.66314E-05	0.000180909	8.35246E-05	8.79141E-05	3.9005E-05	7.66314E-05	0.000183047
3161	8.63901E-05	9.12529E-05	2.76455E-05	7.85245E-05	0.000172346	8.57418E-05	9.0251E-05	4.00087E-05	7.85245E-05	0.000173905
3162	9.21266E-05	9.71848E-05	3.10216E-05	8.22773E-05	0.00016771	9.05797E-05	9.53089E-05	4.26153E-05	8.22773E-05	0.000168972
3163	9.96515E-05	0.000104899	3.6254E-05	8.61642E-05	0.000152113	9.63619E-05	0.000101348	4.57926E-05	8.61642E-05	0.000154934
3164	0.000101171	0.000106372	3.83431E-05	8.58928E-05	0.000137233	9.69231E-05	0.00010191	4.63403E-05	8.58928E-05	0.000141515
3165	9.98858E-05	0.000105047	3.75384E-05	8.24929E-05	0.000124682	9.4742E-05	9.96667E-05	4.47935E-05	8.24929E-05	0.000129403
3166	9.30172E-05	9.79124E-05	3.38812E-05	7.52093E-05	0.000113439	8.76885E-05	9.23079E-05	4.08381E-05	7.52093E-05	0.000118551
3167	8.10083E-05	8.53392E-05	2.86887E-05	6.59516E-05	0.00010898	7.66814E-05	8.07301E-05	3.56184E-05	6.59516E-05	0.000113786
3168	7.00226E-05	7.39102E-05	2.30581E-05	5.78479E-05	0.000106591	6.68993E-05	7.04881E-05	3.05008E-05	5.78479E-05	0.000111238
3169	6.03725E-05	6.38782E-05	1.80223E-05	5.12097E-05	0.000109017	5.85261E-05	6.17015E-05	2.63204E-05	5.12097E-05	0.000113847
3170	5.71475E-05	6.0557E-05	1.59595E-05	4.91684E-05	0.000111521	5.58601E-05	5.89234E-05	2.47909E-05	4.91684E-05	0.000116547
3171	5.78142E-05	6.12969E-05	1.57415E-05	5.06984E-05	0.000119927	5.69824E-05	6.00845E-05	2.55201E-05	5.06984E-05	0.000125568
3172	6.10192E-05	6.46953E-05	1.66095E-05	5.47659E-05	0.000131905	6.06823E-05	6.39242E-05	2.78025E-05	5.47659E-05	0.000138401
3173	6.60595E-05	7.00004E-05	1.84514E-05	5.98639E-05	0.000145071	6.58728E-05	6.93399E-05	3.07085E-05	5.98639E-05	0.000152492
3174	7.09349E-05	7.51164E-05	2.04214E-05	6.355E-05	0.000156375	7.03308E-05	7.40439E-05	3.26716E-05	6.355E-05	0.000164713
3175	7.15536E-05	7.56445E-05	2.21334E-05	6.40181E-05	0.000208584	7.06858E-05	7.44138E-05	3.28764E-05	6.40181E-05	0.000212649
3176	6.92956E-05	7.31633E-05	2.2572E-05	6.28975E-05	0.000212449	6.86787E-05	7.22649E-05	3.2306E-05	6.28975E-05	0.00021689
3177	6.9744E-05	7.36058E-05	2.3092E-05	6.31906E-05	0.000215722	6.90188E-05	7.26004E-05	3.2693E-05	6.31906E-05	0.000220366
3178	7.06293E-05	7.45099E-05	2.37504E-05	6.36106E-05	0.000216545	6.96768E-05	7.32863E-05	3.30681E-05	6.36106E-05	0.000221229
3179	7.11539E-05	7.50525E-05	2.40569E-05	6.31166E-05	0.000216764	6.976E-05	7.34195E-05	3.2644E-05	6.31166E-05	0.000221449
3180	7.0775E-05	7.46703E-05	2.37177E-05	6.30823E-05	0.000210885	6.95493E-05	7.31967E-05	3.25573E-05	6.30823E-05	0.000216462
3181	7.20184E-05	7.59887E-05	2.40553E-05	6.46293E-05	0.000208083	7.09713E-05	7.46739E-05	3.34189E-05	6.46293E-05	0.000213455
3182	7.40048E-05	7.813E-05	2.41706E-05	6.70695E-05	0.000198835	7.32924E-05	7.71205E-05	3.44669E-05	6.70695E-05	0.000203549
3183	7.96517E-05	8.41406E-05	2.54247E-05	7.27373E-05	0.000192814	7.92085E-05	8.33595E-05	3.71083E-05	7.27373E-05	0.000195781

3184	8.40195E-05	8.87618E-05	2.673E-05	7.66314E-05	0.000180909	8.35246E-05	8.79141E-05	3.9005E-05	7.66314E-05	0.000183047
3185	8.63901E-05	9.12529E-05	2.76455E-05	7.85245E-05	0.000172346	8.57418E-05	9.0251E-05	4.00087E-05	7.85245E-05	0.000173905
3186	9.21266E-05	9.71848E-05	3.10216E-05	8.22773E-05	0.00016771	9.05797E-05	9.53089E-05	4.26153E-05	8.22773E-05	0.000168972
3187	9.96515E-05	0.000104899	3.6254E-05	8.61642E-05	0.000152113	9.63619E-05	0.000101348	4.57926E-05	8.61642E-05	0.000154934
3188	0.000101171	0.000106372	3.83431E-05	8.58928E-05	0.000137233	9.69231E-05	0.00010191	4.63403E-05	8.58928E-05	0.000141515
3189	9.98858E-05	0.000105047	3.75384E-05	8.24929E-05	0.000124682	9.4742E-05	9.96667E-05	4.47935E-05	8.24929E-05	0.000129403
3190	9.30172E-05	9.79124E-05	3.38812E-05	7.52093E-05	0.000113439	8.76885E-05	9.23079E-05	4.08381E-05	7.52093E-05	0.000118551
3191	8.10083E-05	8.53392E-05	2.86887E-05	6.59516E-05	0.00010898	7.66814E-05	8.07301E-05	3.56184E-05	6.59516E-05	0.000113786
3192	7.00226E-05	7.39102E-05	2.30581E-05	5.78479E-05	0.000106591	6.68993E-05	7.04881E-05	3.05008E-05	5.78479E-05	0.000111238
3193	6.03725E-05	6.38782E-05	1.80223E-05	5.12097E-05	0.000109017	5.85261E-05	6.17015E-05	2.63204E-05	5.12097E-05	0.000113847
3194	5.71475E-05	6.0557E-05	1.59595E-05	4.91684E-05	0.000111521	5.58601E-05	5.89234E-05	2.47909E-05	4.91684E-05	0.000116547
3195	5.78142E-05	6.12969E-05	1.57415E-05	5.06984E-05	0.000119927	5.69824E-05	6.00845E-05	2.55201E-05	5.06984E-05	0.000125568
3196	6.10192E-05	6.46953E-05	1.66095E-05	5.47659E-05	0.000131905	6.06823E-05	6.39242E-05	2.78025E-05	5.47659E-05	0.000138401
3197	6.60595E-05	7.00004E-05	1.84514E-05	5.98639E-05	0.000145071	6.58728E-05	6.93399E-05	3.07085E-05	5.98639E-05	0.000152492
3198	7.09349E-05	7.51164E-05	2.04214E-05	6.355E-05	0.000156375	7.03308E-05	7.40439E-05	3.26716E-05	6.355E-05	0.000164713
3199	7.15536E-05	7.56445E-05	2.21334E-05	6.40181E-05	0.000208584	7.06858E-05	7.44138E-05	3.28764E-05	6.40181E-05	0.000212649
3200	6.92956E-05	7.31633E-05	2.2572E-05	6.28975E-05	0.000212449	6.86787E-05	7.22649E-05	3.2306E-05	6.28975E-05	0.00021689
3201	6.9744E-05	7.36058E-05	2.3092E-05	6.31906E-05	0.000215722	6.90188E-05	7.26004E-05	3.2693E-05	6.31906E-05	0.000220366
3202	7.06293E-05	7.45099E-05	2.37504E-05	6.36106E-05	0.000216545	6.96768E-05	7.32863E-05	3.30681E-05	6.36106E-05	0.000221229
3203	7.11539E-05	7.50525E-05	2.40569E-05	6.31166E-05	0.000216764	6.976E-05	7.34195E-05	3.2644E-05	6.31166E-05	0.000221449
3204	7.0775E-05	7.46703E-05	2.37177E-05	6.30823E-05	0.000210885	6.95493E-05	7.31967E-05	3.25573E-05	6.30823E-05	0.000216462
3205	7.20184E-05	7.59887E-05	2.40553E-05	6.46293E-05	0.000208083	7.09713E-05	7.46739E-05	3.34189E-05	6.46293E-05	0.000213455
3206	7.40048E-05	7.813E-05	2.41706E-05	6.70695E-05	0.000198835	7.32924E-05	7.71205E-05	3.44669E-05	6.70695E-05	0.000203549
3207	7.96517E-05	8.41406E-05	2.54247E-05	7.27373E-05	0.000192814	7.92085E-05	8.33595E-05	3.71083E-05	7.27373E-05	0.000195781
3208	8.40195E-05	8.87618E-05	2.673E-05	7.66314E-05	0.000180909	8.35246E-05	8.79141E-05	3.9005E-05	7.66314E-05	0.000183047
3209	8.63901E-05	9.12529E-05	2.76455E-05	7.85245E-05	0.000172346	8.57418E-05	9.0251E-05	4.00087E-05	7.85245E-05	0.000173905
3210	9.21266E-05	9.71848E-05	3.10216E-05	8.22773E-05	0.00016771	9.05797E-05	9.53089E-05	4.26153E-05	8.22773E-05	0.000168972
3211	9.96515E-05	0.000104899	3.6254E-05	8.61642E-05	0.000152113	9.63619E-05	0.000101348	4.57926E-05	8.61642E-05	0.000154934
3212	0.000101171	0.000106372	3.83431E-05	8.58928E-05	0.000137233	9.69231E-05	0.00010191	4.63403E-05	8.58928E-05	0.000141515
3213	9.98858E-05	0.000105047	3.75384E-05	8.24929E-05	0.000124682	9.4742E-05	9.96667E-05	4.47935E-05	8.24929E-05	0.000129403
3214	9.30172E-05	9.79124E-05	3.38812E-05	7.52093E-05	0.000113439	8.76885E-05	9.23079E-05	4.08381E-05	7.52093E-05	0.000118551
3215	8.10083E-05	8.53392E-05	2.86887E-05	6.59516E-05	0.00010898	7.66814E-05	8.07301E-05	3.56184E-05	6.59516E-05	0.000113786
3216	7.00226E-05	7.39102E-05	2.30581E-05	5.78479E-05	0.000106591	6.68993E-05	7.04881E-05	3.05008E-05	5.78479E-05	0.000111238
3217	6.07733E-05	6.43036E-05	1.81257E-05	5.1621E-05	0.000108027	5.89477E-05	6.21445E-05	2.65252E-05	5.1621E-05	0.000112778
3218	5.69076E-05	6.03011E-05	1.59122E-05	4.89764E-05	0.000112222	5.56288E-05	5.86762E-05	2.47215E-05	4.89764E-05	0.0001173
3219	5.7894E-05	6.13812E-05	1.57678E-05	5.08014E-05	0.000120763	5.70746E-05	6.01797E-05	2.55816E-05	5.08014E-05	0.000126465
3220	6.1326E-05	6.50208E-05	1.66911E-05	5.50896E-05	0.000132898	6.10086E-05	6.42663E-05	2.79681E-05	5.50896E-05	0.000139467
3221	6.62574E-05	7.02092E-05	1.85183E-05	6.01258E-05	0.000146513	6.61039E-05	6.95781E-05	3.08674E-05	6.01258E-05	0.000154038
3222	7.12448E-05	7.54441E-05	2.05157E-05	6.39213E-05	0.000158352	7.06776E-05	7.44041E-05	3.28824E-05	6.39213E-05	0.000166829
3223	7.3291E-05	7.75147E-05	2.22668E-05	6.44504E-05	0.00021119	7.19771E-05	7.58119E-05	3.30842E-05	6.44504E-05	0.000215438
3224	6.95355E-05	7.34188E-05	2.26233E-05	6.31044E-05	0.000215329	6.89157E-05	7.25171E-05	3.23901E-05	6.31044E-05	0.000219972
3225	6.99073E-05	7.37805E-05	2.31176E-05	6.32969E-05	0.000218597	6.91668E-05	7.27607E-05	3.27163E-05	6.32969E-05	0.000223443
3226	7.06848E-05	7.45684E-05	2.3769E-05	6.36835E-05	0.000219385	6.97414E-05	7.33529E-05	3.31121E-05	6.36835E-05	0.000224266
3227	7.11083E-05	7.50043E-05	2.40429E-05	6.30616E-05	0.00021952	6.97088E-05	7.33664E-05	3.26127E-05	6.30616E-05	0.000224394
3228	7.05303E-05	7.44104E-05	2.36572E-05	6.28407E-05	0.00021353	6.92957E-05	7.29294E-05	3.24415E-05	6.28407E-05	0.000219287
3229	7.15629E-05	7.55045E-05	2.3946E-05	6.41921E-05	0.00021043	7.05039E-05	7.41804E-05	3.32157E-05	6.41921E-05	0.000215963
3230	7.37933E-05	7.79039E-05	2.41344E-05	6.69209E-05	0.000200833	7.30965E-05	7.69093E-05	3.44261E-05	6.69209E-05	0.000205679
3231	7.99711E-05	8.44788E-05	2.55159E-05	7.3098E-05	0.000194611	7.95574E-05	8.37235E-05	3.7304E-05	7.3098E-05	0.000197695
3232	8.52208E-05	9.0039E-05	2.70146E-05	7.77702E-05	0.000182778	8.47518E-05	8.92109E-05	3.95268E-05	7.77702E-05	0.00018504
3233	8.76395E-05	9.25806E-05	2.79484E-05	7.97343E-05	0.000174068	8.70281E-05	9.16081E-05	4.05764E-05	7.97343E-05	0.000175741
3234	9.3334E-05	9.84681E-05	3.13112E-05	8.34352E-05	0.000169286	9.18183E-05	9.66166E-05	4.31528E-05	8.34352E-05	0.000170654
3235	0.00010076	0.000106078	3.65157E-05	8.72115E-05	0.000153908	9.7493E-05	0.000102543	4.62707E-05	8.72115E-05	0.000156852
3236	0.000102231	0.000107498	3.85964E-05	8.69057E-05	0.000138925	9.80089E-05	0.000103057	4.68086E-05	8.69057E-05	0.000143322
3237	9.93548E-05	0.000104458	3.77058E-05	8.32598E-05	0.000126336	9.47047E-05	9.95893E-05	4.51644E-05	8.32598E-05	0.000131167
3238	9.37475E-05	9.86886E-05	3.40563E-05	7.59093E-05	0.000114993	8.84376E-05	9.30988E-05	4.11629E-05	7.59093E-05	0.000120208
3239	8.14614E-05	8.58205E-05	2.8801E-05	6.63994E-05	0.000110396	7.71514E-05	8.12253E-05	3.58331E-05	6.63994E-05	0.000115294
3240	7.04003E-05	7.43115E-05	2.31513E-05	5.82197E-05	0.000107846	6.72905E-05	7.09004E-05	3.06784E-05	5.82197E-05	0.000112575
3241	6.07733E-05	6.43036E-05	1.81257E-05	5.1621E-05	0.000108027	5.89477E-05	6.21445E-05	2.65252E-05	5.1621E-05	0.000112778
3242	5.69076E-05	6.03011E-05	1.59122E-05	4.89764E-05	0.000112222	5.56288E-05	5.86762E-05	2.47215E-05	4.89764E-05	0.0001173
3243	5.7894E-05	6.13812E-05	1.57678E-05	5.08014E-05	0.000120763	5.70746E-05	6.01797E-05	2.55816E-05	5.08014E-05	0.000126465
3244	6.1326E-05	6.50208E-05	1.66911E-05	5.50896E-05	0.000132898	6.10086E-05	6.42663E-05	2.79681E-05	5.50896E-05	0.000139467
3245	6.62574E-05	7.02092E-05	1.85183E-05	6.01258E-05	0.000146513	6.61039E-05	6.95781E-05	3.08674E-05	6.01258E-05	0.000154038
3246	7.12448E-05	7.54441E-05	2.05157E-05	6.39213E-05	0.000158352	7.06776E-05	7.44041E-05	3.28824E-05	6.39213E-05	0.000166829
3247	7.3291E-05	7.75147E-05	2.22668E-05	6.44504E-05	0.00021119	7.19771E-05	7.58119E-05	3.30842E-05	6.44504E-05	0.000215438
3248	6.95355E-05	7.34188E-05	2.26233E-05	6.31044E-05	0.000215329	6.89157E-05	7.25171E-05	3.23901E-05	6.31044E-05	0.000219972
3249	6.99073E-05	7.37805E-05	2.31176E-05	6.32969E-05	0.000218597	6.91668E-05	7.27607E-05	3.27163E-05	6.32969E-05	0.000223443
3250	7.06848E-05	7.45684E-05	2.3769E-05	6.36835E-05	0.000219385	6.97414E-05	7.33529E-05	3.31121E-05	6.36835E-05	0.000224266
3251	7.11083E-05	7.50043E-05	2.40429E-05	6.30616E-05	0.00021952	6.97088E-05	7.33664E-05	3.26127E-05	6.30616E-05	0.000224394
3252	7.05303E-05	7.44104E-05	2.36572E-05	6.28407E-05	0.00021353	6.92957E-05	7.29294E-05	3.24415E-05	6.28407E-05	0.000219287
3253	7.15629E-05	7.55045E-05	2.3946E-05	6.41921E-05	0.00021043	7.05039E-05	7.41804E-05	3.32157E-05	6.41921E-05	0.000215963
3254	7.37933E-05	7.79039E-05	2.41344E-05	6.69209E-05	0.000200833	7.30965E-05	7.69093E-05	3.44261E-05	6.69209E-05	0.000205679
3255	7.99711E-05	8.44788E-05	2.55159E-05	7.3098E-05	0.000194611	7.95574E-05	8.37235E-05	3.7304E-05	7.3098E-05	0.000197695
3256	8.52208E-05	9.0039E-05	2.70146E-05	7.77702E-05	0.000182778	8.47518E-05	8.92109E-05	3.95268E-05	7.77702E-05	0.00018504
3257	8.76395E-05	9.25806E-05	2.79484E-05	7.97343E-05	0.000174068	8.70281E-05	9.16081E-05	4.05764E-05	7.97343E-05	0.000175741
3258	9.3334E-05	9.84681E-05	3.13112E-05	8.34352E-05	0.000169286	9.18183E-05	9.66166E-05	4.31528E-05	8.34352E-05	0.000170654
3259	0.00010076	0.000106078	3.65157E-05	8.72115E-05	0.000153908	9.7493E-05	0.000102543	4.62707E-05	8.72115E-05	0.000156852

3260	0.000102231	0.000107498	3.85964E-05	8.69057E-05	0.000138925	9.80089E-05	0.000103057	4.68086E-05	8.69057E-05	0.000143322
3261	9.93548E-05	0.000104458	3.77058E-05	8.32598E-05	0.000126336	9.47047E-05	9.95893E-05	4.51644E-05	8.32598E-05	0.000131167
3262	9.37475E-05	9.86886E-05	3.40563E-05	7.59093E-05	0.000114993	8.84376E-05	9.30988E-05	4.11629E-05	7.59093E-05	0.000120208
3263	8.14614E-05	8.58205E-05	2.8801E-05	6.63994E-05	0.000110396	7.71514E-05	8.12253E-05	3.58331E-05	6.63994E-05	0.000115294
3264	7.04003E-05	7.43115E-05	2.31513E-05	5.82197E-05	0.000107846	6.72905E-05	7.09004E-05	3.06784E-05	5.82197E-05	0.000112575
3265	6.03725E-05	6.38782E-05	1.80223E-05	5.12097E-05	0.000109017	5.85261E-05	6.17015E-05	2.63204E-05	5.12097E-05	0.000113847
3266	5.71475E-05	6.0557E-05	1.59595E-05	4.91684E-05	0.000111521	5.58601E-05	5.89234E-05	2.47909E-05	4.91684E-05	0.000116547
3267	5.78142E-05	6.12969E-05	1.57415E-05	5.06984E-05	0.000119927	5.69824E-05	6.00845E-05	2.55201E-05	5.06984E-05	0.000125568
3268	6.10192E-05	6.46953E-05	1.66095E-05	5.47659E-05	0.000131905	6.06823E-05	6.39242E-05	2.78025E-05	5.47659E-05	0.000138401
3269	6.60595E-05	7.00004E-05	1.84514E-05	5.98639E-05	0.000145071	6.58728E-05	6.93399E-05	3.07085E-05	5.98639E-05	0.000152492
3270	7.09349E-05	7.51164E-05	2.04214E-05	6.355E-05	0.000156375	7.03308E-05	7.40439E-05	3.26716E-05	6.355E-05	0.000164713
3271	7.15536E-05	7.56445E-05	2.21334E-05	6.40181E-05	0.000208584	7.06858E-05	7.44138E-05	3.28764E-05	6.40181E-05	0.000212649
3272	6.92956E-05	7.31633E-05	2.2572E-05	6.28975E-05	0.000212449	6.86787E-05	7.22649E-05	3.2306E-05	6.28975E-05	0.00021689
3273	6.9744E-05	7.36058E-05	2.3092E-05	6.31906E-05	0.000215722	6.90188E-05	7.26004E-05	3.2693E-05	6.31906E-05	0.000220366
3274	7.06293E-05	7.45099E-05	2.37504E-05	6.36106E-05	0.000216545	6.96768E-05	7.32863E-05	3.30681E-05	6.36106E-05	0.000221229
3275	7.11539E-05	7.50525E-05	2.40569E-05	6.31166E-05	0.000216764	6.976E-05	7.34195E-05	3.2644E-05	6.31166E-05	0.000221449
3276	7.0775E-05	7.46703E-05	2.37177E-05	6.30823E-05	0.000210885	6.95493E-05	7.31967E-05	3.25573E-05	6.30823E-05	0.000216462
3277	7.20184E-05	7.59887E-05	2.40553E-05	6.46293E-05	0.000208083	7.09713E-05	7.46739E-05	3.34189E-05	6.46293E-05	0.000213455
3278	7.40048E-05	7.813E-05	2.41706E-05	6.70695E-05	0.000198835	7.32924E-05	7.71205E-05	3.44669E-05	6.70695E-05	0.000203549
3279	7.96517E-05	8.41406E-05	2.54247E-05	7.27373E-05	0.000192814	7.92085E-05	8.33595E-05	3.71083E-05	7.27373E-05	0.000195781
3280	8.40195E-05	8.87618E-05	2.673E-05	7.66314E-05	0.000180909	8.35246E-05	8.79141E-05	3.9005E-05	7.66314E-05	0.000183047
3281	8.63901E-05	9.12529E-05	2.76455E-05	7.85245E-05	0.000172346	8.57418E-05	9.0251E-05	4.00087E-05	7.85245E-05	0.000173905
3282	9.21266E-05	9.71848E-05	3.10216E-05	8.22773E-05	0.00016771	9.05797E-05	9.53089E-05	4.26153E-05	8.22773E-05	0.000168972
3283	9.96515E-05	0.000104899	3.6254E-05	8.61642E-05	0.000152113	9.63619E-05	0.000101348	4.57926E-05	8.61642E-05	0.000154934
3284	0.000101171	0.000106372	3.83431E-05	8.58928E-05	0.000137233	9.69231E-05	0.00010191	4.63403E-05	8.58928E-05	0.000141515
3285	9.98858E-05	0.000105047	3.75384E-05	8.24929E-05	0.000124682	9.4742E-05	9.96667E-05	4.47935E-05	8.24929E-05	0.000129403
3286	9.30172E-05	9.79124E-05	3.38812E-05	7.52093E-05	0.000113439	8.76885E-05	9.23079E-05	4.08381E-05	7.52093E-05	0.000118551
3287	8.10083E-05	8.53392E-05	2.86887E-05	6.59516E-05	0.00010898	7.66814E-05	8.07301E-05	3.56184E-05	6.59516E-05	0.000113786
3288	7.00226E-05	7.39102E-05	2.30581E-05	5.78479E-05	0.000106591	6.68993E-05	7.04881E-05	3.05008E-05	5.78479E-05	0.000111238
3289	6.03725E-05	6.38782E-05	1.80223E-05	5.12097E-05	0.000109017	5.85261E-05	6.17015E-05	2.63204E-05	5.12097E-05	0.000113847
3290	5.71475E-05	6.0557E-05	1.59595E-05	4.91684E-05	0.000111521	5.58601E-05	5.89234E-05	2.47909E-05	4.91684E-05	0.000116547
3291	5.78142E-05	6.12969E-05	1.57415E-05	5.06984E-05	0.000119927	5.69824E-05	6.00845E-05	2.55201E-05	5.06984E-05	0.000125568
3292	6.10192E-05	6.46953E-05	1.66095E-05	5.47659E-05	0.000131905	6.06823E-05	6.39242E-05	2.78025E-05	5.47659E-05	0.000138401
3293	6.60595E-05	7.00004E-05	1.84514E-05	5.98639E-05	0.000145071	6.58728E-05	6.93399E-05	3.07085E-05	5.98639E-05	0.000152492
3294	7.09349E-05	7.51164E-05	2.04214E-05	6.355E-05	0.000156375	7.03308E-05	7.40439E-05	3.26716E-05	6.355E-05	0.000164713
3295	7.15536E-05	7.56445E-05	2.21334E-05	6.40181E-05	0.000208584	7.06858E-05	7.44138E-05	3.28764E-05	6.40181E-05	0.000212649
3296	6.92956E-05	7.31633E-05	2.2572E-05	6.28975E-05	0.000212449	6.86787E-05	7.22649E-05	3.2306E-05	6.28975E-05	0.00021689
3297	6.9744E-05	7.36058E-05	2.3092E-05	6.31906E-05	0.000215722	6.90188E-05	7.26004E-05	3.2693E-05	6.31906E-05	0.000220366
3298	7.06293E-05	7.45099E-05	2.37504E-05	6.36106E-05	0.000216545	6.96768E-05	7.32863E-05	3.30681E-05	6.36106E-05	0.000221229
3299	7.11539E-05	7.50525E-05	2.40569E-05	6.31166E-05	0.000216764	6.976E-05	7.34195E-05	3.2644E-05	6.31166E-05	0.000221449
3300	7.0775E-05	7.46703E-05	2.37177E-05	6.30823E-05	0.000210885	6.95493E-05	7.31967E-05	3.25573E-05	6.30823E-05	0.000216462
3301	7.20184E-05	7.59887E-05	2.40553E-05	6.46293E-05	0.000208083	7.09713E-05	7.46739E-05	3.34189E-05	6.46293E-05	0.000213455
3302	7.40048E-05	7.813E-05	2.41706E-05	6.70695E-05	0.000198835	7.32924E-05	7.71205E-05	3.44669E-05	6.70695E-05	0.000203549
3303	7.96517E-05	8.41406E-05	2.54247E-05	7.27373E-05	0.000192814	7.92085E-05	8.33595E-05	3.71083E-05	7.27373E-05	0.000195781
3304	8.40195E-05	8.87618E-05	2.673E-05	7.66314E-05	0.000180909	8.35246E-05	8.79141E-05	3.9005E-05	7.66314E-05	0.000183047
3305	8.63901E-05	9.12529E-05	2.76455E-05	7.85245E-05	0.000172346	8.57418E-05	9.0251E-05	4.00087E-05	7.85245E-05	0.000173905
3306	9.21266E-05	9.71848E-05	3.10216E-05	8.22773E-05	0.00016771	9.05797E-05	9.53089E-05	4.26153E-05	8.22773E-05	0.000168972
3307	9.96515E-05	0.000104899	3.6254E-05	8.61642E-05	0.000152113	9.63619E-05	0.000101348	4.57926E-05	8.61642E-05	0.000154934
3308	0.000101171	0.000106372	3.83431E-05	8.58928E-05	0.000137233	9.69231E-05	0.00010191	4.63403E-05	8.58928E-05	0.000141515
3309	9.98858E-05	0.000105047	3.75384E-05	8.24929E-05	0.000124682	9.4742E-05	9.96667E-05	4.47935E-05	8.24929E-05	0.000129403
3310	9.30172E-05	9.79124E-05	3.38812E-05	7.52093E-05	0.000113439	8.76885E-05	9.23079E-05	4.08381E-05	7.52093E-05	0.000118551
3311	8.10083E-05	8.53392E-05	2.86887E-05	6.59516E-05	0.00010898	7.66814E-05	8.07301E-05	3.56184E-05	6.59516E-05	0.000113786
3312	7.00226E-05	7.39102E-05	2.30581E-05	5.78479E-05	0.000106591	6.68993E-05	7.04881E-05	3.05008E-05	5.78479E-05	0.000111238
3313	6.03725E-05	6.38782E-05	1.80223E-05	5.12097E-05	0.000109017	5.85261E-05	6.17015E-05	2.63204E-05	5.12097E-05	0.000113847
3314	5.71475E-05	6.0557E-05	1.59595E-05	4.91684E-05	0.000111521	5.58601E-05	5.89234E-05	2.47909E-05	4.91684E-05	0.000116547
3315	5.78142E-05	6.12969E-05	1.57415E-05	5.06984E-05	0.000119927	5.69824E-05	6.00845E-05	2.55201E-05	5.06984E-05	0.000125568
3316	6.10192E-05	6.46953E-05	1.66095E-05	5.47659E-05	0.000131905	6.06823E-05	6.39242E-05	2.78025E-05	5.47659E-05	0.000138401
3317	6.60595E-05	7.00004E-05	1.84514E-05	5.98639E-05	0.000145071	6.58728E-05	6.93399E-05	3.07085E-05	5.98639E-05	0.000152492
3318	7.09349E-05	7.51164E-05	2.04214E-05	6.355E-05	0.000156375	7.03308E-05	7.40439E-05	3.26716E-05	6.355E-05	0.000164713
3319	7.15536E-05	7.56445E-05	2.21334E-05	6.40181E-05	0.000208584	7.06858E-05	7.44138E-05	3.28764E-05	6.40181E-05	0.000212649
3320	6.92956E-05	7.31633E-05	2.2572E-05	6.28975E-05	0.000212449	6.86787E-05	7.22649E-05	3.2306E-05	6.28975E-05	0.00021689
3321	6.9744E-05	7.36058E-05	2.3092E-05	6.31906E-05	0.000215722	6.90188E-05	7.26004E-05	3.2693E-05	6.31906E-05	0.000220366
3322	7.06293E-05	7.45099E-05	2.37504E-05	6.36106E-05	0.000216545	6.96768E-05	7.32863E-05	3.30681E-05	6.36106E-05	0.000221229
3323	7.11539E-05	7.50525E-05	2.40569E-05	6.31166E-05	0.000216764	6.976E-05	7.34195E-05	3.2644E-05	6.31166E-05	0.000221449
3324	7.0775E-05	7.46703E-05	2.37177E-05	6.30823E-05	0.000210885	6.95493E-05	7.31967E-05	3.25573E-05	6.30823E-05	0.000216462
3325	7.20184E-05	7.59887E-05	2.40553E-05	6.46293E-05	0.000208083	7.09713E-05	7.46739E-05	3.34189E-05	6.46293E-05	0.000213455
3326	7.40048E-05	7.813E-05	2.41706E-05	6.70695E-05	0.000198835	7.32924E-05	7.71205E-05	3.44669E-05	6.70695E-05	0.000203549
3327	7.96517E-05	8.41406E-05	2.54247E-05	7.27373E-05	0.000192814	7.92085E-05	8.33595E-05	3.71083E-05	7.27373E-05	0.000195781
3328	8.40195E-05	8.87618E-05	2.673E-05	7.66314E-05	0.000180909	8.35246E-05	8.79141E-05	3.9005E-05	7.66314E-05	0.000183047
3329	8.63901E-05	9.12529E-05	2.76455E-05	7.85245E-05	0.000172346	8.57418E-05	9.0251E-05	4.00087E-05	7.85245E-05	0.000173905
3330	9.21266E-05	9.71848E-05	3.10216E-05	8.22773E-05	0.00016771	9.05797E-05	9.53089E-05	4.26153E-05	8.22773E-05	0.000168972
3331	9.96515E-05	0.000104899	3.6254E-05	8.61642E-05	0.000152113	9.63619E-05	0.000101348	4.57926E-05	8.61642E-05	0.000154934
3332	0.000101171	0.000106372	3.83431E-05	8.58928E-05	0.000137233	9.69231E-05	0.00010191	4.63403E-05	8.58928E-05	0.000141515
3333	9.98858E-05	0.000105047	3.75384E-05	8.24929E-05	0.000124682	9.4742E-05	9.96667E-05	4.47935E-05	8.24929E-05	0.000129403
3334	9.30172E-05	9.79124E-05	3.38812E-05	7.52093E-05	0.000113439	8.76885E-05	9.23079E-05	4.08381E-05	7.52093E-05	0.000118551
3335	8.10083E-05	8.53392E-05	2.86887E-05	6.59516E-05	0.00010898	7.66814E-05	8.07301E-05	3.56184E-05	6.59516E-05	0.000113786

3336	7.00226E-05	7.39102E-05	2.30581E-05	5.78479E-05	0.000106591	6.68993E-05	7.04881E-05	3.05008E-05	5.78479E-05	0.000111238
3337	6.03725E-05	6.38782E-05	1.80223E-05	5.12097E-05	0.000109017	5.85261E-05	6.17015E-05	2.63204E-05	5.12097E-05	0.000113847
3338	5.71475E-05	6.0557E-05	1.59595E-05	4.91684E-05	0.000111521	5.58601E-05	5.89234E-05	2.47909E-05	4.91684E-05	0.000116547
3339	5.78142E-05	6.12969E-05	1.57415E-05	5.06984E-05	0.000119927	5.69824E-05	6.00845E-05	2.55201E-05	5.06984E-05	0.000125568
3340	6.10192E-05	6.46953E-05	1.66095E-05	5.47659E-05	0.000131905	6.06823E-05	6.39242E-05	2.78025E-05	5.47659E-05	0.000138401
3341	6.60595E-05	7.00004E-05	1.84514E-05	5.98639E-05	0.000145071	6.58728E-05	6.93399E-05	3.07085E-05	5.98639E-05	0.000152492
3342	7.09349E-05	7.51164E-05	2.04214E-05	6.355E-05	0.000156375	7.03308E-05	7.40439E-05	3.26716E-05	6.355E-05	0.000164713
3343	7.15536E-05	7.56445E-05	2.21334E-05	6.40181E-05	0.000208584	7.06858E-05	7.44138E-05	3.28764E-05	6.40181E-05	0.000212649
3344	6.92956E-05	7.31633E-05	2.2572E-05	6.28975E-05	0.000212449	6.86787E-05	7.22649E-05	3.2306E-05	6.28975E-05	0.00021689
3345	6.9744E-05	7.36058E-05	2.3092E-05	6.31906E-05	0.000215722	6.90188E-05	7.26004E-05	3.2693E-05	6.31906E-05	0.000220366
3346	7.06293E-05	7.45099E-05	2.37504E-05	6.36106E-05	0.000216545	6.96768E-05	7.32863E-05	3.30681E-05	6.36106E-05	0.000221229
3347	7.11539E-05	7.50525E-05	2.40569E-05	6.31166E-05	0.000216764	6.976E-05	7.34195E-05	3.2644E-05	6.31166E-05	0.000221449
3348	7.0775E-05	7.46703E-05	2.37177E-05	6.30823E-05	0.000210885	6.95493E-05	7.31967E-05	3.25573E-05	6.30823E-05	0.000216462
3349	7.20184E-05	7.59887E-05	2.40553E-05	6.46293E-05	0.000208083	7.09713E-05	7.46739E-05	3.34189E-05	6.46293E-05	0.000213455
3350	7.40048E-05	7.813E-05	2.41706E-05	6.70695E-05	0.000198835	7.32924E-05	7.71205E-05	3.44669E-05	6.70695E-05	0.000203549
3351	7.96517E-05	8.41406E-05	2.54247E-05	7.27373E-05	0.000192814	7.92085E-05	8.33595E-05	3.71083E-05	7.27373E-05	0.000195781
3352	8.40195E-05	8.87618E-05	2.673E-05	7.66314E-05	0.000180909	8.35246E-05	8.79141E-05	3.9005E-05	7.66314E-05	0.000183047
3353	8.63901E-05	9.12529E-05	2.76455E-05	7.85245E-05	0.000172346	8.57418E-05	9.0251E-05	4.00087E-05	7.85245E-05	0.000173905
3354	9.21266E-05	9.71848E-05	3.10216E-05	8.22773E-05	0.00016771	9.05797E-05	9.53089E-05	4.26153E-05	8.22773E-05	0.000168972
3355	9.96515E-05	0.000104899	3.6254E-05	8.61642E-05	0.000152113	9.63619E-05	0.000101348	4.57926E-05	8.61642E-05	0.000154934
3356	0.000101171	0.000106372	3.83431E-05	8.58928E-05	0.000137233	9.69231E-05	0.00010191	4.63403E-05	8.58928E-05	0.000141515
3357	9.98858E-05	0.000105047	3.75384E-05	8.24929E-05	0.000124682	9.4742E-05	9.96667E-05	4.47935E-05	8.24929E-05	0.000129403
3358	9.30172E-05	9.79124E-05	3.38812E-05	7.52093E-05	0.000113439	8.76885E-05	9.23079E-05	4.08381E-05	7.52093E-05	0.000118551
3359	8.10083E-05	8.53392E-05	2.86887E-05	6.59516E-05	0.00010898	7.66814E-05	8.07301E-05	3.56184E-05	6.59516E-05	0.000113786
3360	7.00226E-05	7.39102E-05	2.30581E-05	5.78479E-05	0.000106591	6.68993E-05	7.04881E-05	3.05008E-05	5.78479E-05	0.000111238
3361	6.03725E-05	6.38782E-05	1.80223E-05	5.12097E-05	0.000109017	5.85261E-05	6.17015E-05	2.63204E-05	5.12097E-05	0.000113847
3362	5.71475E-05	6.0557E-05	1.59595E-05	4.91684E-05	0.000111521	5.58601E-05	5.89234E-05	2.47909E-05	4.91684E-05	0.000116547
3363	5.78142E-05	6.12969E-05	1.57415E-05	5.06984E-05	0.000119927	5.69824E-05	6.00845E-05	2.55201E-05	5.06984E-05	0.000125568
3364	6.10192E-05	6.46953E-05	1.66095E-05	5.47659E-05	0.000131905	6.06823E-05	6.39242E-05	2.78025E-05	5.47659E-05	0.000138401
3365	6.60595E-05	7.00004E-05	1.84514E-05	5.98639E-05	0.000145071	6.58728E-05	6.93399E-05	3.07085E-05	5.98639E-05	0.000152492
3366	7.09349E-05	7.51164E-05	2.04214E-05	6.355E-05	0.000156375	7.03308E-05	7.40439E-05	3.26716E-05	6.355E-05	0.000164713
3367	7.15536E-05	7.56445E-05	2.21334E-05	6.40181E-05	0.000208584	7.06858E-05	7.44138E-05	3.28764E-05	6.40181E-05	0.000212649
3368	6.92956E-05	7.31633E-05	2.2572E-05	6.28975E-05	0.000212449	6.86787E-05	7.22649E-05	3.2306E-05	6.28975E-05	0.00021689
3369	6.9744E-05	7.36058E-05	2.3092E-05	6.31906E-05	0.000215722	6.90188E-05	7.26004E-05	3.2693E-05	6.31906E-05	0.000220366
3370	7.06293E-05	7.45099E-05	2.37504E-05	6.36106E-05	0.000216545	6.96768E-05	7.32863E-05	3.30681E-05	6.36106E-05	0.000221229
3371	7.11539E-05	7.50525E-05	2.40569E-05	6.31166E-05	0.000216764	6.976E-05	7.34195E-05	3.2644E-05	6.31166E-05	0.000221449
3372	7.0775E-05	7.46703E-05	2.37177E-05	6.30823E-05	0.000210885	6.95493E-05	7.31967E-05	3.25573E-05	6.30823E-05	0.000216462
3373	7.20184E-05	7.59887E-05	2.40553E-05	6.46293E-05	0.000208083	7.09713E-05	7.46739E-05	3.34189E-05	6.46293E-05	0.000213455
3374	7.40048E-05	7.813E-05	2.41706E-05	6.70695E-05	0.000198835	7.32924E-05	7.71205E-05	3.44669E-05	6.70695E-05	0.000203549
3375	7.96517E-05	8.41406E-05	2.54247E-05	7.27373E-05	0.000192814	7.92085E-05	8.33595E-05	3.71083E-05	7.27373E-05	0.000195781
3376	8.40195E-05	8.87618E-05	2.673E-05	7.66314E-05	0.000180909	8.35246E-05	8.79141E-05	3.9005E-05	7.66314E-05	0.000183047
3377	8.63901E-05	9.12529E-05	2.76455E-05	7.85245E-05	0.000172346	8.57418E-05	9.0251E-05	4.00087E-05	7.85245E-05	0.000173905
3378	9.21266E-05	9.71848E-05	3.10216E-05	8.22773E-05	0.00016771	9.05797E-05	9.53089E-05	4.26153E-05	8.22773E-05	0.000168972
3379	9.96515E-05	0.000104899	3.6254E-05	8.61642E-05	0.000152113	9.63619E-05	0.000101348	4.57926E-05	8.61642E-05	0.000154934
3380	0.000101171	0.000106372	3.83431E-05	8.58928E-05	0.000137233	9.69231E-05	0.00010191	4.63403E-05	8.58928E-05	0.000141515
3381	9.98858E-05	0.000105047	3.75384E-05	8.24929E-05	0.000124682	9.4742E-05	9.96667E-05	4.47935E-05	8.24929E-05	0.000129403
3382	9.30172E-05	9.79124E-05	3.38812E-05	7.52093E-05	0.000113439	8.76885E-05	9.23079E-05	4.08381E-05	7.52093E-05	0.000118551
3383	8.10083E-05	8.53392E-05	2.86887E-05	6.59516E-05	0.00010898	7.66814E-05	8.07301E-05	3.56184E-05	6.59516E-05	0.000113786
3384	7.00226E-05	7.39102E-05	2.30581E-05	5.78479E-05	0.000106591	6.68993E-05	7.04881E-05	3.05008E-05	5.78479E-05	0.000111238
3385	6.07733E-05	6.43036E-05	1.81257E-05	5.1621E-05	0.000108027	5.89477E-05	6.21445E-05	2.65252E-05	5.1621E-05	0.000112778
3386	5.69076E-05	6.03011E-05	1.59122E-05	4.89764E-05	0.000112222	5.56288E-05	5.86762E-05	2.47215E-05	4.89764E-05	0.0001173
3387	5.7894E-05	6.13812E-05	1.57678E-05	5.08014E-05	0.000120763	5.70746E-05	6.01797E-05	2.55816E-05	5.08014E-05	0.000126465
3388	6.1326E-05	6.50208E-05	1.66911E-05	5.50896E-05	0.000132898	6.10086E-05	6.42663E-05	2.79681E-05	5.50896E-05	0.000139467
3389	6.62574E-05	7.02092E-05	1.85183E-05	6.01258E-05	0.000146513	6.61039E-05	6.95781E-05	3.08674E-05	6.01258E-05	0.000154038
3390	7.12448E-05	7.54441E-05	2.05157E-05	6.39213E-05	0.000158352	7.06776E-05	7.44041E-05	3.28824E-05	6.39213E-05	0.000166829
3391	7.3291E-05	7.75147E-05	2.22668E-05	6.44504E-05	0.00021119	7.19771E-05	7.58119E-05	3.30842E-05	6.44504E-05	0.000215438
3392	6.95355E-05	7.34188E-05	2.26233E-05	6.31044E-05	0.000215329	6.89157E-05	7.25171E-05	3.23901E-05	6.31044E-05	0.000219972
3393	6.99073E-05	7.37805E-05	2.31176E-05	6.32969E-05	0.000218597	6.91668E-05	7.27607E-05	3.27163E-05	6.32969E-05	0.000223443
3394	7.06848E-05	7.45684E-05	2.3769E-05	6.36835E-05	0.000219385	6.97414E-05	7.33529E-05	3.31121E-05	6.36835E-05	0.000224266
3395	7.11083E-05	7.50043E-05	2.40429E-05	6.30616E-05	0.00021952	6.97088E-05	7.33664E-05	3.26127E-05	6.30616E-05	0.000224394
3396	7.05303E-05	7.44104E-05	2.36572E-05	6.28407E-05	0.00021353	6.92957E-05	7.29294E-05	3.24415E-05	6.28407E-05	0.000219287
3397	7.15629E-05	7.55045E-05	2.3946E-05	6.41921E-05	0.00021043	7.05039E-05	7.41804E-05	3.32157E-05	6.41921E-05	0.000215963
3398	7.37933E-05	7.79039E-05	2.41344E-05	6.69209E-05	0.000200833	7.30965E-05	7.69093E-05	3.44261E-05	6.69209E-05	0.000205679
3399	7.99711E-05	8.44788E-05	2.55159E-05	7.3098E-05	0.000194611	7.95574E-05	8.37235E-05	3.7304E-05	7.3098E-05	0.000197695
3400	8.52208E-05	9.0039E-05	2.70146E-05	7.77702E-05	0.000182778	8.47518E-05	8.92109E-05	3.95268E-05	7.77702E-05	0.00018504
3401	8.76395E-05	9.25806E-05	2.79484E-05	7.97343E-05	0.000174068	8.70281E-05	9.16081E-05	4.05764E-05	7.97343E-05	0.000175741
3402	9.3334E-05	9.84681E-05	3.13112E-05	8.34352E-05	0.000169286	9.18183E-05	9.66166E-05	4.31528E-05	8.34352E-05	0.000170654
3403	0.00010076	0.000106078	3.65157E-05	8.72115E-05	0.000153908	9.7493E-05	0.000102543	4.62707E-05	8.72115E-05	0.000156852
3404	0.000102231	0.000107498	3.85964E-05	8.69057E-05	0.000138925	9.80089E-05	0.000103057	4.68086E-05	8.69057E-05	0.000143322
3405	9.93548E-05	0.000104458	3.77058E-05	8.32598E-05	0.000126336	9.47047E-05	9.95893E-05	4.51644E-05	8.32598E-05	0.000131167
3406	9.37475E-05	9.86886E-05	3.40563E-05	7.59093E-05	0.000114993	8.84376E-05	9.30988E-05	4.11629E-05	7.59093E-05	0.000120208
3407	8.14614E-05	8.58205E-05	2.8801E-05	6.63994E-05	0.000110396	7.71514E-05	8.12253E-05	3.58331E-05	6.63994E-05	0.000115294
3408	7.04003E-05	7.43115E-05	2.31513E-05	5.82197E-05	0.000107846	6.72905E-05	7.09004E-05	3.06784E-05	5.82197E-05	0.000112575
3409	6.07733E-05	6.43036E-05	1.81257E-05	5.1621E-05	0.000108027	5.89477E-05	6.21445E-05	2.65252E-05	5.1621E-05	0.000112778
3410	5.69076E-05	6.03011E-05	1.59122E-05	4.89764E-05	0.000112222	5.56288E-05	5.86762E-05	2.47215E-05	4.89764E-05	0.0001173
3411	5.7894E-05	6.13812E-05	1.57678E-05	5.08014E-05	0.000120763	5.70746E-05	6.01797E-05	2.55816E-05	5.08014E-05	0.000126465

3412	6.1326E-05	6.50208E-05	1.66911E-05	5.50896E-05	0.000132898	6.10086E-05	6.42663E-05	2.79681E-05	5.50896E-05	0.000139467
3413	6.62574E-05	7.02092E-05	1.85183E-05	6.01258E-05	0.000146513	6.61039E-05	6.95781E-05	3.08674E-05	6.01258E-05	0.000154038
3414	7.12448E-05	7.54441E-05	2.05157E-05	6.39213E-05	0.000158352	7.06776E-05	7.44041E-05	3.28824E-05	6.39213E-05	0.000166829
3415	7.3291E-05	7.75147E-05	2.22668E-05	6.44504E-05	0.00021119	7.19771E-05	7.58119E-05	3.30842E-05	6.44504E-05	0.000215438
3416	6.95355E-05	7.34188E-05	2.26233E-05	6.31044E-05	0.000215329	6.89157E-05	7.25171E-05	3.23901E-05	6.31044E-05	0.000219972
3417	6.99073E-05	7.37805E-05	2.31176E-05	6.32969E-05	0.000218597	6.91668E-05	7.27607E-05	3.27163E-05	6.32969E-05	0.000223443
3418	7.06848E-05	7.45684E-05	2.3769E-05	6.36835E-05	0.000219385	6.97414E-05	7.33529E-05	3.31121E-05	6.36835E-05	0.000224266
3419	7.11083E-05	7.50043E-05	2.40429E-05	6.30616E-05	0.00021952	6.97088E-05	7.33664E-05	3.26127E-05	6.30616E-05	0.000224394
3420	7.05303E-05	7.44104E-05	2.36572E-05	6.28407E-05	0.00021353	6.92957E-05	7.29294E-05	3.24415E-05	6.28407E-05	0.000219287
3421	7.15629E-05	7.55045E-05	2.3946E-05	6.41921E-05	0.00021043	7.05039E-05	7.41804E-05	3.32157E-05	6.41921E-05	0.000215963
3422	7.37933E-05	7.79039E-05	2.41344E-05	6.69209E-05	0.000200833	7.30965E-05	7.69093E-05	3.44261E-05	6.69209E-05	0.000205679
3423	7.99711E-05	8.44788E-05	2.55159E-05	7.3098E-05	0.000194611	7.95574E-05	8.37235E-05	3.7304E-05	7.3098E-05	0.000197695
3424	8.52208E-05	9.0039E-05	2.70146E-05	7.77702E-05	0.000182778	8.47518E-05	8.92109E-05	3.95268E-05	7.77702E-05	0.00018504
3425	8.76395E-05	9.25806E-05	2.79484E-05	7.97343E-05	0.000174068	8.70281E-05	9.16081E-05	4.05764E-05	7.97343E-05	0.000175741
3426	9.3334E-05	9.84681E-05	3.13112E-05	8.34352E-05	0.000169286	9.18183E-05	9.66166E-05	4.31528E-05	8.34352E-05	0.000170654
3427	0.00010076	0.000106078	3.65157E-05	8.72115E-05	0.000153908	9.7493E-05	0.000102543	4.62707E-05	8.72115E-05	0.000156852
3428	0.000102231	0.000107498	3.85964E-05	8.69057E-05	0.000138925	9.80089E-05	0.000103057	4.68086E-05	8.69057E-05	0.000143322
3429	9.93548E-05	0.000104458	3.77058E-05	8.32598E-05	0.000126336	9.47047E-05	9.95893E-05	4.51644E-05	8.32598E-05	0.000131167
3430	9.37475E-05	9.86886E-05	3.40563E-05	7.59093E-05	0.000114993	8.84376E-05	9.30988E-05	4.11629E-05	7.59093E-05	0.000120208
3431	8.14614E-05	8.58205E-05	2.8801E-05	6.63994E-05	0.000110396	7.71514E-05	8.12253E-05	3.58331E-05	6.63994E-05	0.000115294
3432	7.04003E-05	7.43115E-05	2.31513E-05	5.82197E-05	0.000107846	6.72905E-05	7.09004E-05	3.06784E-05	5.82197E-05	0.000112575
3433	6.03725E-05	6.38782E-05	1.80223E-05	5.12097E-05	0.000109017	5.85261E-05	6.17015E-05	2.63204E-05	5.12097E-05	0.000113847
3434	5.71475E-05	6.0557E-05	1.59595E-05	4.91684E-05	0.000111521	5.58601E-05	5.89234E-05	2.47909E-05	4.91684E-05	0.000116547
3435	5.78142E-05	6.12969E-05	1.57415E-05	5.06984E-05	0.000119927	5.69824E-05	6.00845E-05	2.55201E-05	5.06984E-05	0.000125568
3436	6.10192E-05	6.46953E-05	1.66095E-05	5.47659E-05	0.000131905	6.06823E-05	6.39242E-05	2.78025E-05	5.47659E-05	0.000138401
3437	6.60595E-05	7.00004E-05	1.84514E-05	5.98639E-05	0.000145071	6.58728E-05	6.93399E-05	3.07085E-05	5.98639E-05	0.000152492
3438	7.09349E-05	7.51164E-05	2.04214E-05	6.355E-05	0.000156375	7.03308E-05	7.40439E-05	3.26716E-05	6.355E-05	0.000164713
3439	7.15536E-05	7.56445E-05	2.21334E-05	6.40181E-05	0.000208584	7.06858E-05	7.44138E-05	3.28764E-05	6.40181E-05	0.000212649
3440	6.92956E-05	7.31633E-05	2.2572E-05	6.28975E-05	0.000212449	6.86787E-05	7.22649E-05	3.2306E-05	6.28975E-05	0.00021689
3441	6.9744E-05	7.36058E-05	2.3092E-05	6.31906E-05	0.000215722	6.90188E-05	7.26004E-05	3.2693E-05	6.31906E-05	0.000220366
3442	7.06293E-05	7.45099E-05	2.37504E-05	6.36106E-05	0.000216545	6.96768E-05	7.32863E-05	3.30681E-05	6.36106E-05	0.000221229
3443	7.11539E-05	7.50525E-05	2.40569E-05	6.31166E-05	0.000216764	6.976E-05	7.34195E-05	3.2644E-05	6.31166E-05	0.000221449
3444	7.0775E-05	7.46703E-05	2.37177E-05	6.30823E-05	0.000210885	6.95493E-05	7.31967E-05	3.25573E-05	6.30823E-05	0.000216462
3445	7.20184E-05	7.59887E-05	2.40553E-05	6.46293E-05	0.000208083	7.09713E-05	7.46739E-05	3.34189E-05	6.46293E-05	0.000213455
3446	7.40048E-05	7.813E-05	2.41706E-05	6.70695E-05	0.000198835	7.32924E-05	7.71205E-05	3.44669E-05	6.70695E-05	0.000203549
3447	7.96517E-05	8.41406E-05	2.54247E-05	7.27373E-05	0.000192814	7.92085E-05	8.33595E-05	3.71083E-05	7.27373E-05	0.000195781
3448	8.40195E-05	8.87618E-05	2.673E-05	7.66314E-05	0.000180909	8.35246E-05	8.79141E-05	3.9005E-05	7.66314E-05	0.000183047
3449	8.63901E-05	9.12529E-05	2.76455E-05	7.85245E-05	0.000172346	8.57418E-05	9.0251E-05	4.00087E-05	7.85245E-05	0.000173905
3450	9.21266E-05	9.71848E-05	3.10216E-05	8.22773E-05	0.00016771	9.05797E-05	9.53089E-05	4.26153E-05	8.22773E-05	0.000168972
3451	9.96515E-05	0.000104899	3.6254E-05	8.61642E-05	0.000152113	9.63619E-05	0.000101348	4.57926E-05	8.61642E-05	0.000154934
3452	0.000101171	0.000106372	3.83431E-05	8.58928E-05	0.000137233	9.69231E-05	0.00010191	4.63403E-05	8.58928E-05	0.000141515
3453	9.98858E-05	0.000105047	3.75384E-05	8.24929E-05	0.000124682	9.4742E-05	9.96667E-05	4.47935E-05	8.24929E-05	0.000129403
3454	9.30172E-05	9.79124E-05	3.38812E-05	7.52093E-05	0.000113439	8.76885E-05	9.23079E-05	4.08381E-05	7.52093E-05	0.000118551
3455	8.10083E-05	8.53392E-05	2.86887E-05	6.59516E-05	0.00010898	7.66814E-05	8.07301E-05	3.56184E-05	6.59516E-05	0.000113786
3456	7.00226E-05	7.39102E-05	2.30581E-05	5.78479E-05	0.000106591	6.68993E-05	7.04881E-05	3.05008E-05	5.78479E-05	0.000111238
3457	6.03725E-05	6.38782E-05	1.80223E-05	5.12097E-05	0.000109017	5.85261E-05	6.17015E-05	2.63204E-05	5.12097E-05	0.000113847
3458	5.71475E-05	6.0557E-05	1.59595E-05	4.91684E-05	0.000111521	5.58601E-05	5.89234E-05	2.47909E-05	4.91684E-05	0.000116547
3459	5.78142E-05	6.12969E-05	1.57415E-05	5.06984E-05	0.000119927	5.69824E-05	6.00845E-05	2.55201E-05	5.06984E-05	0.000125568
3460	6.10192E-05	6.46953E-05	1.66095E-05	5.47659E-05	0.000131905	6.06823E-05	6.39242E-05	2.78025E-05	5.47659E-05	0.000138401
3461	6.60595E-05	7.00004E-05	1.84514E-05	5.98639E-05	0.000145071	6.58728E-05	6.93399E-05	3.07085E-05	5.98639E-05	0.000152492
3462	7.09349E-05	7.51164E-05	2.04214E-05	6.355E-05	0.000156375	7.03308E-05	7.40439E-05	3.26716E-05	6.355E-05	0.000164713
3463	7.15536E-05	7.56445E-05	2.21334E-05	6.40181E-05	0.000208584	7.06858E-05	7.44138E-05	3.28764E-05	6.40181E-05	0.000212649
3464	6.92956E-05	7.31633E-05	2.2572E-05	6.28975E-05	0.000212449	6.86787E-05	7.22649E-05	3.2306E-05	6.28975E-05	0.00021689
3465	6.9744E-05	7.36058E-05	2.3092E-05	6.31906E-05	0.000215722	6.90188E-05	7.26004E-05	3.2693E-05	6.31906E-05	0.000220366
3466	7.06293E-05	7.45099E-05	2.37504E-05	6.36106E-05	0.000216545	6.96768E-05	7.32863E-05	3.30681E-05	6.36106E-05	0.000221229
3467	7.11539E-05	7.50525E-05	2.40569E-05	6.31166E-05	0.000216764	6.976E-05	7.34195E-05	3.2644E-05	6.31166E-05	0.000221449
3468	7.0775E-05	7.46703E-05	2.37177E-05	6.30823E-05	0.000210885	6.95493E-05	7.31967E-05	3.25573E-05	6.30823E-05	0.000216462
3469	7.20184E-05	7.59887E-05	2.40553E-05	6.46293E-05	0.000208083	7.09713E-05	7.46739E-05	3.34189E-05	6.46293E-05	0.000213455
3470	7.40048E-05	7.813E-05	2.41706E-05	6.70695E-05	0.000198835	7.32924E-05	7.71205E-05	3.44669E-05	6.70695E-05	0.000203549
3471	7.96517E-05	8.41406E-05	2.54247E-05	7.27373E-05	0.000192814	7.92085E-05	8.33595E-05	3.71083E-05	7.27373E-05	0.000195781
3472	8.40195E-05	8.87618E-05	2.673E-05	7.66314E-05	0.000180909	8.35246E-05	8.79141E-05	3.9005E-05	7.66314E-05	0.000183047
3473	8.63901E-05	9.12529E-05	2.76455E-05	7.85245E-05	0.000172346	8.57418E-05	9.0251E-05	4.00087E-05	7.85245E-05	0.000173905
3474	9.21266E-05	9.71848E-05	3.10216E-05	8.22773E-05	0.00016771	9.05797E-05	9.53089E-05	4.26153E-05	8.22773E-05	0.000168972
3475	9.96515E-05	0.000104899	3.6254E-05	8.61642E-05	0.000152113	9.63619E-05	0.000101348	4.57926E-05	8.61642E-05	0.000154934
3476	0.000101171	0.000106372	3.83431E-05	8.58928E-05	0.000137233	9.69231E-05	0.00010191	4.63403E-05	8.58928E-05	0.000141515
3477	9.98858E-05	0.000105047	3.75384E-05	8.24929E-05	0.000124682	9.4742E-05	9.96667E-05	4.47935E-05	8.24929E-05	0.000129403
3478	9.30172E-05	9.79124E-05	3.38812E-05	7.52093E-05	0.000113439	8.76885E-05	9.23079E-05	4.08381E-05	7.52093E-05	0.000118551
3479	8.10083E-05	8.53392E-05	2.86887E-05	6.59516E-05	0.00010898	7.66814E-05	8.07301E-05	3.56184E-05	6.59516E-05	0.000113786
3480	7.00226E-05	7.39102E-05	2.30581E-05	5.78479E-05	0.000106591	6.68993E-05	7.04881E-05	3.05008E-05	5.78479E-05	0.000111238
3481	6.03725E-05	6.38782E-05	1.80223E-05	5.12097E-05	0.000109017	5.85261E-05	6.17015E-05	2.63204E-05	5.12097E-05	0.000113847
3482	5.71475E-05	6.0557E-05	1.59595E-05	4.91684E-05	0.000111521	5.58601E-05	5.89234E-05	2.47909E-05	4.91684E-05	0.000116547
3483	5.78142E-05	6.12969E-05	1.57415E-05	5.06984E-05	0.000119927	5.69824E-05	6.00845E-05	2.55201E-05	5.06984E-05	0.000125568
3484	6.10192E-05	6.46953E-05	1.66095E-05	5.47659E-05	0.000131905	6.06823E-05	6.39242E-05	2.78025E-05	5.47659E-05	0.000138401
3485	6.60595E-05	7.00004E-05	1.84514E-05	5.98639E-05	0.000145071	6.58728E-05	6.93399E-05	3.07085E-05	5.98639E-05	0.000152492
3486	7.09349E-05	7.51164E-05	2.04214E-05	6.355E-05	0.000156375	7.03308E-05	7.40439E-05	3.26716E-05	6.355E-05	0.000164713
3487	7.15536E-05	7.56445E-05	2.21334E-05	6.40181E-05	0.000208584	7.06858E-05	7.44138E-05	3.28764E-05	6.40181E-05	0.000212649

3488	6.92956E-05	7.31633E-05	2.2572E-05	6.28975E-05	0.000212449	6.86787E-05	7.22649E-05	3.2306E-05	6.28975E-05	0.00021689
3489	6.9744E-05	7.36058E-05	2.3092E-05	6.31906E-05	0.000215722	6.90188E-05	7.26004E-05	3.2693E-05	6.31906E-05	0.000220366
3490	7.06293E-05	7.45099E-05	2.37504E-05	6.36106E-05	0.000216545	6.96768E-05	7.32863E-05	3.30681E-05	6.36106E-05	0.000221229
3491	7.11539E-05	7.50525E-05	2.40569E-05	6.31166E-05	0.000216764	6.976E-05	7.34195E-05	3.2644E-05	6.31166E-05	0.000221449
3492	7.0775E-05	7.46703E-05	2.37177E-05	6.30823E-05	0.000210885	6.95493E-05	7.31967E-05	3.25573E-05	6.30823E-05	0.000216462
3493	7.20184E-05	7.59887E-05	2.40553E-05	6.46293E-05	0.000208083	7.09713E-05	7.46739E-05	3.34189E-05	6.46293E-05	0.000213455
3494	7.40048E-05	7.813E-05	2.41706E-05	6.70695E-05	0.000198835	7.32924E-05	7.71205E-05	3.44669E-05	6.70695E-05	0.000203549
3495	7.96517E-05	8.41406E-05	2.54247E-05	7.27373E-05	0.000192814	7.92085E-05	8.33595E-05	3.71083E-05	7.27373E-05	0.000195781
3496	8.40195E-05	8.87618E-05	2.673E-05	7.66314E-05	0.000180909	8.35246E-05	8.79141E-05	3.9005E-05	7.66314E-05	0.000183047
3497	8.63901E-05	9.12529E-05	2.76455E-05	7.85245E-05	0.000172346	8.57418E-05	9.0251E-05	4.00087E-05	7.85245E-05	0.000173905
3498	9.21266E-05	9.71848E-05	3.10216E-05	8.22773E-05	0.00016771	9.05797E-05	9.53089E-05	4.26153E-05	8.22773E-05	0.000168972
3499	9.96515E-05	0.000104899	3.6254E-05	8.61642E-05	0.000152113	9.63619E-05	0.000101348	4.57926E-05	8.61642E-05	0.000154934
3500	0.000101171	0.000106372	3.83431E-05	8.58928E-05	0.000137233	9.69231E-05	0.00010191	4.63403E-05	8.58928E-05	0.000141515
3501	9.98858E-05	0.000105047	3.75384E-05	8.24929E-05	0.000124682	9.4742E-05	9.96667E-05	4.47935E-05	8.24929E-05	0.000129403
3502	9.30172E-05	9.79124E-05	3.38812E-05	7.52093E-05	0.000113439	8.76885E-05	9.23079E-05	4.08381E-05	7.52093E-05	0.000118551
3503	8.10083E-05	8.53392E-05	2.86887E-05	6.59516E-05	0.00010898	7.66814E-05	8.07301E-05	3.56184E-05	6.59516E-05	0.000113786
3504	7.00226E-05	7.39102E-05	2.30581E-05	5.78479E-05	0.000106591	6.68993E-05	7.04881E-05	3.05008E-05	5.78479E-05	0.000111238
3505	6.03725E-05	6.38782E-05	1.80223E-05	5.12097E-05	0.000109017	5.85261E-05	6.17015E-05	2.63204E-05	5.12097E-05	0.000113847
3506	5.71475E-05	6.0557E-05	1.59595E-05	4.91684E-05	0.000111521	5.58601E-05	5.89234E-05	2.47909E-05	4.91684E-05	0.000116547
3507	5.78142E-05	6.12969E-05	1.57415E-05	5.06984E-05	0.000119927	5.69824E-05	6.00845E-05	2.55201E-05	5.06984E-05	0.000125568
3508	6.10192E-05	6.46953E-05	1.66095E-05	5.47659E-05	0.000131905	6.06823E-05	6.39242E-05	2.78025E-05	5.47659E-05	0.000138401
3509	6.60595E-05	7.00004E-05	1.84514E-05	5.98639E-05	0.000145071	6.58728E-05	6.93399E-05	3.07085E-05	5.98639E-05	0.000152492
3510	7.09349E-05	7.51164E-05	2.04214E-05	6.355E-05	0.000156375	7.03308E-05	7.40439E-05	3.26716E-05	6.355E-05	0.000164713
3511	7.15536E-05	7.56445E-05	2.21334E-05	6.40181E-05	0.000208584	7.06858E-05	7.44138E-05	3.28764E-05	6.40181E-05	0.000212649
3512	6.92956E-05	7.31633E-05	2.2572E-05	6.28975E-05	0.000212449	6.86787E-05	7.22649E-05	3.2306E-05	6.28975E-05	0.00021689
3513	6.9744E-05	7.36058E-05	2.3092E-05	6.31906E-05	0.000215722	6.90188E-05	7.26004E-05	3.2693E-05	6.31906E-05	0.000220366
3514	7.06293E-05	7.45099E-05	2.37504E-05	6.36106E-05	0.000216545	6.96768E-05	7.32863E-05	3.30681E-05	6.36106E-05	0.000221229
3515	7.11539E-05	7.50525E-05	2.40569E-05	6.31166E-05	0.000216764	6.976E-05	7.34195E-05	3.2644E-05	6.31166E-05	0.000221449
3516	7.0775E-05	7.46703E-05	2.37177E-05	6.30823E-05	0.000210885	6.95493E-05	7.31967E-05	3.25573E-05	6.30823E-05	0.000216462
3517	7.20184E-05	7.59887E-05	2.40553E-05	6.46293E-05	0.000208083	7.09713E-05	7.46739E-05	3.34189E-05	6.46293E-05	0.000213455
3518	7.40048E-05	7.813E-05	2.41706E-05	6.70695E-05	0.000198835	7.32924E-05	7.71205E-05	3.44669E-05	6.70695E-05	0.000203549
3519	7.96517E-05	8.41406E-05	2.54247E-05	7.27373E-05	0.000192814	7.92085E-05	8.33595E-05	3.71083E-05	7.27373E-05	0.000195781
3520	8.40195E-05	8.87618E-05	2.673E-05	7.66314E-05	0.000180909	8.35246E-05	8.79141E-05	3.9005E-05	7.66314E-05	0.000183047
3521	8.63901E-05	9.12529E-05	2.76455E-05	7.85245E-05	0.000172346	8.57418E-05	9.0251E-05	4.00087E-05	7.85245E-05	0.000173905
3522	9.21266E-05	9.71848E-05	3.10216E-05	8.22773E-05	0.00016771	9.05797E-05	9.53089E-05	4.26153E-05	8.22773E-05	0.000168972
3523	9.96515E-05	0.000104899	3.6254E-05	8.61642E-05	0.000152113	9.63619E-05	0.000101348	4.57926E-05	8.61642E-05	0.000154934
3524	0.000101171	0.000106372	3.83431E-05	8.58928E-05	0.000137233	9.69231E-05	0.00010191	4.63403E-05	8.58928E-05	0.000141515
3525	9.98858E-05	0.000105047	3.75384E-05	8.24929E-05	0.000124682	9.4742E-05	9.96667E-05	4.47935E-05	8.24929E-05	0.000129403
3526	9.30172E-05	9.79124E-05	3.38812E-05	7.52093E-05	0.000113439	8.76885E-05	9.23079E-05	4.08381E-05	7.52093E-05	0.000118551
3527	8.10083E-05	8.53392E-05	2.86887E-05	6.59516E-05	0.00010898	7.66814E-05	8.07301E-05	3.56184E-05	6.59516E-05	0.000113786
3528	7.00226E-05	7.39102E-05	2.30581E-05	5.78479E-05	0.000106591	6.68993E-05	7.04881E-05	3.05008E-05	5.78479E-05	0.000111238
3529	6.03725E-05	6.38782E-05	1.80223E-05	5.12097E-05	0.000109017	5.85261E-05	6.17015E-05	2.63204E-05	5.12097E-05	0.000113847
3530	5.71475E-05	6.0557E-05	1.59595E-05	4.91684E-05	0.000111521	5.58601E-05	5.89234E-05	2.47909E-05	4.91684E-05	0.000116547
3531	5.78142E-05	6.12969E-05	1.57415E-05	5.06984E-05	0.000119927	5.69824E-05	6.00845E-05	2.55201E-05	5.06984E-05	0.000125568
3532	6.10192E-05	6.46953E-05	1.66095E-05	5.47659E-05	0.000131905	6.06823E-05	6.39242E-05	2.78025E-05	5.47659E-05	0.000138401
3533	6.60595E-05	7.00004E-05	1.84514E-05	5.98639E-05	0.000145071	6.58728E-05	6.93399E-05	3.07085E-05	5.98639E-05	0.000152492
3534	7.09349E-05	7.51164E-05	2.04214E-05	6.355E-05	0.000156375	7.03308E-05	7.40439E-05	3.26716E-05	6.355E-05	0.000164713
3535	7.15536E-05	7.56445E-05	2.21334E-05	6.40181E-05	0.000208584	7.06858E-05	7.44138E-05	3.28764E-05	6.40181E-05	0.000212649
3536	6.92956E-05	7.31633E-05	2.2572E-05	6.28975E-05	0.000212449	6.86787E-05	7.22649E-05	3.2306E-05	6.28975E-05	0.00021689
3537	6.9744E-05	7.36058E-05	2.3092E-05	6.31906E-05	0.000215722	6.90188E-05	7.26004E-05	3.2693E-05	6.31906E-05	0.000220366
3538	7.06293E-05	7.45099E-05	2.37504E-05	6.36106E-05	0.000216545	6.96768E-05	7.32863E-05	3.30681E-05	6.36106E-05	0.000221229
3539	7.11539E-05	7.50525E-05	2.40569E-05	6.31166E-05	0.000216764	6.976E-05	7.34195E-05	3.2644E-05	6.31166E-05	0.000221449
3540	7.0775E-05	7.46703E-05	2.37177E-05	6.30823E-05	0.000210885	6.95493E-05	7.31967E-05	3.25573E-05	6.30823E-05	0.000216462
3541	7.20184E-05	7.59887E-05	2.40553E-05	6.46293E-05	0.000208083	7.09713E-05	7.46739E-05	3.34189E-05	6.46293E-05	0.000213455
3542	7.40048E-05	7.813E-05	2.41706E-05	6.70695E-05	0.000198835	7.32924E-05	7.71205E-05	3.44669E-05	6.70695E-05	0.000203549
3543	7.96517E-05	8.41406E-05	2.54247E-05	7.27373E-05	0.000192814	7.92085E-05	8.33595E-05	3.71083E-05	7.27373E-05	0.000195781
3544	8.40195E-05	8.87618E-05	2.673E-05	7.66314E-05	0.000180909	8.35246E-05	8.79141E-05	3.9005E-05	7.66314E-05	0.000183047
3545	8.63901E-05	9.12529E-05	2.76455E-05	7.85245E-05	0.000172346	8.57418E-05	9.0251E-05	4.00087E-05	7.85245E-05	0.000173905
3546	9.21266E-05	9.71848E-05	3.10216E-05	8.22773E-05	0.00016771	9.05797E-05	9.53089E-05	4.26153E-05	8.22773E-05	0.000168972
3547	9.96515E-05	0.000104899	3.6254E-05	8.61642E-05	0.000152113	9.63619E-05	0.000101348	4.57926E-05	8.61642E-05	0.000154934
3548	0.000101171	0.000106372	3.83431E-05	8.58928E-05	0.000137233	9.69231E-05	0.00010191	4.63403E-05	8.58928E-05	0.000141515
3549	9.98858E-05	0.000105047	3.75384E-05	8.24929E-05	0.000124682	9.4742E-05	9.96667E-05	4.47935E-05	8.24929E-05	0.000129403
3550	9.30172E-05	9.79124E-05	3.38812E-05	7.52093E-05	0.000113439	8.76885E-05	9.23079E-05	4.08381E-05	7.52093E-05	0.000118551
3551	8.10083E-05	8.53392E-05	2.86887E-05	6.59516E-05	0.00010898	7.66814E-05	8.07301E-05	3.56184E-05	6.59516E-05	0.000113786
3552	7.00226E-05	7.39102E-05	2.30581E-05	5.78479E-05	0.000106591	6.68993E-05	7.04881E-05	3.05008E-05	5.78479E-05	0.000111238
3553	6.07733E-05	6.43036E-05	1.81257E-05	5.1621E-05	0.000108027	5.89477E-05	6.21445E-05	2.65252E-05	5.1621E-05	0.000112778
3554	5.69076E-05	6.03011E-05	1.59122E-05	4.89764E-05	0.000112222	5.56288E-05	5.86762E-05	2.47215E-05	4.89764E-05	0.0001173
3555	5.7894E-05	6.13812E-05	1.57678E-05	5.08014E-05	0.000120763	5.70746E-05	6.01797E-05	2.55816E-05	5.08014E-05	0.000126465
3556	6.1326E-05	6.50208E-05	1.66911E-05	5.50896E-05	0.000132898	6.10086E-05	6.42663E-05	2.79681E-05	5.50896E-05	0.000139467
3557	6.62574E-05	7.02092E-05	1.85183E-05	6.01258E-05	0.000146513	6.61039E-05	6.95781E-05	3.08674E-05	6.01258E-05	0.000154038
3558	7.12448E-05	7.54441E-05	2.05157E-05	6.39213E-05	0.000158352	7.06776E-05	7.44041E-05	3.28824E-05	6.39213E-05	0.000166829
3559	7.3291E-05	7.75147E-05	2.22668E-05	6.44504E-05	0.00021119	7.19771E-05	7.58119E-05	3.30842E-05	6.44504E-05	0.000215438
3560	6.95355E-05	7.34188E-05	2.26233E-05	6.31044E-05	0.000215329	6.89157E-05	7.25171E-05	3.23901E-05	6.31044E-05	0.000219972
3561	6.99073E-05	7.37805E-05	2.31176E-05	6.32969E-05	0.000218597	6.91668E-05	7.27607E-05	3.27163E-05	6.32969E-05	0.000223443
3562	7.06848E-05	7.45684E-05	2.3769E-05	6.36835E-05	0.000219385	6.97414E-05	7.33529E-05	3.31121E-05	6.36835E-05	0.000224266
3563	7.11083E-05	7.50043E-05	2.40429E-05	6.30616E-05	0.00021952	6.97088E-05	7.33664E-05	3.26127E-05	6.30616E-05	0.000224394

3564	7.05303E-05	7.44104E-05	2.36572E-05	6.28407E-05	0.00021353	6.92957E-05	7.29294E-05	3.24415E-05	6.28407E-05	0.000219287
3565	7.15629E-05	7.55045E-05	2.3946E-05	6.41921E-05	0.00021043	7.05039E-05	7.41804E-05	3.32157E-05	6.41921E-05	0.000215963
3566	7.37933E-05	7.79039E-05	2.41344E-05	6.69209E-05	0.000200833	7.30965E-05	7.69093E-05	3.44261E-05	6.69209E-05	0.000205679
3567	7.99711E-05	8.44788E-05	2.55159E-05	7.3098E-05	0.000194611	7.95574E-05	8.37235E-05	3.7304E-05	7.3098E-05	0.000197695
3568	8.52208E-05	9.0039E-05	2.70146E-05	7.77702E-05	0.000182778	8.47518E-05	8.92109E-05	3.95268E-05	7.77702E-05	0.00018504
3569	8.76395E-05	9.25806E-05	2.79484E-05	7.97343E-05	0.000174068	8.70281E-05	9.16081E-05	4.05764E-05	7.97343E-05	0.000175741
3570	9.3334E-05	9.84681E-05	3.13112E-05	8.34352E-05	0.000169286	9.18183E-05	9.66166E-05	4.31528E-05	8.34352E-05	0.000170654
3571	0.00010076	0.000106078	3.65157E-05	8.72115E-05	0.000153908	9.7493E-05	0.000102543	4.62707E-05	8.72115E-05	0.000156852
3572	0.000102231	0.000107498	3.85964E-05	8.69057E-05	0.000138925	9.80089E-05	0.000103057	4.68086E-05	8.69057E-05	0.000143322
3573	9.93548E-05	0.000104458	3.77058E-05	8.32598E-05	0.000126336	9.47047E-05	9.95893E-05	4.51644E-05	8.32598E-05	0.000131167
3574	9.37475E-05	9.86886E-05	3.40563E-05	7.59093E-05	0.000114993	8.84376E-05	9.30988E-05	4.11629E-05	7.59093E-05	0.000120208
3575	8.14614E-05	8.58205E-05	2.8801E-05	6.63994E-05	0.000110396	7.71514E-05	8.12253E-05	3.58331E-05	6.63994E-05	0.000115294
3576	7.04003E-05	7.43115E-05	2.31513E-05	5.82197E-05	0.000107846	6.72905E-05	7.09004E-05	3.06784E-05	5.82197E-05	0.000112575
3577	6.07733E-05	6.43036E-05	1.81257E-05	5.1621E-05	0.000108027	5.89477E-05	6.21445E-05	2.65252E-05	5.1621E-05	0.000112778
3578	5.69076E-05	6.03011E-05	1.59122E-05	4.89764E-05	0.000112222	5.56288E-05	5.86762E-05	2.47215E-05	4.89764E-05	0.0001173
3579	5.7894E-05	6.13812E-05	1.57678E-05	5.08014E-05	0.000120763	5.70746E-05	6.01797E-05	2.55816E-05	5.08014E-05	0.000126465
3580	6.1326E-05	6.50208E-05	1.66911E-05	5.50896E-05	0.000132898	6.10086E-05	6.42663E-05	2.79681E-05	5.50896E-05	0.000139467
3581	6.62574E-05	7.02092E-05	1.85183E-05	6.01258E-05	0.000146513	6.61039E-05	6.95781E-05	3.08674E-05	6.01258E-05	0.000154038
3582	7.12448E-05	7.54441E-05	2.05157E-05	6.39213E-05	0.000158352	7.06776E-05	7.44041E-05	3.28824E-05	6.39213E-05	0.000166829
3583	7.3291E-05	7.75147E-05	2.22668E-05	6.44504E-05	0.00021119	7.19771E-05	7.58119E-05	3.30842E-05	6.44504E-05	0.000215438
3584	6.95355E-05	7.34188E-05	2.26233E-05	6.31044E-05	0.000215329	6.89157E-05	7.25171E-05	3.23901E-05	6.31044E-05	0.000219972
3585	6.99073E-05	7.37805E-05	2.31176E-05	6.32969E-05	0.000218597	6.91668E-05	7.27607E-05	3.27163E-05	6.32969E-05	0.000223443
3586	7.06848E-05	7.45684E-05	2.3769E-05	6.36835E-05	0.000219385	6.97414E-05	7.33529E-05	3.31121E-05	6.36835E-05	0.000224266
3587	7.11083E-05	7.50043E-05	2.40429E-05	6.30616E-05	0.00021952	6.97088E-05	7.33664E-05	3.26127E-05	6.30616E-05	0.000224394
3588	7.05303E-05	7.44104E-05	2.36572E-05	6.28407E-05	0.00021353	6.92957E-05	7.29294E-05	3.24415E-05	6.28407E-05	0.000219287
3589	7.15629E-05	7.55045E-05	2.3946E-05	6.41921E-05	0.00021043	7.05039E-05	7.41804E-05	3.32157E-05	6.41921E-05	0.000215963
3590	7.37933E-05	7.79039E-05	2.41344E-05	6.69209E-05	0.000200833	7.30965E-05	7.69093E-05	3.44261E-05	6.69209E-05	0.000205679
3591	7.99711E-05	8.44788E-05	2.55159E-05	7.3098E-05	0.000194611	7.95574E-05	8.37235E-05	3.7304E-05	7.3098E-05	0.000197695
3592	8.52208E-05	9.0039E-05	2.70146E-05	7.77702E-05	0.000182778	8.47518E-05	8.92109E-05	3.95268E-05	7.77702E-05	0.00018504
3593	8.76395E-05	9.25806E-05	2.79484E-05	7.97343E-05	0.000174068	8.70281E-05	9.16081E-05	4.05764E-05	7.97343E-05	0.000175741
3594	9.3334E-05	9.84681E-05	3.13112E-05	8.34352E-05	0.000169286	9.18183E-05	9.66166E-05	4.31528E-05	8.34352E-05	0.000170654
3595	0.00010076	0.000106078	3.65157E-05	8.72115E-05	0.000153908	9.7493E-05	0.000102543	4.62707E-05	8.72115E-05	0.000156852
3596	0.000102231	0.000107498	3.85964E-05	8.69057E-05	0.000138925	9.80089E-05	0.000103057	4.68086E-05	8.69057E-05	0.000143322
3597	9.93548E-05	0.000104458	3.77058E-05	8.32598E-05	0.000126336	9.47047E-05	9.95893E-05	4.51644E-05	8.32598E-05	0.000131167
3598	9.37475E-05	9.86886E-05	3.40563E-05	7.59093E-05	0.000114993	8.84376E-05	9.30988E-05	4.11629E-05	7.59093E-05	0.000120208
3599	8.14614E-05	8.58205E-05	2.8801E-05	6.63994E-05	0.000110396	7.71514E-05	8.12253E-05	3.58331E-05	6.63994E-05	0.000115294
3600	7.04003E-05	7.43115E-05	2.31513E-05	5.82197E-05	0.000107846	6.72905E-05	7.09004E-05	3.06784E-05	5.82197E-05	0.000112575
3601	6.07733E-05	6.43036E-05	1.81257E-05	5.1621E-05	0.000108027	5.89477E-05	6.21445E-05	2.65252E-05	5.1621E-05	0.000112778
3602	5.69076E-05	6.03011E-05	1.59122E-05	4.89764E-05	0.000112222	5.56288E-05	5.86762E-05	2.47215E-05	4.89764E-05	0.0001173
3603	5.7894E-05	6.13812E-05	1.57678E-05	5.08014E-05	0.000120763	5.70746E-05	6.01797E-05	2.55816E-05	5.08014E-05	0.000126465
3604	6.1326E-05	6.50208E-05	1.66911E-05	5.50896E-05	0.000132898	6.10086E-05	6.42663E-05	2.79681E-05	5.50896E-05	0.000139467
3605	6.62574E-05	7.02092E-05	1.85183E-05	6.01258E-05	0.000146513	6.61039E-05	6.95781E-05	3.08674E-05	6.01258E-05	0.000154038
3606	7.12448E-05	7.54441E-05	2.05157E-05	6.39213E-05	0.000158352	7.06776E-05	7.44041E-05	3.28824E-05	6.39213E-05	0.000166829
3607	7.3291E-05	7.75147E-05	2.22668E-05	6.44504E-05	0.00021119	7.19771E-05	7.58119E-05	3.30842E-05	6.44504E-05	0.000215438
3608	6.95355E-05	7.34188E-05	2.26233E-05	6.31044E-05	0.000215329	6.89157E-05	7.25171E-05	3.23901E-05	6.31044E-05	0.000219972
3609	6.99073E-05	7.37805E-05	2.31176E-05	6.32969E-05	0.000218597	6.91668E-05	7.27607E-05	3.27163E-05	6.32969E-05	0.000223443
3610	7.06848E-05	7.45684E-05	2.3769E-05	6.36835E-05	0.000219385	6.97414E-05	7.33529E-05	3.31121E-05	6.36835E-05	0.000224266
3611	7.11083E-05	7.50043E-05	2.40429E-05	6.30616E-05	0.00021952	6.97088E-05	7.33664E-05	3.26127E-05	6.30616E-05	0.000224394
3612	7.05303E-05	7.44104E-05	2.36572E-05	6.28407E-05	0.00021353	6.92957E-05	7.29294E-05	3.24415E-05	6.28407E-05	0.000219287
3613	7.15629E-05	7.55045E-05	2.3946E-05	6.41921E-05	0.00021043	7.05039E-05	7.41804E-05	3.32157E-05	6.41921E-05	0.000215963
3614	7.37933E-05	7.79039E-05	2.41344E-05	6.69209E-05	0.000200833	7.30965E-05	7.69093E-05	3.44261E-05	6.69209E-05	0.000205679
3615	7.99711E-05	8.44788E-05	2.55159E-05	7.3098E-05	0.000194611	7.95574E-05	8.37235E-05	3.7304E-05	7.3098E-05	0.000197695
3616	8.52208E-05	9.0039E-05	2.70146E-05	7.77702E-05	0.000182778	8.47518E-05	8.92109E-05	3.95268E-05	7.77702E-05	0.00018504
3617	8.76395E-05	9.25806E-05	2.79484E-05	7.97343E-05	0.000174068	8.70281E-05	9.16081E-05	4.05764E-05	7.97343E-05	0.000175741
3618	9.3334E-05	9.84681E-05	3.13112E-05	8.34352E-05	0.000169286	9.18183E-05	9.66166E-05	4.31528E-05	8.34352E-05	0.000170654
3619	0.00010076	0.000106078	3.65157E-05	8.72115E-05	0.000153908	9.7493E-05	0.000102543	4.62707E-05	8.72115E-05	0.000156852
3620	0.000102231	0.000107498	3.85964E-05	8.69057E-05	0.000138925	9.80089E-05	0.000103057	4.68086E-05	8.69057E-05	0.000143322
3621	9.93548E-05	0.000104458	3.77058E-05	8.32598E-05	0.000126336	9.47047E-05	9.95893E-05	4.51644E-05	8.32598E-05	0.000131167
3622	9.37475E-05	9.86886E-05	3.40563E-05	7.59093E-05	0.000114993	8.84376E-05	9.30988E-05	4.11629E-05	7.59093E-05	0.000120208
3623	8.14614E-05	8.58205E-05	2.8801E-05	6.63994E-05	0.000110396	7.71514E-05	8.12253E-05	3.58331E-05	6.63994E-05	0.000115294
3624	7.04003E-05	7.43115E-05	2.31513E-05	5.82197E-05	0.000107846	6.72905E-05	7.09004E-05	3.06784E-05	5.82197E-05	0.000112575
3625	6.03725E-05	6.38782E-05	1.80223E-05	5.12097E-05	0.000109017	5.85261E-05	6.17015E-05	2.63204E-05	5.12097E-05	0.000113847
3626	5.71475E-05	6.0557E-05	1.59595E-05	4.91684E-05	0.000111521	5.58601E-05	5.89234E-05	2.47909E-05	4.91684E-05	0.000116547
3627	5.78142E-05	6.12969E-05	1.57415E-05	5.06984E-05	0.000119927	5.69824E-05	6.00845E-05	2.55201E-05	5.06984E-05	0.000125568
3628	6.10192E-05	6.46953E-05	1.66095E-05	5.47659E-05	0.000131905	6.06823E-05	6.39242E-05	2.78025E-05	5.47659E-05	0.000138401
3629	6.60595E-05	7.00004E-05	1.84514E-05	5.98639E-05	0.000145071	6.58728E-05	6.93399E-05	3.07085E-05	5.98639E-05	0.000152492
3630	7.09349E-05	7.51164E-05	2.04214E-05	6.355E-05	0.000156375	7.03308E-05	7.40439E-05	3.26716E-05	6.355E-05	0.000164713
3631	7.15536E-05	7.56445E-05	2.21334E-05	6.40181E-05	0.000208584	7.06858E-05	7.44138E-05	3.28764E-05	6.40181E-05	0.000212649
3632	6.92956E-05	7.31633E-05	2.2572E-05	6.28975E-05	0.000212449	6.86787E-05	7.22649E-05	3.2306E-05	6.28975E-05	0.00021689
3633	6.9744E-05	7.36058E-05	2.3092E-05	6.31906E-05	0.000215722	6.90188E-05	7.26004E-05	3.2693E-05	6.31906E-05	0.000220366
3634	7.06293E-05	7.45099E-05	2.37504E-05	6.36106E-05	0.000216545	6.96768E-05	7.32863E-05	3.30681E-05	6.36106E-05	0.000221229
3635	7.11539E-05	7.50525E-05	2.40569E-05	6.31166E-05	0.000216764	6.976E-05	7.34195E-05	3.2644E-05	6.31166E-05	0.000221449
3636	7.0775E-05	7.46703E-05	2.37177E-05	6.30823E-05	0.000210885	6.95493E-05	7.31967E-05	3.25573E-05	6.30823E-05	0.000216462
3637	7.20184E-05	7.59887E-05	2.40553E-05	6.46293E-05	0.000208083	7.09713E-05	7.46739E-05	3.34189E-05	6.46293E-05	0.000213455
3638	7.40048E-05	7.813E-05	2.41706E-05	6.70695E-05	0.000198835	7.32924E-05	7.71205E-05	3.44669E-05	6.70695E-05	0.000203549
3639	7.96517E-05	8.41406E-05	2.54247E-05	7.27373E-05	0.000192814	7.92085E-05	8.33595E-05	3.71083E-05	7.27373E-05	0.000195781

3640	8.40195E-05	8.87618E-05	2.673E-05	7.66314E-05	0.000180909	8.35246E-05	8.79141E-05	3.9005E-05	7.66314E-05	0.000183047
3641	8.63901E-05	9.12529E-05	2.76455E-05	7.85245E-05	0.000172346	8.57418E-05	9.0251E-05	4.00087E-05	7.85245E-05	0.000173905
3642	9.21266E-05	9.71848E-05	3.10216E-05	8.22773E-05	0.00016771	9.05797E-05	9.53089E-05	4.26153E-05	8.22773E-05	0.000168972
3643	9.96515E-05	0.000104899	3.6254E-05	8.61642E-05	0.000152113	9.63619E-05	0.000101348	4.57926E-05	8.61642E-05	0.000154934
3644	0.000101171	0.000106372	3.83431E-05	8.58928E-05	0.000137233	9.69231E-05	0.00010191	4.63403E-05	8.58928E-05	0.000141515
3645	9.98858E-05	0.000105047	3.75384E-05	8.24929E-05	0.000124682	9.4742E-05	9.96667E-05	4.47935E-05	8.24929E-05	0.000129403
3646	9.30172E-05	9.79124E-05	3.38812E-05	7.52093E-05	0.000113439	8.76885E-05	9.23079E-05	4.08381E-05	7.52093E-05	0.000118551
3647	8.10083E-05	8.53392E-05	2.86887E-05	6.59516E-05	0.00010898	7.66814E-05	8.07301E-05	3.56184E-05	6.59516E-05	0.000113786
3648	7.00226E-05	7.39102E-05	2.30581E-05	5.78479E-05	0.000106591	6.68993E-05	7.04881E-05	3.05008E-05	5.78479E-05	0.000111238
3649	0.000117871	0.000108503	0.000231035	0.000122157	0.000119916	0.000114821	0.000106568	0.000198525	0.000122157	0.00012525
3650	0.000110961	0.000102062	0.000218464	0.000115893	0.000123238	0.000108488	0.000100625	0.000188238	0.000115893	0.000128815
3651	0.000105938	9.74929E-05	0.000207959	0.000110809	0.000131977	0.000103639	9.61735E-05	0.000179361	0.000110809	0.000138178
3652	0.000105548	9.71889E-05	0.000206524	0.000110495	0.00014475	0.000103266	9.58804E-05	0.000178176	0.000110495	0.00015186
3653	0.000114072	0.000104976	0.000223951	0.000119544	0.000158199	0.000111628	0.000103597	0.000193081	0.000119544	0.000166257
3654	0.000126138	0.000116013	0.00024845	0.000132101	0.000166577	0.000123368	0.000114439	0.000213927	0.000132101	0.000175312
3655	0.000137662	0.000126192	0.000276228	0.000146124	0.000215532	0.000135153	0.000125076	0.000237359	0.000146124	0.000219753
3656	0.00013929	0.000127391	0.000283039	0.000149831	0.000219276	0.000137267	0.000126848	0.000242938	0.000149831	0.000223848
3657	0.000141947	0.000129904	0.000287432	0.000152361	0.00022265	0.000139728	0.000129194	0.000246568	0.000152361	0.000227426
3658	0.000151793	0.000138825	0.000308455	0.00016293	0.000224771	0.000149464	0.000138112	0.000264601	0.00016293	0.000229677
3659	0.000166583	0.000152157	0.000340843	0.000179194	0.000228492	0.000164261	0.000151612	0.000292552	0.000179194	0.000233643
3660	0.000185235	0.000168882	0.00038279	0.000200567	0.000223273	0.000183275	0.000168896	0.000329116	0.000200567	0.000229362
3661	0.000192785	0.000175688	0.000399327	0.000209126	0.000222498	0.00019092	0.000175877	0.000343499	0.000209126	0.000228541
3662	0.000194604	0.000177304	0.0004036	0.000211643	0.000214712	0.000192936	0.000177706	0.000347408	0.000211643	0.000220201
3663	0.000193393	0.000176317	0.000399681	0.000210375	0.000208562	0.000191696	0.000176673	0.000344061	0.000210375	0.000212332
3664	0.000209675	0.000191017	0.000435069	0.00022841	0.000195937	0.000208021	0.000191591	0.000374659	0.00022841	0.000198839
3665	0.000219236	0.000199685	0.000455414	0.000238757	0.000187902	0.000217503	0.000200283	0.000392147	0.000238757	0.000190266
3666	0.000214345	0.00019574	0.000439106	0.000230784	0.000183745	0.000211456	0.000195135	0.000376983	0.000230784	0.000185848
3667	0.000206982	0.000189801	0.000414539	0.000218236	0.000167872	0.000202157	0.000187195	0.000353906	0.000218236	0.000171525
3668	0.000196656	0.000180855	0.000387545	0.000204441	0.00015163	0.000190777	0.000177091	0.000329581	0.000204441	0.000156652
3669	0.000188647	0.000173981	0.000365819	0.000192796	0.000138196	0.000181911	0.000169209	0.000310737	0.000192796	0.000143596
3670	0.000170901	0.000158085	0.000325735	0.000172019	0.000125945	0.000163987	0.000152872	0.000276716	0.000172019	0.000131667
3671	0.000150524	0.000139142	0.000288028	0.000151975	0.000120692	0.000144725	0.000134823	0.000245158	0.000151975	0.000126052
3672	0.000136301	0.000125736	0.000263929	0.000139529	0.00011585	0.000131923	0.000122676	0.000225703	0.000139529	0.000120888
3673	0.000117871	0.000108503	0.000231035	0.000122157	0.000119916	0.000114821	0.000106568	0.000198525	0.000122157	0.00012525
3674	0.000110961	0.000102062	0.000218464	0.000115893	0.000123238	0.000108488	0.000100625	0.000188238	0.000115893	0.000128815
3675	0.000105938	9.74929E-05	0.000207959	0.000110809	0.000131977	0.000103639	9.61735E-05	0.000179361	0.000110809	0.000138178
3676	0.000105548	9.71889E-05	0.000206524	0.000110495	0.00014475	0.000103266	9.58804E-05	0.000178176	0.000110495	0.00015186
3677	0.000114072	0.000104976	0.000223951	0.000119544	0.000158199	0.000111628	0.000103597	0.000193081	0.000119544	0.000166257
3678	0.000126138	0.000116013	0.00024845	0.000132101	0.000166577	0.000123368	0.000114439	0.000213927	0.000132101	0.000175312
3679	0.000137662	0.000126192	0.000276228	0.000146124	0.000215532	0.000135153	0.000125076	0.000237359	0.000146124	0.000219753
3680	0.00013929	0.000127391	0.000283039	0.000149831	0.000219276	0.000137267	0.000126848	0.000242938	0.000149831	0.000223848
3681	0.000141947	0.000129904	0.000287432	0.000152361	0.00022265	0.000139728	0.000129194	0.000246568	0.000152361	0.000227426
3682	0.000151793	0.000138825	0.000308455	0.00016293	0.000224771	0.000149464	0.000138112	0.000264601	0.00016293	0.000229677
3683	0.000166583	0.000152157	0.000340843	0.000179194	0.000228492	0.000164261	0.000151612	0.000292552	0.000179194	0.000233643
3684	0.000185235	0.000168882	0.00038279	0.000200567	0.000223273	0.000183275	0.000168896	0.000329116	0.000200567	0.000229362
3685	0.000192785	0.000175688	0.000399327	0.000209126	0.000222498	0.00019092	0.000175877	0.000343499	0.000209126	0.000228541
3686	0.000194604	0.000177304	0.0004036	0.000211643	0.000214712	0.000192936	0.000177706	0.000347408	0.000211643	0.000220201
3687	0.000193393	0.000176317	0.000399681	0.000210375	0.000208562	0.000191696	0.000176673	0.000344061	0.000210375	0.000212332
3688	0.000209675	0.000191017	0.000435069	0.00022841	0.000195937	0.000208021	0.000191591	0.000374659	0.00022841	0.000198839
3689	0.000219236	0.000199685	0.000455414	0.000238757	0.000187902	0.000217503	0.000200283	0.000392147	0.000238757	0.000190266
3690	0.000214345	0.00019574	0.000439106	0.000230784	0.000183745	0.000211456	0.000195135	0.000376983	0.000230784	0.000185848
3691	0.000206982	0.000189801	0.000414539	0.000218236	0.000167872	0.000202157	0.000187195	0.000353906	0.000218236	0.000171525
3692	0.000196656	0.000180855	0.000387545	0.000204441	0.00015163	0.000190777	0.000177091	0.000329581	0.000204441	0.000156652
3693	0.000188647	0.000173981	0.000365819	0.000192796	0.000138196	0.000181911	0.000169209	0.000310737	0.000192796	0.000143596
3694	0.000170901	0.000158085	0.000325735	0.000172019	0.000125945	0.000163987	0.000152872	0.000276716	0.000172019	0.000131667
3695	0.000150524	0.000139142	0.000288028	0.000151975	0.000120692	0.000144725	0.000134823	0.000245158	0.000151975	0.000126052
3696	0.000136301	0.000125736	0.000263929	0.000139529	0.00011585	0.000131923	0.000122676	0.000225703	0.000139529	0.000120888
3697	0.000117871	0.000108503	0.000231035	0.000122157	0.000119916	0.000114821	0.000106568	0.000198525	0.000122157	0.00012525
3698	0.000110961	0.000102062	0.000218464	0.000115893	0.000123238	0.000108488	0.000100625	0.000188238	0.000115893	0.000128815
3699	0.000105938	9.74929E-05	0.000207959	0.000110809	0.000131977	0.000103639	9.61735E-05	0.000179361	0.000110809	0.000138178
3700	0.000105548	9.71889E-05	0.000206524	0.000110495	0.00014475	0.000103266	9.58804E-05	0.000178176	0.000110495	0.00015186
3701	0.000114072	0.000104976	0.000223951	0.000119544	0.000158199	0.000111628	0.000103597	0.000193081	0.000119544	0.000166257
3702	0.000126138	0.000116013	0.00024845	0.000132101	0.000166577	0.000123368	0.000114439	0.000213927	0.000132101	0.000175312
3703	0.000137662	0.000126192	0.000276228	0.000146124	0.000215532	0.000135153	0.000125076	0.000237359	0.000146124	0.000219753
3704	0.00013929	0.000127391	0.000283039	0.000149831	0.000219276	0.000137267	0.000126848	0.000242938	0.000149831	0.000223848
3705	0.000141947	0.000129904	0.000287432	0.000152361	0.00022265	0.000139728	0.000129194	0.000246568	0.000152361	0.000227426
3706	0.000151793	0.000138825	0.000308455	0.00016293	0.000224771	0.000149464	0.000138112	0.000264601	0.00016293	0.000229677
3707	0.000166583	0.000152157	0.000340843	0.000179194	0.000228492	0.000164261	0.000151612	0.000292552	0.000179194	0.000233643
3708	0.000185235	0.000168882	0.00038279	0.000200567	0.000223273	0.000183275	0.000168896	0.000329116	0.000200567	0.000229362
3709	0.000192785	0.000175688	0.000399327	0.000209126	0.000222498	0.00019092	0.000175877	0.000343499	0.000209126	0.000228541
3710	0.000194604	0.000177304	0.0004036	0.000211643	0.000214712	0.000192936	0.000177706	0.000347408	0.000211643	0.000220201
3711	0.000193393	0.000176317	0.000399681	0.000210375	0.000208562	0.000191696	0.000176673	0.000344061	0.000210375	0.000212332
3712	0.000209675	0.000191017	0.000435069	0.00022841	0.000195937	0.000208021	0.000191591	0.000374659	0.00022841	0.000198839
3713	0.000219236	0.000199685	0.000455414	0.000238757	0.000187902	0.000217503	0.000200283	0.000392147	0.000238757	0.000190266
3714	0.000214345	0.00019574	0.000439106	0.000230784	0.000183745	0.000211456	0.000195135	0.000376983	0.000230784	0.000185848
3715	0.000206982	0.000189801	0.000414539	0.000218236	0.000167872	0.000202157	0.000187195	0.000353906	0.000218236	0.000171525

3716	0.000196656	0.000180855	0.000387545	0.000204441	0.00015163	0.000190777	0.000177091	0.000329581	0.000204441	0.000156652
3717	0.000188647	0.000173981	0.000365819	0.000192796	0.000138196	0.000181911	0.000169209	0.000310737	0.000192796	0.000143596
3718	0.000170901	0.000158085	0.000325735	0.000172019	0.000125945	0.000163987	0.000152872	0.000276716	0.000172019	0.000131667
3719	0.000150524	0.000139142	0.000288028	0.000151975	0.000120692	0.000144725	0.000134823	0.000245158	0.000151975	0.000126052
3720	0.000136301	0.000125736	0.000263929	0.000139529	0.00011585	0.000131923	0.000122676	0.000225703	0.000139529	0.000120888
3721	0.00011809	0.000108694	0.000231591	0.000122407	0.000119887	0.000115046	0.000106768	0.000199008	0.000122407	0.000125218
3722	0.000111057	0.000102144	0.000218727	0.000116004	0.000123147	0.000108588	0.000100712	0.000188467	0.000116004	0.000128717
3723	0.000106009	9.7554E-05	0.000208144	0.000110889	0.000131807	0.000103712	9.62378E-05	0.000179521	0.000110889	0.000137994
3724	0.000105508	9.71503E-05	0.00020647	0.000110452	0.000144629	0.000103228	9.58429E-05	0.000178129	0.000110452	0.00015173
3725	0.000113929	0.000104845	0.000223669	0.000119384	0.000157982	0.000111486	0.000103465	0.000192837	0.000119384	0.000166022
3726	0.000125705	0.000115627	0.000247453	0.000131611	0.000166313	0.000122928	0.000114041	0.000213061	0.000131611	0.000175024
3727	0.000139009	0.000127665	0.00027605	0.000146142	0.000215354	0.000136036	0.00012606	0.000237211	0.000146142	0.000219557
3728	0.000139174	0.000127288	0.000282769	0.0001497	0.000219107	0.00013715	0.000126742	0.000242704	0.0001497	0.000223659
3729	0.000142023	0.000129969	0.000287644	0.000152448	0.000222549	0.000139807	0.000129263	0.000246753	0.000152448	0.00022731
3730	0.000152836	0.000139758	0.000310818	0.000164108	0.000224772	0.000150522	0.000139072	0.000266654	0.000164108	0.00022967
3731	0.000168291	0.000153693	0.000344645	0.000181122	0.000228737	0.000165991	0.000153187	0.000295854	0.000181122	0.000233897
3732	0.000187143	0.000170605	0.000386929	0.000202715	0.000223522	0.0001852	0.000170656	0.000332711	0.000202715	0.000229621
3733	0.000194559	0.000177293	0.000403142	0.000211123	0.000222663	0.000192709	0.000177515	0.000346811	0.000211123	0.00022871
3734	0.000197761	0.000180153	0.000410474	0.000215199	0.000214792	0.000196123	0.000180618	0.000353377	0.000215199	0.000220278
3735	0.000196527	0.000179148	0.000406473	0.000213904	0.000208554	0.000194857	0.000179565	0.000349959	0.000213904	0.000212314
3736	0.00021311	0.000194122	0.000442493	0.000232278	0.000196235	0.000211486	0.000194762	0.000381104	0.000232278	0.000199149
3737	0.000223437	0.000203474	0.000464599	0.000243492	0.000188209	0.000221746	0.000204159	0.000400123	0.000243492	0.000190586
3738	0.00021832	0.000199323	0.000447804	0.000235263	0.000184167	0.00021547	0.000198801	0.000384536	0.000235263	0.000186293
3739	0.000210452	0.000192927	0.000422164	0.000222148	0.00016824	0.000205664	0.000190395	0.000360528	0.000222148	0.000171913
3740	0.000199601	0.000183508	0.000394013	0.000207761	0.000151967	0.000193753	0.000179807	0.000335198	0.000207761	0.000157006
3741	0.000189766	0.000174731	0.000371397	0.000195556	0.000138392	0.000183519	0.000170498	0.000315574	0.000195556	0.0001438
3742	0.0001728	0.000159792	0.00032994	0.000174161	0.000126151	0.000165908	0.000154622	0.000280368	0.000174161	0.000131882
3743	0.000152331	0.000140763	0.000292083	0.000154016	0.000120824	0.000146556	0.000136487	0.00024868	0.000154016	0.000126187
3744	0.000137751	0.00012705	0.000267024	0.00014116	0.00011607	0.000133383	0.000124015	0.000228389	0.00014116	0.000121119
3745	0.00011809	0.000108694	0.000231591	0.000122407	0.000119887	0.000115046	0.000106768	0.000199008	0.000122407	0.000125218
3746	0.000111057	0.000102144	0.000218727	0.000116004	0.000123147	0.000108588	0.000100712	0.000188467	0.000116004	0.000128717
3747	0.000106009	9.7554E-05	0.000208144	0.000110889	0.000131807	0.000103712	9.62378E-05	0.000179521	0.000110889	0.000137994
3748	0.000105508	9.71503E-05	0.00020647	0.000110452	0.000144629	0.000103228	9.58429E-05	0.000178129	0.000110452	0.00015173
3749	0.000113929	0.000104845	0.000223669	0.000119384	0.000157982	0.000111486	0.000103465	0.000192837	0.000119384	0.000166022
3750	0.000125705	0.000115627	0.000247453	0.000131611	0.000166313	0.000122928	0.000114041	0.000213061	0.000131611	0.000175024
3751	0.000139009	0.000127665	0.00027605	0.000146142	0.000215354	0.000136036	0.00012606	0.000237211	0.000146142	0.000219557
3752	0.000139174	0.000127288	0.000282769	0.0001497	0.000219107	0.00013715	0.000126742	0.000242704	0.0001497	0.000223659
3753	0.000142023	0.000129969	0.000287644	0.000152448	0.000222549	0.000139807	0.000129263	0.000246753	0.000152448	0.00022731
3754	0.000152836	0.000139758	0.000310818	0.000164108	0.000224772	0.000150522	0.000139072	0.000266654	0.000164108	0.00022967
3755	0.000168291	0.000153693	0.000344645	0.000181122	0.000228737	0.000165991	0.000153187	0.000295854	0.000181122	0.000233897
3756	0.000187143	0.000170605	0.000386929	0.000202715	0.000223522	0.0001852	0.000170656	0.000332711	0.000202715	0.000229621
3757	0.000194559	0.000177293	0.000403142	0.000211123	0.000222663	0.000192709	0.000177515	0.000346811	0.000211123	0.00022871
3758	0.000197761	0.000180153	0.000410474	0.000215199	0.000214792	0.000196123	0.000180618	0.000353377	0.000215199	0.000220278
3759	0.000196527	0.000179148	0.000406473	0.000213904	0.000208554	0.000194857	0.000179565	0.000349959	0.000213904	0.000212314
3760	0.00021311	0.000194122	0.000442493	0.000232278	0.000196235	0.000211486	0.000194762	0.000381104	0.000232278	0.000199149
3761	0.000223437	0.000203474	0.000464599	0.000243492	0.000188209	0.000221746	0.000204159	0.000400123	0.000243492	0.000190586
3762	0.00021832	0.000199323	0.000447804	0.000235263	0.000184167	0.00021547	0.000198801	0.000384536	0.000235263	0.000186293
3763	0.000210452	0.000192927	0.000422164	0.000222148	0.00016824	0.000205664	0.000190395	0.000360528	0.000222148	0.000171913
3764	0.000199601	0.000183508	0.000394013	0.000207761	0.000151967	0.000193753	0.000179807	0.000335198	0.000207761	0.000157006
3765	0.000189766	0.000174731	0.000371397	0.000195556	0.000138392	0.000183519	0.000170498	0.000315574	0.000195556	0.0001438
3766	0.0001728	0.000159792	0.00032994	0.000174161	0.000126151	0.000165908	0.000154622	0.000280368	0.000174161	0.000131882
3767	0.000152331	0.000140763	0.000292083	0.000154016	0.000120824	0.000146556	0.000136487	0.00024868	0.000154016	0.000126187
3768	0.000137751	0.00012705	0.000267024	0.00014116	0.00011607	0.000133383	0.000124015	0.000228389	0.00014116	0.000121119
3769	0.000117871	0.000108503	0.000231035	0.000122157	0.000119916	0.000114821	0.000106568	0.000198525	0.000122157	0.00012525
3770	0.000110961	0.000102062	0.000218464	0.000115893	0.000123238	0.000108488	0.000100625	0.000188238	0.000115893	0.000128815
3771	0.000105938	9.74929E-05	0.000207959	0.000110809	0.000131977	0.000103639	9.61735E-05	0.000179361	0.000110809	0.000138178
3772	0.000105548	9.71889E-05	0.000206524	0.000110495	0.00014475	0.000103266	9.58804E-05	0.000178176	0.000110495	0.00015186
3773	0.000114072	0.000104976	0.000223951	0.000119544	0.000158199	0.000111628	0.000103597	0.000193081	0.000119544	0.000166257
3774	0.000126138	0.000116013	0.00024845	0.000132101	0.000166577	0.000123368	0.000114439	0.000213927	0.000132101	0.000175312
3775	0.000137662	0.000126192	0.000276228	0.000146124	0.000215532	0.000135153	0.000125076	0.000237359	0.000146124	0.000219753
3776	0.00013929	0.000127391	0.000283039	0.000149831	0.000219276	0.000137267	0.000126848	0.000242938	0.000149831	0.000223848
3777	0.000141947	0.000129904	0.000287432	0.000152361	0.00022265	0.000139728	0.000129194	0.000246568	0.000152361	0.000227426
3778	0.000151793	0.000138825	0.000308455	0.00016293	0.000224771	0.000149464	0.000138112	0.000264601	0.00016293	0.000229677
3779	0.000166583	0.000152157	0.000340843	0.000179194	0.000228492	0.000164261	0.000151612	0.000292552	0.000179194	0.000233643
3780	0.000185235	0.000168882	0.00038279	0.000200567	0.000223273	0.000183275	0.000168896	0.000329116	0.000200567	0.000229362
3781	0.000192785	0.000175688	0.000399327	0.000209126	0.000222498	0.00019092	0.000175877	0.000343499	0.000209126	0.000228541
3782	0.000194604	0.000177304	0.0004036	0.000211643	0.000214712	0.000192936	0.000177706	0.000347408	0.000211643	0.000220201
3783	0.000193393	0.000176317	0.000399681	0.000210375	0.000208562	0.000191696	0.000176673	0.000344061	0.000210375	0.000212332
3784	0.000209675	0.000191017	0.000435069	0.00022841	0.000195937	0.000208021	0.000191591	0.000374659	0.00022841	0.000198839
3785	0.000219236	0.000199685	0.000455414	0.000238757	0.000187902	0.000217503	0.000200283	0.000392147	0.000238757	0.000190266
3786	0.000214345	0.00019574	0.000439106	0.000230784	0.000183745	0.000211456	0.000195135	0.000376983	0.000230784	0.000185848
3787	0.000206982	0.000189801	0.000414539	0.000218236	0.000167872	0.000202157	0.000187195	0.000353906	0.000218236	0.000171525
3788	0.000196656	0.000180855	0.000387545	0.000204441	0.00015163	0.000190777	0.000177091	0.000329581	0.000204441	0.000156652
3789	0.000188647	0.000173981	0.000365819	0.000192796	0.000138196	0.000181911	0.000169209	0.000310737	0.000192796	0.000143596
3790	0.000170901	0.000158085	0.000325735	0.000172019	0.000125945	0.000163987	0.000152872	0.000276716	0.000172019	0.000131667
3791	0.000150524	0.000139142	0.000288028	0.000151975	0.000120692	0.000144725	0.000134823	0.000245158	0.000151975	0.000126052

3792	0.000136301	0.000125736	0.000263929	0.000139529	0.00011585	0.000131923	0.000122676	0.000225703	0.000139529	0.000120888
3793	0.000117871	0.000108503	0.000231035	0.000122157	0.000119916	0.000114821	0.000106568	0.000198525	0.000122157	0.00012525
3794	0.000110961	0.000102062	0.000218464	0.000115893	0.000123238	0.000108488	0.000100625	0.000188238	0.000115893	0.000128815
3795	0.000105938	9.74929E-05	0.000207959	0.000110809	0.000131977	0.000103639	9.61735E-05	0.000179361	0.000110809	0.000138178
3796	0.000105548	9.71889E-05	0.000206524	0.000110495	0.00014475	0.000103266	9.58804E-05	0.000178176	0.000110495	0.00015186
3797	0.000114072	0.000104976	0.000223951	0.000119544	0.000158199	0.000111628	0.000103597	0.000193081	0.000119544	0.000166257
3798	0.000126138	0.000116013	0.00024845	0.000132101	0.000166577	0.000123368	0.000114439	0.000213927	0.000132101	0.000175312
3799	0.000137662	0.000126192	0.000276228	0.000146124	0.000215532	0.000135153	0.000125076	0.000237359	0.000146124	0.000219753
3800	0.00013929	0.000127391	0.000283039	0.000149831	0.000219276	0.000137267	0.000126848	0.000242938	0.000149831	0.000223848
3801	0.000141947	0.000129904	0.000287432	0.000152361	0.00022265	0.000139728	0.000129194	0.000246568	0.000152361	0.000227426
3802	0.000151793	0.000138825	0.000308455	0.00016293	0.000224771	0.000149464	0.000138112	0.000264601	0.00016293	0.000229677
3803	0.000166583	0.000152157	0.000340843	0.000179194	0.000228492	0.000164261	0.000151612	0.000292552	0.000179194	0.000233643
3804	0.000185235	0.000168882	0.00038279	0.000200567	0.000223273	0.000183275	0.000168896	0.000329116	0.000200567	0.000229362
3805	0.000192785	0.000175688	0.000399327	0.000209126	0.000222498	0.00019092	0.000175877	0.000343499	0.000209126	0.000228541
3806	0.000194604	0.000177304	0.0004036	0.000211643	0.000214712	0.000192936	0.000177706	0.000347408	0.000211643	0.000220201
3807	0.000193393	0.000176317	0.000399681	0.000210375	0.000208562	0.000191696	0.000176673	0.000344061	0.000210375	0.000212332
3808	0.000209675	0.000191017	0.000435069	0.00022841	0.000195937	0.000208021	0.000191591	0.000374659	0.00022841	0.000198839
3809	0.000219236	0.000199685	0.000455414	0.000238757	0.000187902	0.000217503	0.000200283	0.000392147	0.000238757	0.000190266
3810	0.000214345	0.00019574	0.000439106	0.000230784	0.000183745	0.000211456	0.000195135	0.000376983	0.000230784	0.000185848
3811	0.000206982	0.000189801	0.000414539	0.000218236	0.000167872	0.000202157	0.000187195	0.000353906	0.000218236	0.000171525
3812	0.000196656	0.000180855	0.000387545	0.000204441	0.00015163	0.000190777	0.000177091	0.000329581	0.000204441	0.000156652
3813	0.000188647	0.000173981	0.000365819	0.000192796	0.000138196	0.000181911	0.000169209	0.000310737	0.000192796	0.000143596
3814	0.000170901	0.000158085	0.000325735	0.000172019	0.000125945	0.000163987	0.000152872	0.000276716	0.000172019	0.000131667
3815	0.000150524	0.000139142	0.000288028	0.000151975	0.000120692	0.000144725	0.000134823	0.000245158	0.000151975	0.000126052
3816	0.000136301	0.000125736	0.000263929	0.000139529	0.00011585	0.000131923	0.000122676	0.000225703	0.000139529	0.000120888
3817	0.000117871	0.000108503	0.000231035	0.000122157	0.000119916	0.000114821	0.000106568	0.000198525	0.000122157	0.00012525
3818	0.000110961	0.000102062	0.000218464	0.000115893	0.000123238	0.000108488	0.000100625	0.000188238	0.000115893	0.000128815
3819	0.000105938	9.74929E-05	0.000207959	0.000110809	0.000131977	0.000103639	9.61735E-05	0.000179361	0.000110809	0.000138178
3820	0.000105548	9.71889E-05	0.000206524	0.000110495	0.00014475	0.000103266	9.58804E-05	0.000178176	0.000110495	0.00015186
3821	0.000114072	0.000104976	0.000223951	0.000119544	0.000158199	0.000111628	0.000103597	0.000193081	0.000119544	0.000166257
3822	0.000126138	0.000116013	0.00024845	0.000132101	0.000166577	0.000123368	0.000114439	0.000213927	0.000132101	0.000175312
3823	0.000137662	0.000126192	0.000276228	0.000146124	0.000215532	0.000135153	0.000125076	0.000237359	0.000146124	0.000219753
3824	0.00013929	0.000127391	0.000283039	0.000149831	0.000219276	0.000137267	0.000126848	0.000242938	0.000149831	0.000223848
3825	0.000141947	0.000129904	0.000287432	0.000152361	0.00022265	0.000139728	0.000129194	0.000246568	0.000152361	0.000227426
3826	0.000151793	0.000138825	0.000308455	0.00016293	0.000224771	0.000149464	0.000138112	0.000264601	0.00016293	0.000229677
3827	0.000166583	0.000152157	0.000340843	0.000179194	0.000228492	0.000164261	0.000151612	0.000292552	0.000179194	0.000233643
3828	0.000185235	0.000168882	0.00038279	0.000200567	0.000223273	0.000183275	0.000168896	0.000329116	0.000200567	0.000229362
3829	0.000192785	0.000175688	0.000399327	0.000209126	0.000222498	0.00019092	0.000175877	0.000343499	0.000209126	0.000228541
3830	0.000194604	0.000177304	0.0004036	0.000211643	0.000214712	0.000192936	0.000177706	0.000347408	0.000211643	0.000220201
3831	0.000193393	0.000176317	0.000399681	0.000210375	0.000208562	0.000191696	0.000176673	0.000344061	0.000210375	0.000212332
3832	0.000209675	0.000191017	0.000435069	0.00022841	0.000195937	0.000208021	0.000191591	0.000374659	0.00022841	0.000198839
3833	0.000219236	0.000199685	0.000455414	0.000238757	0.000187902	0.000217503	0.000200283	0.000392147	0.000238757	0.000190266
3834	0.000214345	0.00019574	0.000439106	0.000230784	0.000183745	0.000211456	0.000195135	0.000376983	0.000230784	0.000185848
3835	0.000206982	0.000189801	0.000414539	0.000218236	0.000167872	0.000202157	0.000187195	0.000353906	0.000218236	0.000171525
3836	0.000196656	0.000180855	0.000387545	0.000204441	0.00015163	0.000190777	0.000177091	0.000329581	0.000204441	0.000156652
3837	0.000188647	0.000173981	0.000365819	0.000192796	0.000138196	0.000181911	0.000169209	0.000310737	0.000192796	0.000143596
3838	0.000170901	0.000158085	0.000325735	0.000172019	0.000125945	0.000163987	0.000152872	0.000276716	0.000172019	0.000131667
3839	0.000150524	0.000139142	0.000288028	0.000151975	0.000120692	0.000144725	0.000134823	0.000245158	0.000151975	0.000126052
3840	0.000136301	0.000125736	0.000263929	0.000139529	0.00011585	0.000131923	0.000122676	0.000225703	0.000139529	0.000120888
3841	0.000117871	0.000108503	0.000231035	0.000122157	0.000119916	0.000114821	0.000106568	0.000198525	0.000122157	0.00012525
3842	0.000110961	0.000102062	0.000218464	0.000115893	0.000123238	0.000108488	0.000100625	0.000188238	0.000115893	0.000128815
3843	0.000105938	9.74929E-05	0.000207959	0.000110809	0.000131977	0.000103639	9.61735E-05	0.000179361	0.000110809	0.000138178
3844	0.000105548	9.71889E-05	0.000206524	0.000110495	0.00014475	0.000103266	9.58804E-05	0.000178176	0.000110495	0.00015186
3845	0.000114072	0.000104976	0.000223951	0.000119544	0.000158199	0.000111628	0.000103597	0.000193081	0.000119544	0.000166257
3846	0.000126138	0.000116013	0.00024845	0.000132101	0.000166577	0.000123368	0.000114439	0.000213927	0.000132101	0.000175312
3847	0.000137662	0.000126192	0.000276228	0.000146124	0.000215532	0.000135153	0.000125076	0.000237359	0.000146124	0.000219753
3848	0.00013929	0.000127391	0.000283039	0.000149831	0.000219276	0.000137267	0.000126848	0.000242938	0.000149831	0.000223848
3849	0.000141947	0.000129904	0.000287432	0.000152361	0.00022265	0.000139728	0.000129194	0.000246568	0.000152361	0.000227426
3850	0.000151793	0.000138825	0.000308455	0.00016293	0.000224771	0.000149464	0.000138112	0.000264601	0.00016293	0.000229677
3851	0.000166583	0.000152157	0.000340843	0.000179194	0.000228492	0.000164261	0.000151612	0.000292552	0.000179194	0.000233643
3852	0.000185235	0.000168882	0.00038279	0.000200567	0.000223273	0.000183275	0.000168896	0.000329116	0.000200567	0.000229362
3853	0.000192785	0.000175688	0.000399327	0.000209126	0.000222498	0.00019092	0.000175877	0.000343499	0.000209126	0.000228541
3854	0.000194604	0.000177304	0.0004036	0.000211643	0.000214712	0.000192936	0.000177706	0.000347408	0.000211643	0.000220201
3855	0.000193393	0.000176317	0.000399681	0.000210375	0.000208562	0.000191696	0.000176673	0.000344061	0.000210375	0.000212332
3856	0.000209675	0.000191017	0.000435069	0.00022841	0.000195937	0.000208021	0.000191591	0.000374659	0.00022841	0.000198839
3857	0.000219236	0.000199685	0.000455414	0.000238757	0.000187902	0.000217503	0.000200283	0.000392147	0.000238757	0.000190266
3858	0.000214345	0.00019574	0.000439106	0.000230784	0.000183745	0.000211456	0.000195135	0.000376983	0.000230784	0.000185848
3859	0.000206982	0.000189801	0.000414539	0.000218236	0.000167872	0.000202157	0.000187195	0.000353906	0.000218236	0.000171525
3860	0.000196656	0.000180855	0.000387545	0.000204441	0.00015163	0.000190777	0.000177091	0.000329581	0.000204441	0.000156652
3861	0.000188647	0.000173981	0.000365819	0.000192796	0.000138196	0.000181911	0.000169209	0.000310737	0.000192796	0.000143596
3862	0.000170901	0.000158085	0.000325735	0.000172019	0.000125945	0.000163987	0.000152872	0.000276716	0.000172019	0.000131667
3863	0.000150524	0.000139142	0.000288028	0.000151975	0.000120692	0.000144725	0.000134823	0.000245158	0.000151975	0.000126052
3864	0.000136301	0.000125736	0.000263929	0.000139529	0.00011585	0.000131923	0.000122676	0.000225703	0.000139529	0.000120888
3865	0.000117871	0.000108503	0.000231035	0.000122157	0.000119916	0.000114821	0.000106568	0.000198525	0.000122157	0.00012525
3866	0.000110961	0.000102062	0.000218464	0.000115893	0.000123238	0.000108488	0.000100625	0.000188238	0.000115893	0.000128815
3867	0.000105938	9.74929E-05	0.000207959	0.000110809	0.000131977	0.000103639	9.61735E-05	0.000179361	0.000110809	0.000138178

3868	0.000105548	9.71889E-05	0.000206524	0.000110495	0.00014475	0.000103266	9.58804E-05	0.000178176	0.000110495	0.00015186
3869	0.000114072	0.000104976	0.000223951	0.000119544	0.000158199	0.000111628	0.000103597	0.000193081	0.000119544	0.000166257
3870	0.000126138	0.000116013	0.00024845	0.000132101	0.000166577	0.000123368	0.000114439	0.000213927	0.000132101	0.000175312
3871	0.000137662	0.000126192	0.000276228	0.000146124	0.000215532	0.000135153	0.000125076	0.000237359	0.000146124	0.000219753
3872	0.00013929	0.000127391	0.000283039	0.000149831	0.000219276	0.000137267	0.000126848	0.000242938	0.000149831	0.000223848
3873	0.000141947	0.000129904	0.000287432	0.000152361	0.00022265	0.000139728	0.000129194	0.000246568	0.000152361	0.000227426
3874	0.000151793	0.000138825	0.000308455	0.00016293	0.000224771	0.000149464	0.000138112	0.000264601	0.00016293	0.000229677
3875	0.000166583	0.000152157	0.000340843	0.000179194	0.000228492	0.000164261	0.000151612	0.000292552	0.000179194	0.000233643
3876	0.000185235	0.000168882	0.00038279	0.000200567	0.000223273	0.000183275	0.000168896	0.000329116	0.000200567	0.000229362
3877	0.000192785	0.000175688	0.000399327	0.000209126	0.000222498	0.00019092	0.000175877	0.000343499	0.000209126	0.000228541
3878	0.000194604	0.000177304	0.0004036	0.000211643	0.000214712	0.000192936	0.000177706	0.000347408	0.000211643	0.000220201
3879	0.000193393	0.000176317	0.000399681	0.000210375	0.000208562	0.000191696	0.000176673	0.000344061	0.000210375	0.000212332
3880	0.000209675	0.000191017	0.000435069	0.00022841	0.000195937	0.000208021	0.000191591	0.000374659	0.00022841	0.000198839
3881	0.000219236	0.000199685	0.000455414	0.000238757	0.000187902	0.000217503	0.000200283	0.000392147	0.000238757	0.000190266
3882	0.000214345	0.00019574	0.000439106	0.000230784	0.000183745	0.000211456	0.000195135	0.000376983	0.000230784	0.000185848
3883	0.000206982	0.000189801	0.000414539	0.000218236	0.000167872	0.000202157	0.000187195	0.000353906	0.000218236	0.000171525
3884	0.000196656	0.000180855	0.000387545	0.000204441	0.00015163	0.000190777	0.000177091	0.000329581	0.000204441	0.000156652
3885	0.000188647	0.000173981	0.000365819	0.000192796	0.000138196	0.000181911	0.000169209	0.000310737	0.000192796	0.000143596
3886	0.000170901	0.000158085	0.000325735	0.000172019	0.000125945	0.000163987	0.000152872	0.000276716	0.000172019	0.000131667
3887	0.000150524	0.000139142	0.000288028	0.000151975	0.000120692	0.000144725	0.000134823	0.000245158	0.000151975	0.000126052
3888	0.000136301	0.000125736	0.000263929	0.000139529	0.00011585	0.000131923	0.000122676	0.000225703	0.000139529	0.000120888
3889	0.00011809	0.000108694	0.000231591	0.000122407	0.000119887	0.000115046	0.000106768	0.000199008	0.000122407	0.000125218
3890	0.000111057	0.000102144	0.000218727	0.000116004	0.000123147	0.000108588	0.000100712	0.000188467	0.000116004	0.000128717
3891	0.000106009	9.7554E-05	0.000208144	0.000110889	0.000131807	0.000103712	9.62378E-05	0.000179521	0.000110889	0.000137994
3892	0.000105508	9.71503E-05	0.00020647	0.000110452	0.000144629	0.000103228	9.58429E-05	0.000178129	0.000110452	0.00015173
3893	0.000113929	0.000104845	0.000223669	0.000119384	0.000157982	0.000111486	0.000103465	0.000192837	0.000119384	0.000166022
3894	0.000125705	0.000115627	0.000247453	0.000131611	0.000166313	0.000122928	0.000114041	0.000213061	0.000131611	0.000175024
3895	0.000139009	0.000127665	0.00027605	0.000146142	0.000215354	0.000136036	0.00012606	0.000237211	0.000146142	0.000219557
3896	0.000139174	0.000127288	0.000282769	0.0001497	0.000219107	0.00013715	0.000126742	0.000242704	0.0001497	0.000223659
3897	0.000142023	0.000129969	0.000287644	0.000152448	0.000222549	0.000139807	0.000129263	0.000246753	0.000152448	0.00022731
3898	0.000152836	0.000139758	0.000310818	0.000164108	0.000224772	0.000150522	0.000139072	0.000266654	0.000164108	0.00022967
3899	0.000168291	0.000153693	0.000344645	0.000181122	0.000228737	0.000165991	0.000153187	0.000295854	0.000181122	0.000233897
3900	0.000187143	0.000170605	0.000386929	0.000202715	0.000223522	0.0001852	0.000170656	0.000332711	0.000202715	0.000229621
3901	0.000194559	0.000177293	0.000403142	0.000211123	0.000222663	0.000192709	0.000177515	0.000346811	0.000211123	0.00022871
3902	0.000197761	0.000180153	0.000410474	0.000215199	0.000214792	0.000196123	0.000180618	0.000353377	0.000215199	0.000220278
3903	0.000196527	0.000179148	0.000406473	0.000213904	0.000208554	0.000194857	0.000179565	0.000349959	0.000213904	0.000212314
3904	0.00021311	0.000194122	0.000442493	0.000232278	0.000196235	0.000211486	0.000194762	0.000381104	0.000232278	0.000199149
3905	0.000223437	0.000203474	0.000464599	0.000243492	0.000188209	0.000221746	0.000204159	0.000400123	0.000243492	0.000190586
3906	0.00021832	0.000199323	0.000447804	0.000235263	0.000184167	0.00021547	0.000198801	0.000384536	0.000235263	0.000186293
3907	0.000210452	0.000192927	0.000422164	0.000222148	0.00016824	0.000205664	0.000190395	0.000360528	0.000222148	0.000171913
3908	0.000199601	0.000183508	0.000394013	0.000207761	0.000151967	0.000193753	0.000179807	0.000335198	0.000207761	0.000157006
3909	0.000189766	0.000174731	0.000371397	0.000195556	0.000138392	0.000183519	0.000170498	0.000315574	0.000195556	0.0001438
3910	0.0001728	0.000159792	0.00032994	0.000174161	0.000126151	0.000165908	0.000154622	0.000280368	0.000174161	0.000131882
3911	0.000152331	0.000140763	0.000292083	0.000154016	0.000120824	0.000146556	0.000136487	0.00024868	0.000154016	0.000126187
3912	0.000137751	0.00012705	0.000267024	0.00014116	0.00011607	0.000133383	0.000124015	0.000228389	0.00014116	0.000121119
3913	0.00011809	0.000108694	0.000231591	0.000122407	0.000119887	0.000115046	0.000106768	0.000199008	0.000122407	0.000125218
3914	0.000111057	0.000102144	0.000218727	0.000116004	0.000123147	0.000108588	0.000100712	0.000188467	0.000116004	0.000128717
3915	0.000106009	9.7554E-05	0.000208144	0.000110889	0.000131807	0.000103712	9.62378E-05	0.000179521	0.000110889	0.000137994
3916	0.000105508	9.71503E-05	0.00020647	0.000110452	0.000144629	0.000103228	9.58429E-05	0.000178129	0.000110452	0.00015173
3917	0.000113929	0.000104845	0.000223669	0.000119384	0.000157982	0.000111486	0.000103465	0.000192837	0.000119384	0.000166022
3918	0.000125705	0.000115627	0.000247453	0.000131611	0.000166313	0.000122928	0.000114041	0.000213061	0.000131611	0.000175024
3919	0.000139009	0.000127665	0.00027605	0.000146142	0.000215354	0.000136036	0.00012606	0.000237211	0.000146142	0.000219557
3920	0.000139174	0.000127288	0.000282769	0.0001497	0.000219107	0.00013715	0.000126742	0.000242704	0.0001497	0.000223659
3921	0.000142023	0.000129969	0.000287644	0.000152448	0.000222549	0.000139807	0.000129263	0.000246753	0.000152448	0.00022731
3922	0.000152836	0.000139758	0.000310818	0.000164108	0.000224772	0.000150522	0.000139072	0.000266654	0.000164108	0.00022967
3923	0.000168291	0.000153693	0.000344645	0.000181122	0.000228737	0.000165991	0.000153187	0.000295854	0.000181122	0.000233897
3924	0.000187143	0.000170605	0.000386929	0.000202715	0.000223522	0.0001852	0.000170656	0.000332711	0.000202715	0.000229621
3925	0.000194559	0.000177293	0.000403142	0.000211123	0.000222663	0.000192709	0.000177515	0.000346811	0.000211123	0.00022871
3926	0.000197761	0.000180153	0.000410474	0.000215199	0.000214792	0.000196123	0.000180618	0.000353377	0.000215199	0.000220278
3927	0.000196527	0.000179148	0.000406473	0.000213904	0.000208554	0.000194857	0.000179565	0.000349959	0.000213904	0.000212314
3928	0.00021311	0.000194122	0.000442493	0.000232278	0.000196235	0.000211486	0.000194762	0.000381104	0.000232278	0.000199149
3929	0.000223437	0.000203474	0.000464599	0.000243492	0.000188209	0.000221746	0.000204159	0.000400123	0.000243492	0.000190586
3930	0.00021832	0.000199323	0.000447804	0.000235263	0.000184167	0.00021547	0.000198801	0.000384536	0.000235263	0.000186293
3931	0.000210452	0.000192927	0.000422164	0.000222148	0.00016824	0.000205664	0.000190395	0.000360528	0.000222148	0.000171913
3932	0.000199601	0.000183508	0.000394013	0.000207761	0.000151967	0.000193753	0.000179807	0.000335198	0.000207761	0.000157006
3933	0.000189766	0.000174731	0.000371397	0.000195556	0.000138392	0.000183519	0.000170498	0.000315574	0.000195556	0.0001438
3934	0.0001728	0.000159792	0.00032994	0.000174161	0.000126151	0.000165908	0.000154622	0.000280368	0.000174161	0.000131882
3935	0.000152331	0.000140763	0.000292083	0.000154016	0.000120824	0.000146556	0.000136487	0.00024868	0.000154016	0.000126187
3936	0.000137751	0.00012705	0.000267024	0.00014116	0.00011607	0.000133383	0.000124015	0.000228389	0.00014116	0.000121119
3937	0.000117871	0.000108503	0.000231035	0.000122157	0.000119916	0.000114821	0.000106568	0.000198525	0.000122157	0.00012525
3938	0.000110961	0.000102062	0.000218464	0.000115893	0.000123238	0.000108488	0.000100625	0.000188238	0.000115893	0.000128815
3939	0.000105938	9.74929E-05	0.000207959	0.000110809	0.000131977	0.000103639	9.61735E-05	0.000179361	0.000110809	0.000138178
3940	0.000105548	9.71889E-05	0.000206524	0.000110495	0.00014475	0.000103266	9.58804E-05	0.000178176	0.000110495	0.00015186
3941	0.000114072	0.000104976	0.000223951	0.000119544	0.000158199	0.000111628	0.000103597	0.000193081	0.000119544	0.000166257
3942	0.000126138	0.000116013	0.00024845	0.000132101	0.000166577	0.000123368	0.000114439	0.000213927	0.000132101	0.000175312
3943	0.000137662	0.000126192	0.000276228	0.000146124	0.000215532	0.000135153	0.000125076	0.000237359	0.000146124	0.000219753

3944	0.00013929	0.000127391	0.000283039	0.000149831	0.000219276	0.000137267	0.000126848	0.000242938	0.000149831	0.000223848
3945	0.000141947	0.000129904	0.000287432	0.000152361	0.00022265	0.000139728	0.000129194	0.000246568	0.000152361	0.000227426
3946	0.000151793	0.000138825	0.000308455	0.00016293	0.000224771	0.000149464	0.000138112	0.000264601	0.00016293	0.000229677
3947	0.000166583	0.000152157	0.000340843	0.000179194	0.000228492	0.000164261	0.000151612	0.000292552	0.000179194	0.000233643
3948	0.000185235	0.000168882	0.00038279	0.000200567	0.000223273	0.000183275	0.000168896	0.000329116	0.000200567	0.000229362
3949	0.000192785	0.000175688	0.000399327	0.000209126	0.000222498	0.00019092	0.000175877	0.000343499	0.000209126	0.000228541
3950	0.000194604	0.000177304	0.0004036	0.000211643	0.000214712	0.000192936	0.000177706	0.000347408	0.000211643	0.000220201
3951	0.000193393	0.000176317	0.000399681	0.000210375	0.000208562	0.000191696	0.000176673	0.000344061	0.000210375	0.000212332
3952	0.000209675	0.000191017	0.000435069	0.00022841	0.000195937	0.000208021	0.000191591	0.000374659	0.00022841	0.000198839
3953	0.000219236	0.000199685	0.000455414	0.000238757	0.000187902	0.000217503	0.000200283	0.000392147	0.000238757	0.000190266
3954	0.000214345	0.00019574	0.000439106	0.000230784	0.000183745	0.000211456	0.000195135	0.000376983	0.000230784	0.000185848
3955	0.000206982	0.000189801	0.000414539	0.000218236	0.000167872	0.000202157	0.000187195	0.000353906	0.000218236	0.000171525
3956	0.000196656	0.000180855	0.000387545	0.000204441	0.00015163	0.000190777	0.000177091	0.000329581	0.000204441	0.000156652
3957	0.000188647	0.000173981	0.000365819	0.000192796	0.000138196	0.000181911	0.000169209	0.000310737	0.000192796	0.000143596
3958	0.000170901	0.000158085	0.000325735	0.000172019	0.000125945	0.000163987	0.000152872	0.000276716	0.000172019	0.000131667
3959	0.000150524	0.000139142	0.000288028	0.000151975	0.000120692	0.000144725	0.000134823	0.000245158	0.000151975	0.000126052
3960	0.000136301	0.000125736	0.000263929	0.000139529	0.00011585	0.000131923	0.000122676	0.000225703	0.000139529	0.000120888
3961	0.000117871	0.000108503	0.000231035	0.000122157	0.000119916	0.000114821	0.000106568	0.000198525	0.000122157	0.00012525
3962	0.000110961	0.000102062	0.000218464	0.000115893	0.000123238	0.000108488	0.000100625	0.000188238	0.000115893	0.000128815
3963	0.000105938	9.74929E-05	0.000207959	0.000110809	0.000131977	0.000103639	9.61735E-05	0.000179361	0.000110809	0.000138178
3964	0.000105548	9.71889E-05	0.000206524	0.000110495	0.00014475	0.000103266	9.58804E-05	0.000178176	0.000110495	0.00015186
3965	0.000114072	0.000104976	0.000223951	0.000119544	0.000158199	0.000111628	0.000103597	0.000193081	0.000119544	0.000166257
3966	0.000126138	0.000116013	0.00024845	0.000132101	0.000166577	0.000123368	0.000114439	0.000213927	0.000132101	0.000175312
3967	0.000137662	0.000126192	0.000276228	0.000146124	0.000215532	0.000135153	0.000125076	0.000237359	0.000146124	0.000219753
3968	0.00013929	0.000127391	0.000283039	0.000149831	0.000219276	0.000137267	0.000126848	0.000242938	0.000149831	0.000223848
3969	0.000141947	0.000129904	0.000287432	0.000152361	0.00022265	0.000139728	0.000129194	0.000246568	0.000152361	0.000227426
3970	0.000151793	0.000138825	0.000308455	0.00016293	0.000224771	0.000149464	0.000138112	0.000264601	0.00016293	0.000229677
3971	0.000166583	0.000152157	0.000340843	0.000179194	0.000228492	0.000164261	0.000151612	0.000292552	0.000179194	0.000233643
3972	0.000185235	0.000168882	0.00038279	0.000200567	0.000223273	0.000183275	0.000168896	0.000329116	0.000200567	0.000229362
3973	0.000192785	0.000175688	0.000399327	0.000209126	0.000222498	0.00019092	0.000175877	0.000343499	0.000209126	0.000228541
3974	0.000194604	0.000177304	0.0004036	0.000211643	0.000214712	0.000192936	0.000177706	0.000347408	0.000211643	0.000220201
3975	0.000193393	0.000176317	0.000399681	0.000210375	0.000208562	0.000191696	0.000176673	0.000344061	0.000210375	0.000212332
3976	0.000209675	0.000191017	0.000435069	0.00022841	0.000195937	0.000208021	0.000191591	0.000374659	0.00022841	0.000198839
3977	0.000219236	0.000199685	0.000455414	0.000238757	0.000187902	0.000217503	0.000200283	0.000392147	0.000238757	0.000190266
3978	0.000214345	0.00019574	0.000439106	0.000230784	0.000183745	0.000211456	0.000195135	0.000376983	0.000230784	0.000185848
3979	0.000206982	0.000189801	0.000414539	0.000218236	0.000167872	0.000202157	0.000187195	0.000353906	0.000218236	0.000171525
3980	0.000196656	0.000180855	0.000387545	0.000204441	0.00015163	0.000190777	0.000177091	0.000329581	0.000204441	0.000156652
3981	0.000188647	0.000173981	0.000365819	0.000192796	0.000138196	0.000181911	0.000169209	0.000310737	0.000192796	0.000143596
3982	0.000170901	0.000158085	0.000325735	0.000172019	0.000125945	0.000163987	0.000152872	0.000276716	0.000172019	0.000131667
3983	0.000150524	0.000139142	0.000288028	0.000151975	0.000120692	0.000144725	0.000134823	0.000245158	0.000151975	0.000126052
3984	0.000136301	0.000125736	0.000263929	0.000139529	0.00011585	0.000131923	0.000122676	0.000225703	0.000139529	0.000120888
3985	0.000117871	0.000108503	0.000231035	0.000122157	0.000119916	0.000114821	0.000106568	0.000198525	0.000122157	0.00012525
3986	0.000110961	0.000102062	0.000218464	0.000115893	0.000123238	0.000108488	0.000100625	0.000188238	0.000115893	0.000128815
3987	0.000105938	9.74929E-05	0.000207959	0.000110809	0.000131977	0.000103639	9.61735E-05	0.000179361	0.000110809	0.000138178
3988	0.000105548	9.71889E-05	0.000206524	0.000110495	0.00014475	0.000103266	9.58804E-05	0.000178176	0.000110495	0.00015186
3989	0.000114072	0.000104976	0.000223951	0.000119544	0.000158199	0.000111628	0.000103597	0.000193081	0.000119544	0.000166257
3990	0.000126138	0.000116013	0.00024845	0.000132101	0.000166577	0.000123368	0.000114439	0.000213927	0.000132101	0.000175312
3991	0.000137662	0.000126192	0.000276228	0.000146124	0.000215532	0.000135153	0.000125076	0.000237359	0.000146124	0.000219753
3992	0.00013929	0.000127391	0.000283039	0.000149831	0.000219276	0.000137267	0.000126848	0.000242938	0.000149831	0.000223848
3993	0.000141947	0.000129904	0.000287432	0.000152361	0.00022265	0.000139728	0.000129194	0.000246568	0.000152361	0.000227426
3994	0.000151793	0.000138825	0.000308455	0.00016293	0.000224771	0.000149464	0.000138112	0.000264601	0.00016293	0.000229677
3995	0.000166583	0.000152157	0.000340843	0.000179194	0.000228492	0.000164261	0.000151612	0.000292552	0.000179194	0.000233643
3996	0.000185235	0.000168882	0.00038279	0.000200567	0.000223273	0.000183275	0.000168896	0.000329116	0.000200567	0.000229362
3997	0.000192785	0.000175688	0.000399327	0.000209126	0.000222498	0.00019092	0.000175877	0.000343499	0.000209126	0.000228541
3998	0.000194604	0.000177304	0.0004036	0.000211643	0.000214712	0.000192936	0.000177706	0.000347408	0.000211643	0.000220201
3999	0.000193393	0.000176317	0.000399681	0.000210375	0.000208562	0.000191696	0.000176673	0.000344061	0.000210375	0.000212332
4000	0.000209675	0.000191017	0.000435069	0.00022841	0.000195937	0.000208021	0.000191591	0.000374659	0.00022841	0.000198839
4001	0.000219236	0.000199685	0.000455414	0.000238757	0.000187902	0.000217503	0.000200283	0.000392147	0.000238757	0.000190266
4002	0.000214345	0.00019574	0.000439106	0.000230784	0.000183745	0.000211456	0.000195135	0.000376983	0.000230784	0.000185848
4003	0.000206982	0.000189801	0.000414539	0.000218236	0.000167872	0.000202157	0.000187195	0.000353906	0.000218236	0.000171525
4004	0.000196656	0.000180855	0.000387545	0.000204441	0.00015163	0.000190777	0.000177091	0.000329581	0.000204441	0.000156652
4005	0.000188647	0.000173981	0.000365819	0.000192796	0.000138196	0.000181911	0.000169209	0.000310737	0.000192796	0.000143596
4006	0.000170901	0.000158085	0.000325735	0.000172019	0.000125945	0.000163987	0.000152872	0.000276716	0.000172019	0.000131667
4007	0.000150524	0.000139142	0.000288028	0.000151975	0.000120692	0.000144725	0.000134823	0.000245158	0.000151975	0.000126052
4008	0.000136301	0.000125736	0.000263929	0.000139529	0.00011585	0.000131923	0.000122676	0.000225703	0.000139529	0.000120888
4009	0.000117871	0.000108503	0.000231035	0.000122157	0.000119916	0.000114821	0.000106568	0.000198525	0.000122157	0.00012525
4010	0.000110961	0.000102062	0.000218464	0.000115893	0.000123238	0.000108488	0.000100625	0.000188238	0.000115893	0.000128815
4011	0.000105938	9.74929E-05	0.000207959	0.000110809	0.000131977	0.000103639	9.61735E-05	0.000179361	0.000110809	0.000138178
4012	0.000105548	9.71889E-05	0.000206524	0.000110495	0.00014475	0.000103266	9.58804E-05	0.000178176	0.000110495	0.00015186
4013	0.000114072	0.000104976	0.000223951	0.000119544	0.000158199	0.000111628	0.000103597	0.000193081	0.000119544	0.000166257
4014	0.000126138	0.000116013	0.00024845	0.000132101	0.000166577	0.000123368	0.000114439	0.000213927	0.000132101	0.000175312
4015	0.000137662	0.000126192	0.000276228	0.000146124	0.000215532	0.000135153	0.000125076	0.000237359	0.000146124	0.000219753
4016	0.00013929	0.000127391	0.000283039	0.000149831	0.000219276	0.000137267	0.000126848	0.000242938	0.000149831	0.000223848
4017	0.000141947	0.000129904	0.000287432	0.000152361	0.00022265	0.000139728	0.000129194	0.000246568	0.000152361	0.000227426
4018	0.000151793	0.000138825	0.000308455	0.00016293	0.000224771	0.000149464	0.000138112	0.000264601	0.00016293	0.000229677
4019	0.000166583	0.000152157	0.000340843	0.000179194	0.000228492	0.000164261	0.000151612	0.000292552	0.000179194	0.000233643

4020	0.000185235	0.000168882	0.00038279	0.000200567	0.000223273	0.000183275	0.000168896	0.000329116	0.000200567	0.000229362
4021	0.000192785	0.000175688	0.000399327	0.000209126	0.000222498	0.00019092	0.000175877	0.000343499	0.000209126	0.000228541
4022	0.000194604	0.000177304	0.0004036	0.000211643	0.000214712	0.000192936	0.000177706	0.000347408	0.000211643	0.000220201
4023	0.000193393	0.000176317	0.000399681	0.000210375	0.000208562	0.000191696	0.000176673	0.000344061	0.000210375	0.000212332
4024	0.000209675	0.000191017	0.000435069	0.00022841	0.000195937	0.000208021	0.000191591	0.000374659	0.00022841	0.000198839
4025	0.000219236	0.000199685	0.000455414	0.000238757	0.000187902	0.000217503	0.000200283	0.000392147	0.000238757	0.000190266
4026	0.000214345	0.00019574	0.000439106	0.000230784	0.000183745	0.000211456	0.000195135	0.000376983	0.000230784	0.000185848
4027	0.000206982	0.000189801	0.000414539	0.000218236	0.000167872	0.000202157	0.000187195	0.000353906	0.000218236	0.000171525
4028	0.000196656	0.000180855	0.000387545	0.000204441	0.00015163	0.000190777	0.000177091	0.000329581	0.000204441	0.000156652
4029	0.000188647	0.000173981	0.000365819	0.000192796	0.000138196	0.000181911	0.000169209	0.000310737	0.000192796	0.000143596
4030	0.000170901	0.000158085	0.000325735	0.000172019	0.000125945	0.000163987	0.000152872	0.000276716	0.000172019	0.000131667
4031	0.000150524	0.000139142	0.000288028	0.000151975	0.000120692	0.000144725	0.000134823	0.000245158	0.000151975	0.000126052
4032	0.000136301	0.000125736	0.000263929	0.000139529	0.00011585	0.000131923	0.000122676	0.000225703	0.000139529	0.000120888
4033	0.000117871	0.000108503	0.000231035	0.000122157	0.000119916	0.000114821	0.000106568	0.000198525	0.000122157	0.00012525
4034	0.000110961	0.000102062	0.000218464	0.000115893	0.000123238	0.000108488	0.000100625	0.000188238	0.000115893	0.000128815
4035	0.000105938	9.74929E-05	0.000207959	0.000110809	0.000131977	0.000103639	9.61735E-05	0.000179361	0.000110809	0.000138178
4036	0.000105548	9.71889E-05	0.000206524	0.000110495	0.00014475	0.000103266	9.58804E-05	0.000178176	0.000110495	0.00015186
4037	0.000114072	0.000104976	0.000223951	0.000119544	0.000158199	0.000111628	0.000103597	0.000193081	0.000119544	0.000166257
4038	0.000126138	0.000116013	0.00024845	0.000132101	0.000166577	0.000123368	0.000114439	0.000213927	0.000132101	0.000175312
4039	0.000137662	0.000126192	0.000276228	0.000146124	0.000215532	0.000135153	0.000125076	0.000237359	0.000146124	0.000219753
4040	0.00013929	0.000127391	0.000283039	0.000149831	0.000219276	0.000137267	0.000126848	0.000242938	0.000149831	0.000223848
4041	0.000141947	0.000129904	0.000287432	0.000152361	0.00022265	0.000139728	0.000129194	0.000246568	0.000152361	0.000227426
4042	0.000151793	0.000138825	0.000308455	0.00016293	0.000224771	0.000149464	0.000138112	0.000264601	0.00016293	0.000229677
4043	0.000166583	0.000152157	0.000340843	0.000179194	0.000228492	0.000164261	0.000151612	0.000292552	0.000179194	0.000233643
4044	0.000185235	0.000168882	0.00038279	0.000200567	0.000223273	0.000183275	0.000168896	0.000329116	0.000200567	0.000229362
4045	0.000192785	0.000175688	0.000399327	0.000209126	0.000222498	0.00019092	0.000175877	0.000343499	0.000209126	0.000228541
4046	0.000194604	0.000177304	0.0004036	0.000211643	0.000214712	0.000192936	0.000177706	0.000347408	0.000211643	0.000220201
4047	0.000193393	0.000176317	0.000399681	0.000210375	0.000208562	0.000191696	0.000176673	0.000344061	0.000210375	0.000212332
4048	0.000209675	0.000191017	0.000435069	0.00022841	0.000195937	0.000208021	0.000191591	0.000374659	0.00022841	0.000198839
4049	0.000219236	0.000199685	0.000455414	0.000238757	0.000187902	0.000217503	0.000200283	0.000392147	0.000238757	0.000190266
4050	0.000214345	0.00019574	0.000439106	0.000230784	0.000183745	0.000211456	0.000195135	0.000376983	0.000230784	0.000185848
4051	0.000206982	0.000189801	0.000414539	0.000218236	0.000167872	0.000202157	0.000187195	0.000353906	0.000218236	0.000171525
4052	0.000196656	0.000180855	0.000387545	0.000204441	0.00015163	0.000190777	0.000177091	0.000329581	0.000204441	0.000156652
4053	0.000188647	0.000173981	0.000365819	0.000192796	0.000138196	0.000181911	0.000169209	0.000310737	0.000192796	0.000143596
4054	0.000170901	0.000158085	0.000325735	0.000172019	0.000125945	0.000163987	0.000152872	0.000276716	0.000172019	0.000131667
4055	0.000150524	0.000139142	0.000288028	0.000151975	0.000120692	0.000144725	0.000134823	0.000245158	0.000151975	0.000126052
4056	0.000136301	0.000125736	0.000263929	0.000139529	0.00011585	0.000131923	0.000122676	0.000225703	0.000139529	0.000120888
4057	0.00011809	0.000108694	0.000231591	0.000122407	0.000119887	0.000115046	0.000106768	0.000199008	0.000122407	0.000125218
4058	0.000111057	0.000102144	0.000218727	0.000116004	0.000123147	0.000108588	0.000100712	0.000188467	0.000116004	0.000128717
4059	0.000106009	9.7554E-05	0.000208144	0.000110889	0.000131807	0.000103712	9.62378E-05	0.000179521	0.000110889	0.000137994
4060	0.000105508	9.71503E-05	0.00020647	0.000110452	0.000144629	0.000103228	9.58429E-05	0.000178129	0.000110452	0.00015173
4061	0.000113929	0.000104845	0.000223669	0.000119384	0.000157982	0.000111486	0.000103465	0.000192837	0.000119384	0.000166022
4062	0.000125705	0.000115627	0.000247453	0.000131611	0.000166313	0.000122928	0.000114041	0.000213061	0.000131611	0.000175024
4063	0.000139009	0.000127665	0.00027605	0.000146142	0.000215354	0.000136036	0.00012606	0.000237211	0.000146142	0.000219557
4064	0.000139174	0.000127288	0.000282769	0.0001497	0.000219107	0.00013715	0.000126742	0.000242704	0.0001497	0.000223659
4065	0.000142023	0.000129969	0.000287644	0.000152448	0.000222549	0.000139807	0.000129263	0.000246753	0.000152448	0.00022731
4066	0.000152836	0.000139758	0.000310818	0.000164108	0.000224772	0.000150522	0.000139072	0.000266654	0.000164108	0.00022967
4067	0.000168291	0.000153693	0.000344645	0.000181122	0.000228737	0.000165991	0.000153187	0.000295854	0.000181122	0.000233897
4068	0.000187143	0.000170605	0.000386929	0.000202715	0.000223522	0.0001852	0.000170656	0.000332711	0.000202715	0.000229621
4069	0.000194559	0.000177293	0.000403142	0.000211123	0.000222663	0.000192709	0.000177515	0.000346811	0.000211123	0.00022871
4070	0.000197761	0.000180153	0.000410474	0.000215199	0.000214792	0.000196123	0.000180618	0.000353377	0.000215199	0.000220278
4071	0.000196527	0.000179148	0.000406473	0.000213904	0.000208554	0.000194857	0.000179565	0.000349959	0.000213904	0.000212314
4072	0.00021311	0.000194122	0.000442493	0.000232278	0.000196235	0.000211486	0.000194762	0.000381104	0.000232278	0.000199149
4073	0.000223437	0.000203474	0.000464599	0.000243492	0.000188209	0.000221746	0.000204159	0.000400123	0.000243492	0.000190586
4074	0.00021832	0.000199323	0.000447804	0.000235263	0.000184167	0.00021547	0.000198801	0.000384536	0.000235263	0.000186293
4075	0.000210452	0.000192927	0.000422164	0.000222148	0.00016824	0.000205664	0.000190395	0.000360528	0.000222148	0.000171913
4076	0.000199601	0.000183508	0.000394013	0.000207761	0.000151967	0.000193753	0.000179807	0.000335198	0.000207761	0.000157006
4077	0.000189766	0.000174731	0.000371397	0.000195556	0.000138392	0.000183519	0.000170498	0.000315574	0.000195556	0.0001438
4078	0.0001728	0.000159792	0.00032994	0.000174161	0.000126151	0.000165908	0.000154622	0.000280368	0.000174161	0.000131882
4079	0.000152331	0.000140763	0.000292083	0.000154016	0.000120824	0.000146556	0.000136487	0.00024868	0.000154016	0.000126187
4080	0.000137751	0.00012705	0.000267024	0.00014116	0.00011607	0.000133383	0.000124015	0.000228389	0.00014116	0.000121119
4081	0.00011809	0.000108694	0.000231591	0.000122407	0.000119887	0.000115046	0.000106768	0.000199008	0.000122407	0.000125218
4082	0.000111057	0.000102144	0.000218727	0.000116004	0.000123147	0.000108588	0.000100712	0.000188467	0.000116004	0.000128717
4083	0.000106009	9.7554E-05	0.000208144	0.000110889	0.000131807	0.000103712	9.62378E-05	0.000179521	0.000110889	0.000137994
4084	0.000105508	9.71503E-05	0.00020647	0.000110452	0.000144629	0.000103228	9.58429E-05	0.000178129	0.000110452	0.00015173
4085	0.000113929	0.000104845	0.000223669	0.000119384	0.000157982	0.000111486	0.000103465	0.000192837	0.000119384	0.000166022
4086	0.000125705	0.000115627	0.000247453	0.000131611	0.000166313	0.000122928	0.000114041	0.000213061	0.000131611	0.000175024
4087	0.000139009	0.000127665	0.00027605	0.000146142	0.000215354	0.000136036	0.00012606	0.000237211	0.000146142	0.000219557
4088	0.000139174	0.000127288	0.000282769	0.0001497	0.000219107	0.00013715	0.000126742	0.000242704	0.0001497	0.000223659
4089	0.000142023	0.000129969	0.000287644	0.000152448	0.000222549	0.000139807	0.000129263	0.000246753	0.000152448	0.00022731
4090	0.000152836	0.000139758	0.000310818	0.000164108	0.000224772	0.000150522	0.000139072	0.000266654	0.000164108	0.00022967
4091	0.000168291	0.000153693	0.000344645	0.000181122	0.000228737	0.000165991	0.000153187	0.000295854	0.000181122	0.000233897
4092	0.000187143	0.000170605	0.000386929	0.000202715	0.000223522	0.0001852	0.000170656	0.000332711	0.000202715	0.000229621
4093	0.000194559	0.000177293	0.000403142	0.000211123	0.000222663	0.000192709	0.000177515	0.000346811	0.000211123	0.00022871
4094	0.000197761	0.000180153	0.000410474	0.000215199	0.000214792	0.000196123	0.000180618	0.000353377	0.000215199	0.000220278
4095	0.000196527	0.000179148	0.000406473	0.000213904	0.000208554	0.000194857	0.000179565	0.000349959	0.000213904	0.000212314

4096	0.00021311	0.000194122	0.000442493	0.000232278	0.000196235	0.000211486	0.000194762	0.000381104	0.000232278	0.000199149
4097	0.000223437	0.000203474	0.000464599	0.000243492	0.000188209	0.000221746	0.000204159	0.000400123	0.000243492	0.000190586
4098	0.00021832	0.000199323	0.000447804	0.000235263	0.000184167	0.00021547	0.000198801	0.000384536	0.000235263	0.000186293
4099	0.000210452	0.000192927	0.000422164	0.000222148	0.00016824	0.000205664	0.000190395	0.000360528	0.000222148	0.000171913
4100	0.000199601	0.000183508	0.000394013	0.000207761	0.000151967	0.000193753	0.000179807	0.000335198	0.000207761	0.000157006
4101	0.000189766	0.000174731	0.000371397	0.000195556	0.000138392	0.000183519	0.000170498	0.000315574	0.000195556	0.0001438
4102	0.0001728	0.000159792	0.00032994	0.000174161	0.000126151	0.000165908	0.000154622	0.000280368	0.000174161	0.000131882
4103	0.000152331	0.000140763	0.000292083	0.000154016	0.000120824	0.000146556	0.000136487	0.00024868	0.000154016	0.000126187
4104	0.000137751	0.00012705	0.000267024	0.00014116	0.00011607	0.000133383	0.000124015	0.000228389	0.00014116	0.000121119
4105	0.000117871	0.000108503	0.000231035	0.000122157	0.000119916	0.000114821	0.000106568	0.000198525	0.000122157	0.00012525
4106	0.000110961	0.000102062	0.000218464	0.000115893	0.000123238	0.000108488	0.000100625	0.000188238	0.000115893	0.000128815
4107	0.000105938	9.74929E-05	0.000207959	0.000110809	0.000131977	0.000103639	9.61735E-05	0.000179361	0.000110809	0.000138178
4108	0.000105548	9.71889E-05	0.000206524	0.000110495	0.00014475	0.000103266	9.58804E-05	0.000178176	0.000110495	0.00015186
4109	0.000114072	0.000104976	0.000223951	0.000119544	0.000158199	0.000111628	0.000103597	0.000193081	0.000119544	0.000166257
4110	0.000126138	0.000116013	0.00024845	0.000132101	0.000166577	0.000123368	0.000114439	0.000213927	0.000132101	0.000175312
4111	0.000137662	0.000126192	0.000276228	0.000146124	0.000215532	0.000135153	0.000125076	0.000237359	0.000146124	0.000219753
4112	0.00013929	0.000127391	0.000283039	0.000149831	0.000219276	0.000137267	0.000126848	0.000242938	0.000149831	0.000223848
4113	0.000141947	0.000129904	0.000287432	0.000152361	0.00022265	0.000139728	0.000129194	0.000246568	0.000152361	0.000227426
4114	0.000151793	0.000138825	0.000308455	0.00016293	0.000224771	0.000149464	0.000138112	0.000264601	0.00016293	0.000229677
4115	0.000166583	0.000152157	0.000340843	0.000179194	0.000228492	0.000164261	0.000151612	0.000292552	0.000179194	0.000233643
4116	0.000185235	0.000168882	0.00038279	0.000200567	0.000223273	0.000183275	0.000168896	0.000329116	0.000200567	0.000229362
4117	0.000192785	0.000175688	0.000399327	0.000209126	0.000222498	0.00019092	0.000175877	0.000343499	0.000209126	0.000228541
4118	0.000194604	0.000177304	0.0004036	0.000211643	0.000214712	0.000192936	0.000177706	0.000347408	0.000211643	0.000220201
4119	0.000193393	0.000176317	0.000399681	0.000210375	0.000208562	0.000191696	0.000176673	0.000344061	0.000210375	0.000212332
4120	0.000209675	0.000191017	0.000435069	0.00022841	0.000195937	0.000208021	0.000191591	0.000374659	0.00022841	0.000198839
4121	0.000219236	0.000199685	0.000455414	0.000238757	0.000187902	0.000217503	0.000200283	0.000392147	0.000238757	0.000190266
4122	0.000214345	0.00019574	0.000439106	0.000230784	0.000183745	0.000211456	0.000195135	0.000376983	0.000230784	0.000185848
4123	0.000206982	0.000189801	0.000414539	0.000218236	0.000167872	0.000202157	0.000187195	0.000353906	0.000218236	0.000171525
4124	0.000196656	0.000180855	0.000387545	0.000204441	0.00015163	0.000190777	0.000177091	0.000329581	0.000204441	0.000156652
4125	0.000188647	0.000173981	0.000365819	0.000192796	0.000138196	0.000181911	0.000169209	0.000310737	0.000192796	0.000143596
4126	0.000170901	0.000158085	0.000325735	0.000172019	0.000125945	0.000163987	0.000152872	0.000276716	0.000172019	0.000131667
4127	0.000150524	0.000139142	0.000288028	0.000151975	0.000120692	0.000144725	0.000134823	0.000245158	0.000151975	0.000126052
4128	0.000136301	0.000125736	0.000263929	0.000139529	0.00011585	0.000131923	0.000122676	0.000225703	0.000139529	0.000120888
4129	0.000117871	0.000108503	0.000231035	0.000122157	0.000119916	0.000114821	0.000106568	0.000198525	0.000122157	0.00012525
4130	0.000110961	0.000102062	0.000218464	0.000115893	0.000123238	0.000108488	0.000100625	0.000188238	0.000115893	0.000128815
4131	0.000105938	9.74929E-05	0.000207959	0.000110809	0.000131977	0.000103639	9.61735E-05	0.000179361	0.000110809	0.000138178
4132	0.000105548	9.71889E-05	0.000206524	0.000110495	0.00014475	0.000103266	9.58804E-05	0.000178176	0.000110495	0.00015186
4133	0.000114072	0.000104976	0.000223951	0.000119544	0.000158199	0.000111628	0.000103597	0.000193081	0.000119544	0.000166257
4134	0.000126138	0.000116013	0.00024845	0.000132101	0.000166577	0.000123368	0.000114439	0.000213927	0.000132101	0.000175312
4135	0.000137662	0.000126192	0.000276228	0.000146124	0.000215532	0.000135153	0.000125076	0.000237359	0.000146124	0.000219753
4136	0.00013929	0.000127391	0.000283039	0.000149831	0.000219276	0.000137267	0.000126848	0.000242938	0.000149831	0.000223848
4137	0.000141947	0.000129904	0.000287432	0.000152361	0.00022265	0.000139728	0.000129194	0.000246568	0.000152361	0.000227426
4138	0.000151793	0.000138825	0.000308455	0.00016293	0.000224771	0.000149464	0.000138112	0.000264601	0.00016293	0.000229677
4139	0.000166583	0.000152157	0.000340843	0.000179194	0.000228492	0.000164261	0.000151612	0.000292552	0.000179194	0.000233643
4140	0.000185235	0.000168882	0.00038279	0.000200567	0.000223273	0.000183275	0.000168896	0.000329116	0.000200567	0.000229362
4141	0.000192785	0.000175688	0.000399327	0.000209126	0.000222498	0.00019092	0.000175877	0.000343499	0.000209126	0.000228541
4142	0.000194604	0.000177304	0.0004036	0.000211643	0.000214712	0.000192936	0.000177706	0.000347408	0.000211643	0.000220201
4143	0.000193393	0.000176317	0.000399681	0.000210375	0.000208562	0.000191696	0.000176673	0.000344061	0.000210375	0.000212332
4144	0.000209675	0.000191017	0.000435069	0.00022841	0.000195937	0.000208021	0.000191591	0.000374659	0.00022841	0.000198839
4145	0.000219236	0.000199685	0.000455414	0.000238757	0.000187902	0.000217503	0.000200283	0.000392147	0.000238757	0.000190266
4146	0.000214345	0.00019574	0.000439106	0.000230784	0.000183745	0.000211456	0.000195135	0.000376983	0.000230784	0.000185848
4147	0.000206982	0.000189801	0.000414539	0.000218236	0.000167872	0.000202157	0.000187195	0.000353906	0.000218236	0.000171525
4148	0.000196656	0.000180855	0.000387545	0.000204441	0.00015163	0.000190777	0.000177091	0.000329581	0.000204441	0.000156652
4149	0.000188647	0.000173981	0.000365819	0.000192796	0.000138196	0.000181911	0.000169209	0.000310737	0.000192796	0.000143596
4150	0.000170901	0.000158085	0.000325735	0.000172019	0.000125945	0.000163987	0.000152872	0.000276716	0.000172019	0.000131667
4151	0.000150524	0.000139142	0.000288028	0.000151975	0.000120692	0.000144725	0.000134823	0.000245158	0.000151975	0.000126052
4152	0.000136301	0.000125736	0.000263929	0.000139529	0.00011585	0.000131923	0.000122676	0.000225703	0.000139529	0.000120888
4153	0.000117871	0.000108503	0.000231035	0.000122157	0.000119916	0.000114821	0.000106568	0.000198525	0.000122157	0.00012525
4154	0.000110961	0.000102062	0.000218464	0.000115893	0.000123238	0.000108488	0.000100625	0.000188238	0.000115893	0.000128815
4155	0.000105938	9.74929E-05	0.000207959	0.000110809	0.000131977	0.000103639	9.61735E-05	0.000179361	0.000110809	0.000138178
4156	0.000105548	9.71889E-05	0.000206524	0.000110495	0.00014475	0.000103266	9.58804E-05	0.000178176	0.000110495	0.00015186
4157	0.000114072	0.000104976	0.000223951	0.000119544	0.000158199	0.000111628	0.000103597	0.000193081	0.000119544	0.000166257
4158	0.000126138	0.000116013	0.00024845	0.000132101	0.000166577	0.000123368	0.000114439	0.000213927	0.000132101	0.000175312
4159	0.000137662	0.000126192	0.000276228	0.000146124	0.000215532	0.000135153	0.000125076	0.000237359	0.000146124	0.000219753
4160	0.00013929	0.000127391	0.000283039	0.000149831	0.000219276	0.000137267	0.000126848	0.000242938	0.000149831	0.000223848
4161	0.000141947	0.000129904	0.000287432	0.000152361	0.00022265	0.000139728	0.000129194	0.000246568	0.000152361	0.000227426
4162	0.000151793	0.000138825	0.000308455	0.00016293	0.000224771	0.000149464	0.000138112	0.000264601	0.00016293	0.000229677
4163	0.000166583	0.000152157	0.000340843	0.000179194	0.000228492	0.000164261	0.000151612	0.000292552	0.000179194	0.000233643
4164	0.000185235	0.000168882	0.00038279	0.000200567	0.000223273	0.000183275	0.000168896	0.000329116	0.000200567	0.000229362
4165	0.000192785	0.000175688	0.000399327	0.000209126	0.000222498	0.00019092	0.000175877	0.000343499	0.000209126	0.000228541
4166	0.000194604	0.000177304	0.0004036	0.000211643	0.000214712	0.000192936	0.000177706	0.000347408	0.000211643	0.000220201
4167	0.000193393	0.000176317	0.000399681	0.000210375	0.000208562	0.000191696	0.000176673	0.000344061	0.000210375	0.000212332
4168	0.000209675	0.000191017	0.000435069	0.00022841	0.000195937	0.000208021	0.000191591	0.000374659	0.00022841	0.000198839
4169	0.000219236	0.000199685	0.000455414	0.000238757	0.000187902	0.000217503	0.000200283	0.000392147	0.000238757	0.000190266
4170	0.000214345	0.00019574	0.000439106	0.000230784	0.000183745	0.000211456	0.000195135	0.000376983	0.000230784	0.000185848
4171	0.000206982	0.000189801	0.000414539	0.000218236	0.000167872	0.000202157	0.000187195	0.000353906	0.000218236	0.000171525

4172	0.000196656	0.000180855	0.000387545	0.000204441	0.00015163	0.000190777	0.000177091	0.000329581	0.000204441	0.000156652
4173	0.000188647	0.000173981	0.000365819	0.000192796	0.000138196	0.000181911	0.000169209	0.000310737	0.000192796	0.000143596
4174	0.000170901	0.000158085	0.000325735	0.000172019	0.000125945	0.000163987	0.000152872	0.000276716	0.000172019	0.000131667
4175	0.000150524	0.000139142	0.000288028	0.000151975	0.000120692	0.000144725	0.000134823	0.000245158	0.000151975	0.000126052
4176	0.000136301	0.000125736	0.000263929	0.000139529	0.00011585	0.000131923	0.000122676	0.000225703	0.000139529	0.000120888
4177	0.000117871	0.000108503	0.000231035	0.000122157	0.000119916	0.000114821	0.000106568	0.000198525	0.000122157	0.00012525
4178	0.000110961	0.000102062	0.000218464	0.000115893	0.000123238	0.000108488	0.000100625	0.000188238	0.000115893	0.000128815
4179	0.000105938	9.74929E-05	0.000207959	0.000110809	0.000131977	0.000103639	9.61735E-05	0.000179361	0.000110809	0.000138178
4180	0.000105548	9.71889E-05	0.000206524	0.000110495	0.00014475	0.000103266	9.58804E-05	0.000178176	0.000110495	0.00015186
4181	0.000114072	0.000104976	0.000223951	0.000119544	0.000158199	0.000111628	0.000103597	0.000193081	0.000119544	0.000166257
4182	0.000126138	0.000116013	0.00024845	0.000132101	0.000166577	0.000123368	0.000114439	0.000213927	0.000132101	0.000175312
4183	0.000137662	0.000126192	0.000276228	0.000146124	0.000215532	0.000135153	0.000125076	0.000237359	0.000146124	0.000219753
4184	0.00013929	0.000127391	0.000283039	0.000149831	0.000219276	0.000137267	0.000126848	0.000242938	0.000149831	0.000223848
4185	0.000141947	0.000129904	0.000287432	0.000152361	0.00022265	0.000139728	0.000129194	0.000246568	0.000152361	0.000227426
4186	0.000151793	0.000138825	0.000308455	0.00016293	0.000224771	0.000149464	0.000138112	0.000264601	0.00016293	0.000229677
4187	0.000166583	0.000152157	0.000340843	0.000179194	0.000228492	0.000164261	0.000151612	0.000292552	0.000179194	0.000233643
4188	0.000185235	0.000168882	0.00038279	0.000200567	0.000223273	0.000183275	0.000168896	0.000329116	0.000200567	0.000229362
4189	0.000192785	0.000175688	0.000399327	0.000209126	0.000222498	0.00019092	0.000175877	0.000343499	0.000209126	0.000228541
4190	0.000194604	0.000177304	0.0004036	0.000211643	0.000214712	0.000192936	0.000177706	0.000347408	0.000211643	0.000220201
4191	0.000193393	0.000176317	0.000399681	0.000210375	0.000208562	0.000191696	0.000176673	0.000344061	0.000210375	0.000212332
4192	0.000209675	0.000191017	0.000435069	0.00022841	0.000195937	0.000208021	0.000191591	0.000374659	0.00022841	0.000198839
4193	0.000219236	0.000199685	0.000455414	0.000238757	0.000187902	0.000217503	0.000200283	0.000392147	0.000238757	0.000190266
4194	0.000214345	0.00019574	0.000439106	0.000230784	0.000183745	0.000211456	0.000195135	0.000376983	0.000230784	0.000185848
4195	0.000206982	0.000189801	0.000414539	0.000218236	0.000167872	0.000202157	0.000187195	0.000353906	0.000218236	0.000171525
4196	0.000196656	0.000180855	0.000387545	0.000204441	0.00015163	0.000190777	0.000177091	0.000329581	0.000204441	0.000156652
4197	0.000188647	0.000173981	0.000365819	0.000192796	0.000138196	0.000181911	0.000169209	0.000310737	0.000192796	0.000143596
4198	0.000170901	0.000158085	0.000325735	0.000172019	0.000125945	0.000163987	0.000152872	0.000276716	0.000172019	0.000131667
4199	0.000150524	0.000139142	0.000288028	0.000151975	0.000120692	0.000144725	0.000134823	0.000245158	0.000151975	0.000126052
4200	0.000136301	0.000125736	0.000263929	0.000139529	0.00011585	0.000131923	0.000122676	0.000225703	0.000139529	0.000120888
4201	0.000117871	0.000108503	0.000231035	0.000122157	0.000119916	0.000114821	0.000106568	0.000198525	0.000122157	0.00012525
4202	0.000110961	0.000102062	0.000218464	0.000115893	0.000123238	0.000108488	0.000100625	0.000188238	0.000115893	0.000128815
4203	0.000105938	9.74929E-05	0.000207959	0.000110809	0.000131977	0.000103639	9.61735E-05	0.000179361	0.000110809	0.000138178
4204	0.000105548	9.71889E-05	0.000206524	0.000110495	0.00014475	0.000103266	9.58804E-05	0.000178176	0.000110495	0.00015186
4205	0.000114072	0.000104976	0.000223951	0.000119544	0.000158199	0.000111628	0.000103597	0.000193081	0.000119544	0.000166257
4206	0.000126138	0.000116013	0.00024845	0.000132101	0.000166577	0.000123368	0.000114439	0.000213927	0.000132101	0.000175312
4207	0.000137662	0.000126192	0.000276228	0.000146124	0.000215532	0.000135153	0.000125076	0.000237359	0.000146124	0.000219753
4208	0.00013929	0.000127391	0.000283039	0.000149831	0.000219276	0.000137267	0.000126848	0.000242938	0.000149831	0.000223848
4209	0.000141947	0.000129904	0.000287432	0.000152361	0.00022265	0.000139728	0.000129194	0.000246568	0.000152361	0.000227426
4210	0.000151793	0.000138825	0.000308455	0.00016293	0.000224771	0.000149464	0.000138112	0.000264601	0.00016293	0.000229677
4211	0.000166583	0.000152157	0.000340843	0.000179194	0.000228492	0.000164261	0.000151612	0.000292552	0.000179194	0.000233643
4212	0.000185235	0.000168882	0.00038279	0.000200567	0.000223273	0.000183275	0.000168896	0.000329116	0.000200567	0.000229362
4213	0.000192785	0.000175688	0.000399327	0.000209126	0.000222498	0.00019092	0.000175877	0.000343499	0.000209126	0.000228541
4214	0.000194604	0.000177304	0.0004036	0.000211643	0.000214712	0.000192936	0.000177706	0.000347408	0.000211643	0.000220201
4215	0.000193393	0.000176317	0.000399681	0.000210375	0.000208562	0.000191696	0.000176673	0.000344061	0.000210375	0.000212332
4216	0.000209675	0.000191017	0.000435069	0.00022841	0.000195937	0.000208021	0.000191591	0.000374659	0.00022841	0.000198839
4217	0.000219236	0.000199685	0.000455414	0.000238757	0.000187902	0.000217503	0.000200283	0.000392147	0.000238757	0.000190266
4218	0.000214345	0.00019574	0.000439106	0.000230784	0.000183745	0.000211456	0.000195135	0.000376983	0.000230784	0.000185848
4219	0.000206982	0.000189801	0.000414539	0.000218236	0.000167872	0.000202157	0.000187195	0.000353906	0.000218236	0.000171525
4220	0.000196656	0.000180855	0.000387545	0.000204441	0.00015163	0.000190777	0.000177091	0.000329581	0.000204441	0.000156652
4221	0.000188647	0.000173981	0.000365819	0.000192796	0.000138196	0.000181911	0.000169209	0.000310737	0.000192796	0.000143596
4222	0.000170901	0.000158085	0.000325735	0.000172019	0.000125945	0.000163987	0.000152872	0.000276716	0.000172019	0.000131667
4223	0.000150524	0.000139142	0.000288028	0.000151975	0.000120692	0.000144725	0.000134823	0.000245158	0.000151975	0.000126052
4224	0.000136301	0.000125736	0.000263929	0.000139529	0.00011585	0.000131923	0.000122676	0.000225703	0.000139529	0.000120888
4225	0.00011809	0.000108694	0.000231591	0.000122407	0.000119887	0.000115046	0.000106768	0.000199008	0.000122407	0.000125218
4226	0.000111057	0.000102144	0.000218727	0.000116004	0.000123147	0.000108588	0.000100712	0.000188467	0.000116004	0.000128717
4227	0.000106009	9.7554E-05	0.000208144	0.000110889	0.000131807	0.000103712	9.62378E-05	0.000179521	0.000110889	0.000137994
4228	0.000105508	9.71503E-05	0.00020647	0.000110452	0.000144629	0.000103228	9.58429E-05	0.000178129	0.000110452	0.00015173
4229	0.000113929	0.000104845	0.000223669	0.000119384	0.000157982	0.000111486	0.000103465	0.000192837	0.000119384	0.000166022
4230	0.000125705	0.000115627	0.000247453	0.000131611	0.000166313	0.000122928	0.000114041	0.000213061	0.000131611	0.000175024
4231	0.000139009	0.000127665	0.00027605	0.000146142	0.000215354	0.000136036	0.00012606	0.000237211	0.000146142	0.000219557
4232	0.000139174	0.000127288	0.000282769	0.0001497	0.000219107	0.00013715	0.000126742	0.000242704	0.0001497	0.000223659
4233	0.000142023	0.000129969	0.000287644	0.000152448	0.000222549	0.000139807	0.000129263	0.000246753	0.000152448	0.00022731
4234	0.000152836	0.000139758	0.000310818	0.000164108	0.000224772	0.000150522	0.000139072	0.000266654	0.000164108	0.00022967
4235	0.000168291	0.000153693	0.000344645	0.000181122	0.000228737	0.000165991	0.000153187	0.000295854	0.000181122	0.000233897
4236	0.000187143	0.000170605	0.000386929	0.000202715	0.000223522	0.0001852	0.000170656	0.000332711	0.000202715	0.000229621
4237	0.000194559	0.000177293	0.000403142	0.000211123	0.000222663	0.000192709	0.000177515	0.000346811	0.000211123	0.00022871
4238	0.000197761	0.000180153	0.000410474	0.000215199	0.000214792	0.000196123	0.000180618	0.000353377	0.000215199	0.000220278
4239	0.000196527	0.000179148	0.000406473	0.000213904	0.000208554	0.000194857	0.000179565	0.000349959	0.000213904	0.000212314
4240	0.00021311	0.000194122	0.000442493	0.000232278	0.000196235	0.000211486	0.000194762	0.000381104	0.000232278	0.000199149
4241	0.000223437	0.000203474	0.000464599	0.000243492	0.000188209	0.000221746	0.000204159	0.000400123	0.000243492	0.000190586
4242	0.00021832	0.000199323	0.000447804	0.000235263	0.000184167	0.00021547	0.000198801	0.000384536	0.000235263	0.000186293
4243	0.000210452	0.000192927	0.000422164	0.000222148	0.00016824	0.000205664	0.000190395	0.000360528	0.000222148	0.000171913
4244	0.000199601	0.000183508	0.000394013	0.000207761	0.000151967	0.000193753	0.000179807	0.000335198	0.000207761	0.000157006
4245	0.000189766	0.000174731	0.000371397	0.000195556	0.000138392	0.000183519	0.000170498	0.000315574	0.000195556	0.0001438
4246	0.0001728	0.000159792	0.00032994	0.000174161	0.000126151	0.000165908	0.000154622	0.000280368	0.000174161	0.000131882
4247	0.000152331	0.000140763	0.000292083	0.000154016	0.000120824	0.000146556	0.000136487	0.00024868	0.000154016	0.000126187

4248	0.000137751	0.00012705	0.000267024	0.00014116	0.00011607	0.000133383	0.000124015	0.000228389	0.00014116	0.000121119
4249	0.00011809	0.000108694	0.000231591	0.000122407	0.000119887	0.000115046	0.000106768	0.000199008	0.000122407	0.000125218
4250	0.000111057	0.000102144	0.000218727	0.000116004	0.000123147	0.000108588	0.000100712	0.000188467	0.000116004	0.000128717
4251	0.000106009	9.7554E-05	0.000208144	0.000110889	0.000131807	0.000103712	9.62378E-05	0.000179521	0.000110889	0.000137994
4252	0.000105508	9.71503E-05	0.00020647	0.000110452	0.000144629	0.000103228	9.58429E-05	0.000178129	0.000110452	0.00015173
4253	0.000113929	0.000104845	0.000223669	0.000119384	0.000157982	0.000111486	0.000103465	0.000192837	0.000119384	0.000166022
4254	0.000125705	0.000115627	0.000247453	0.000131611	0.000166313	0.000122928	0.000114041	0.000213061	0.000131611	0.000175024
4255	0.000139009	0.000127665	0.00027605	0.000146142	0.000215354	0.000136036	0.00012606	0.000237211	0.000146142	0.000219557
4256	0.000139174	0.000127288	0.000282769	0.0001497	0.000219107	0.00013715	0.000126742	0.000242704	0.0001497	0.000223659
4257	0.000142023	0.000129969	0.000287644	0.000152448	0.000222549	0.000139807	0.000129263	0.000246753	0.000152448	0.00022731
4258	0.000152836	0.000139758	0.000310818	0.000164108	0.000224772	0.000150522	0.000139072	0.000266654	0.000164108	0.00022967
4259	0.000168291	0.000153693	0.000344645	0.000181122	0.000228737	0.000165991	0.000153187	0.000295854	0.000181122	0.000233897
4260	0.000187143	0.000170605	0.000386929	0.000202715	0.000223522	0.0001852	0.000170656	0.000332711	0.000202715	0.000229621
4261	0.000194559	0.000177293	0.000403142	0.000211123	0.000222663	0.000192709	0.000177515	0.000346811	0.000211123	0.00022871
4262	0.000197761	0.000180153	0.000410474	0.000215199	0.000214792	0.000196123	0.000180618	0.000353377	0.000215199	0.000220278
4263	0.000196527	0.000179148	0.000406473	0.000213904	0.000208554	0.000194857	0.000179565	0.000349959	0.000213904	0.000212314
4264	0.00021311	0.000194122	0.000442493	0.000232278	0.000196235	0.000211486	0.000194762	0.000381104	0.000232278	0.000199149
4265	0.000223437	0.000203474	0.000464599	0.000243492	0.000188209	0.000221746	0.000204159	0.000400123	0.000243492	0.000190586
4266	0.00021832	0.000199323	0.000447804	0.000235263	0.000184167	0.00021547	0.000198801	0.000384536	0.000235263	0.000186293
4267	0.000210452	0.000192927	0.000422164	0.000222148	0.00016824	0.000205664	0.000190395	0.000360528	0.000222148	0.000171913
4268	0.000199601	0.000183508	0.000394013	0.000207761	0.000151967	0.000193753	0.000179807	0.000335198	0.000207761	0.000157006
4269	0.000189766	0.000174731	0.000371397	0.000195556	0.000138392	0.000183519	0.000170498	0.000315574	0.000195556	0.0001438
4270	0.0001728	0.000159792	0.00032994	0.000174161	0.000126151	0.000165908	0.000154622	0.000280368	0.000174161	0.000131882
4271	0.000152331	0.000140763	0.000292083	0.000154016	0.000120824	0.000146556	0.000136487	0.00024868	0.000154016	0.000126187
4272	0.000137751	0.00012705	0.000267024	0.00014116	0.00011607	0.000133383	0.000124015	0.000228389	0.00014116	0.000121119
4273	0.000117871	0.000108503	0.000231035	0.000122157	0.000119916	0.000114821	0.000106568	0.000198525	0.000122157	0.00012525
4274	0.000110961	0.000102062	0.000218464	0.000115893	0.000123238	0.000108488	0.000100625	0.000188238	0.000115893	0.000128815
4275	0.000105938	9.74929E-05	0.000207959	0.000110809	0.000131977	0.000103639	9.61735E-05	0.000179361	0.000110809	0.000138178
4276	0.000105548	9.71889E-05	0.000206524	0.000110495	0.00014475	0.000103266	9.58804E-05	0.000178176	0.000110495	0.00015186
4277	0.000114072	0.000104976	0.000223951	0.000119544	0.000158199	0.000111628	0.000103597	0.000193081	0.000119544	0.000166257
4278	0.000126138	0.000116013	0.00024845	0.000132101	0.000166577	0.000123368	0.000114439	0.000213927	0.000132101	0.000175312
4279	0.000137662	0.000126192	0.000276228	0.000146124	0.000215532	0.000135153	0.000125076	0.000237359	0.000146124	0.000219753
4280	0.00013929	0.000127391	0.000283039	0.000149831	0.000219276	0.000137267	0.000126848	0.000242938	0.000149831	0.000223848
4281	0.000141947	0.000129904	0.000287432	0.000152361	0.00022265	0.000139728	0.000129194	0.000246568	0.000152361	0.000227426
4282	0.000151793	0.000138825	0.000308455	0.00016293	0.000224771	0.000149464	0.000138112	0.000264601	0.00016293	0.000229677
4283	0.000166583	0.000152157	0.000340843	0.000179194	0.000228492	0.000164261	0.000151612	0.000292552	0.000179194	0.000233643
4284	0.000185235	0.000168882	0.00038279	0.000200567	0.000223273	0.000183275	0.000168896	0.000329116	0.000200567	0.000229362
4285	0.000192785	0.000175688	0.000399327	0.000209126	0.000222498	0.00019092	0.000175877	0.000343499	0.000209126	0.000228541
4286	0.000194604	0.000177304	0.0004036	0.000211643	0.000214712	0.000192936	0.000177706	0.000347408	0.000211643	0.000220201
4287	0.000193393	0.000176317	0.000399681	0.000210375	0.000208562	0.000191696	0.000176673	0.000344061	0.000210375	0.000212332
4288	0.000209675	0.000191017	0.000435069	0.00022841	0.000195937	0.000208021	0.000191591	0.000374659	0.00022841	0.000198839
4289	0.000219236	0.000199685	0.000455414	0.000238757	0.000187902	0.000217503	0.000200283	0.000392147	0.000238757	0.000190266
4290	0.000214345	0.00019574	0.000439106	0.000230784	0.000183745	0.000211456	0.000195135	0.000376983	0.000230784	0.000185848
4291	0.000206982	0.000189801	0.000414539	0.000218236	0.000167872	0.000202157	0.000187195	0.000353906	0.000218236	0.000171525
4292	0.000196656	0.000180855	0.000387545	0.000204441	0.00015163	0.000190777	0.000177091	0.000329581	0.000204441	0.000156652
4293	0.000188647	0.000173981	0.000365819	0.000192796	0.000138196	0.000181911	0.000169209	0.000310737	0.000192796	0.000143596
4294	0.000170901	0.000158085	0.000325735	0.000172019	0.000125945	0.000163987	0.000152872	0.000276716	0.000172019	0.000131667
4295	0.000150524	0.000139142	0.000288028	0.000151975	0.000120692	0.000144725	0.000134823	0.000245158	0.000151975	0.000126052
4296	0.000136301	0.000125736	0.000263929	0.000139529	0.00011585	0.000131923	0.000122676	0.000225703	0.000139529	0.000120888
4297	0.000117871	0.000108503	0.000231035	0.000122157	0.000119916	0.000114821	0.000106568	0.000198525	0.000122157	0.00012525
4298	0.000110961	0.000102062	0.000218464	0.000115893	0.000123238	0.000108488	0.000100625	0.000188238	0.000115893	0.000128815
4299	0.000105938	9.74929E-05	0.000207959	0.000110809	0.000131977	0.000103639	9.61735E-05	0.000179361	0.000110809	0.000138178
4300	0.000105548	9.71889E-05	0.000206524	0.000110495	0.00014475	0.000103266	9.58804E-05	0.000178176	0.000110495	0.00015186
4301	0.000114072	0.000104976	0.000223951	0.000119544	0.000158199	0.000111628	0.000103597	0.000193081	0.000119544	0.000166257
4302	0.000126138	0.000116013	0.00024845	0.000132101	0.000166577	0.000123368	0.000114439	0.000213927	0.000132101	0.000175312
4303	0.000137662	0.000126192	0.000276228	0.000146124	0.000215532	0.000135153	0.000125076	0.000237359	0.000146124	0.000219753
4304	0.00013929	0.000127391	0.000283039	0.000149831	0.000219276	0.000137267	0.000126848	0.000242938	0.000149831	0.000223848
4305	0.000141947	0.000129904	0.000287432	0.000152361	0.00022265	0.000139728	0.000129194	0.000246568	0.000152361	0.000227426
4306	0.000151793	0.000138825	0.000308455	0.00016293	0.000224771	0.000149464	0.000138112	0.000264601	0.00016293	0.000229677
4307	0.000166583	0.000152157	0.000340843	0.000179194	0.000228492	0.000164261	0.000151612	0.000292552	0.000179194	0.000233643
4308	0.000185235	0.000168882	0.00038279	0.000200567	0.000223273	0.000183275	0.000168896	0.000329116	0.000200567	0.000229362
4309	0.000192785	0.000175688	0.000399327	0.000209126	0.000222498	0.00019092	0.000175877	0.000343499	0.000209126	0.000228541
4310	0.000194604	0.000177304	0.0004036	0.000211643	0.000214712	0.000192936	0.000177706	0.000347408	0.000211643	0.000220201
4311	0.000193393	0.000176317	0.000399681	0.000210375	0.000208562	0.000191696	0.000176673	0.000344061	0.000210375	0.000212332
4312	0.000209675	0.000191017	0.000435069	0.00022841	0.000195937	0.000208021	0.000191591	0.000374659	0.00022841	0.000198839
4313	0.000219236	0.000199685	0.000455414	0.000238757	0.000187902	0.000217503	0.000200283	0.000392147	0.000238757	0.000190266
4314	0.000214345	0.00019574	0.000439106	0.000230784	0.000183745	0.000211456	0.000195135	0.000376983	0.000230784	0.000185848
4315	0.000206982	0.000189801	0.000414539	0.000218236	0.000167872	0.000202157	0.000187195	0.000353906	0.000218236	0.000171525
4316	0.000196656	0.000180855	0.000387545	0.000204441	0.00015163	0.000190777	0.000177091	0.000329581	0.000204441	0.000156652
4317	0.000188647	0.000173981	0.000365819	0.000192796	0.000138196	0.000181911	0.000169209	0.000310737	0.000192796	0.000143596
4318	0.000170901	0.000158085	0.000325735	0.000172019	0.000125945	0.000163987	0.000152872	0.000276716	0.000172019	0.000131667
4319	0.000150524	0.000139142	0.000288028	0.000151975	0.000120692	0.000144725	0.000134823	0.000245158	0.000151975	0.000126052
4320	0.000136301	0.000125736	0.000263929	0.000139529	0.00011585	0.000131923	0.000122676	0.000225703	0.000139529	0.000120888
4321	0.000117871	0.000108503	0.000231035	0.000122157	0.000119916	0.000114821	0.000106568	0.000198525	0.000122157	0.00012525
4322	0.000110961	0.000102062	0.000218464	0.000115893	0.000123238	0.000108488	0.000100625	0.000188238	0.000115893	0.000128815
4323	0.000105938	9.74929E-05	0.000207959	0.000110809	0.000131977	0.000103639	9.61735E-05	0.000179361	0.000110809	0.000138178

4324	0.000105548	9.71889E-05	0.000206524	0.000110495	0.00014475	0.000103266	9.58804E-05	0.000178176	0.000110495	0.00015186
4325	0.000114072	0.000104976	0.000223951	0.000119544	0.000158199	0.000111628	0.000103597	0.000193081	0.000119544	0.000166257
4326	0.000126138	0.000116013	0.00024845	0.000132101	0.000166577	0.000123368	0.000114439	0.000213927	0.000132101	0.000175312
4327	0.000137662	0.000126192	0.000276228	0.000146124	0.000215532	0.000135153	0.000125076	0.000237359	0.000146124	0.000219753
4328	0.00013929	0.000127391	0.000283039	0.000149831	0.000219276	0.000137267	0.000126848	0.000242938	0.000149831	0.000223848
4329	0.000141947	0.000129904	0.000287432	0.000152361	0.00022265	0.000139728	0.000129194	0.000246568	0.000152361	0.000227426
4330	0.000151793	0.000138825	0.000308455	0.00016293	0.000224771	0.000149464	0.000138112	0.000264601	0.00016293	0.000229677
4331	0.000166583	0.000152157	0.000340843	0.000179194	0.000228492	0.000164261	0.000151612	0.000292552	0.000179194	0.000233643
4332	0.000185235	0.000168882	0.00038279	0.000200567	0.000223273	0.000183275	0.000168896	0.000329116	0.000200567	0.000229362
4333	0.000192785	0.000175688	0.000399327	0.000209126	0.000222498	0.00019092	0.000175877	0.000343499	0.000209126	0.000228541
4334	0.000194604	0.000177304	0.0004036	0.000211643	0.000214712	0.000192936	0.000177706	0.000347408	0.000211643	0.000220201
4335	0.000193393	0.000176317	0.000399681	0.000210375	0.000208562	0.000191696	0.000176673	0.000344061	0.000210375	0.000212332
4336	0.000209675	0.000191017	0.000435069	0.00022841	0.000195937	0.000208021	0.000191591	0.000374659	0.00022841	0.000198839
4337	0.000219236	0.000199685	0.000455414	0.000238757	0.000187902	0.000217503	0.000200283	0.000392147	0.000238757	0.000190266
4338	0.000214345	0.00019574	0.000439106	0.000230784	0.000183745	0.000211456	0.000195135	0.000376983	0.000230784	0.000185848
4339	0.000206982	0.000189801	0.000414539	0.000218236	0.000167872	0.000202157	0.000187195	0.000353906	0.000218236	0.000171525
4340	0.000196656	0.000180855	0.000387545	0.000204441	0.00015163	0.000190777	0.000177091	0.000329581	0.000204441	0.000156652
4341	0.000188647	0.000173981	0.000365819	0.000192796	0.000138196	0.000181911	0.000169209	0.000310737	0.000192796	0.000143596
4342	0.000170901	0.000158085	0.000325735	0.000172019	0.000125945	0.000163987	0.000152872	0.000276716	0.000172019	0.000131667
4343	0.000150524	0.000139142	0.000288028	0.000151975	0.000120692	0.000144725	0.000134823	0.000245158	0.000151975	0.000126052
4344	0.000136301	0.000125736	0.000263929	0.000139529	0.00011585	0.000131923	0.000122676	0.000225703	0.000139529	0.000120888
4345	0.000117871	0.000108503	0.000231035	0.000122157	0.000119916	0.000114821	0.000106568	0.000198525	0.000122157	0.00012525
4346	0.000110961	0.000102062	0.000218464	0.000115893	0.000123238	0.000108488	0.000100625	0.000188238	0.000115893	0.000128815
4347	0.000105938	9.74929E-05	0.000207959	0.000110809	0.000131977	0.000103639	9.61735E-05	0.000179361	0.000110809	0.000138178
4348	0.000105548	9.71889E-05	0.000206524	0.000110495	0.00014475	0.000103266	9.58804E-05	0.000178176	0.000110495	0.00015186
4349	0.000114072	0.000104976	0.000223951	0.000119544	0.000158199	0.000111628	0.000103597	0.000193081	0.000119544	0.000166257
4350	0.000126138	0.000116013	0.00024845	0.000132101	0.000166577	0.000123368	0.000114439	0.000213927	0.000132101	0.000175312
4351	0.000137662	0.000126192	0.000276228	0.000146124	0.000215532	0.000135153	0.000125076	0.000237359	0.000146124	0.000219753
4352	0.00013929	0.000127391	0.000283039	0.000149831	0.000219276	0.000137267	0.000126848	0.000242938	0.000149831	0.000223848
4353	0.000141947	0.000129904	0.000287432	0.000152361	0.00022265	0.000139728	0.000129194	0.000246568	0.000152361	0.000227426
4354	0.000151793	0.000138825	0.000308455	0.00016293	0.000224771	0.000149464	0.000138112	0.000264601	0.00016293	0.000229677
4355	0.000166583	0.000152157	0.000340843	0.000179194	0.000228492	0.000164261	0.000151612	0.000292552	0.000179194	0.000233643
4356	0.000185235	0.000168882	0.00038279	0.000200567	0.000223273	0.000183275	0.000168896	0.000329116	0.000200567	0.000229362
4357	0.000192785	0.000175688	0.000399327	0.000209126	0.000222498	0.00019092	0.000175877	0.000343499	0.000209126	0.000228541
4358	0.000194604	0.000177304	0.0004036	0.000211643	0.000214712	0.000192936	0.000177706	0.000347408	0.000211643	0.000220201
4359	0.000193393	0.000176317	0.000399681	0.000210375	0.000208562	0.000191696	0.000176673	0.000344061	0.000210375	0.000212332
4360	0.000209675	0.000191017	0.000435069	0.00022841	0.000195937	0.000208021	0.000191591	0.000374659	0.00022841	0.000198839
4361	0.000219236	0.000199685	0.000455414	0.000238757	0.000187902	0.000217503	0.000200283	0.000392147	0.000238757	0.000190266
4362	0.000214345	0.00019574	0.000439106	0.000230784	0.000183745	0.000211456	0.000195135	0.000376983	0.000230784	0.000185848
4363	0.000206982	0.000189801	0.000414539	0.000218236	0.000167872	0.000202157	0.000187195	0.000353906	0.000218236	0.000171525
4364	0.000196656	0.000180855	0.000387545	0.000204441	0.00015163	0.000190777	0.000177091	0.000329581	0.000204441	0.000156652
4365	0.000188647	0.000173981	0.000365819	0.000192796	0.000138196	0.000181911	0.000169209	0.000310737	0.000192796	0.000143596
4366	0.000170901	0.000158085	0.000325735	0.000172019	0.000125945	0.000163987	0.000152872	0.000276716	0.000172019	0.000131667
4367	0.000150524	0.000139142	0.000288028	0.000151975	0.000120692	0.000144725	0.000134823	0.000245158	0.000151975	0.000126052
4368	0.000136301	0.000125736	0.000263929	0.000139529	0.00011585	0.000131923	0.000122676	0.000225703	0.000139529	0.000120888
4369	0.000139174	0.000127949	0.00027478	0.000146042	0.000126453	0.000136179	0.000126289	0.00023649	0.000146042	0.000132199
4370	0.000127611	0.000117318	0.000251963	0.000134531	0.000129848	0.000125142	0.000116055	0.000217307	0.000134531	0.000135844
4371	0.000121488	0.000111688	0.000239885	0.000128243	0.00013838	0.000119229	0.000110569	0.000207069	0.000128243	0.000144981
4372	0.000122528	0.000112596	0.000242509	0.000129581	0.000150193	0.000120353	0.000111572	0.000209416	0.000129581	0.000157617
4373	0.000126585	0.000116352	0.000250206	0.000133598	0.000163338	0.000124205	0.000115167	0.000215872	0.000133598	0.000171687
4374	0.000133525	0.00012292	0.000261644	0.000140299	0.000171694	0.000130663	0.000121326	0.000225363	0.000140299	0.000180738
4375	0.000147608	0.000135503	0.000293851	0.000157155	0.000221497	0.000144967	0.000134352	0.000252632	0.000157155	0.000226085
4376	0.000162098	0.000148264	0.000329213	0.000175374	0.000224693	0.000160097	0.000147978	0.000283007	0.000175374	0.000229594
4377	0.000176992	0.000161795	0.000360571	0.000191702	0.000227477	0.000174929	0.000161606	0.000310054	0.000191702	0.000232551
4378	0.000192441	0.000175831	0.00039309	0.000208553	0.000229188	0.000190282	0.000175711	0.000338065	0.000208553	0.000234369
4379	0.00020669	0.000188714	0.000423855	0.00022419	0.000229582	0.000204509	0.000188724	0.000364603	0.00022419	0.000234777
4380	0.000220356	0.000200973	0.000454518	0.000239926	0.000222743	0.000218464	0.000201417	0.000391366	0.000239926	0.000228757
4381	0.000234098	0.000213386	0.000484306	0.000255451	0.000221639	0.000232347	0.000214116	0.000417253	0.000255451	0.000227581
4382	0.000246681	0.000224726	0.0005119	0.000270088	0.000216311	0.000245224	0.00022588	0.000441412	0.000270088	0.000221905
4383	0.000261035	0.000237577	0.000544414	0.000286464	0.000214145	0.00025984	0.000239146	0.00046972	0.000286464	0.000218285
4384	0.000272319	0.000247775	0.000568823	0.000298866	0.00020462	0.000271115	0.000249456	0.000490783	0.000298866	0.00020811
4385	0.000281032	0.000255712	0.000586905	0.000308239	0.000198368	0.000279716	0.000257375	0.000506303	0.000308239	0.000201452
4386	0.00027553	0.00025112	0.000570409	0.000299626	0.000195221	0.000273116	0.000251635	0.000490984	0.000299626	0.000198123
4387	0.000263583	0.000240915	0.000537425	0.000281982	0.000179539	0.000259278	0.000239427	0.00046061	0.000281982	0.000184003
4388	0.000246565	0.00022585	0.000496813	0.00026069	0.000164424	0.000241196	0.000223126	0.000424467	0.00026069	0.000170336
4389	0.000229472	0.000210933	0.000453435	0.00023873	0.000150988	0.000223054	0.000206908	0.000386808	0.00023873	0.000157278
4390	0.000207078	0.000190867	0.000402911	0.000212703	0.000140841	0.000200419	0.00018629	0.000343719	0.000212703	0.000147608
4391	0.000178572	0.000164573	0.000347685	0.00018351	0.000134346	0.000172961	0.000160736	0.00029695	0.00018351	0.000140666
4392	0.000155243	0.000142935	0.000303932	0.000160814	0.000130186	0.000150975	0.000140183	0.000260429	0.000160814	0.000136219
4393	0.00013978	0.000128492	0.000276142	0.000146727	0.000125818	0.000136793	0.000126846	0.000237674	0.000146727	0.000131521
4394	0.000127749	0.000117442	0.000252269	0.000134687	0.000129764	0.000125282	0.000116182	0.000217573	0.000134687	0.000135754
4395	0.000121538	0.000111736	0.000239948	0.000128297	0.000138297	0.000119277	0.000110616	0.000207123	0.000128297	0.000144891
4396	0.000123029	0.000113051	0.000243568	0.000130144	0.000150027	0.000120857	0.000112035	0.000210335	0.000130144	0.000157439
4397	0.000127073	0.0001168	0.000251176	0.000134143	0.000163344	0.000124693	0.000115619	0.000216714	0.000134143	0.000171693
4398	0.000134257	0.000123587	0.000263156	0.000141119	0.000171799	0.000131397	0.000122003	0.000226674	0.000141119	0.000180851
4399	0.000149807	0.000137742	0.000295556	0.000158134	0.000221513	0.000146712	0.000136121	0.000254119	0.000158134	0.0002261

4400	0.00016196	0.000148145	0.000328853	0.000175217	0.000224696	0.000159954	0.000147853	0.000282695	0.000175217	0.000229596
4401	0.00017615	0.000161043	0.000358643	0.00019075	0.000227498	0.000174073	0.000160831	0.00030838	0.00019075	0.000232572
4402	0.00019198	0.000175418	0.000392056	0.000208032	0.000229108	0.000189815	0.000175286	0.000337166	0.000208032	0.000234281
4403	0.000207484	0.000189435	0.000425529	0.000225082	0.000229446	0.000205308	0.000189458	0.000366056	0.000225082	0.000234629
4404	0.000221318	0.000201834	0.000456692	0.000241013	0.000222478	0.00021944	0.000202302	0.000393254	0.000241013	0.000228471
4405	0.000235304	0.00021447	0.000486988	0.000256812	0.000221268	0.000233568	0.000215228	0.000419582	0.000256812	0.000227182
4406	0.000248854	0.000226678	0.000516755	0.000272542	0.000216011	0.000247425	0.000227882	0.000445628	0.000272542	0.000221579
4407	0.000263517	0.000239812	0.000549889	0.000289263	0.000214179	0.000262349	0.000241434	0.000474474	0.000289263	0.000218316
4408	0.000275116	0.000250292	0.000575007	0.000302021	0.000204947	0.000273943	0.000252034	0.000496153	0.000302021	0.000208453
4409	0.000285341	0.000259594	0.000596374	0.000313097	0.000198669	0.000284071	0.000261349	0.000514525	0.000313097	0.000201767
4410	0.000279983	0.000255142	0.00058008	0.000304641	0.00019536	0.000277611	0.000255745	0.000499382	0.000304641	0.000198263
4411	0.000268425	0.000245288	0.000547924	0.000287434	0.000179601	0.000264163	0.000243895	0.000469726	0.000287434	0.00018406
4412	0.000251014	0.000229867	0.000506474	0.0002657	0.00016446	0.000245685	0.000227231	0.000432856	0.0002657	0.000170365
4413	0.000231944	0.000212903	0.000461958	0.000243014	0.00015092	0.000226027	0.000209446	0.000394202	0.000243014	0.000157196
4414	0.000210625	0.000194071	0.000410609	0.000216699	0.000140942	0.000203999	0.000189564	0.000350404	0.000216699	0.000147707
4415	0.000181178	0.000166932	0.000353269	0.000186442	0.000134587	0.000175587	0.000163143	0.000301798	0.000186442	0.000140917
4416	0.000157795	0.000145242	0.000309443	0.000163687	0.00013056	0.00015355	0.00014254	0.000265215	0.000163687	0.000136613
4417	0.00013978	0.000128492	0.000276142	0.000146727	0.000125818	0.000136793	0.000126846	0.000237674	0.000146727	0.000131521
4418	0.000127749	0.000117442	0.000252269	0.000134687	0.000129764	0.000125282	0.000116182	0.000217573	0.000134687	0.000135754
4419	0.000121538	0.000111736	0.000239948	0.000128297	0.000138297	0.000119277	0.000110616	0.000207123	0.000128297	0.000144891
4420	0.000123029	0.000113051	0.000243568	0.000130144	0.000150027	0.000120857	0.000112035	0.000210335	0.000130144	0.000157439
4421	0.000127073	0.0001168	0.000251176	0.000134143	0.000163344	0.000124693	0.000115619	0.000216714	0.000134143	0.000171693
4422	0.000134257	0.000123587	0.000263156	0.000141119	0.000171799	0.000131397	0.000122003	0.000226674	0.000141119	0.000180851
4423	0.000149807	0.000137742	0.000295556	0.000158134	0.000221513	0.000146712	0.000136121	0.000254119	0.000158134	0.0002261
4424	0.00016196	0.000148145	0.000328853	0.000175217	0.000224696	0.000159954	0.000147853	0.000282695	0.000175217	0.000229596
4425	0.00017615	0.000161043	0.000358643	0.00019075	0.000227498	0.000174073	0.000160831	0.00030838	0.00019075	0.000232572
4426	0.00019198	0.000175418	0.000392056	0.000208032	0.000229108	0.000189815	0.000175286	0.000337166	0.000208032	0.000234281
4427	0.000207484	0.000189435	0.000425529	0.000225082	0.000229446	0.000205308	0.000189458	0.000366056	0.000225082	0.000234629
4428	0.000221318	0.000201834	0.000456692	0.000241013	0.000222478	0.00021944	0.000202302	0.000393254	0.000241013	0.000228471
4429	0.000235304	0.00021447	0.000486988	0.000256812	0.000221268	0.000233568	0.000215228	0.000419582	0.000256812	0.000227182
4430	0.000248854	0.000226678	0.000516755	0.000272542	0.000216011	0.000247425	0.000227882	0.000445628	0.000272542	0.000221579
4431	0.000263517	0.000239812	0.000549889	0.000289263	0.000214179	0.000262349	0.000241434	0.000474474	0.000289263	0.000218316
4432	0.000275116	0.000250292	0.000575007	0.000302021	0.000204947	0.000273943	0.000252034	0.000496153	0.000302021	0.000208453
4433	0.000285341	0.000259594	0.000596374	0.000313097	0.000198669	0.000284071	0.000261349	0.000514525	0.000313097	0.000201767
4434	0.000279983	0.000255142	0.00058008	0.000304641	0.00019536	0.000277611	0.000255745	0.000499382	0.000304641	0.000198263
4435	0.000268425	0.000245288	0.000547924	0.000287434	0.000179601	0.000264163	0.000243895	0.000469726	0.000287434	0.00018406
4436	0.000251014	0.000229867	0.000506474	0.0002657	0.00016446	0.000245685	0.000227231	0.000432856	0.0002657	0.000170365
4437	0.000231944	0.000212903	0.000461958	0.000243014	0.00015092	0.000226027	0.000209446	0.000394202	0.000243014	0.000157196
4438	0.000210625	0.000194071	0.000410609	0.000216699	0.000140942	0.000203999	0.000189564	0.000350404	0.000216699	0.000147707
4439	0.000181178	0.000166932	0.000353269	0.000186442	0.000134587	0.000175587	0.000163143	0.000301798	0.000186442	0.000140917
4440	0.000157795	0.000145242	0.000309443	0.000163687	0.00013056	0.00015355	0.00014254	0.000265215	0.000163687	0.000136613
4441	0.00013978	0.000128492	0.000276142	0.000146727	0.000125818	0.000136793	0.000126846	0.000237674	0.000146727	0.000131521
4442	0.000127749	0.000117442	0.000252269	0.000134687	0.000129764	0.000125282	0.000116182	0.000217573	0.000134687	0.000135754
4443	0.000121538	0.000111736	0.000239948	0.000128297	0.000138297	0.000119277	0.000110616	0.000207123	0.000128297	0.000144891
4444	0.000123029	0.000113051	0.000243568	0.000130144	0.000150027	0.000120857	0.000112035	0.000210335	0.000130144	0.000157439
4445	0.000127073	0.0001168	0.000251176	0.000134143	0.000163344	0.000124693	0.000115619	0.000216714	0.000134143	0.000171693
4446	0.000134257	0.000123587	0.000263156	0.000141119	0.000171799	0.000131397	0.000122003	0.000226674	0.000141119	0.000180851
4447	0.000149807	0.000137742	0.000295556	0.000158134	0.000221513	0.000146712	0.000136121	0.000254119	0.000158134	0.0002261
4448	0.00016196	0.000148145	0.000328853	0.000175217	0.000224696	0.000159954	0.000147853	0.000282695	0.000175217	0.000229596
4449	0.00017615	0.000161043	0.000358643	0.00019075	0.000227498	0.000174073	0.000160831	0.00030838	0.00019075	0.000232572
4450	0.00019198	0.000175418	0.000392056	0.000208032	0.000229108	0.000189815	0.000175286	0.000337166	0.000208032	0.000234281
4451	0.000207484	0.000189435	0.000425529	0.000225082	0.000229446	0.000205308	0.000189458	0.000366056	0.000225082	0.000234629
4452	0.000221318	0.000201834	0.000456692	0.000241013	0.000222478	0.00021944	0.000202302	0.000393254	0.000241013	0.000228471
4453	0.000235304	0.00021447	0.000486988	0.000256812	0.000221268	0.000233568	0.000215228	0.000419582	0.000256812	0.000227182
4454	0.000248854	0.000226678	0.000516755	0.000272542	0.000216011	0.000247425	0.000227882	0.000445628	0.000272542	0.000221579
4455	0.000263517	0.000239812	0.000549889	0.000289263	0.000214179	0.000262349	0.000241434	0.000474474	0.000289263	0.000218316
4456	0.000275116	0.000250292	0.000575007	0.000302021	0.000204947	0.000273943	0.000252034	0.000496153	0.000302021	0.000208453
4457	0.000285341	0.000259594	0.000596374	0.000313097	0.000198669	0.000284071	0.000261349	0.000514525	0.000313097	0.000201767
4458	0.000279983	0.000255142	0.00058008	0.000304641	0.00019536	0.000277611	0.000255745	0.000499382	0.000304641	0.000198263
4459	0.000268425	0.000245288	0.000547924	0.000287434	0.000179601	0.000264163	0.000243895	0.000469726	0.000287434	0.00018406
4460	0.000251014	0.000229867	0.000506474	0.0002657	0.00016446	0.000245685	0.000227231	0.000432856	0.0002657	0.000170365
4461	0.000231944	0.000212903	0.000461958	0.000243014	0.00015092	0.000226027	0.000209446	0.000394202	0.000243014	0.000157196
4462	0.000210625	0.000194071	0.000410609	0.000216699	0.000140942	0.000203999	0.000189564	0.000350404	0.000216699	0.000147707
4463	0.000181178	0.000166932	0.000353269	0.000186442	0.000134587	0.000175587	0.000163143	0.000301798	0.000186442	0.000140917
4464	0.000157795	0.000145242	0.000309443	0.000163687	0.00013056	0.00015355	0.00014254	0.000265215	0.000163687	0.000136613
4465	0.000139174	0.000127949	0.00027478	0.000146042	0.000126453	0.000136179	0.000126289	0.00023649	0.000146042	0.000132199
4466	0.000127611	0.000117318	0.000251963	0.000134531	0.000129848	0.000125142	0.000116055	0.000217307	0.000134531	0.000135844
4467	0.000121488	0.000111688	0.000239885	0.000128243	0.00013838	0.000119229	0.000110569	0.000207069	0.000128243	0.000144981
4468	0.000122528	0.000112596	0.000242509	0.000129581	0.000150193	0.000120353	0.000111572	0.000209416	0.000129581	0.000157617
4469	0.000126585	0.000116352	0.000250206	0.000133598	0.000163338	0.000124205	0.000115167	0.000215872	0.000133598	0.000171687
4470	0.000133525	0.00012292	0.000261644	0.000140299	0.000171694	0.000130663	0.000121326	0.000225363	0.000140299	0.000180738
4471	0.000147608	0.000135503	0.000293851	0.000157155	0.000221497	0.000144967	0.000134352	0.000252632	0.000157155	0.000226085
4472	0.000162098	0.000148264	0.000329213	0.000175374	0.000224693	0.000160097	0.000147978	0.000283007	0.000175374	0.000229594
4473	0.000176992	0.000161795	0.000360571	0.000191702	0.000227477	0.000174929	0.000161606	0.000310054	0.000191702	0.000232551
4474	0.000192441	0.000175831	0.00039309	0.000208553	0.000229188	0.000190282	0.000175711	0.000338065	0.000208553	0.000234369
4475	0.00020669	0.000188714	0.000423855	0.00022419	0.000229582	0.000204509	0.000188724	0.000364603	0.00022419	0.000234777

4476	0.000220356	0.000200973	0.000454518	0.000239926	0.000222743	0.000218464	0.000201417	0.000391366	0.000239926	0.000228757
4477	0.000234098	0.000213386	0.000484306	0.000255451	0.000221639	0.000232347	0.000214116	0.000417253	0.000255451	0.000227581
4478	0.000246681	0.000224726	0.0005119	0.000270088	0.000216311	0.000245224	0.00022588	0.000441412	0.000270088	0.000221905
4479	0.000261035	0.000237577	0.000544414	0.000286464	0.000214145	0.00025984	0.000239146	0.00046972	0.000286464	0.000218285
4480	0.000272319	0.000247775	0.000568823	0.000298866	0.00020462	0.000271115	0.000249456	0.000490783	0.000298866	0.00020811
4481	0.000281032	0.000255712	0.000586905	0.000308239	0.000198368	0.000279716	0.000257375	0.000506303	0.000308239	0.000201452
4482	0.00027553	0.00025112	0.000570409	0.000299626	0.000195221	0.000273116	0.000251635	0.000490984	0.000299626	0.000198123
4483	0.000263583	0.000240915	0.000537425	0.000281982	0.000179539	0.000259278	0.000239427	0.00046061	0.000281982	0.000184003
4484	0.000246565	0.00022585	0.000496813	0.00026069	0.000164424	0.000241196	0.000223126	0.000424467	0.00026069	0.000170336
4485	0.000229472	0.000210933	0.000453435	0.00023873	0.000150988	0.000223054	0.000206908	0.000386808	0.00023873	0.000157278
4486	0.000207078	0.000190867	0.000402911	0.000212703	0.000140841	0.000200419	0.00018629	0.000343719	0.000212703	0.000147608
4487	0.000178572	0.000164573	0.000347685	0.00018351	0.000134346	0.000172961	0.000160736	0.00029695	0.00018351	0.000140666
4488	0.000155243	0.000142935	0.000303932	0.000160814	0.000130186	0.000150975	0.000140183	0.000260429	0.000160814	0.000136219
4489	0.000139174	0.000127949	0.00027478	0.000146042	0.000126453	0.000136179	0.000126289	0.00023649	0.000146042	0.000132199
4490	0.000127611	0.000117318	0.000251963	0.000134531	0.000129848	0.000125142	0.000116055	0.000217307	0.000134531	0.000135844
4491	0.000121488	0.000111688	0.000239885	0.000128243	0.00013838	0.000119229	0.000110569	0.000207069	0.000128243	0.000144981
4492	0.000122528	0.000112596	0.000242509	0.000129581	0.000150193	0.000120353	0.000111572	0.000209416	0.000129581	0.000157617
4493	0.000126585	0.000116352	0.000250206	0.000133598	0.000163338	0.000124205	0.000115167	0.000215872	0.000133598	0.000171687
4494	0.000133525	0.00012292	0.000261644	0.000140299	0.000171694	0.000130663	0.000121326	0.000225363	0.000140299	0.000180738
4495	0.000147608	0.000135503	0.000293851	0.000157155	0.000221497	0.000144967	0.000134352	0.000252632	0.000157155	0.000226085
4496	0.000162098	0.000148264	0.000329213	0.000175374	0.000224693	0.000160097	0.000147978	0.000283007	0.000175374	0.000229594
4497	0.000176992	0.000161795	0.000360571	0.000191702	0.000227477	0.000174929	0.000161606	0.000310054	0.000191702	0.000232551
4498	0.000192441	0.000175831	0.00039309	0.000208553	0.000229188	0.000190282	0.000175711	0.000338065	0.000208553	0.000234369
4499	0.00020669	0.000188714	0.000423855	0.00022419	0.000229582	0.000204509	0.000188724	0.000364603	0.00022419	0.000234777
4500	0.000220356	0.000200973	0.000454518	0.000239926	0.000222743	0.000218464	0.000201417	0.000391366	0.000239926	0.000228757
4501	0.000234098	0.000213386	0.000484306	0.000255451	0.000221639	0.000232347	0.000214116	0.000417253	0.000255451	0.000227581
4502	0.000246681	0.000224726	0.0005119	0.000270088	0.000216311	0.000245224	0.00022588	0.000441412	0.000270088	0.000221905
4503	0.000261035	0.000237577	0.000544414	0.000286464	0.000214145	0.00025984	0.000239146	0.00046972	0.000286464	0.000218285
4504	0.000272319	0.000247775	0.000568823	0.000298866	0.00020462	0.000271115	0.000249456	0.000490783	0.000298866	0.00020811
4505	0.000281032	0.000255712	0.000586905	0.000308239	0.000198368	0.000279716	0.000257375	0.000506303	0.000308239	0.000201452
4506	0.00027553	0.00025112	0.000570409	0.000299626	0.000195221	0.000273116	0.000251635	0.000490984	0.000299626	0.000198123
4507	0.000263583	0.000240915	0.000537425	0.000281982	0.000179539	0.000259278	0.000239427	0.00046061	0.000281982	0.000184003
4508	0.000246565	0.00022585	0.000496813	0.00026069	0.000164424	0.000241196	0.000223126	0.000424467	0.00026069	0.000170336
4509	0.000229472	0.000210933	0.000453435	0.00023873	0.000150988	0.000223054	0.000206908	0.000386808	0.00023873	0.000157278
4510	0.000207078	0.000190867	0.000402911	0.000212703	0.000140841	0.000200419	0.00018629	0.000343719	0.000212703	0.000147608
4511	0.000178572	0.000164573	0.000347685	0.00018351	0.000134346	0.000172961	0.000160736	0.00029695	0.00018351	0.000140666
4512	0.000155243	0.000142935	0.000303932	0.000160814	0.000130186	0.000150975	0.000140183	0.000260429	0.000160814	0.000136219
4513	0.000139174	0.000127949	0.00027478	0.000146042	0.000126453	0.000136179	0.000126289	0.00023649	0.000146042	0.000132199
4514	0.000127611	0.000117318	0.000251963	0.000134531	0.000129848	0.000125142	0.000116055	0.000217307	0.000134531	0.000135844
4515	0.000121488	0.000111688	0.000239885	0.000128243	0.00013838	0.000119229	0.000110569	0.000207069	0.000128243	0.000144981
4516	0.000122528	0.000112596	0.000242509	0.000129581	0.000150193	0.000120353	0.000111572	0.000209416	0.000129581	0.000157617
4517	0.000126585	0.000116352	0.000250206	0.000133598	0.000163338	0.000124205	0.000115167	0.000215872	0.000133598	0.000171687
4518	0.000133525	0.00012292	0.000261644	0.000140299	0.000171694	0.000130663	0.000121326	0.000225363	0.000140299	0.000180738
4519	0.000147608	0.000135503	0.000293851	0.000157155	0.000221497	0.000144967	0.000134352	0.000252632	0.000157155	0.000226085
4520	0.000162098	0.000148264	0.000329213	0.000175374	0.000224693	0.000160097	0.000147978	0.000283007	0.000175374	0.000229594
4521	0.000176992	0.000161795	0.000360571	0.000191702	0.000227477	0.000174929	0.000161606	0.000310054	0.000191702	0.000232551
4522	0.000192441	0.000175831	0.00039309	0.000208553	0.000229188	0.000190282	0.000175711	0.000338065	0.000208553	0.000234369
4523	0.00020669	0.000188714	0.000423855	0.00022419	0.000229582	0.000204509	0.000188724	0.000364603	0.00022419	0.000234777
4524	0.000220356	0.000200973	0.000454518	0.000239926	0.000222743	0.000218464	0.000201417	0.000391366	0.000239926	0.000228757
4525	0.000234098	0.000213386	0.000484306	0.000255451	0.000221639	0.000232347	0.000214116	0.000417253	0.000255451	0.000227581
4526	0.000246681	0.000224726	0.0005119	0.000270088	0.000216311	0.000245224	0.00022588	0.000441412	0.000270088	0.000221905
4527	0.000261035	0.000237577	0.000544414	0.000286464	0.000214145	0.00025984	0.000239146	0.00046972	0.000286464	0.000218285
4528	0.000272319	0.000247775	0.000568823	0.000298866	0.00020462	0.000271115	0.000249456	0.000490783	0.000298866	0.00020811
4529	0.000281032	0.000255712	0.000586905	0.000308239	0.000198368	0.000279716	0.000257375	0.000506303	0.000308239	0.000201452
4530	0.00027553	0.00025112	0.000570409	0.000299626	0.000195221	0.000273116	0.000251635	0.000490984	0.000299626	0.000198123
4531	0.000263583	0.000240915	0.000537425	0.000281982	0.000179539	0.000259278	0.000239427	0.00046061	0.000281982	0.000184003
4532	0.000246565	0.00022585	0.000496813	0.00026069	0.000164424	0.000241196	0.000223126	0.000424467	0.00026069	0.000170336
4533	0.000229472	0.000210933	0.000453435	0.00023873	0.000150988	0.000223054	0.000206908	0.000386808	0.00023873	0.000157278
4534	0.000207078	0.000190867	0.000402911	0.000212703	0.000140841	0.000200419	0.00018629	0.000343719	0.000212703	0.000147608
4535	0.000178572	0.000164573	0.000347685	0.00018351	0.000134346	0.000172961	0.000160736	0.00029695	0.00018351	0.000140666
4536	0.000155243	0.000142935	0.000303932	0.000160814	0.000130186	0.000150975	0.000140183	0.000260429	0.000160814	0.000136219
4537	0.000139174	0.000127949	0.00027478	0.000146042	0.000126453	0.000136179	0.000126289	0.00023649	0.000146042	0.000132199
4538	0.000127611	0.000117318	0.000251963	0.000134531	0.000129848	0.000125142	0.000116055	0.000217307	0.000134531	0.000135844
4539	0.000121488	0.000111688	0.000239885	0.000128243	0.00013838	0.000119229	0.000110569	0.000207069	0.000128243	0.000144981
4540	0.000122528	0.000112596	0.000242509	0.000129581	0.000150193	0.000120353	0.000111572	0.000209416	0.000129581	0.000157617
4541	0.000126585	0.000116352	0.000250206	0.000133598	0.000163338	0.000124205	0.000115167	0.000215872	0.000133598	0.000171687
4542	0.000133525	0.00012292	0.000261644	0.000140299	0.000171694	0.000130663	0.000121326	0.000225363	0.000140299	0.000180738
4543	0.000147608	0.000135503	0.000293851	0.000157155	0.000221497	0.000144967	0.000134352	0.000252632	0.000157155	0.000226085
4544	0.000162098	0.000148264	0.000329213	0.000175374	0.000224693	0.000160097	0.000147978	0.000283007	0.000175374	0.000229594
4545	0.000176992	0.000161795	0.000360571	0.000191702	0.000227477	0.000174929	0.000161606	0.000310054	0.000191702	0.000232551
4546	0.000192441	0.000175831	0.00039309	0.000208553	0.000229188	0.000190282	0.000175711	0.000338065	0.000208553	0.000234369
4547	0.00020669	0.000188714	0.000423855	0.00022419	0.000229582	0.000204509	0.000188724	0.000364603	0.00022419	0.000234777
4548	0.000220356	0.000200973	0.000454518	0.000239926	0.000222743	0.000218464	0.000201417	0.000391366	0.000239926	0.000228757
4549	0.000234098	0.000213386	0.000484306	0.000255451	0.000221639	0.000232347	0.000214116	0.000417253	0.000255451	0.000227581
4550	0.000246681	0.000224726	0.0005119	0.000270088	0.000216311	0.000245224	0.00022588	0.000441412	0.000270088	0.000221905
4551	0.000261035	0.000237577	0.000544414	0.000286464	0.000214145	0.00025984	0.000239146	0.00046972	0.000286464	0.000218285

4552	0.000272319	0.000247775	0.000568823	0.000298866	0.00020462	0.000271115	0.000249456	0.000490783	0.000298866	0.00020811
4553	0.000281032	0.000255712	0.000586905	0.000308239	0.000198368	0.000279716	0.000257375	0.000506303	0.000308239	0.000201452
4554	0.00027553	0.00025112	0.000570409	0.000299626	0.000195221	0.000273116	0.000251635	0.000490984	0.000299626	0.000198123
4555	0.000263583	0.000240915	0.000537425	0.000281982	0.000179539	0.000259278	0.000239427	0.00046061	0.000281982	0.000184003
4556	0.000246565	0.00022585	0.000496813	0.00026069	0.000164424	0.000241196	0.000223126	0.000424467	0.00026069	0.000170336
4557	0.000229472	0.000210933	0.000453435	0.00023873	0.000150988	0.000223054	0.000206908	0.000386808	0.00023873	0.000157278
4558	0.000207078	0.000190867	0.000402911	0.000212703	0.000140841	0.000200419	0.00018629	0.000343719	0.000212703	0.000147608
4559	0.000178572	0.000164573	0.000347685	0.00018351	0.000134346	0.000172961	0.000160736	0.00029695	0.00018351	0.000140666
4560	0.000155243	0.000142935	0.000303932	0.000160814	0.000130186	0.000150975	0.000140183	0.000260429	0.000160814	0.000136219
4561	0.00013978	0.000128492	0.000276142	0.000146727	0.000125818	0.000136793	0.000126846	0.000237674	0.000146727	0.000131521
4562	0.000127749	0.000117442	0.000252269	0.000134687	0.000129764	0.000125282	0.000116182	0.000217573	0.000134687	0.000135754
4563	0.000121538	0.000111736	0.000239948	0.000128297	0.000138297	0.000119277	0.000110616	0.000207123	0.000128297	0.000144891
4564	0.000123029	0.000113051	0.000243568	0.000130144	0.000150027	0.000120857	0.000112035	0.000210335	0.000130144	0.000157439
4565	0.000127073	0.0001168	0.000251176	0.000134143	0.000163344	0.000124693	0.000115619	0.000216714	0.000134143	0.000171693
4566	0.000134257	0.000123587	0.000263156	0.000141119	0.000171799	0.000131397	0.000122003	0.000226674	0.000141119	0.000180851
4567	0.000149807	0.000137742	0.000295556	0.000158134	0.000221513	0.000146712	0.000136121	0.000254119	0.000158134	0.0002261
4568	0.00016196	0.000148145	0.000328853	0.000175217	0.000224696	0.000159954	0.000147853	0.000282695	0.000175217	0.000229596
4569	0.00017615	0.000161043	0.000358643	0.00019075	0.000227498	0.000174073	0.000160831	0.00030838	0.00019075	0.000232572
4570	0.00019198	0.000175418	0.000392056	0.000208032	0.000229108	0.000189815	0.000175286	0.000337166	0.000208032	0.000234281
4571	0.000207484	0.000189435	0.000425529	0.000225082	0.000229446	0.000205308	0.000189458	0.000366056	0.000225082	0.000234629
4572	0.000221318	0.000201834	0.000456692	0.000241013	0.000222478	0.00021944	0.000202302	0.000393254	0.000241013	0.000228471
4573	0.000235304	0.00021447	0.000486988	0.000256812	0.000221268	0.000233568	0.000215228	0.000419582	0.000256812	0.000227182
4574	0.000248854	0.000226678	0.000516755	0.000272542	0.000216011	0.000247425	0.000227882	0.000445628	0.000272542	0.000221579
4575	0.000263517	0.000239812	0.000549889	0.000289263	0.000214179	0.000262349	0.000241434	0.000474474	0.000289263	0.000218316
4576	0.000275116	0.000250292	0.000575007	0.000302021	0.000204947	0.000273943	0.000252034	0.000496153	0.000302021	0.000208453
4577	0.000285341	0.000259594	0.000596374	0.000313097	0.000198669	0.000284071	0.000261349	0.000514525	0.000313097	0.000201767
4578	0.000279983	0.000255142	0.00058008	0.000304641	0.00019536	0.000277611	0.000255745	0.000499382	0.000304641	0.000198263
4579	0.000268425	0.000245288	0.000547924	0.000287434	0.000179601	0.000264163	0.000243895	0.000469726	0.000287434	0.00018406
4580	0.000251014	0.000229867	0.000506474	0.0002657	0.00016446	0.000245685	0.000227231	0.000432856	0.0002657	0.000170365
4581	0.000231944	0.000212903	0.000461958	0.000243014	0.00015092	0.000226027	0.000209446	0.000394202	0.000243014	0.000157196
4582	0.000210625	0.000194071	0.000410609	0.000216699	0.000140942	0.000203999	0.000189564	0.000350404	0.000216699	0.000147707
4583	0.000181178	0.000166932	0.000353269	0.000186442	0.000134587	0.000175587	0.000163143	0.000301798	0.000186442	0.000140917
4584	0.000157795	0.000145242	0.000309443	0.000163687	0.00013056	0.00015355	0.00014254	0.000265215	0.000163687	0.000136613
4585	0.00013978	0.000128492	0.000276142	0.000146727	0.000125818	0.000136793	0.000126846	0.000237674	0.000146727	0.000131521
4586	0.000127749	0.000117442	0.000252269	0.000134687	0.000129764	0.000125282	0.000116182	0.000217573	0.000134687	0.000135754
4587	0.000121538	0.000111736	0.000239948	0.000128297	0.000138297	0.000119277	0.000110616	0.000207123	0.000128297	0.000144891
4588	0.000123029	0.000113051	0.000243568	0.000130144	0.000150027	0.000120857	0.000112035	0.000210335	0.000130144	0.000157439
4589	0.000127073	0.0001168	0.000251176	0.000134143	0.000163344	0.000124693	0.000115619	0.000216714	0.000134143	0.000171693
4590	0.000134257	0.000123587	0.000263156	0.000141119	0.000171799	0.000131397	0.000122003	0.000226674	0.000141119	0.000180851
4591	0.000149807	0.000137742	0.000295556	0.000158134	0.000221513	0.000146712	0.000136121	0.000254119	0.000158134	0.0002261
4592	0.00016196	0.000148145	0.000328853	0.000175217	0.000224696	0.000159954	0.000147853	0.000282695	0.000175217	0.000229596
4593	0.00017615	0.000161043	0.000358643	0.00019075	0.000227498	0.000174073	0.000160831	0.00030838	0.00019075	0.000232572
4594	0.00019198	0.000175418	0.000392056	0.000208032	0.000229108	0.000189815	0.000175286	0.000337166	0.000208032	0.000234281
4595	0.000207484	0.000189435	0.000425529	0.000225082	0.000229446	0.000205308	0.000189458	0.000366056	0.000225082	0.000234629
4596	0.000221318	0.000201834	0.000456692	0.000241013	0.000222478	0.00021944	0.000202302	0.000393254	0.000241013	0.000228471
4597	0.000235304	0.00021447	0.000486988	0.000256812	0.000221268	0.000233568	0.000215228	0.000419582	0.000256812	0.000227182
4598	0.000248854	0.000226678	0.000516755	0.000272542	0.000216011	0.000247425	0.000227882	0.000445628	0.000272542	0.000221579
4599	0.000263517	0.000239812	0.000549889	0.000289263	0.000214179	0.000262349	0.000241434	0.000474474	0.000289263	0.000218316
4600	0.000275116	0.000250292	0.000575007	0.000302021	0.000204947	0.000273943	0.000252034	0.000496153	0.000302021	0.000208453
4601	0.000285341	0.000259594	0.000596374	0.000313097	0.000198669	0.000284071	0.000261349	0.000514525	0.000313097	0.000201767
4602	0.000279983	0.000255142	0.00058008	0.000304641	0.00019536	0.000277611	0.000255745	0.000499382	0.000304641	0.000198263
4603	0.000268425	0.000245288	0.000547924	0.000287434	0.000179601	0.000264163	0.000243895	0.000469726	0.000287434	0.00018406
4604	0.000251014	0.000229867	0.000506474	0.0002657	0.00016446	0.000245685	0.000227231	0.000432856	0.0002657	0.000170365
4605	0.000231944	0.000212903	0.000461958	0.000243014	0.00015092	0.000226027	0.000209446	0.000394202	0.000243014	0.000157196
4606	0.000210625	0.000194071	0.000410609	0.000216699	0.000140942	0.000203999	0.000189564	0.000350404	0.000216699	0.000147707
4607	0.000181178	0.000166932	0.000353269	0.000186442	0.000134587	0.000175587	0.000163143	0.000301798	0.000186442	0.000140917
4608	0.000157795	0.000145242	0.000309443	0.000163687	0.00013056	0.00015355	0.00014254	0.000265215	0.000163687	0.000136613
4609	0.000139174	0.000127949	0.00027478	0.000146042	0.000126453	0.000136179	0.000126289	0.00023649	0.000146042	0.000132199
4610	0.000127611	0.000117318	0.000251963	0.000134531	0.000129848	0.000125142	0.000116055	0.000217307	0.000134531	0.000135844
4611	0.000121488	0.000111688	0.000239885	0.000128243	0.00013838	0.000119229	0.000110569	0.000207069	0.000128243	0.000144981
4612	0.000122528	0.000112596	0.000242509	0.000129581	0.000150193	0.000120353	0.000111572	0.000209416	0.000129581	0.000157617
4613	0.000126585	0.000116352	0.000250206	0.000133598	0.000163338	0.000124205	0.000115167	0.000215872	0.000133598	0.000171687
4614	0.000133525	0.00012292	0.000261644	0.000140299	0.000171694	0.000130663	0.000121326	0.000225363	0.000140299	0.000180738
4615	0.000147608	0.000135503	0.000293851	0.000157155	0.000221497	0.000144967	0.000134352	0.000252632	0.000157155	0.000226085
4616	0.000162098	0.000148264	0.000329213	0.000175374	0.000224693	0.000160097	0.000147978	0.000283007	0.000175374	0.000229594
4617	0.000176992	0.000161795	0.000360571	0.000191702	0.000227477	0.000174929	0.000161606	0.000310054	0.000191702	0.000232551
4618	0.000192441	0.000175831	0.00039309	0.000208553	0.000229188	0.000190282	0.000175711	0.000338065	0.000208553	0.000234369
4619	0.00020669	0.000188714	0.000423855	0.00022419	0.000229582	0.000204509	0.000188724	0.000364603	0.00022419	0.000234777
4620	0.000220356	0.000200973	0.000454518	0.000239926	0.000222743	0.000218464	0.000201417	0.000391366	0.000239926	0.000228757
4621	0.000234098	0.000213386	0.000484306	0.000255451	0.000221639	0.000232347	0.000214116	0.000417253	0.000255451	0.000227581
4622	0.000246681	0.000224726	0.0005119	0.000270088	0.000216311	0.000245224	0.00022588	0.000441412	0.000270088	0.000221905
4623	0.000261035	0.000237577	0.000544414	0.000286464	0.000214145	0.00025984	0.000239146	0.00046972	0.000286464	0.000218285
4624	0.000272319	0.000247775	0.000568823	0.000298866	0.00020462	0.000271115	0.000249456	0.000490783	0.000298866	0.00020811
4625	0.000281032	0.000255712	0.000586905	0.000308239	0.000198368	0.000279716	0.000257375	0.000506303	0.000308239	0.000201452
4626	0.00027553	0.00025112	0.000570409	0.000299626	0.000195221	0.000273116	0.000251635	0.000490984	0.000299626	0.000198123
4627	0.000263583	0.000240915	0.000537425	0.000281982	0.000179539	0.000259278	0.000239427	0.00046061	0.000281982	0.000184003

4628	0.000246565	0.00022585	0.000496813	0.00026069	0.000164424	0.000241196	0.000223126	0.000424467	0.00026069	0.000170336
4629	0.000229472	0.000210933	0.000453435	0.00023873	0.000150988	0.000223054	0.000206908	0.000386808	0.00023873	0.000157278
4630	0.000207078	0.000190867	0.000402911	0.000212703	0.000140841	0.000200419	0.00018629	0.000343719	0.000212703	0.000147608
4631	0.000178572	0.000164573	0.000347685	0.00018351	0.000134346	0.000172961	0.000160736	0.00029695	0.00018351	0.000140666
4632	0.000155243	0.000142935	0.000303932	0.000160814	0.000130186	0.000150975	0.000140183	0.000260429	0.000160814	0.000136219
4633	0.000139174	0.000127949	0.00027478	0.000146042	0.000126453	0.000136179	0.000126289	0.00023649	0.000146042	0.000132199
4634	0.000127611	0.000117318	0.000251963	0.000134531	0.000129848	0.000125142	0.000116055	0.000217307	0.000134531	0.000135844
4635	0.000121488	0.000111688	0.000239885	0.000128243	0.00013838	0.000119229	0.000110569	0.000207069	0.000128243	0.000144981
4636	0.000122528	0.000112596	0.000242509	0.000129581	0.000150193	0.000120353	0.000111572	0.000209416	0.000129581	0.000157617
4637	0.000126585	0.000116352	0.000250206	0.000133598	0.000163338	0.000124205	0.000115167	0.000215872	0.000133598	0.000171687
4638	0.000133525	0.00012292	0.000261644	0.000140299	0.000171694	0.000130663	0.000121326	0.000225363	0.000140299	0.000180738
4639	0.000147608	0.000135503	0.000293851	0.000157155	0.000221497	0.000144967	0.000134352	0.000252632	0.000157155	0.000226085
4640	0.000162098	0.000148264	0.000329213	0.000175374	0.000224693	0.000160097	0.000147978	0.000283007	0.000175374	0.000229594
4641	0.000176992	0.000161795	0.000360571	0.000191702	0.000227477	0.000174929	0.000161606	0.000310054	0.000191702	0.000232551
4642	0.000192441	0.000175831	0.00039309	0.000208553	0.000229188	0.000190282	0.000175711	0.000338065	0.000208553	0.000234369
4643	0.00020669	0.000188714	0.000423855	0.00022419	0.000229582	0.000204509	0.000188724	0.000364603	0.00022419	0.000234777
4644	0.000220356	0.000200973	0.000454518	0.000239926	0.000222743	0.000218464	0.000201417	0.000391366	0.000239926	0.000228757
4645	0.000234098	0.000213386	0.000484306	0.000255451	0.000221639	0.000232347	0.000214116	0.000417253	0.000255451	0.000227581
4646	0.000246681	0.000224726	0.0005119	0.000270088	0.000216311	0.000245224	0.00022588	0.000441412	0.000270088	0.000221905
4647	0.000261035	0.000237577	0.000544414	0.000286464	0.000214145	0.00025984	0.000239146	0.00046972	0.000286464	0.000218285
4648	0.000272319	0.000247775	0.000568823	0.000298866	0.00020462	0.000271115	0.000249456	0.000490783	0.000298866	0.00020811
4649	0.000281032	0.000255712	0.000586905	0.000308239	0.000198368	0.000279716	0.000257375	0.000506303	0.000308239	0.000201452
4650	0.00027553	0.00025112	0.000570409	0.000299626	0.000195221	0.000273116	0.000251635	0.000490984	0.000299626	0.000198123
4651	0.000263583	0.000240915	0.000537425	0.000281982	0.000179539	0.000259278	0.000239427	0.00046061	0.000281982	0.000184003
4652	0.000246565	0.00022585	0.000496813	0.00026069	0.000164424	0.000241196	0.000223126	0.000424467	0.00026069	0.000170336
4653	0.000229472	0.000210933	0.000453435	0.00023873	0.000150988	0.000223054	0.000206908	0.000386808	0.00023873	0.000157278
4654	0.000207078	0.000190867	0.000402911	0.000212703	0.000140841	0.000200419	0.00018629	0.000343719	0.000212703	0.000147608
4655	0.000178572	0.000164573	0.000347685	0.00018351	0.000134346	0.000172961	0.000160736	0.00029695	0.00018351	0.000140666
4656	0.000155243	0.000142935	0.000303932	0.000160814	0.000130186	0.000150975	0.000140183	0.000260429	0.000160814	0.000136219
4657	0.000139174	0.000127949	0.00027478	0.000146042	0.000126453	0.000136179	0.000126289	0.00023649	0.000146042	0.000132199
4658	0.000127611	0.000117318	0.000251963	0.000134531	0.000129848	0.000125142	0.000116055	0.000217307	0.000134531	0.000135844
4659	0.000121488	0.000111688	0.000239885	0.000128243	0.00013838	0.000119229	0.000110569	0.000207069	0.000128243	0.000144981
4660	0.000122528	0.000112596	0.000242509	0.000129581	0.000150193	0.000120353	0.000111572	0.000209416	0.000129581	0.000157617
4661	0.000126585	0.000116352	0.000250206	0.000133598	0.000163338	0.000124205	0.000115167	0.000215872	0.000133598	0.000171687
4662	0.000133525	0.00012292	0.000261644	0.000140299	0.000171694	0.000130663	0.000121326	0.000225363	0.000140299	0.000180738
4663	0.000147608	0.000135503	0.000293851	0.000157155	0.000221497	0.000144967	0.000134352	0.000252632	0.000157155	0.000226085
4664	0.000162098	0.000148264	0.000329213	0.000175374	0.000224693	0.000160097	0.000147978	0.000283007	0.000175374	0.000229594
4665	0.000176992	0.000161795	0.000360571	0.000191702	0.000227477	0.000174929	0.000161606	0.000310054	0.000191702	0.000232551
4666	0.000192441	0.000175831	0.00039309	0.000208553	0.000229188	0.000190282	0.000175711	0.000338065	0.000208553	0.000234369
4667	0.00020669	0.000188714	0.000423855	0.00022419	0.000229582	0.000204509	0.000188724	0.000364603	0.00022419	0.000234777
4668	0.000220356	0.000200973	0.000454518	0.000239926	0.000222743	0.000218464	0.000201417	0.000391366	0.000239926	0.000228757
4669	0.000234098	0.000213386	0.000484306	0.000255451	0.000221639	0.000232347	0.000214116	0.000417253	0.000255451	0.000227581
4670	0.000246681	0.000224726	0.0005119	0.000270088	0.000216311	0.000245224	0.00022588	0.000441412	0.000270088	0.000221905
4671	0.000261035	0.000237577	0.000544414	0.000286464	0.000214145	0.00025984	0.000239146	0.00046972	0.000286464	0.000218285
4672	0.000272319	0.000247775	0.000568823	0.000298866	0.00020462	0.000271115	0.000249456	0.000490783	0.000298866	0.00020811
4673	0.000281032	0.000255712	0.000586905	0.000308239	0.000198368	0.000279716	0.000257375	0.000506303	0.000308239	0.000201452
4674	0.00027553	0.00025112	0.000570409	0.000299626	0.000195221	0.000273116	0.000251635	0.000490984	0.000299626	0.000198123
4675	0.000263583	0.000240915	0.000537425	0.000281982	0.000179539	0.000259278	0.000239427	0.00046061	0.000281982	0.000184003
4676	0.000246565	0.00022585	0.000496813	0.00026069	0.000164424	0.000241196	0.000223126	0.000424467	0.00026069	0.000170336
4677	0.000229472	0.000210933	0.000453435	0.00023873	0.000150988	0.000223054	0.000206908	0.000386808	0.00023873	0.000157278
4678	0.000207078	0.000190867	0.000402911	0.000212703	0.000140841	0.000200419	0.00018629	0.000343719	0.000212703	0.000147608
4679	0.000178572	0.000164573	0.000347685	0.00018351	0.000134346	0.000172961	0.000160736	0.00029695	0.00018351	0.000140666
4680	0.000155243	0.000142935	0.000303932	0.000160814	0.000130186	0.000150975	0.000140183	0.000260429	0.000160814	0.000136219
4681	0.000139174	0.000127949	0.00027478	0.000146042	0.000126453	0.000136179	0.000126289	0.00023649	0.000146042	0.000132199
4682	0.000127611	0.000117318	0.000251963	0.000134531	0.000129848	0.000125142	0.000116055	0.000217307	0.000134531	0.000135844
4683	0.000121488	0.000111688	0.000239885	0.000128243	0.00013838	0.000119229	0.000110569	0.000207069	0.000128243	0.000144981
4684	0.000122528	0.000112596	0.000242509	0.000129581	0.000150193	0.000120353	0.000111572	0.000209416	0.000129581	0.000157617
4685	0.000126585	0.000116352	0.000250206	0.000133598	0.000163338	0.000124205	0.000115167	0.000215872	0.000133598	0.000171687
4686	0.000133525	0.00012292	0.000261644	0.000140299	0.000171694	0.000130663	0.000121326	0.000225363	0.000140299	0.000180738
4687	0.000147608	0.000135503	0.000293851	0.000157155	0.000221497	0.000144967	0.000134352	0.000252632	0.000157155	0.000226085
4688	0.000162098	0.000148264	0.000329213	0.000175374	0.000224693	0.000160097	0.000147978	0.000283007	0.000175374	0.000229594
4689	0.000176992	0.000161795	0.000360571	0.000191702	0.000227477	0.000174929	0.000161606	0.000310054	0.000191702	0.000232551
4690	0.000192441	0.000175831	0.00039309	0.000208553	0.000229188	0.000190282	0.000175711	0.000338065	0.000208553	0.000234369
4691	0.00020669	0.000188714	0.000423855	0.00022419	0.000229582	0.000204509	0.000188724	0.000364603	0.00022419	0.000234777
4692	0.000220356	0.000200973	0.000454518	0.000239926	0.000222743	0.000218464	0.000201417	0.000391366	0.000239926	0.000228757
4693	0.000234098	0.000213386	0.000484306	0.000255451	0.000221639	0.000232347	0.000214116	0.000417253	0.000255451	0.000227581
4694	0.000246681	0.000224726	0.0005119	0.000270088	0.000216311	0.000245224	0.00022588	0.000441412	0.000270088	0.000221905
4695	0.000261035	0.000237577	0.000544414	0.000286464	0.000214145	0.00025984	0.000239146	0.00046972	0.000286464	0.000218285
4696	0.000272319	0.000247775	0.000568823	0.000298866	0.00020462	0.000271115	0.000249456	0.000490783	0.000298866	0.00020811
4697	0.000281032	0.000255712	0.000586905	0.000308239	0.000198368	0.000279716	0.000257375	0.000506303	0.000308239	0.000201452
4698	0.00027553	0.00025112	0.000570409	0.000299626	0.000195221	0.000273116	0.000251635	0.000490984	0.000299626	0.000198123
4699	0.000263583	0.000240915	0.000537425	0.000281982	0.000179539	0.000259278	0.000239427	0.00046061	0.000281982	0.000184003
4700	0.000246565	0.00022585	0.000496813	0.00026069	0.000164424	0.000241196	0.000223126	0.000424467	0.00026069	0.000170336
4701	0.000229472	0.000210933	0.000453435	0.00023873	0.000150988	0.000223054	0.000206908	0.000386808	0.00023873	0.000157278
4702	0.000207078	0.000190867	0.000402911	0.000212703	0.000140841	0.000200419	0.00018629	0.000343719	0.000212703	0.000147608
4703	0.000178572	0.000164573	0.000347685	0.00018351	0.000134346	0.000172961	0.000160736	0.00029695	0.00018351	0.000140666

4704	0.000155243	0.000142935	0.000303932	0.000160814	0.000130186	0.000150975	0.000140183	0.000260429	0.000160814	0.000136219
4705	0.000139174	0.000127949	0.00027478	0.000146042	0.000126453	0.000136179	0.000126289	0.00023649	0.000146042	0.000132199
4706	0.000127611	0.000117318	0.000251963	0.000134531	0.000129848	0.000125142	0.000116055	0.000217307	0.000134531	0.000135844
4707	0.000121488	0.000111688	0.000239885	0.000128243	0.00013838	0.000119229	0.000110569	0.000207069	0.000128243	0.000144981
4708	0.000122528	0.000112596	0.000242509	0.000129581	0.000150193	0.000120353	0.000111572	0.000209416	0.000129581	0.000157617
4709	0.000126585	0.000116352	0.000250206	0.000133598	0.000163338	0.000124205	0.000115167	0.000215872	0.000133598	0.000171687
4710	0.000133525	0.00012292	0.000261644	0.000140299	0.000171694	0.000130663	0.000121326	0.000225363	0.000140299	0.000180738
4711	0.000147608	0.000135503	0.000293851	0.000157155	0.000221497	0.000144967	0.000134352	0.000252632	0.000157155	0.000226085
4712	0.000162098	0.000148264	0.000329213	0.000175374	0.000224693	0.000160097	0.000147978	0.000283007	0.000175374	0.000229594
4713	0.000176992	0.000161795	0.000360571	0.000191702	0.000227477	0.000174929	0.000161606	0.000310054	0.000191702	0.000232551
4714	0.000192441	0.000175831	0.00039309	0.000208553	0.000229188	0.000190282	0.000175711	0.000338065	0.000208553	0.000234369
4715	0.00020669	0.000188714	0.000423855	0.00022419	0.000229582	0.000204509	0.000188724	0.000364603	0.00022419	0.000234777
4716	0.000220356	0.000200973	0.000454518	0.000239926	0.000222743	0.000218464	0.000201417	0.000391366	0.000239926	0.000228757
4717	0.000234098	0.000213386	0.000484306	0.000255451	0.000221639	0.000232347	0.000214116	0.000417253	0.000255451	0.000227581
4718	0.000246681	0.000224726	0.0005119	0.000270088	0.000216311	0.000245224	0.00022588	0.000441412	0.000270088	0.000221905
4719	0.000261035	0.000237577	0.000544414	0.000286464	0.000214145	0.00025984	0.000239146	0.00046972	0.000286464	0.000218285
4720	0.000272319	0.000247775	0.000568823	0.000298866	0.00020462	0.000271115	0.000249456	0.000490783	0.000298866	0.00020811
4721	0.000281032	0.000255712	0.000586905	0.000308239	0.000198368	0.000279716	0.000257375	0.000506303	0.000308239	0.000201452
4722	0.00027553	0.00025112	0.000570409	0.000299626	0.000195221	0.000273116	0.000251635	0.000490984	0.000299626	0.000198123
4723	0.000263583	0.000240915	0.000537425	0.000281982	0.000179539	0.000259278	0.000239427	0.00046061	0.000281982	0.000184003
4724	0.000246565	0.00022585	0.000496813	0.00026069	0.000164424	0.000241196	0.000223126	0.000424467	0.00026069	0.000170336
4725	0.000229472	0.000210933	0.000453435	0.00023873	0.000150988	0.000223054	0.000206908	0.000386808	0.00023873	0.000157278
4726	0.000207078	0.000190867	0.000402911	0.000212703	0.000140841	0.000200419	0.00018629	0.000343719	0.000212703	0.000147608
4727	0.000178572	0.000164573	0.000347685	0.00018351	0.000134346	0.000172961	0.000160736	0.00029695	0.00018351	0.000140666
4728	0.000155243	0.000142935	0.000303932	0.000160814	0.000130186	0.000150975	0.000140183	0.000260429	0.000160814	0.000136219
4729	0.00013978	0.000128492	0.000276142	0.000146727	0.000125818	0.000136793	0.000126846	0.000237674	0.000146727	0.000131521
4730	0.000127749	0.000117442	0.000252269	0.000134687	0.000129764	0.000125282	0.000116182	0.000217573	0.000134687	0.000135754
4731	0.000121538	0.000111736	0.000239948	0.000128297	0.000138297	0.000119277	0.000110616	0.000207123	0.000128297	0.000144891
4732	0.000123029	0.000113051	0.000243568	0.000130144	0.000150027	0.000120857	0.000112035	0.000210335	0.000130144	0.000157439
4733	0.000127073	0.0001168	0.000251176	0.000134143	0.000163344	0.000124693	0.000115619	0.000216714	0.000134143	0.000171693
4734	0.000134257	0.000123587	0.000263156	0.000141119	0.000171799	0.000131397	0.000122003	0.000226674	0.000141119	0.000180851
4735	0.000149807	0.000137742	0.000295556	0.000158134	0.000221513	0.000146712	0.000136121	0.000254119	0.000158134	0.0002261
4736	0.00016196	0.000148145	0.000328853	0.000175217	0.000224696	0.000159954	0.000147853	0.000282695	0.000175217	0.000229596
4737	0.00017615	0.000161043	0.000358643	0.00019075	0.000227498	0.000174073	0.000160831	0.00030838	0.00019075	0.000232572
4738	0.00019198	0.000175418	0.000392056	0.000208032	0.000229108	0.000189815	0.000175286	0.000337166	0.000208032	0.000234281
4739	0.000207484	0.000189435	0.000425529	0.000225082	0.000229446	0.000205308	0.000189458	0.000366056	0.000225082	0.000234629
4740	0.000221318	0.000201834	0.000456692	0.000241013	0.000222478	0.00021944	0.000202302	0.000393254	0.000241013	0.000228471
4741	0.000235304	0.00021447	0.000486988	0.000256812	0.000221268	0.000233568	0.000215228	0.000419582	0.000256812	0.000227182
4742	0.000248854	0.000226678	0.000516755	0.000272542	0.000216011	0.000247425	0.000227882	0.000445628	0.000272542	0.000221579
4743	0.000263517	0.000239812	0.000549889	0.000289263	0.000214179	0.000262349	0.000241434	0.000474474	0.000289263	0.000218316
4744	0.000275116	0.000250292	0.000575007	0.000302021	0.000204947	0.000273943	0.000252034	0.000496153	0.000302021	0.000208453
4745	0.000285341	0.000259594	0.000596374	0.000313097	0.000198669	0.000284071	0.000261349	0.000514525	0.000313097	0.000201767
4746	0.000279983	0.000255142	0.00058008	0.000304641	0.00019536	0.000277611	0.000255745	0.000499382	0.000304641	0.000198263
4747	0.000268425	0.000245288	0.000547924	0.000287434	0.000179601	0.000264163	0.000243895	0.000469726	0.000287434	0.00018406
4748	0.000251014	0.000229867	0.000506474	0.0002657	0.00016446	0.000245685	0.000227231	0.000432856	0.0002657	0.000170365
4749	0.000231944	0.000212903	0.000461958	0.000243014	0.00015092	0.000226027	0.000209446	0.000394202	0.000243014	0.000157196
4750	0.000210625	0.000194071	0.000410609	0.000216699	0.000140942	0.000203999	0.000189564	0.000350404	0.000216699	0.000147707
4751	0.000181178	0.000166932	0.000353269	0.000186442	0.000134587	0.000175587	0.000163143	0.000301798	0.000186442	0.000140917
4752	0.000157795	0.000145242	0.000309443	0.000163687	0.00013056	0.00015355	0.00014254	0.000265215	0.000163687	0.000136613
4753	0.00013978	0.000128492	0.000276142	0.000146727	0.000125818	0.000136793	0.000126846	0.000237674	0.000146727	0.000131521
4754	0.000127749	0.000117442	0.000252269	0.000134687	0.000129764	0.000125282	0.000116182	0.000217573	0.000134687	0.000135754
4755	0.000121538	0.000111736	0.000239948	0.000128297	0.000138297	0.000119277	0.000110616	0.000207123	0.000128297	0.000144891
4756	0.000123029	0.000113051	0.000243568	0.000130144	0.000150027	0.000120857	0.000112035	0.000210335	0.000130144	0.000157439
4757	0.000127073	0.0001168	0.000251176	0.000134143	0.000163344	0.000124693	0.000115619	0.000216714	0.000134143	0.000171693
4758	0.000134257	0.000123587	0.000263156	0.000141119	0.000171799	0.000131397	0.000122003	0.000226674	0.000141119	0.000180851
4759	0.000149807	0.000137742	0.000295556	0.000158134	0.000221513	0.000146712	0.000136121	0.000254119	0.000158134	0.0002261
4760	0.00016196	0.000148145	0.000328853	0.000175217	0.000224696	0.000159954	0.000147853	0.000282695	0.000175217	0.000229596
4761	0.00017615	0.000161043	0.000358643	0.00019075	0.000227498	0.000174073	0.000160831	0.00030838	0.00019075	0.000232572
4762	0.00019198	0.000175418	0.000392056	0.000208032	0.000229108	0.000189815	0.000175286	0.000337166	0.000208032	0.000234281
4763	0.000207484	0.000189435	0.000425529	0.000225082	0.000229446	0.000205308	0.000189458	0.000366056	0.000225082	0.000234629
4764	0.000221318	0.000201834	0.000456692	0.000241013	0.000222478	0.00021944	0.000202302	0.000393254	0.000241013	0.000228471
4765	0.000235304	0.00021447	0.000486988	0.000256812	0.000221268	0.000233568	0.000215228	0.000419582	0.000256812	0.000227182
4766	0.000248854	0.000226678	0.000516755	0.000272542	0.000216011	0.000247425	0.000227882	0.000445628	0.000272542	0.000221579
4767	0.000263517	0.000239812	0.000549889	0.000289263	0.000214179	0.000262349	0.000241434	0.000474474	0.000289263	0.000218316
4768	0.000275116	0.000250292	0.000575007	0.000302021	0.000204947	0.000273943	0.000252034	0.000496153	0.000302021	0.000208453
4769	0.000285341	0.000259594	0.000596374	0.000313097	0.000198669	0.000284071	0.000261349	0.000514525	0.000313097	0.000201767
4770	0.000279983	0.000255142	0.00058008	0.000304641	0.00019536	0.000277611	0.000255745	0.000499382	0.000304641	0.000198263
4771	0.000268425	0.000245288	0.000547924	0.000287434	0.000179601	0.000264163	0.000243895	0.000469726	0.000287434	0.00018406
4772	0.000251014	0.000229867	0.000506474	0.0002657	0.00016446	0.000245685	0.000227231	0.000432856	0.0002657	0.000170365
4773	0.000231944	0.000212903	0.000461958	0.000243014	0.00015092	0.000226027	0.000209446	0.000394202	0.000243014	0.000157196
4774	0.000210625	0.000194071	0.000410609	0.000216699	0.000140942	0.000203999	0.000189564	0.000350404	0.000216699	0.000147707
4775	0.000181178	0.000166932	0.000353269	0.000186442	0.000134587	0.000175587	0.000163143	0.000301798	0.000186442	0.000140917
4776	0.000157795	0.000145242	0.000309443	0.000163687	0.00013056	0.00015355	0.00014254	0.000265215	0.000163687	0.000136613
4777	0.000139174	0.000127949	0.00027478	0.000146042	0.000126453	0.000136179	0.000126289	0.00023649	0.000146042	0.000132199
4778	0.000127611	0.000117318	0.000251963	0.000134531	0.000129848	0.000125142	0.000116055	0.000217307	0.000134531	0.000135844
4779	0.000121488	0.000111688	0.000239885	0.000128243	0.00013838	0.000119229	0.000110569	0.000207069	0.000128243	0.000144981

4780	0.000122528	0.000112596	0.000242509	0.000129581	0.000150193	0.000120353	0.000111572	0.000209416	0.000129581	0.000157617
4781	0.000126585	0.000116352	0.000250206	0.000133598	0.000163338	0.000124205	0.000115167	0.000215872	0.000133598	0.000171687
4782	0.000133525	0.00012292	0.000261644	0.000140299	0.000171694	0.000130663	0.000121326	0.000225363	0.000140299	0.000180738
4783	0.000147608	0.000135503	0.000293851	0.000157155	0.000221497	0.000144967	0.000134352	0.000252632	0.000157155	0.000226085
4784	0.000162098	0.000148264	0.000329213	0.000175374	0.000224693	0.000160097	0.000147978	0.000283007	0.000175374	0.000229594
4785	0.000176992	0.000161795	0.000360571	0.000191702	0.000227477	0.000174929	0.000161606	0.000310054	0.000191702	0.000232551
4786	0.000192441	0.000175831	0.00039309	0.000208553	0.000229188	0.000190282	0.000175711	0.000338065	0.000208553	0.000234369
4787	0.00020669	0.000188714	0.000423855	0.00022419	0.000229582	0.000204509	0.000188724	0.000364603	0.00022419	0.000234777
4788	0.000220356	0.000200973	0.000454518	0.000239926	0.000222743	0.000218464	0.000201417	0.000391366	0.000239926	0.000228757
4789	0.000234098	0.000213386	0.000484306	0.000255451	0.000221639	0.000232347	0.000214116	0.000417253	0.000255451	0.000227581
4790	0.000246681	0.000224726	0.0005119	0.000270088	0.000216311	0.000245224	0.00022588	0.000441412	0.000270088	0.000221905
4791	0.000261035	0.000237577	0.000544414	0.000286464	0.000214145	0.00025984	0.000239146	0.00046972	0.000286464	0.000218285
4792	0.000272319	0.000247775	0.000568823	0.000298866	0.00020462	0.000271115	0.000249456	0.000490783	0.000298866	0.00020811
4793	0.000281032	0.000255712	0.000586905	0.000308239	0.000198368	0.000279716	0.000257375	0.000506303	0.000308239	0.000201452
4794	0.00027553	0.00025112	0.000570409	0.000299626	0.000195221	0.000273116	0.000251635	0.000490984	0.000299626	0.000198123
4795	0.000263583	0.000240915	0.000537425	0.000281982	0.000179539	0.000259278	0.000239427	0.00046061	0.000281982	0.000184003
4796	0.000246565	0.00022585	0.000496813	0.00026069	0.000164424	0.000241196	0.000223126	0.000424467	0.00026069	0.000170336
4797	0.000229472	0.000210933	0.000453435	0.00023873	0.000150988	0.000223054	0.000206908	0.000386808	0.00023873	0.000157278
4798	0.000207078	0.000190867	0.000402911	0.000212703	0.000140841	0.000200419	0.00018629	0.000343719	0.000212703	0.000147608
4799	0.000178572	0.000164573	0.000347685	0.00018351	0.000134346	0.000172961	0.000160736	0.00029695	0.00018351	0.000140666
4800	0.000155243	0.000142935	0.000303932	0.000160814	0.000130186	0.000150975	0.000140183	0.000260429	0.000160814	0.000136219
4801	0.000139174	0.000127949	0.00027478	0.000146042	0.000126453	0.000136179	0.000126289	0.00023649	0.000146042	0.000132199
4802	0.000127611	0.000117318	0.000251963	0.000134531	0.000129848	0.000125142	0.000116055	0.000217307	0.000134531	0.000135844
4803	0.000121488	0.000111688	0.000239885	0.000128243	0.00013838	0.000119229	0.000110569	0.000207069	0.000128243	0.000144981
4804	0.000122528	0.000112596	0.000242509	0.000129581	0.000150193	0.000120353	0.000111572	0.000209416	0.000129581	0.000157617
4805	0.000126585	0.000116352	0.000250206	0.000133598	0.000163338	0.000124205	0.000115167	0.000215872	0.000133598	0.000171687
4806	0.000133525	0.00012292	0.000261644	0.000140299	0.000171694	0.000130663	0.000121326	0.000225363	0.000140299	0.000180738
4807	0.000147608	0.000135503	0.000293851	0.000157155	0.000221497	0.000144967	0.000134352	0.000252632	0.000157155	0.000226085
4808	0.000162098	0.000148264	0.000329213	0.000175374	0.000224693	0.000160097	0.000147978	0.000283007	0.000175374	0.000229594
4809	0.000176992	0.000161795	0.000360571	0.000191702	0.000227477	0.000174929	0.000161606	0.000310054	0.000191702	0.000232551
4810	0.000192441	0.000175831	0.00039309	0.000208553	0.000229188	0.000190282	0.000175711	0.000338065	0.000208553	0.000234369
4811	0.00020669	0.000188714	0.000423855	0.00022419	0.000229582	0.000204509	0.000188724	0.000364603	0.00022419	0.000234777
4812	0.000220356	0.000200973	0.000454518	0.000239926	0.000222743	0.000218464	0.000201417	0.000391366	0.000239926	0.000228757
4813	0.000234098	0.000213386	0.000484306	0.000255451	0.000221639	0.000232347	0.000214116	0.000417253	0.000255451	0.000227581
4814	0.000246681	0.000224726	0.0005119	0.000270088	0.000216311	0.000245224	0.00022588	0.000441412	0.000270088	0.000221905
4815	0.000261035	0.000237577	0.000544414	0.000286464	0.000214145	0.00025984	0.000239146	0.00046972	0.000286464	0.000218285
4816	0.000272319	0.000247775	0.000568823	0.000298866	0.00020462	0.000271115	0.000249456	0.000490783	0.000298866	0.00020811
4817	0.000281032	0.000255712	0.000586905	0.000308239	0.000198368	0.000279716	0.000257375	0.000506303	0.000308239	0.000201452
4818	0.00027553	0.00025112	0.000570409	0.000299626	0.000195221	0.000273116	0.000251635	0.000490984	0.000299626	0.000198123
4819	0.000263583	0.000240915	0.000537425	0.000281982	0.000179539	0.000259278	0.000239427	0.00046061	0.000281982	0.000184003
4820	0.000246565	0.00022585	0.000496813	0.00026069	0.000164424	0.000241196	0.000223126	0.000424467	0.00026069	0.000170336
4821	0.000229472	0.000210933	0.000453435	0.00023873	0.000150988	0.000223054	0.000206908	0.000386808	0.00023873	0.000157278
4822	0.000207078	0.000190867	0.000402911	0.000212703	0.000140841	0.000200419	0.00018629	0.000343719	0.000212703	0.000147608
4823	0.000178572	0.000164573	0.000347685	0.00018351	0.000134346	0.000172961	0.000160736	0.00029695	0.00018351	0.000140666
4824	0.000155243	0.000142935	0.000303932	0.000160814	0.000130186	0.000150975	0.000140183	0.000260429	0.000160814	0.000136219
4825	0.000139174	0.000127949	0.00027478	0.000146042	0.000126453	0.000136179	0.000126289	0.00023649	0.000146042	0.000132199
4826	0.000127611	0.000117318	0.000251963	0.000134531	0.000129848	0.000125142	0.000116055	0.000217307	0.000134531	0.000135844
4827	0.000121488	0.000111688	0.000239885	0.000128243	0.00013838	0.000119229	0.000110569	0.000207069	0.000128243	0.000144981
4828	0.000122528	0.000112596	0.000242509	0.000129581	0.000150193	0.000120353	0.000111572	0.000209416	0.000129581	0.000157617
4829	0.000126585	0.000116352	0.000250206	0.000133598	0.000163338	0.000124205	0.000115167	0.000215872	0.000133598	0.000171687
4830	0.000133525	0.00012292	0.000261644	0.000140299	0.000171694	0.000130663	0.000121326	0.000225363	0.000140299	0.000180738
4831	0.000147608	0.000135503	0.000293851	0.000157155	0.000221497	0.000144967	0.000134352	0.000252632	0.000157155	0.000226085
4832	0.000162098	0.000148264	0.000329213	0.000175374	0.000224693	0.000160097	0.000147978	0.000283007	0.000175374	0.000229594
4833	0.000176992	0.000161795	0.000360571	0.000191702	0.000227477	0.000174929	0.000161606	0.000310054	0.000191702	0.000232551
4834	0.000192441	0.000175831	0.00039309	0.000208553	0.000229188	0.000190282	0.000175711	0.000338065	0.000208553	0.000234369
4835	0.00020669	0.000188714	0.000423855	0.00022419	0.000229582	0.000204509	0.000188724	0.000364603	0.00022419	0.000234777
4836	0.000220356	0.000200973	0.000454518	0.000239926	0.000222743	0.000218464	0.000201417	0.000391366	0.000239926	0.000228757
4837	0.000234098	0.000213386	0.000484306	0.000255451	0.000221639	0.000232347	0.000214116	0.000417253	0.000255451	0.000227581
4838	0.000246681	0.000224726	0.0005119	0.000270088	0.000216311	0.000245224	0.00022588	0.000441412	0.000270088	0.000221905
4839	0.000261035	0.000237577	0.000544414	0.000286464	0.000214145	0.00025984	0.000239146	0.00046972	0.000286464	0.000218285
4840	0.000272319	0.000247775	0.000568823	0.000298866	0.00020462	0.000271115	0.000249456	0.000490783	0.000298866	0.00020811
4841	0.000281032	0.000255712	0.000586905	0.000308239	0.000198368	0.000279716	0.000257375	0.000506303	0.000308239	0.000201452
4842	0.00027553	0.00025112	0.000570409	0.000299626	0.000195221	0.000273116	0.000251635	0.000490984	0.000299626	0.000198123
4843	0.000263583	0.000240915	0.000537425	0.000281982	0.000179539	0.000259278	0.000239427	0.00046061	0.000281982	0.000184003
4844	0.000246565	0.00022585	0.000496813	0.00026069	0.000164424	0.000241196	0.000223126	0.000424467	0.00026069	0.000170336
4845	0.000229472	0.000210933	0.000453435	0.00023873	0.000150988	0.000223054	0.000206908	0.000386808	0.00023873	0.000157278
4846	0.000207078	0.000190867	0.000402911	0.000212703	0.000140841	0.000200419	0.00018629	0.000343719	0.000212703	0.000147608
4847	0.000178572	0.000164573	0.000347685	0.00018351	0.000134346	0.000172961	0.000160736	0.00029695	0.00018351	0.000140666
4848	0.000155243	0.000142935	0.000303932	0.000160814	0.000130186	0.000150975	0.000140183	0.000260429	0.000160814	0.000136219
4849	0.000139174	0.000127949	0.00027478	0.000146042	0.000126453	0.000136179	0.000126289	0.00023649	0.000146042	0.000132199
4850	0.000127611	0.000117318	0.000251963	0.000134531	0.000129848	0.000125142	0.000116055	0.000217307	0.000134531	0.000135844
4851	0.000121488	0.000111688	0.000239885	0.000128243	0.00013838	0.000119229	0.000110569	0.000207069	0.000128243	0.000144981
4852	0.000122528	0.000112596	0.000242509	0.000129581	0.000150193	0.000120353	0.000111572	0.000209416	0.000129581	0.000157617
4853	0.000126585	0.000116352	0.000250206	0.000133598	0.000163338	0.000124205	0.000115167	0.000215872	0.000133598	0.000171687
4854	0.000133525	0.00012292	0.000261644	0.000140299	0.000171694	0.000130663	0.000121326	0.000225363	0.000140299	0.000180738
4855	0.000147608	0.000135503	0.000293851	0.000157155	0.000221497	0.000144967	0.000134352	0.000252632	0.000157155	0.000226085

4856	0.000162098	0.000148264	0.000329213	0.000175374	0.000224693	0.000160097	0.000147978	0.000283007	0.000175374	0.000229594
4857	0.000176992	0.000161795	0.000360571	0.000191702	0.000227477	0.000174929	0.000161606	0.000310054	0.000191702	0.000232551
4858	0.000192441	0.000175831	0.00039309	0.000208553	0.000229188	0.000190282	0.000175711	0.000338065	0.000208553	0.000234369
4859	0.00020669	0.000188714	0.000423855	0.00022419	0.000229582	0.000204509	0.000188724	0.000364603	0.00022419	0.000234777
4860	0.000220356	0.000200973	0.000454518	0.000239926	0.000222743	0.000218464	0.000201417	0.000391366	0.000239926	0.000228757
4861	0.000234098	0.000213386	0.000484306	0.000255451	0.000221639	0.000232347	0.000214116	0.000417253	0.000255451	0.000227581
4862	0.000246681	0.000224726	0.0005119	0.000270088	0.000216311	0.000245224	0.00022588	0.000441412	0.000270088	0.000221905
4863	0.000261035	0.000237577	0.000544414	0.000286464	0.000214145	0.00025984	0.000239146	0.00046972	0.000286464	0.000218285
4864	0.000272319	0.000247775	0.000568823	0.000298866	0.00020462	0.000271115	0.000249456	0.000490783	0.000298866	0.00020811
4865	0.000281032	0.000255712	0.000586905	0.000308239	0.000198368	0.000279716	0.000257375	0.000506303	0.000308239	0.000201452
4866	0.00027553	0.00025112	0.000570409	0.000299626	0.000195221	0.000273116	0.000251635	0.000490984	0.000299626	0.000198123
4867	0.000263583	0.000240915	0.000537425	0.000281982	0.000179539	0.000259278	0.000239427	0.00046061	0.000281982	0.000184003
4868	0.000246565	0.00022585	0.000496813	0.00026069	0.000164424	0.000241196	0.000223126	0.000424467	0.00026069	0.000170336
4869	0.000229472	0.000210933	0.000453435	0.00023873	0.000150988	0.000223054	0.000206908	0.000386808	0.00023873	0.000157278
4870	0.000207078	0.000190867	0.000402911	0.000212703	0.000140841	0.000200419	0.00018629	0.000343719	0.000212703	0.000147608
4871	0.000178572	0.000164573	0.000347685	0.00018351	0.000134346	0.000172961	0.000160736	0.00029695	0.00018351	0.000140666
4872	0.000155243	0.000142935	0.000303932	0.000160814	0.000130186	0.000150975	0.000140183	0.000260429	0.000160814	0.000136219
4873	0.000139174	0.000127949	0.00027478	0.000146042	0.000126453	0.000136179	0.000126289	0.00023649	0.000146042	0.000132199
4874	0.000127611	0.000117318	0.000251963	0.000134531	0.000129848	0.000125142	0.000116055	0.000217307	0.000134531	0.000135844
4875	0.000121488	0.000111688	0.000239885	0.000128243	0.00013838	0.000119229	0.000110569	0.000207069	0.000128243	0.000144981
4876	0.000122528	0.000112596	0.000242509	0.000129581	0.000150193	0.000120353	0.000111572	0.000209416	0.000129581	0.000157617
4877	0.000126585	0.000116352	0.000250206	0.000133598	0.000163338	0.000124205	0.000115167	0.000215872	0.000133598	0.000171687
4878	0.000133525	0.00012292	0.000261644	0.000140299	0.000171694	0.000130663	0.000121326	0.000225363	0.000140299	0.000180738
4879	0.000147608	0.000135503	0.000293851	0.000157155	0.000221497	0.000144967	0.000134352	0.000252632	0.000157155	0.000226085
4880	0.000162098	0.000148264	0.000329213	0.000175374	0.000224693	0.000160097	0.000147978	0.000283007	0.000175374	0.000229594
4881	0.000176992	0.000161795	0.000360571	0.000191702	0.000227477	0.000174929	0.000161606	0.000310054	0.000191702	0.000232551
4882	0.000192441	0.000175831	0.00039309	0.000208553	0.000229188	0.000190282	0.000175711	0.000338065	0.000208553	0.000234369
4883	0.00020669	0.000188714	0.000423855	0.00022419	0.000229582	0.000204509	0.000188724	0.000364603	0.00022419	0.000234777
4884	0.000220356	0.000200973	0.000454518	0.000239926	0.000222743	0.000218464	0.000201417	0.000391366	0.000239926	0.000228757
4885	0.000234098	0.000213386	0.000484306	0.000255451	0.000221639	0.000232347	0.000214116	0.000417253	0.000255451	0.000227581
4886	0.000246681	0.000224726	0.0005119	0.000270088	0.000216311	0.000245224	0.00022588	0.000441412	0.000270088	0.000221905
4887	0.000261035	0.000237577	0.000544414	0.000286464	0.000214145	0.00025984	0.000239146	0.00046972	0.000286464	0.000218285
4888	0.000272319	0.000247775	0.000568823	0.000298866	0.00020462	0.000271115	0.000249456	0.000490783	0.000298866	0.00020811
4889	0.000281032	0.000255712	0.000586905	0.000308239	0.000198368	0.000279716	0.000257375	0.000506303	0.000308239	0.000201452
4890	0.00027553	0.00025112	0.000570409	0.000299626	0.000195221	0.000273116	0.000251635	0.000490984	0.000299626	0.000198123
4891	0.000263583	0.000240915	0.000537425	0.000281982	0.000179539	0.000259278	0.000239427	0.00046061	0.000281982	0.000184003
4892	0.000246565	0.00022585	0.000496813	0.00026069	0.000164424	0.000241196	0.000223126	0.000424467	0.00026069	0.000170336
4893	0.000229472	0.000210933	0.000453435	0.00023873	0.000150988	0.000223054	0.000206908	0.000386808	0.00023873	0.000157278
4894	0.000207078	0.000190867	0.000402911	0.000212703	0.000140841	0.000200419	0.00018629	0.000343719	0.000212703	0.000147608
4895	0.000178572	0.000164573	0.000347685	0.00018351	0.000134346	0.000172961	0.000160736	0.00029695	0.00018351	0.000140666
4896	0.000155243	0.000142935	0.000303932	0.000160814	0.000130186	0.000150975	0.000140183	0.000260429	0.000160814	0.000136219
4897	0.00013978	0.000128492	0.000276142	0.000146727	0.000125818	0.000136793	0.000126846	0.000237674	0.000146727	0.000131521
4898	0.000127749	0.000117442	0.000252269	0.000134687	0.000129764	0.000125282	0.000116182	0.000217573	0.000134687	0.000135754
4899	0.000121538	0.000111736	0.000239948	0.000128297	0.000138297	0.000119277	0.000110616	0.000207123	0.000128297	0.000144891
4900	0.000123029	0.000113051	0.000243568	0.000130144	0.000150027	0.000120857	0.000112035	0.000210335	0.000130144	0.000157439
4901	0.000127073	0.0001168	0.000251176	0.000134143	0.000163344	0.000124693	0.000115619	0.000216714	0.000134143	0.000171693
4902	0.000134257	0.000123587	0.000263156	0.000141119	0.000171799	0.000131397	0.000122003	0.000226674	0.000141119	0.000180851
4903	0.000149807	0.000137742	0.000295556	0.000158134	0.000221513	0.000146712	0.000136121	0.000254119	0.000158134	0.0002261
4904	0.00016196	0.000148145	0.000328853	0.000175217	0.000224696	0.000159954	0.000147853	0.000282695	0.000175217	0.000229596
4905	0.00017615	0.000161043	0.000358643	0.00019075	0.000227498	0.000174073	0.000160831	0.00030838	0.00019075	0.000232572
4906	0.00019198	0.000175418	0.000392056	0.000208032	0.000229108	0.000189815	0.000175286	0.000337166	0.000208032	0.000234281
4907	0.000207484	0.000189435	0.000425529	0.000225082	0.000229446	0.000205308	0.000189458	0.000366056	0.000225082	0.000234629
4908	0.000221318	0.000201834	0.000456692	0.000241013	0.000222478	0.00021944	0.000202302	0.000393254	0.000241013	0.000228471
4909	0.000235304	0.00021447	0.000486988	0.000256812	0.000221268	0.000233568	0.000215228	0.000419582	0.000256812	0.000227182
4910	0.000248854	0.000226678	0.000516755	0.000272542	0.000216011	0.000247425	0.000227882	0.000445628	0.000272542	0.000221579
4911	0.000263517	0.000239812	0.000549889	0.000289263	0.000214179	0.000262349	0.000241434	0.000474474	0.000289263	0.000218316
4912	0.000275116	0.000250292	0.000575007	0.000302021	0.000204947	0.000273943	0.000252034	0.000496153	0.000302021	0.000208453
4913	0.000285341	0.000259594	0.000596374	0.000313097	0.000198669	0.000284071	0.000261349	0.000514525	0.000313097	0.000201767
4914	0.000279983	0.000255142	0.00058008	0.000304641	0.00019536	0.000277611	0.000255745	0.000499382	0.000304641	0.000198263
4915	0.000268425	0.000245288	0.000547924	0.000287434	0.000179601	0.000264163	0.000243895	0.000469726	0.000287434	0.00018406
4916	0.000251014	0.000229867	0.000506474	0.0002657	0.00016446	0.000245685	0.000227231	0.000432856	0.0002657	0.000170365
4917	0.000231944	0.000212903	0.000461958	0.000243014	0.00015092	0.000226027	0.000209446	0.000394202	0.000243014	0.000157196
4918	0.000210625	0.000194071	0.000410609	0.000216699	0.000140942	0.000203999	0.000189564	0.000350404	0.000216699	0.000147707
4919	0.000181178	0.000166932	0.000353269	0.000186442	0.000134587	0.000175587	0.000163143	0.000301798	0.000186442	0.000140917
4920	0.000157795	0.000145242	0.000309443	0.000163687	0.00013056	0.00015355	0.00014254	0.000265215	0.000163687	0.000136613
4921	0.00013978	0.000128492	0.000276142	0.000146727	0.000125818	0.000136793	0.000126846	0.000237674	0.000146727	0.000131521
4922	0.000127749	0.000117442	0.000252269	0.000134687	0.000129764	0.000125282	0.000116182	0.000217573	0.000134687	0.000135754
4923	0.000121538	0.000111736	0.000239948	0.000128297	0.000138297	0.000119277	0.000110616	0.000207123	0.000128297	0.000144891
4924	0.000123029	0.000113051	0.000243568	0.000130144	0.000150027	0.000120857	0.000112035	0.000210335	0.000130144	0.000157439
4925	0.000127073	0.0001168	0.000251176	0.000134143	0.000163344	0.000124693	0.000115619	0.000216714	0.000134143	0.000171693
4926	0.000134257	0.000123587	0.000263156	0.000141119	0.000171799	0.000131397	0.000122003	0.000226674	0.000141119	0.000180851
4927	0.000149807	0.000137742	0.000295556	0.000158134	0.000221513	0.000146712	0.000136121	0.000254119	0.000158134	0.0002261
4928	0.00016196	0.000148145	0.000328853	0.000175217	0.000224696	0.000159954	0.000147853	0.000282695	0.000175217	0.000229596
4929	0.00017615	0.000161043	0.000358643	0.00019075	0.000227498	0.000174073	0.000160831	0.00030838	0.00019075	0.000232572
4930	0.00019198	0.000175418	0.000392056	0.000208032	0.000229108	0.000189815	0.000175286	0.000337166	0.000208032	0.000234281
4931	0.000207484	0.000189435	0.000425529	0.000225082	0.000229446	0.000205308	0.000189458	0.000366056	0.000225082	0.000234629

4932	0.000221318	0.000201834	0.000456692	0.000241013	0.000222478	0.00021944	0.000202302	0.000393254	0.000241013	0.000228471
4933	0.000235304	0.00021447	0.000486988	0.000256812	0.000221268	0.000233568	0.000215228	0.000419582	0.000256812	0.000227182
4934	0.000248854	0.000226678	0.000516755	0.000272542	0.000216011	0.000247425	0.000227882	0.000445628	0.000272542	0.000221579
4935	0.000263517	0.000239812	0.000549889	0.000289263	0.000214179	0.000262349	0.000241434	0.000474474	0.000289263	0.000218316
4936	0.000275116	0.000250292	0.000575007	0.000302021	0.000204947	0.000273943	0.000252034	0.000496153	0.000302021	0.000208453
4937	0.000285341	0.000259594	0.000596374	0.000313097	0.000198669	0.000284071	0.000261349	0.000514525	0.000313097	0.000201767
4938	0.000279983	0.000255142	0.00058008	0.000304641	0.00019536	0.000277611	0.000255745	0.000499382	0.000304641	0.000198263
4939	0.000268425	0.000245288	0.000547924	0.000287434	0.000179601	0.000264163	0.000243895	0.000469726	0.000287434	0.00018406
4940	0.000251014	0.000229867	0.000506474	0.0002657	0.00016446	0.000245685	0.000227231	0.000432856	0.0002657	0.000170365
4941	0.000231944	0.000212903	0.000461958	0.000243014	0.00015092	0.000226027	0.000209446	0.000394202	0.000243014	0.000157196
4942	0.000210625	0.000194071	0.000410609	0.000216699	0.000140942	0.000203999	0.000189564	0.000350404	0.000216699	0.000147707
4943	0.000181178	0.000166932	0.000353269	0.000186442	0.000134587	0.000175587	0.000163143	0.000301798	0.000186442	0.000140917
4944	0.000157795	0.000145242	0.000309443	0.000163687	0.00013056	0.00015355	0.00014254	0.000265215	0.000163687	0.000136613
4945	0.000139174	0.000127949	0.00027478	0.000146042	0.000126453	0.000136179	0.000126289	0.00023649	0.000146042	0.000132199
4946	0.000127611	0.000117318	0.000251963	0.000134531	0.000129848	0.000125142	0.000116055	0.000217307	0.000134531	0.000135844
4947	0.000121488	0.000111688	0.000239885	0.000128243	0.00013838	0.000119229	0.000110569	0.000207069	0.000128243	0.000144981
4948	0.000122528	0.000112596	0.000242509	0.000129581	0.000150193	0.000120353	0.000111572	0.000209416	0.000129581	0.000157617
4949	0.000126585	0.000116352	0.000250206	0.000133598	0.000163338	0.000124205	0.000115167	0.000215872	0.000133598	0.000171687
4950	0.000133525	0.00012292	0.000261644	0.000140299	0.000171694	0.000130663	0.000121326	0.000225363	0.000140299	0.000180738
4951	0.000147608	0.000135503	0.000293851	0.000157155	0.000221497	0.000144967	0.000134352	0.000252632	0.000157155	0.000226085
4952	0.000162098	0.000148264	0.000329213	0.000175374	0.000224693	0.000160097	0.000147978	0.000283007	0.000175374	0.000229594
4953	0.000176992	0.000161795	0.000360571	0.000191702	0.000227477	0.000174929	0.000161606	0.000310054	0.000191702	0.000232551
4954	0.000192441	0.000175831	0.00039309	0.000208553	0.000229188	0.000190282	0.000175711	0.000338065	0.000208553	0.000234369
4955	0.00020669	0.000188714	0.000423855	0.00022419	0.000229582	0.000204509	0.000188724	0.000364603	0.00022419	0.000234777
4956	0.000220356	0.000200973	0.000454518	0.000239926	0.000222743	0.000218464	0.000201417	0.000391366	0.000239926	0.000228757
4957	0.000234098	0.000213386	0.000484306	0.000255451	0.000221639	0.000232347	0.000214116	0.000417253	0.000255451	0.000227581
4958	0.000246681	0.000224726	0.0005119	0.000270088	0.000216311	0.000245224	0.00022588	0.000441412	0.000270088	0.000221905
4959	0.000261035	0.000237577	0.000544414	0.000286464	0.000214145	0.00025984	0.000239146	0.00046972	0.000286464	0.000218285
4960	0.000272319	0.000247775	0.000568823	0.000298866	0.00020462	0.000271115	0.000249456	0.000490783	0.000298866	0.00020811
4961	0.000281032	0.000255712	0.000586905	0.000308239	0.000198368	0.000279716	0.000257375	0.000506303	0.000308239	0.000201452
4962	0.00027553	0.00025112	0.000570409	0.000299626	0.000195221	0.000273116	0.000251635	0.000490984	0.000299626	0.000198123
4963	0.000263583	0.000240915	0.000537425	0.000281982	0.000179539	0.000259278	0.000239427	0.00046061	0.000281982	0.000184003
4964	0.000246565	0.00022585	0.000496813	0.00026069	0.000164424	0.000241196	0.000223126	0.000424467	0.00026069	0.000170336
4965	0.000229472	0.000210933	0.000453435	0.00023873	0.000150988	0.000223054	0.000206908	0.000386808	0.00023873	0.000157278
4966	0.000207078	0.000190867	0.000402911	0.000212703	0.000140841	0.000200419	0.00018629	0.000343719	0.000212703	0.000147608
4967	0.000178572	0.000164573	0.000347685	0.00018351	0.000134346	0.000172961	0.000160736	0.00029695	0.00018351	0.000140666
4968	0.000155243	0.000142935	0.000303932	0.000160814	0.000130186	0.000150975	0.000140183	0.000260429	0.000160814	0.000136219
4969	0.000139174	0.000127949	0.00027478	0.000146042	0.000126453	0.000136179	0.000126289	0.00023649	0.000146042	0.000132199
4970	0.000127611	0.000117318	0.000251963	0.000134531	0.000129848	0.000125142	0.000116055	0.000217307	0.000134531	0.000135844
4971	0.000121488	0.000111688	0.000239885	0.000128243	0.00013838	0.000119229	0.000110569	0.000207069	0.000128243	0.000144981
4972	0.000122528	0.000112596	0.000242509	0.000129581	0.000150193	0.000120353	0.000111572	0.000209416	0.000129581	0.000157617
4973	0.000126585	0.000116352	0.000250206	0.000133598	0.000163338	0.000124205	0.000115167	0.000215872	0.000133598	0.000171687
4974	0.000133525	0.00012292	0.000261644	0.000140299	0.000171694	0.000130663	0.000121326	0.000225363	0.000140299	0.000180738
4975	0.000147608	0.000135503	0.000293851	0.000157155	0.000221497	0.000144967	0.000134352	0.000252632	0.000157155	0.000226085
4976	0.000162098	0.000148264	0.000329213	0.000175374	0.000224693	0.000160097	0.000147978	0.000283007	0.000175374	0.000229594
4977	0.000176992	0.000161795	0.000360571	0.000191702	0.000227477	0.000174929	0.000161606	0.000310054	0.000191702	0.000232551
4978	0.000192441	0.000175831	0.00039309	0.000208553	0.000229188	0.000190282	0.000175711	0.000338065	0.000208553	0.000234369
4979	0.00020669	0.000188714	0.000423855	0.00022419	0.000229582	0.000204509	0.000188724	0.000364603	0.00022419	0.000234777
4980	0.000220356	0.000200973	0.000454518	0.000239926	0.000222743	0.000218464	0.000201417	0.000391366	0.000239926	0.000228757
4981	0.000234098	0.000213386	0.000484306	0.000255451	0.000221639	0.000232347	0.000214116	0.000417253	0.000255451	0.000227581
4982	0.000246681	0.000224726	0.0005119	0.000270088	0.000216311	0.000245224	0.00022588	0.000441412	0.000270088	0.000221905
4983	0.000261035	0.000237577	0.000544414	0.000286464	0.000214145	0.00025984	0.000239146	0.00046972	0.000286464	0.000218285
4984	0.000272319	0.000247775	0.000568823	0.000298866	0.00020462	0.000271115	0.000249456	0.000490783	0.000298866	0.00020811
4985	0.000281032	0.000255712	0.000586905	0.000308239	0.000198368	0.000279716	0.000257375	0.000506303	0.000308239	0.000201452
4986	0.00027553	0.00025112	0.000570409	0.000299626	0.000195221	0.000273116	0.000251635	0.000490984	0.000299626	0.000198123
4987	0.000263583	0.000240915	0.000537425	0.000281982	0.000179539	0.000259278	0.000239427	0.00046061	0.000281982	0.000184003
4988	0.000246565	0.00022585	0.000496813	0.00026069	0.000164424	0.000241196	0.000223126	0.000424467	0.00026069	0.000170336
4989	0.000229472	0.000210933	0.000453435	0.00023873	0.000150988	0.000223054	0.000206908	0.000386808	0.00023873	0.000157278
4990	0.000207078	0.000190867	0.000402911	0.000212703	0.000140841	0.000200419	0.00018629	0.000343719	0.000212703	0.000147608
4991	0.000178572	0.000164573	0.000347685	0.00018351	0.000134346	0.000172961	0.000160736	0.00029695	0.00018351	0.000140666
4992	0.000155243	0.000142935	0.000303932	0.000160814	0.000130186	0.000150975	0.000140183	0.000260429	0.000160814	0.000136219
4993	0.000139174	0.000127949	0.00027478	0.000146042	0.000126453	0.000136179	0.000126289	0.00023649	0.000146042	0.000132199
4994	0.000127611	0.000117318	0.000251963	0.000134531	0.000129848	0.000125142	0.000116055	0.000217307	0.000134531	0.000135844
4995	0.000121488	0.000111688	0.000239885	0.000128243	0.00013838	0.000119229	0.000110569	0.000207069	0.000128243	0.000144981
4996	0.000122528	0.000112596	0.000242509	0.000129581	0.000150193	0.000120353	0.000111572	0.000209416	0.000129581	0.000157617
4997	0.000126585	0.000116352	0.000250206	0.000133598	0.000163338	0.000124205	0.000115167	0.000215872	0.000133598	0.000171687
4998	0.000133525	0.00012292	0.000261644	0.000140299	0.000171694	0.000130663	0.000121326	0.000225363	0.000140299	0.000180738
4999	0.000147608	0.000135503	0.000293851	0.000157155	0.000221497	0.000144967	0.000134352	0.000252632	0.000157155	0.000226085
5000	0.000162098	0.000148264	0.000329213	0.000175374	0.000224693	0.000160097	0.000147978	0.000283007	0.000175374	0.000229594
5001	0.000176992	0.000161795	0.000360571	0.000191702	0.000227477	0.000174929	0.000161606	0.000310054	0.000191702	0.000232551
5002	0.000192441	0.000175831	0.00039309	0.000208553	0.000229188	0.000190282	0.000175711	0.000338065	0.000208553	0.000234369
5003	0.00020669	0.000188714	0.000423855	0.00022419	0.000229582	0.000204509	0.000188724	0.000364603	0.00022419	0.000234777
5004	0.000220356	0.000200973	0.000454518	0.000239926	0.000222743	0.000218464	0.000201417	0.000391366	0.000239926	0.000228757
5005	0.000234098	0.000213386	0.000484306	0.000255451	0.000221639	0.000232347	0.000214116	0.000417253	0.000255451	0.000227581
5006	0.000246681	0.000224726	0.0005119	0.000270088	0.000216311	0.000245224	0.00022588	0.000441412	0.000270088	0.000221905
5007	0.000261035	0.000237577	0.000544414	0.000286464	0.000214145	0.00025984	0.000239146	0.00046972	0.000286464	0.000218285

5008	0.000272319	0.000247775	0.000568823	0.000298866	0.00020462	0.000271115	0.000249456	0.000490783	0.000298866	0.00020811
5009	0.000281032	0.000255712	0.000586905	0.000308239	0.000198368	0.000279716	0.000257375	0.000506303	0.000308239	0.000201452
5010	0.00027553	0.00025112	0.000570409	0.000299626	0.000195221	0.000273116	0.000251635	0.000490984	0.000299626	0.000198123
5011	0.000263583	0.000240915	0.000537425	0.000281982	0.000179539	0.000259278	0.000239427	0.00046061	0.000281982	0.000184003
5012	0.000246565	0.00022585	0.000496813	0.00026069	0.000164424	0.000241196	0.000223126	0.000424467	0.00026069	0.000170336
5013	0.000229472	0.000210933	0.000453435	0.00023873	0.000150988	0.000223054	0.000206908	0.000386808	0.00023873	0.000157278
5014	0.000207078	0.000190867	0.000402911	0.000212703	0.000140841	0.000200419	0.00018629	0.000343719	0.000212703	0.000147608
5015	0.000178572	0.000164573	0.000347685	0.00018351	0.000134346	0.000172961	0.000160736	0.00029695	0.00018351	0.000140666
5016	0.000155243	0.000142935	0.000303932	0.000160814	0.000130186	0.000150975	0.000140183	0.000260429	0.000160814	0.000136219
5017	0.000139174	0.000127949	0.00027478	0.000146042	0.000126453	0.000136179	0.000126289	0.00023649	0.000146042	0.000132199
5018	0.000127611	0.000117318	0.000251963	0.000134531	0.000129848	0.000125142	0.000116055	0.000217307	0.000134531	0.000135844
5019	0.000121488	0.000111688	0.000239885	0.000128243	0.00013838	0.000119229	0.000110569	0.000207069	0.000128243	0.000144981
5020	0.000122528	0.000112596	0.000242509	0.000129581	0.000150193	0.000120353	0.000111572	0.000209416	0.000129581	0.000157617
5021	0.000126585	0.000116352	0.000250206	0.000133598	0.000163338	0.000124205	0.000115167	0.000215872	0.000133598	0.000171687
5022	0.000133525	0.00012292	0.000261644	0.000140299	0.000171694	0.000130663	0.000121326	0.000225363	0.000140299	0.000180738
5023	0.000147608	0.000135503	0.000293851	0.000157155	0.000221497	0.000144967	0.000134352	0.000252632	0.000157155	0.000226085
5024	0.000162098	0.000148264	0.000329213	0.000175374	0.000224693	0.000160097	0.000147978	0.000283007	0.000175374	0.000229594
5025	0.000176992	0.000161795	0.000360571	0.000191702	0.000227477	0.000174929	0.000161606	0.000310054	0.000191702	0.000232551
5026	0.000192441	0.000175831	0.00039309	0.000208553	0.000229188	0.000190282	0.000175711	0.000338065	0.000208553	0.000234369
5027	0.00020669	0.000188714	0.000423855	0.00022419	0.000229582	0.000204509	0.000188724	0.000364603	0.00022419	0.000234777
5028	0.000220356	0.000200973	0.000454518	0.000239926	0.000222743	0.000218464	0.000201417	0.000391366	0.000239926	0.000228757
5029	0.000234098	0.000213386	0.000484306	0.000255451	0.000221639	0.000232347	0.000214116	0.000417253	0.000255451	0.000227581
5030	0.000246681	0.000224726	0.0005119	0.000270088	0.000216311	0.000245224	0.00022588	0.000441412	0.000270088	0.000221905
5031	0.000261035	0.000237577	0.000544414	0.000286464	0.000214145	0.00025984	0.000239146	0.00046972	0.000286464	0.000218285
5032	0.000272319	0.000247775	0.000568823	0.000298866	0.00020462	0.000271115	0.000249456	0.000490783	0.000298866	0.00020811
5033	0.000281032	0.000255712	0.000586905	0.000308239	0.000198368	0.000279716	0.000257375	0.000506303	0.000308239	0.000201452
5034	0.00027553	0.00025112	0.000570409	0.000299626	0.000195221	0.000273116	0.000251635	0.000490984	0.000299626	0.000198123
5035	0.000263583	0.000240915	0.000537425	0.000281982	0.000179539	0.000259278	0.000239427	0.00046061	0.000281982	0.000184003
5036	0.000246565	0.00022585	0.000496813	0.00026069	0.000164424	0.000241196	0.000223126	0.000424467	0.00026069	0.000170336
5037	0.000229472	0.000210933	0.000453435	0.00023873	0.000150988	0.000223054	0.000206908	0.000386808	0.00023873	0.000157278
5038	0.000207078	0.000190867	0.000402911	0.000212703	0.000140841	0.000200419	0.00018629	0.000343719	0.000212703	0.000147608
5039	0.000178572	0.000164573	0.000347685	0.00018351	0.000134346	0.000172961	0.000160736	0.00029695	0.00018351	0.000140666
5040	0.000155243	0.000142935	0.000303932	0.000160814	0.000130186	0.000150975	0.000140183	0.000260429	0.000160814	0.000136219
5041	0.000139174	0.000127949	0.00027478	0.000146042	0.000126453	0.000136179	0.000126289	0.00023649	0.000146042	0.000132199
5042	0.000127611	0.000117318	0.000251963	0.000134531	0.000129848	0.000125142	0.000116055	0.000217307	0.000134531	0.000135844
5043	0.000121488	0.000111688	0.000239885	0.000128243	0.00013838	0.000119229	0.000110569	0.000207069	0.000128243	0.000144981
5044	0.000122528	0.000112596	0.000242509	0.000129581	0.000150193	0.000120353	0.000111572	0.000209416	0.000129581	0.000157617
5045	0.000126585	0.000116352	0.000250206	0.000133598	0.000163338	0.000124205	0.000115167	0.000215872	0.000133598	0.000171687
5046	0.000133525	0.00012292	0.000261644	0.000140299	0.000171694	0.000130663	0.000121326	0.000225363	0.000140299	0.000180738
5047	0.000147608	0.000135503	0.000293851	0.000157155	0.000221497	0.000144967	0.000134352	0.000252632	0.000157155	0.000226085
5048	0.000162098	0.000148264	0.000329213	0.000175374	0.000224693	0.000160097	0.000147978	0.000283007	0.000175374	0.000229594
5049	0.000176992	0.000161795	0.000360571	0.000191702	0.000227477	0.000174929	0.000161606	0.000310054	0.000191702	0.000232551
5050	0.000192441	0.000175831	0.00039309	0.000208553	0.000229188	0.000190282	0.000175711	0.000338065	0.000208553	0.000234369
5051	0.00020669	0.000188714	0.000423855	0.00022419	0.000229582	0.000204509	0.000188724	0.000364603	0.00022419	0.000234777
5052	0.000220356	0.000200973	0.000454518	0.000239926	0.000222743	0.000218464	0.000201417	0.000391366	0.000239926	0.000228757
5053	0.000234098	0.000213386	0.000484306	0.000255451	0.000221639	0.000232347	0.000214116	0.000417253	0.000255451	0.000227581
5054	0.000246681	0.000224726	0.0005119	0.000270088	0.000216311	0.000245224	0.00022588	0.000441412	0.000270088	0.000221905
5055	0.000261035	0.000237577	0.000544414	0.000286464	0.000214145	0.00025984	0.000239146	0.00046972	0.000286464	0.000218285
5056	0.000272319	0.000247775	0.000568823	0.000298866	0.00020462	0.000271115	0.000249456	0.000490783	0.000298866	0.00020811
5057	0.000281032	0.000255712	0.000586905	0.000308239	0.000198368	0.000279716	0.000257375	0.000506303	0.000308239	0.000201452
5058	0.00027553	0.00025112	0.000570409	0.000299626	0.000195221	0.000273116	0.000251635	0.000490984	0.000299626	0.000198123
5059	0.000263583	0.000240915	0.000537425	0.000281982	0.000179539	0.000259278	0.000239427	0.00046061	0.000281982	0.000184003
5060	0.000246565	0.00022585	0.000496813	0.00026069	0.000164424	0.000241196	0.000223126	0.000424467	0.00026069	0.000170336
5061	0.000229472	0.000210933	0.000453435	0.00023873	0.000150988	0.000223054	0.000206908	0.000386808	0.00023873	0.000157278
5062	0.000207078	0.000190867	0.000402911	0.000212703	0.000140841	0.000200419	0.00018629	0.000343719	0.000212703	0.000147608
5063	0.000178572	0.000164573	0.000347685	0.00018351	0.000134346	0.000172961	0.000160736	0.00029695	0.00018351	0.000140666
5064	0.000155243	0.000142935	0.000303932	0.000160814	0.000130186	0.000150975	0.000140183	0.000260429	0.000160814	0.000136219
5065	0.00013978	0.000128492	0.000276142	0.000146727	0.000125818	0.000136793	0.000126846	0.000237674	0.000146727	0.000131521
5066	0.000127749	0.000117442	0.000252269	0.000134687	0.000129764	0.000125282	0.000116182	0.000217573	0.000134687	0.000135754
5067	0.000121538	0.000111736	0.000239948	0.000128297	0.000138297	0.000119277	0.000110616	0.000207123	0.000128297	0.000144891
5068	0.000123029	0.000113051	0.000243568	0.000130144	0.000150027	0.000120857	0.000112035	0.000210335	0.000130144	0.000157439
5069	0.000127073	0.0001168	0.000251176	0.000134143	0.000163344	0.000124693	0.000115619	0.000216714	0.000134143	0.000171693
5070	0.000134257	0.000123587	0.000263156	0.000141119	0.000171799	0.000131397	0.000122003	0.000226674	0.000141119	0.000180851
5071	0.000149807	0.000137742	0.000295556	0.000158134	0.000221513	0.000146712	0.000136121	0.000254119	0.000158134	0.0002261
5072	0.00016196	0.000148145	0.000328853	0.000175217	0.000224696	0.000159954	0.000147853	0.000282695	0.000175217	0.000229596
5073	0.00017615	0.000161043	0.000358643	0.00019075	0.000227498	0.000174073	0.000160831	0.00030838	0.00019075	0.000232572
5074	0.00019198	0.000175418	0.000392056	0.000208032	0.000229108	0.000189815	0.000175286	0.000337166	0.000208032	0.000234281
5075	0.000207484	0.000189435	0.000425529	0.000225082	0.000229446	0.000205308	0.000189458	0.000366056	0.000225082	0.000234629
5076	0.000221318	0.000201834	0.000456692	0.000241013	0.000222478	0.00021944	0.000202302	0.000393254	0.000241013	0.000228471
5077	0.000235304	0.00021447	0.000486988	0.000256812	0.000221268	0.000233568	0.000215228	0.000419582	0.000256812	0.000227182
5078	0.000248854	0.000226678	0.000516755	0.000272542	0.000216011	0.000247425	0.000227882	0.000445628	0.000272542	0.000221579
5079	0.000263517	0.000239812	0.000549889	0.000289263	0.000214179	0.000262349	0.000241434	0.000474474	0.000289263	0.000218316
5080	0.000275116	0.000250292	0.000575007	0.000302021	0.000204947	0.000273943	0.000252034	0.000496153	0.000302021	0.000208453
5081	0.000285341	0.000259594	0.000596374	0.000313097	0.000198669	0.000284071	0.000261349	0.000514525	0.000313097	0.000201767
5082	0.000279983	0.000255142	0.00058008	0.000304641	0.00019536	0.000277611	0.000255745	0.000499382	0.000304641	0.000198263
5083	0.000268425	0.000245288	0.000547924	0.000287434	0.000179601	0.000264163	0.000243895	0.000469726	0.000287434	0.00018406

5084	0.000251014	0.000229867	0.000506474	0.0002657	0.00016446	0.000245685	0.000227231	0.000432856	0.0002657	0.000170365
5085	0.000231944	0.000212903	0.000461958	0.000243014	0.00015092	0.000226027	0.000209446	0.000394202	0.000243014	0.000157196
5086	0.000210625	0.000194071	0.000410609	0.000216699	0.000140942	0.000203999	0.000189564	0.000350404	0.000216699	0.000147707
5087	0.000181178	0.000166932	0.000353269	0.000186442	0.000134587	0.000175587	0.000163143	0.000301798	0.000186442	0.000140917
5088	0.000157795	0.000145242	0.000309443	0.000163687	0.00013056	0.00015355	0.00014254	0.000265215	0.000163687	0.000136613
5089	0.00013978	0.000128492	0.000276142	0.000146727	0.000125818	0.000136793	0.000126846	0.000237674	0.000146727	0.000131521
5090	0.000127749	0.000117442	0.000252269	0.000134687	0.000129764	0.000125282	0.000116182	0.000217573	0.000134687	0.000135754
5091	0.000121538	0.000111736	0.000239948	0.000128297	0.000138297	0.000119277	0.000110616	0.000207123	0.000128297	0.000144891
5092	0.000123029	0.000113051	0.000243568	0.000130144	0.000150027	0.000120857	0.000112035	0.000210335	0.000130144	0.000157439
5093	0.000127073	0.0001168	0.000251176	0.000134143	0.000163344	0.000124693	0.000115619	0.000216714	0.000134143	0.000171693
5094	0.000134257	0.000123587	0.000263156	0.000141119	0.000171799	0.000131397	0.000122003	0.000226674	0.000141119	0.000180851
5095	0.000149807	0.000137742	0.000295556	0.000158134	0.000221513	0.000146712	0.000136121	0.000254119	0.000158134	0.0002261
5096	0.00016196	0.000148145	0.000328853	0.000175217	0.000224696	0.000159954	0.000147853	0.000282695	0.000175217	0.000229596
5097	0.00017615	0.000161043	0.000358643	0.00019075	0.000227498	0.000174073	0.000160831	0.00030838	0.00019075	0.000232572
5098	0.00019198	0.000175418	0.000392056	0.000208032	0.000229108	0.000189815	0.000175286	0.000337166	0.000208032	0.000234281
5099	0.000207484	0.000189435	0.000425529	0.000225082	0.000229446	0.000205308	0.000189458	0.000366056	0.000225082	0.000234629
5100	0.000221318	0.000201834	0.000456692	0.000241013	0.000222478	0.00021944	0.000202302	0.000393254	0.000241013	0.000228471
5101	0.000235304	0.00021447	0.000486988	0.000256812	0.000221268	0.000233568	0.000215228	0.000419582	0.000256812	0.000227182
5102	0.000248854	0.000226678	0.000516755	0.000272542	0.000216011	0.000247425	0.000227882	0.000445628	0.000272542	0.000221579
5103	0.000263517	0.000239812	0.000549889	0.000289263	0.000214179	0.000262349	0.000241434	0.000474474	0.000289263	0.000218316
5104	0.000275116	0.000250292	0.000575007	0.000302021	0.000204947	0.000273943	0.000252034	0.000496153	0.000302021	0.000208453
5105	0.000285341	0.000259594	0.000596374	0.000313097	0.000198669	0.000284071	0.000261349	0.000514525	0.000313097	0.000201767
5106	0.000279983	0.000255142	0.00058008	0.000304641	0.00019536	0.000277611	0.000255745	0.000499382	0.000304641	0.000198263
5107	0.000268425	0.000245288	0.000547924	0.000287434	0.000179601	0.000264163	0.000243895	0.000469726	0.000287434	0.00018406
5108	0.000251014	0.000229867	0.000506474	0.0002657	0.00016446	0.000245685	0.000227231	0.000432856	0.0002657	0.000170365
5109	0.000231944	0.000212903	0.000461958	0.000243014	0.00015092	0.000226027	0.000209446	0.000394202	0.000243014	0.000157196
5110	0.000210625	0.000194071	0.000410609	0.000216699	0.000140942	0.000203999	0.000189564	0.000350404	0.000216699	0.000147707
5111	0.000181178	0.000166932	0.000353269	0.000186442	0.000134587	0.000175587	0.000163143	0.000301798	0.000186442	0.000140917
5112	0.000157795	0.000145242	0.000309443	0.000163687	0.00013056	0.00015355	0.00014254	0.000265215	0.000163687	0.000136613
5113	0.000126771	0.000116749	0.000247838	0.000132073	0.000125388	0.000123661	0.000114843	0.000213097	0.000132073	0.000131124
5114	0.000117961	0.000108562	0.000231497	0.000123684	0.000127377	0.00011543	0.000107137	0.00019954	0.000123684	0.000133276
5115	0.000111847	0.000102987	0.000218872	0.000117381	0.000135998	0.000109495	0.000101673	0.000188822	0.000117381	0.000142513
5116	0.000112489	0.000103616	0.000219679	0.000118231	0.000150157	0.000110164	0.000102333	0.000189585	0.000118231	0.000157668
5117	0.000120031	0.000110579	0.000234211	0.00012614	0.000165193	0.000117491	0.000109162	0.000201971	0.00012614	0.000173747
5118	0.000129144	0.000118996	0.000251734	0.000135347	0.000171768	0.000126219	0.000117292	0.000216755	0.000135347	0.000180909
5119	0.000133544	0.000122787	0.000263495	0.000141323	0.000219444	0.000130783	0.000121368	0.000226275	0.000141323	0.000223991
5120	0.000144218	0.000132037	0.00029137	0.00015528	0.000222121	0.000142108	0.000131454	0.000250155	0.00015528	0.000226921
5121	0.000151925	0.000139101	0.000306845	0.000163501	0.000226833	0.00014967	0.000138456	0.000263408	0.000163501	0.000231931
5122	0.00016312	0.000149362	0.000329332	0.000175527	0.000227157	0.000160687	0.000148656	0.000282702	0.000175527	0.000232252
5123	0.000177733	0.000162635	0.000360123	0.00019154	0.000226018	0.000175237	0.000162023	0.000309257	0.00019154	0.00023102
5124	0.000194936	0.000178058	0.000398831	0.000211276	0.000219148	0.000192782	0.00017797	0.000343009	0.000211276	0.000224975
5125	0.000211276	0.000192786	0.000434644	0.000229743	0.000220562	0.000209309	0.000193058	0.00037413	0.000229743	0.000226496
5126	0.000228891	0.000208553	0.000474577	0.000250109	0.000217406	0.000227343	0.000209431	0.000409014	0.000250109	0.000223126
5127	0.000242068	0.000220439	0.000503365	0.000265109	0.000216033	0.000240706	0.00022164	0.000434077	0.000265109	0.000220351
5128	0.000248525	0.000226354	0.00051636	0.000272034	0.000204094	0.000247056	0.000227517	0.000445223	0.000272034	0.000207588
5129	0.000252394	0.000230071	0.000522065	0.000275872	0.000194951	0.000250666	0.000231013	0.000449982	0.000275872	0.000197831
5130	0.000250353	0.000228518	0.000514129	0.000271202	0.000189507	0.000247617	0.000228441	0.000442104	0.000271202	0.000192029
5131	0.000245637	0.000224793	0.000497443	0.000261727	0.000174059	0.00024111	0.000222891	0.000425885	0.000261727	0.000178147
5132	0.000233367	0.000214134	0.000465707	0.00024572	0.000158147	0.000227738	0.000211006	0.000397439	0.00024572	0.000163621
5133	0.000215419	0.000198264	0.000422659	0.000222892	0.000143713	0.000208857	0.000193946	0.000360083	0.000222892	0.000149503
5134	0.000190182	0.000175616	0.000366148	0.000193672	0.000132637	0.000183363	0.0001707	0.000311796	0.000193672	0.000138847
5135	0.000164711	0.000152102	0.000317029	0.000167876	0.000127799	0.000158941	0.000147959	0.000270327	0.000167876	0.000133689
5136	0.000144399	0.000133215	0.000279504	0.000148563	0.000125636	0.000139982	0.000130198	0.000239211	0.000148563	0.000131383
5137	0.000126771	0.000116749	0.000247838	0.000132073	0.000125388	0.000123661	0.000114843	0.000213097	0.000132073	0.000131124
5138	0.000117961	0.000108562	0.000231497	0.000123684	0.000127377	0.00011543	0.000107137	0.00019954	0.000123684	0.000133276
5139	0.000111847	0.000102987	0.000218872	0.000117381	0.000135998	0.000109495	0.000101673	0.000188822	0.000117381	0.000142513
5140	0.000112489	0.000103616	0.000219679	0.000118231	0.000150157	0.000110164	0.000102333	0.000189585	0.000118231	0.000157668
5141	0.000120031	0.000110579	0.000234211	0.00012614	0.000165193	0.000117491	0.000109162	0.000201971	0.00012614	0.000173747
5142	0.000129144	0.000118996	0.000251734	0.000135347	0.000171768	0.000126219	0.000117292	0.000216755	0.000135347	0.000180909
5143	0.000133544	0.000122787	0.000263495	0.000141323	0.000219444	0.000130783	0.000121368	0.000226275	0.000141323	0.000223991
5144	0.000144218	0.000132037	0.00029137	0.00015528	0.000222121	0.000142108	0.000131454	0.000250155	0.00015528	0.000226921
5145	0.000151925	0.000139101	0.000306845	0.000163501	0.000226833	0.00014967	0.000138456	0.000263408	0.000163501	0.000231931
5146	0.00016312	0.000149362	0.000329332	0.000175527	0.000227157	0.000160687	0.000148656	0.000282702	0.000175527	0.000232252
5147	0.000177733	0.000162635	0.000360123	0.00019154	0.000226018	0.000175237	0.000162023	0.000309257	0.00019154	0.00023102
5148	0.000194936	0.000178058	0.000398831	0.000211276	0.000219148	0.000192782	0.00017797	0.000343009	0.000211276	0.000224975
5149	0.000211276	0.000192786	0.000434644	0.000229743	0.000220562	0.000209309	0.000193058	0.00037413	0.000229743	0.000226496
5150	0.000228891	0.000208553	0.000474577	0.000250109	0.000217406	0.000227343	0.000209431	0.000409014	0.000250109	0.000223126
5151	0.000242068	0.000220439	0.000503365	0.000265109	0.000216033	0.000240706	0.00022164	0.000434077	0.000265109	0.000220351
5152	0.000248525	0.000226354	0.00051636	0.000272034	0.000204094	0.000247056	0.000227517	0.000445223	0.000272034	0.000207588
5153	0.000252394	0.000230071	0.000522065	0.000275872	0.000194951	0.000250666	0.000231013	0.000449982	0.000275872	0.000197831
5154	0.000250353	0.000228518	0.000514129	0.000271202	0.000189507	0.000247617	0.000228441	0.000442104	0.000271202	0.000192029
5155	0.000245637	0.000224793	0.000497443	0.000261727	0.000174059	0.00024111	0.000222891	0.000425885	0.000261727	0.000178147
5156	0.000233367	0.000214134	0.000465707	0.00024572	0.000158147	0.000227738	0.000211006	0.000397439	0.00024572	0.000163621
5157	0.000215419	0.000198264	0.000422659	0.000222892	0.000143713	0.000208857	0.000193946	0.000360083	0.000222892	0.000149503
5158	0.000190182	0.000175616	0.000366148	0.000193672	0.000132637	0.000183363	0.0001707	0.000311796	0.000193672	0.000138847
5159	0.000164711	0.000152102	0.000317029	0.000167876	0.000127799	0.000158941	0.000147959	0.000270327	0.000167876	0.000133689

5160	0.000144399	0.000133215	0.000279504	0.000148563	0.000125636	0.000139982	0.000130198	0.000239211	0.000148563	0.000131383
5161	0.000126771	0.000116749	0.000247838	0.000132073	0.000125388	0.000123661	0.000114843	0.000213097	0.000132073	0.000131124
5162	0.000117961	0.000108562	0.000231497	0.000123684	0.000127377	0.00011543	0.000107137	0.00019954	0.000123684	0.000133276
5163	0.000111847	0.000102987	0.000218872	0.000117381	0.000135998	0.000109495	0.000101673	0.000188822	0.000117381	0.000142513
5164	0.000112489	0.000103616	0.000219679	0.000118231	0.000150157	0.000110164	0.000102333	0.000189585	0.000118231	0.000157668
5165	0.000120031	0.000110579	0.000234211	0.00012614	0.000165193	0.000117491	0.000109162	0.000201971	0.00012614	0.000173747
5166	0.000129144	0.000118996	0.000251734	0.000135347	0.000171768	0.000126219	0.000117292	0.000216755	0.000135347	0.000180909
5167	0.000133544	0.000122787	0.000263495	0.000141323	0.000219444	0.000130783	0.000121368	0.000226275	0.000141323	0.000223991
5168	0.000144218	0.000132037	0.00029137	0.00015528	0.000222121	0.000142108	0.000131454	0.000250155	0.00015528	0.000226921
5169	0.000151925	0.000139101	0.000306845	0.000163501	0.000226833	0.00014967	0.000138456	0.000263408	0.000163501	0.000231931
5170	0.00016312	0.000149362	0.000329332	0.000175527	0.000227157	0.000160687	0.000148656	0.000282702	0.000175527	0.000232252
5171	0.000177733	0.000162635	0.000360123	0.00019154	0.000226018	0.000175237	0.000162023	0.000309257	0.00019154	0.00023102
5172	0.000194936	0.000178058	0.000398831	0.000211276	0.000219148	0.000192782	0.00017797	0.000343009	0.000211276	0.000224975
5173	0.000211276	0.000192786	0.000434644	0.000229743	0.000220562	0.000209309	0.000193058	0.00037413	0.000229743	0.000226496
5174	0.000228891	0.000208553	0.000474577	0.000250109	0.000217406	0.000227343	0.000209431	0.000409014	0.000250109	0.000223126
5175	0.000242068	0.000220439	0.000503365	0.000265109	0.000216033	0.000240706	0.00022164	0.000434077	0.000265109	0.000220351
5176	0.000248525	0.000226354	0.00051636	0.000272034	0.000204094	0.000247056	0.000227517	0.000445223	0.000272034	0.000207588
5177	0.000252394	0.000230071	0.000522065	0.000275872	0.000194951	0.000250666	0.000231013	0.000449982	0.000275872	0.000197831
5178	0.000250353	0.000228518	0.000514129	0.000271202	0.000189507	0.000247617	0.000228441	0.000442104	0.000271202	0.000192029
5179	0.000245637	0.000224793	0.000497443	0.000261727	0.000174059	0.00024111	0.000222891	0.000425885	0.000261727	0.000178147
5180	0.000233367	0.000214134	0.000465707	0.00024572	0.000158147	0.000227738	0.000211006	0.000397439	0.00024572	0.000163621
5181	0.000215419	0.000198264	0.000422659	0.000222892	0.000143713	0.000208857	0.000193946	0.000360083	0.000222892	0.000149503
5182	0.000190182	0.000175616	0.000366148	0.000193672	0.000132637	0.000183363	0.0001707	0.000311796	0.000193672	0.000138847
5183	0.000164711	0.000152102	0.000317029	0.000167876	0.000127799	0.000158941	0.000147959	0.000270327	0.000167876	0.000133689
5184	0.000144399	0.000133215	0.000279504	0.000148563	0.000125636	0.000139982	0.000130198	0.000239211	0.000148563	0.000131383
5185	0.000126771	0.000116749	0.000247838	0.000132073	0.000125388	0.000123661	0.000114843	0.000213097	0.000132073	0.000131124
5186	0.000117961	0.000108562	0.000231497	0.000123684	0.000127377	0.00011543	0.000107137	0.00019954	0.000123684	0.000133276
5187	0.000111847	0.000102987	0.000218872	0.000117381	0.000135998	0.000109495	0.000101673	0.000188822	0.000117381	0.000142513
5188	0.000112489	0.000103616	0.000219679	0.000118231	0.000150157	0.000110164	0.000102333	0.000189585	0.000118231	0.000157668
5189	0.000120031	0.000110579	0.000234211	0.00012614	0.000165193	0.000117491	0.000109162	0.000201971	0.00012614	0.000173747
5190	0.000129144	0.000118996	0.000251734	0.000135347	0.000171768	0.000126219	0.000117292	0.000216755	0.000135347	0.000180909
5191	0.000133544	0.000122787	0.000263495	0.000141323	0.000219444	0.000130783	0.000121368	0.000226275	0.000141323	0.000223991
5192	0.000144218	0.000132037	0.00029137	0.00015528	0.000222121	0.000142108	0.000131454	0.000250155	0.00015528	0.000226921
5193	0.000151925	0.000139101	0.000306845	0.000163501	0.000226833	0.00014967	0.000138456	0.000263408	0.000163501	0.000231931
5194	0.00016312	0.000149362	0.000329332	0.000175527	0.000227157	0.000160687	0.000148656	0.000282702	0.000175527	0.000232252
5195	0.000177733	0.000162635	0.000360123	0.00019154	0.000226018	0.000175237	0.000162023	0.000309257	0.00019154	0.00023102
5196	0.000194936	0.000178058	0.000398831	0.000211276	0.000219148	0.000192782	0.00017797	0.000343009	0.000211276	0.000224975
5197	0.000211276	0.000192786	0.000434644	0.000229743	0.000220562	0.000209309	0.000193058	0.00037413	0.000229743	0.000226496
5198	0.000228891	0.000208553	0.000474577	0.000250109	0.000217406	0.000227343	0.000209431	0.000409014	0.000250109	0.000223126
5199	0.000242068	0.000220439	0.000503365	0.000265109	0.000216033	0.000240706	0.00022164	0.000434077	0.000265109	0.000220351
5200	0.000248525	0.000226354	0.00051636	0.000272034	0.000204094	0.000247056	0.000227517	0.000445223	0.000272034	0.000207588
5201	0.000252394	0.000230071	0.000522065	0.000275872	0.000194951	0.000250666	0.000231013	0.000449982	0.000275872	0.000197831
5202	0.000250353	0.000228518	0.000514129	0.000271202	0.000189507	0.000247617	0.000228441	0.000442104	0.000271202	0.000192029
5203	0.000245637	0.000224793	0.000497443	0.000261727	0.000174059	0.00024111	0.000222891	0.000425885	0.000261727	0.000178147
5204	0.000233367	0.000214134	0.000465707	0.00024572	0.000158147	0.000227738	0.000211006	0.000397439	0.00024572	0.000163621
5205	0.000215419	0.000198264	0.000422659	0.000222892	0.000143713	0.000208857	0.000193946	0.000360083	0.000222892	0.000149503
5206	0.000190182	0.000175616	0.000366148	0.000193672	0.000132637	0.000183363	0.0001707	0.000311796	0.000193672	0.000138847
5207	0.000164711	0.000152102	0.000317029	0.000167876	0.000127799	0.000158941	0.000147959	0.000270327	0.000167876	0.000133689
5208	0.000144399	0.000133215	0.000279504	0.000148563	0.000125636	0.000139982	0.000130198	0.000239211	0.000148563	0.000131383
5209	0.000126771	0.000116749	0.000247838	0.000132073	0.000125388	0.000123661	0.000114843	0.000213097	0.000132073	0.000131124
5210	0.000117961	0.000108562	0.000231497	0.000123684	0.000127377	0.00011543	0.000107137	0.00019954	0.000123684	0.000133276
5211	0.000111847	0.000102987	0.000218872	0.000117381	0.000135998	0.000109495	0.000101673	0.000188822	0.000117381	0.000142513
5212	0.000112489	0.000103616	0.000219679	0.000118231	0.000150157	0.000110164	0.000102333	0.000189585	0.000118231	0.000157668
5213	0.000120031	0.000110579	0.000234211	0.00012614	0.000165193	0.000117491	0.000109162	0.000201971	0.00012614	0.000173747
5214	0.000129144	0.000118996	0.000251734	0.000135347	0.000171768	0.000126219	0.000117292	0.000216755	0.000135347	0.000180909
5215	0.000133544	0.000122787	0.000263495	0.000141323	0.000219444	0.000130783	0.000121368	0.000226275	0.000141323	0.000223991
5216	0.000144218	0.000132037	0.00029137	0.00015528	0.000222121	0.000142108	0.000131454	0.000250155	0.00015528	0.000226921
5217	0.000151925	0.000139101	0.000306845	0.000163501	0.000226833	0.00014967	0.000138456	0.000263408	0.000163501	0.000231931
5218	0.00016312	0.000149362	0.000329332	0.000175527	0.000227157	0.000160687	0.000148656	0.000282702	0.000175527	0.000232252
5219	0.000177733	0.000162635	0.000360123	0.00019154	0.000226018	0.000175237	0.000162023	0.000309257	0.00019154	0.00023102
5220	0.000194936	0.000178058	0.000398831	0.000211276	0.000219148	0.000192782	0.00017797	0.000343009	0.000211276	0.000224975
5221	0.000211276	0.000192786	0.000434644	0.000229743	0.000220562	0.000209309	0.000193058	0.00037413	0.000229743	0.000226496
5222	0.000228891	0.000208553	0.000474577	0.000250109	0.000217406	0.000227343	0.000209431	0.000409014	0.000250109	0.000223126
5223	0.000242068	0.000220439	0.000503365	0.000265109	0.000216033	0.000240706	0.00022164	0.000434077	0.000265109	0.000220351
5224	0.000248525	0.000226354	0.00051636	0.000272034	0.000204094	0.000247056	0.000227517	0.000445223	0.000272034	0.000207588
5225	0.000252394	0.000230071	0.000522065	0.000275872	0.000194951	0.000250666	0.000231013	0.000449982	0.000275872	0.000197831
5226	0.000250353	0.000228518	0.000514129	0.000271202	0.000189507	0.000247617	0.000228441	0.000442104	0.000271202	0.000192029
5227	0.000245637	0.000224793	0.000497443	0.000261727	0.000174059	0.00024111	0.000222891	0.000425885	0.000261727	0.000178147
5228	0.000233367	0.000214134	0.000465707	0.00024572	0.000158147	0.000227738	0.000211006	0.000397439	0.00024572	0.000163621
5229	0.000215419	0.000198264	0.000422659	0.000222892	0.000143713	0.000208857	0.000193946	0.000360083	0.000222892	0.000149503
5230	0.000190182	0.000175616	0.000366148	0.000193672	0.000132637	0.000183363	0.0001707	0.000311796	0.000193672	0.000138847
5231	0.000164711	0.000152102	0.000317029	0.000167876	0.000127799	0.000158941	0.000147959	0.000270327	0.000167876	0.000133689
5232	0.000144399	0.000133215	0.000279504	0.000148563	0.000125636	0.000139982	0.000130198	0.000239211	0.000148563	0.000131383
5233	0.000126125	0.000116172	0.000246372	0.000131343	0.000125558	0.000123006	0.000114249	0.000211823	0.000131343	0.000131302
5234	0.000117279	0.000107945	0.000230032	0.000122916	0.000127052	0.000114743	0.000106508	0.000198268	0.000122916	0.00013293
5235	0.00011107	0.000102286	0.000217178	0.000116506	0.000135713	0.00010871	0.000100956	0.000187352	0.000116506	0.00014221

5236	0.000111925	0.000103107	0.000218451	0.000117595	0.000149885	0.000109595	0.000101813	0.000188518	0.000117595	0.000157379
5237	0.000119626	0.000110214	0.000233325	0.000125684	0.000164929	0.000117083	0.000108789	0.000201201	0.000125684	0.000173466
5238	0.000129049	0.000118909	0.000251544	0.000135241	0.000171771	0.000126124	0.000117204	0.00021659	0.000135241	0.000180913
5239	0.000134913	0.000124274	0.000263431	0.000141369	0.000218903	0.000131692	0.000122372	0.000226226	0.000141369	0.000223413
5240	0.000143718	0.000131585	0.000290289	0.000154716	0.000221872	0.000141603	0.000130993	0.000249216	0.000154716	0.000226656
5241	0.00015109	0.000138342	0.000305084	0.000162563	0.000226589	0.000148831	0.000137684	0.00026188	0.000162563	0.000231673
5242	0.000161804	0.00014817	0.000326507	0.000174046	0.00022672	0.00015936	0.00014744	0.00028025	0.000174046	0.00023179
5243	0.000175757	0.000160842	0.000355929	0.000189319	0.000225511	0.000173248	0.000160197	0.000305615	0.000189319	0.000230483
5244	0.000192577	0.000175914	0.000393874	0.000208627	0.000218668	0.000190411	0.00017579	0.000338706	0.000208627	0.000224467
5245	0.000207845	0.000189684	0.000427242	0.000225882	0.000219992	0.00020585	0.000189891	0.000367702	0.000225882	0.000225891
5246	0.000224421	0.000204524	0.000464786	0.000245072	0.000216689	0.000222828	0.000205309	0.000400511	0.000245072	0.000222366
5247	0.000237367	0.0002162	0.000493063	0.00025981	0.000215498	0.000235956	0.000217303	0.000425131	0.00025981	0.000219786
5248	0.00024373	0.000222037	0.000505797	0.000266628	0.000203569	0.000242209	0.000223097	0.000436049	0.000266628	0.000207034
5249	0.000247733	0.000225865	0.000511906	0.00027062	0.000194413	0.000245959	0.000226713	0.00044116	0.00027062	0.000197262
5250	0.000245325	0.000223987	0.000503098	0.000265534	0.000188934	0.000242536	0.000223804	0.000432524	0.000265534	0.000191424
5251	0.000241378	0.000220948	0.000488183	0.00025693	0.000173421	0.000236811	0.000218961	0.000417845	0.00025693	0.000177471
5252	0.000229402	0.000210556	0.000457071	0.000241254	0.000157492	0.000223736	0.000207348	0.000389941	0.000241254	0.000162928
5253	0.000210351	0.000193432	0.000414744	0.000218683	0.00014299	0.000204218	0.000189528	0.000353203	0.000218683	0.000148737
5254	0.000187079	0.000172813	0.000359427	0.000190178	0.000131814	0.000180233	0.000167836	0.000305961	0.000190178	0.000137973
5255	0.000162299	0.000149918	0.000311869	0.000165163	0.000127048	0.000156512	0.000145732	0.000265847	0.000165163	0.000132893
5256	0.000143017	0.00013196	0.000276588	0.000147011	0.000125322	0.000138592	0.000128921	0.00023668	0.000147011	0.00013105
5257	0.000126125	0.000116172	0.000246372	0.000131343	0.000125558	0.000123006	0.000114249	0.000211823	0.000131343	0.000131302
5258	0.000117279	0.000107945	0.000230032	0.000122916	0.000127052	0.000114743	0.000106508	0.000198268	0.000122916	0.00013293
5259	0.00011107	0.000102286	0.000217178	0.000116506	0.000135713	0.00010871	0.000100956	0.000187352	0.000116506	0.00014221
5260	0.000111925	0.000103107	0.000218451	0.000117595	0.000149885	0.000109595	0.000101813	0.000188518	0.000117595	0.000157379
5261	0.000119626	0.000110214	0.000233325	0.000125684	0.000164929	0.000117083	0.000108789	0.000201201	0.000125684	0.000173466
5262	0.000129049	0.000118909	0.000251544	0.000135241	0.000171771	0.000126124	0.000117204	0.00021659	0.000135241	0.000180913
5263	0.000134913	0.000124274	0.000263431	0.000141369	0.000218903	0.000131692	0.000122372	0.000226226	0.000141369	0.000223413
5264	0.000143718	0.000131585	0.000290289	0.000154716	0.000221872	0.000141603	0.000130993	0.000249216	0.000154716	0.000226656
5265	0.00015109	0.000138342	0.000305084	0.000162563	0.000226589	0.000148831	0.000137684	0.00026188	0.000162563	0.000231673
5266	0.000161804	0.00014817	0.000326507	0.000174046	0.00022672	0.00015936	0.00014744	0.00028025	0.000174046	0.00023179
5267	0.000175757	0.000160842	0.000355929	0.000189319	0.000225511	0.000173248	0.000160197	0.000305615	0.000189319	0.000230483
5268	0.000192577	0.000175914	0.000393874	0.000208627	0.000218668	0.000190411	0.00017579	0.000338706	0.000208627	0.000224467
5269	0.000207845	0.000189684	0.000427242	0.000225882	0.000219992	0.00020585	0.000189891	0.000367702	0.000225882	0.000225891
5270	0.000224421	0.000204524	0.000464786	0.000245072	0.000216689	0.000222828	0.000205309	0.000400511	0.000245072	0.000222366
5271	0.000237367	0.0002162	0.000493063	0.00025981	0.000215498	0.000235956	0.000217303	0.000425131	0.00025981	0.000219786
5272	0.00024373	0.000222037	0.000505797	0.000266628	0.000203569	0.000242209	0.000223097	0.000436049	0.000266628	0.000207034
5273	0.000247733	0.000225865	0.000511906	0.00027062	0.000194413	0.000245959	0.000226713	0.00044116	0.00027062	0.000197262
5274	0.000245325	0.000223987	0.000503098	0.000265534	0.000188934	0.000242536	0.000223804	0.000432524	0.000265534	0.000191424
5275	0.000241378	0.000220948	0.000488183	0.00025693	0.000173421	0.000236811	0.000218961	0.000417845	0.00025693	0.000177471
5276	0.000229402	0.000210556	0.000457071	0.000241254	0.000157492	0.000223736	0.000207348	0.000389941	0.000241254	0.000162928
5277	0.000210351	0.000193432	0.000414744	0.000218683	0.00014299	0.000204218	0.000189528	0.000353203	0.000218683	0.000148737
5278	0.000187079	0.000172813	0.000359427	0.000190178	0.000131814	0.000180233	0.000167836	0.000305961	0.000190178	0.000137973
5279	0.000162299	0.000149918	0.000311869	0.000165163	0.000127048	0.000156512	0.000145732	0.000265847	0.000165163	0.000132893
5280	0.000143017	0.00013196	0.000276588	0.000147011	0.000125322	0.000138592	0.000128921	0.00023668	0.000147011	0.00013105
5281	0.000126771	0.000116749	0.000247838	0.000132073	0.000125388	0.000123661	0.000114843	0.000213097	0.000132073	0.000131124
5282	0.000117961	0.000108562	0.000231497	0.000123684	0.000127377	0.00011543	0.000107137	0.00019954	0.000123684	0.000133276
5283	0.000111847	0.000102987	0.000218872	0.000117381	0.000135998	0.000109495	0.000101673	0.000188822	0.000117381	0.000142513
5284	0.000112489	0.000103616	0.000219679	0.000118231	0.000150157	0.000110164	0.000102333	0.000189585	0.000118231	0.000157668
5285	0.000120031	0.000110579	0.000234211	0.00012614	0.000165193	0.000117491	0.000109162	0.000201971	0.00012614	0.000173747
5286	0.000129144	0.000118996	0.000251734	0.000135347	0.000171768	0.000126219	0.000117292	0.000216755	0.000135347	0.000180909
5287	0.000133544	0.000122787	0.000263495	0.000141323	0.000219444	0.000130783	0.000121368	0.000226275	0.000141323	0.000223991
5288	0.000144218	0.000132037	0.00029137	0.00015528	0.000222121	0.000142108	0.000131454	0.000250155	0.00015528	0.000226921
5289	0.000151925	0.000139101	0.000306845	0.000163501	0.000226833	0.00014967	0.000138456	0.000263408	0.000163501	0.000231931
5290	0.00016312	0.000149362	0.000329332	0.000175527	0.000227157	0.000160687	0.000148656	0.000282702	0.000175527	0.000232252
5291	0.000177733	0.000162635	0.000360123	0.00019154	0.000226018	0.000175237	0.000162023	0.000309257	0.00019154	0.00023102
5292	0.000194936	0.000178058	0.000398831	0.000211276	0.000219148	0.000192782	0.00017797	0.000343009	0.000211276	0.000224975
5293	0.000211276	0.000192786	0.000434644	0.000229743	0.000220562	0.000209309	0.000193058	0.00037413	0.000229743	0.000226496
5294	0.000228891	0.000208553	0.000474577	0.000250109	0.000217406	0.000227343	0.000209431	0.000409014	0.000250109	0.000223126
5295	0.000242068	0.000220439	0.000503365	0.000265109	0.000216033	0.000240706	0.00022164	0.000434077	0.000265109	0.000220351
5296	0.000248525	0.000226354	0.00051636	0.000272034	0.000204094	0.000247056	0.000227517	0.000445223	0.000272034	0.000207588
5297	0.000252394	0.000230071	0.000522065	0.000275872	0.000194951	0.000250666	0.000231013	0.000449982	0.000275872	0.000197831
5298	0.000250353	0.000228518	0.000514129	0.000271202	0.000189507	0.000247617	0.000228441	0.000442104	0.000271202	0.000192029
5299	0.000245637	0.000224793	0.000497443	0.000261727	0.000174059	0.00024111	0.000222891	0.000425885	0.000261727	0.000178147
5300	0.000233367	0.000214134	0.000465707	0.00024572	0.000158147	0.000227738	0.000211006	0.000397439	0.00024572	0.000163621
5301	0.000215419	0.000198264	0.000422659	0.000222892	0.000143713	0.000208857	0.000193946	0.000360083	0.000222892	0.000149503
5302	0.000190182	0.000175616	0.000366148	0.000193672	0.000132637	0.000183363	0.0001707	0.000311796	0.000193672	0.000138847
5303	0.000164711	0.000152102	0.000317029	0.000167876	0.000127799	0.000158941	0.000147959	0.000270327	0.000167876	0.000133689
5304	0.000144399	0.000133215	0.000279504	0.000148563	0.000125636	0.000139982	0.000130198	0.000239211	0.000148563	0.000131383
5305	0.000126771	0.000116749	0.000247838	0.000132073	0.000125388	0.000123661	0.000114843	0.000213097	0.000132073	0.000131124
5306	0.000117961	0.000108562	0.000231497	0.000123684	0.000127377	0.00011543	0.000107137	0.00019954	0.000123684	0.000133276
5307	0.000111847	0.000102987	0.000218872	0.000117381	0.000135998	0.000109495	0.000101673	0.000188822	0.000117381	0.000142513
5308	0.000112489	0.000103616	0.000219679	0.000118231	0.000150157	0.000110164	0.000102333	0.000189585	0.000118231	0.000157668
5309	0.000120031	0.000110579	0.000234211	0.00012614	0.000165193	0.000117491	0.000109162	0.000201971	0.00012614	0.000173747
5310	0.000129144	0.000118996	0.000251734	0.000135347	0.000171768	0.000126219	0.000117292	0.000216755	0.000135347	0.000180909
5311	0.000133544	0.000122787	0.000263495	0.000141323	0.000219444	0.000130783	0.000121368	0.000226275	0.000141323	0.000223991

5312	0.000144218	0.000132037	0.00029137	0.00015528	0.000222121	0.000142108	0.000131454	0.000250155	0.00015528	0.000226921
5313	0.000151925	0.000139101	0.000306845	0.000163501	0.000226833	0.00014967	0.000138456	0.000263408	0.000163501	0.000231931
5314	0.00016312	0.000149362	0.000329332	0.000175527	0.000227157	0.000160687	0.000148656	0.000282702	0.000175527	0.000232252
5315	0.000177733	0.000162635	0.000360123	0.00019154	0.000226018	0.000175237	0.000162023	0.000309257	0.00019154	0.00023102
5316	0.000194936	0.000178058	0.000398831	0.000211276	0.000219148	0.000192782	0.00017797	0.000343009	0.000211276	0.000224975
5317	0.000211276	0.000192786	0.000434644	0.000229743	0.000220562	0.000209309	0.000193058	0.00037413	0.000229743	0.000226496
5318	0.000228891	0.000208553	0.000474577	0.000250109	0.000217406	0.000227343	0.000209431	0.000409014	0.000250109	0.000223126
5319	0.000242068	0.000220439	0.000503365	0.000265109	0.000216033	0.000240706	0.00022164	0.000434077	0.000265109	0.000220351
5320	0.000248525	0.000226354	0.00051636	0.000272034	0.000204094	0.000247056	0.000227517	0.000445223	0.000272034	0.000207588
5321	0.000252394	0.000230071	0.000522065	0.000275872	0.000194951	0.000250666	0.000231013	0.000449982	0.000275872	0.000197831
5322	0.000250353	0.000228518	0.000514129	0.000271202	0.000189507	0.000247617	0.000228441	0.000442104	0.000271202	0.000192029
5323	0.000245637	0.000224793	0.000497443	0.000261727	0.000174059	0.00024111	0.000222891	0.000425885	0.000261727	0.000178147
5324	0.000233367	0.000214134	0.000465707	0.00024572	0.000158147	0.000227738	0.000211006	0.000397439	0.00024572	0.000163621
5325	0.000215419	0.000198264	0.000422659	0.000222892	0.000143713	0.000208857	0.000193946	0.000360083	0.000222892	0.000149503
5326	0.000190182	0.000175616	0.000366148	0.000193672	0.000132637	0.000183363	0.0001707	0.000311796	0.000193672	0.000138847
5327	0.000164711	0.000152102	0.000317029	0.000167876	0.000127799	0.000158941	0.000147959	0.000270327	0.000167876	0.000133689
5328	0.000144399	0.000133215	0.000279504	0.000148563	0.000125636	0.000139982	0.000130198	0.000239211	0.000148563	0.000131383
5329	0.000126771	0.000116749	0.000247838	0.000132073	0.000125388	0.000123661	0.000114843	0.000213097	0.000132073	0.000131124
5330	0.000117961	0.000108562	0.000231497	0.000123684	0.000127377	0.00011543	0.000107137	0.00019954	0.000123684	0.000133276
5331	0.000111847	0.000102987	0.000218872	0.000117381	0.000135998	0.000109495	0.000101673	0.000188822	0.000117381	0.000142513
5332	0.000112489	0.000103616	0.000219679	0.000118231	0.000150157	0.000110164	0.000102333	0.000189585	0.000118231	0.000157668
5333	0.000120031	0.000110579	0.000234211	0.00012614	0.000165193	0.000117491	0.000109162	0.000201971	0.00012614	0.000173747
5334	0.000129144	0.000118996	0.000251734	0.000135347	0.000171768	0.000126219	0.000117292	0.000216755	0.000135347	0.000180909
5335	0.000133544	0.000122787	0.000263495	0.000141323	0.000219444	0.000130783	0.000121368	0.000226275	0.000141323	0.000223991
5336	0.000144218	0.000132037	0.00029137	0.00015528	0.000222121	0.000142108	0.000131454	0.000250155	0.00015528	0.000226921
5337	0.000151925	0.000139101	0.000306845	0.000163501	0.000226833	0.00014967	0.000138456	0.000263408	0.000163501	0.000231931
5338	0.00016312	0.000149362	0.000329332	0.000175527	0.000227157	0.000160687	0.000148656	0.000282702	0.000175527	0.000232252
5339	0.000177733	0.000162635	0.000360123	0.00019154	0.000226018	0.000175237	0.000162023	0.000309257	0.00019154	0.00023102
5340	0.000194936	0.000178058	0.000398831	0.000211276	0.000219148	0.000192782	0.00017797	0.000343009	0.000211276	0.000224975
5341	0.000211276	0.000192786	0.000434644	0.000229743	0.000220562	0.000209309	0.000193058	0.00037413	0.000229743	0.000226496
5342	0.000228891	0.000208553	0.000474577	0.000250109	0.000217406	0.000227343	0.000209431	0.000409014	0.000250109	0.000223126
5343	0.000242068	0.000220439	0.000503365	0.000265109	0.000216033	0.000240706	0.00022164	0.000434077	0.000265109	0.000220351
5344	0.000248525	0.000226354	0.00051636	0.000272034	0.000204094	0.000247056	0.000227517	0.000445223	0.000272034	0.000207588
5345	0.000252394	0.000230071	0.000522065	0.000275872	0.000194951	0.000250666	0.000231013	0.000449982	0.000275872	0.000197831
5346	0.000250353	0.000228518	0.000514129	0.000271202	0.000189507	0.000247617	0.000228441	0.000442104	0.000271202	0.000192029
5347	0.000245637	0.000224793	0.000497443	0.000261727	0.000174059	0.00024111	0.000222891	0.000425885	0.000261727	0.000178147
5348	0.000233367	0.000214134	0.000465707	0.00024572	0.000158147	0.000227738	0.000211006	0.000397439	0.00024572	0.000163621
5349	0.000215419	0.000198264	0.000422659	0.000222892	0.000143713	0.000208857	0.000193946	0.000360083	0.000222892	0.000149503
5350	0.000190182	0.000175616	0.000366148	0.000193672	0.000132637	0.000183363	0.0001707	0.000311796	0.000193672	0.000138847
5351	0.000164711	0.000152102	0.000317029	0.000167876	0.000127799	0.000158941	0.000147959	0.000270327	0.000167876	0.000133689
5352	0.000144399	0.000133215	0.000279504	0.000148563	0.000125636	0.000139982	0.000130198	0.000239211	0.000148563	0.000131383
5353	0.000126771	0.000116749	0.000247838	0.000132073	0.000125388	0.000123661	0.000114843	0.000213097	0.000132073	0.000131124
5354	0.000117961	0.000108562	0.000231497	0.000123684	0.000127377	0.00011543	0.000107137	0.00019954	0.000123684	0.000133276
5355	0.000111847	0.000102987	0.000218872	0.000117381	0.000135998	0.000109495	0.000101673	0.000188822	0.000117381	0.000142513
5356	0.000112489	0.000103616	0.000219679	0.000118231	0.000150157	0.000110164	0.000102333	0.000189585	0.000118231	0.000157668
5357	0.000120031	0.000110579	0.000234211	0.00012614	0.000165193	0.000117491	0.000109162	0.000201971	0.00012614	0.000173747
5358	0.000129144	0.000118996	0.000251734	0.000135347	0.000171768	0.000126219	0.000117292	0.000216755	0.000135347	0.000180909
5359	0.000133544	0.000122787	0.000263495	0.000141323	0.000219444	0.000130783	0.000121368	0.000226275	0.000141323	0.000223991
5360	0.000144218	0.000132037	0.00029137	0.00015528	0.000222121	0.000142108	0.000131454	0.000250155	0.00015528	0.000226921
5361	0.000151925	0.000139101	0.000306845	0.000163501	0.000226833	0.00014967	0.000138456	0.000263408	0.000163501	0.000231931
5362	0.00016312	0.000149362	0.000329332	0.000175527	0.000227157	0.000160687	0.000148656	0.000282702	0.000175527	0.000232252
5363	0.000177733	0.000162635	0.000360123	0.00019154	0.000226018	0.000175237	0.000162023	0.000309257	0.00019154	0.00023102
5364	0.000194936	0.000178058	0.000398831	0.000211276	0.000219148	0.000192782	0.00017797	0.000343009	0.000211276	0.000224975
5365	0.000211276	0.000192786	0.000434644	0.000229743	0.000220562	0.000209309	0.000193058	0.00037413	0.000229743	0.000226496
5366	0.000228891	0.000208553	0.000474577	0.000250109	0.000217406	0.000227343	0.000209431	0.000409014	0.000250109	0.000223126
5367	0.000242068	0.000220439	0.000503365	0.000265109	0.000216033	0.000240706	0.00022164	0.000434077	0.000265109	0.000220351
5368	0.000248525	0.000226354	0.00051636	0.000272034	0.000204094	0.000247056	0.000227517	0.000445223	0.000272034	0.000207588
5369	0.000252394	0.000230071	0.000522065	0.000275872	0.000194951	0.000250666	0.000231013	0.000449982	0.000275872	0.000197831
5370	0.000250353	0.000228518	0.000514129	0.000271202	0.000189507	0.000247617	0.000228441	0.000442104	0.000271202	0.000192029
5371	0.000245637	0.000224793	0.000497443	0.000261727	0.000174059	0.00024111	0.000222891	0.000425885	0.000261727	0.000178147
5372	0.000233367	0.000214134	0.000465707	0.00024572	0.000158147	0.000227738	0.000211006	0.000397439	0.00024572	0.000163621
5373	0.000215419	0.000198264	0.000422659	0.000222892	0.000143713	0.000208857	0.000193946	0.000360083	0.000222892	0.000149503
5374	0.000190182	0.000175616	0.000366148	0.000193672	0.000132637	0.000183363	0.0001707	0.000311796	0.000193672	0.000138847
5375	0.000164711	0.000152102	0.000317029	0.000167876	0.000127799	0.000158941	0.000147959	0.000270327	0.000167876	0.000133689
5376	0.000144399	0.000133215	0.000279504	0.000148563	0.000125636	0.000139982	0.000130198	0.000239211	0.000148563	0.000131383
5377	0.000126771	0.000116749	0.000247838	0.000132073	0.000125388	0.000123661	0.000114843	0.000213097	0.000132073	0.000131124
5378	0.000117961	0.000108562	0.000231497	0.000123684	0.000127377	0.00011543	0.000107137	0.00019954	0.000123684	0.000133276
5379	0.000111847	0.000102987	0.000218872	0.000117381	0.000135998	0.000109495	0.000101673	0.000188822	0.000117381	0.000142513
5380	0.000112489	0.000103616	0.000219679	0.000118231	0.000150157	0.000110164	0.000102333	0.000189585	0.000118231	0.000157668
5381	0.000120031	0.000110579	0.000234211	0.00012614	0.000165193	0.000117491	0.000109162	0.000201971	0.00012614	0.000173747
5382	0.000129144	0.000118996	0.000251734	0.000135347	0.000171768	0.000126219	0.000117292	0.000216755	0.000135347	0.000180909
5383	0.000133544	0.000122787	0.000263495	0.000141323	0.000219444	0.000130783	0.000121368	0.000226275	0.000141323	0.000223991
5384	0.000144218	0.000132037	0.00029137	0.00015528	0.000222121	0.000142108	0.000131454	0.000250155	0.00015528	0.000226921
5385	0.000151925	0.000139101	0.000306845	0.000163501	0.000226833	0.00014967	0.000138456	0.000263408	0.000163501	0.000231931
5386	0.00016312	0.000149362	0.000329332	0.000175527	0.000227157	0.000160687	0.000148656	0.000282702	0.000175527	0.000232252
5387	0.000177733	0.000162635	0.000360123	0.00019154	0.000226018	0.000175237	0.000162023	0.000309257	0.00019154	0.00023102

5388	0.000194936	0.000178058	0.000398831	0.000211276	0.000219148	0.000192782	0.00017797	0.000343009	0.000211276	0.000224975
5389	0.000211276	0.000192786	0.000434644	0.000229743	0.000220562	0.000209309	0.000193058	0.00037413	0.000229743	0.000226496
5390	0.000228891	0.000208553	0.000474577	0.000250109	0.000217406	0.000227343	0.000209431	0.000409014	0.000250109	0.000223126
5391	0.000242068	0.000220439	0.000503365	0.000265109	0.000216033	0.000240706	0.00022164	0.000434077	0.000265109	0.000220351
5392	0.000248525	0.000226354	0.00051636	0.000272034	0.000204094	0.000247056	0.000227517	0.000445223	0.000272034	0.000207588
5393	0.000252394	0.000230071	0.000522065	0.000275872	0.000194951	0.000250666	0.000231013	0.000449982	0.000275872	0.000197831
5394	0.000250353	0.000228518	0.000514129	0.000271202	0.000189507	0.000247617	0.000228441	0.000442104	0.000271202	0.000192029
5395	0.000245637	0.000224793	0.000497443	0.000261727	0.000174059	0.00024111	0.000222891	0.000425885	0.000261727	0.000178147
5396	0.000233367	0.000214134	0.000465707	0.00024572	0.000158147	0.000227738	0.000211006	0.000397439	0.00024572	0.000163621
5397	0.000215419	0.000198264	0.000422659	0.000222892	0.000143713	0.000208857	0.000193946	0.000360083	0.000222892	0.000149503
5398	0.000190182	0.000175616	0.000366148	0.000193672	0.000132637	0.000183363	0.0001707	0.000311796	0.000193672	0.000138847
5399	0.000164711	0.000152102	0.000317029	0.000167876	0.000127799	0.000158941	0.000147959	0.000270327	0.000167876	0.000133689
5400	0.000144399	0.000133215	0.000279504	0.000148563	0.000125636	0.000139982	0.000130198	0.000239211	0.000148563	0.000131383
5401	0.000126125	0.000116172	0.000246372	0.000131343	0.000125558	0.000123006	0.000114249	0.000211823	0.000131343	0.000131302
5402	0.000117279	0.000107945	0.000230032	0.000122916	0.000127052	0.000114743	0.000106508	0.000198268	0.000122916	0.00013293
5403	0.00011107	0.000102286	0.000217178	0.000116506	0.000135713	0.00010871	0.000100956	0.000187352	0.000116506	0.00014221
5404	0.000111925	0.000103107	0.000218451	0.000117595	0.000149885	0.000109595	0.000101813	0.000188518	0.000117595	0.000157379
5405	0.000119626	0.000110214	0.000233325	0.000125684	0.000164929	0.000117083	0.000108789	0.000201201	0.000125684	0.000173466
5406	0.000129049	0.000118909	0.000251544	0.000135241	0.000171771	0.000126124	0.000117204	0.00021659	0.000135241	0.000180913
5407	0.000134913	0.000124274	0.000263431	0.000141369	0.000218903	0.000131692	0.000122372	0.000226226	0.000141369	0.000223413
5408	0.000143718	0.000131585	0.000290289	0.000154716	0.000221872	0.000141603	0.000130993	0.000249216	0.000154716	0.000226656
5409	0.00015109	0.000138342	0.000305084	0.000162563	0.000226589	0.000148831	0.000137684	0.00026188	0.000162563	0.000231673
5410	0.000161804	0.00014817	0.000326507	0.000174046	0.00022672	0.00015936	0.00014744	0.00028025	0.000174046	0.00023179
5411	0.000175757	0.000160842	0.000355929	0.000189319	0.000225511	0.000173248	0.000160197	0.000305615	0.000189319	0.000230483
5412	0.000192577	0.000175914	0.000393874	0.000208627	0.000218668	0.000190411	0.00017579	0.000338706	0.000208627	0.000224467
5413	0.000207845	0.000189684	0.000427242	0.000225882	0.000219992	0.00020585	0.000189891	0.000367702	0.000225882	0.000225891
5414	0.000224421	0.000204524	0.000464786	0.000245072	0.000216689	0.000222828	0.000205309	0.000400511	0.000245072	0.000222366
5415	0.000237367	0.0002162	0.000493063	0.00025981	0.000215498	0.000235956	0.000217303	0.000425131	0.00025981	0.000219786
5416	0.00024373	0.000222037	0.000505797	0.000266628	0.000203569	0.000242209	0.000223097	0.000436049	0.000266628	0.000207034
5417	0.000247733	0.000225865	0.000511906	0.00027062	0.000194413	0.000245959	0.000226713	0.00044116	0.00027062	0.000197262
5418	0.000245325	0.000223987	0.000503098	0.000265534	0.000188934	0.000242536	0.000223804	0.000432524	0.000265534	0.000191424
5419	0.000241378	0.000220948	0.000488183	0.00025693	0.000173421	0.000236811	0.000218961	0.000417845	0.00025693	0.000177471
5420	0.000229402	0.000210556	0.000457071	0.000241254	0.000157492	0.000223736	0.000207348	0.000389941	0.000241254	0.000162928
5421	0.000210351	0.000193432	0.000414744	0.000218683	0.00014299	0.000204218	0.000189528	0.000353203	0.000218683	0.000148737
5422	0.000187079	0.000172813	0.000359427	0.000190178	0.000131814	0.000180233	0.000167836	0.000305961	0.000190178	0.000137973
5423	0.000162299	0.000149918	0.000311869	0.000165163	0.000127048	0.000156512	0.000145732	0.000265847	0.000165163	0.000132893
5424	0.000143017	0.00013196	0.000276588	0.000147011	0.000125322	0.000138592	0.000128921	0.00023668	0.000147011	0.00013105
5425	0.000126125	0.000116172	0.000246372	0.000131343	0.000125558	0.000123006	0.000114249	0.000211823	0.000131343	0.000131302
5426	0.000117279	0.000107945	0.000230032	0.000122916	0.000127052	0.000114743	0.000106508	0.000198268	0.000122916	0.00013293
5427	0.00011107	0.000102286	0.000217178	0.000116506	0.000135713	0.00010871	0.000100956	0.000187352	0.000116506	0.00014221
5428	0.000111925	0.000103107	0.000218451	0.000117595	0.000149885	0.000109595	0.000101813	0.000188518	0.000117595	0.000157379
5429	0.000119626	0.000110214	0.000233325	0.000125684	0.000164929	0.000117083	0.000108789	0.000201201	0.000125684	0.000173466
5430	0.000129049	0.000118909	0.000251544	0.000135241	0.000171771	0.000126124	0.000117204	0.00021659	0.000135241	0.000180913
5431	0.000134913	0.000124274	0.000263431	0.000141369	0.000218903	0.000131692	0.000122372	0.000226226	0.000141369	0.000223413
5432	0.000143718	0.000131585	0.000290289	0.000154716	0.000221872	0.000141603	0.000130993	0.000249216	0.000154716	0.000226656
5433	0.00015109	0.000138342	0.000305084	0.000162563	0.000226589	0.000148831	0.000137684	0.00026188	0.000162563	0.000231673
5434	0.000161804	0.00014817	0.000326507	0.000174046	0.00022672	0.00015936	0.00014744	0.00028025	0.000174046	0.00023179
5435	0.000175757	0.000160842	0.000355929	0.000189319	0.000225511	0.000173248	0.000160197	0.000305615	0.000189319	0.000230483
5436	0.000192577	0.000175914	0.000393874	0.000208627	0.000218668	0.000190411	0.00017579	0.000338706	0.000208627	0.000224467
5437	0.000207845	0.000189684	0.000427242	0.000225882	0.000219992	0.00020585	0.000189891	0.000367702	0.000225882	0.000225891
5438	0.000224421	0.000204524	0.000464786	0.000245072	0.000216689	0.000222828	0.000205309	0.000400511	0.000245072	0.000222366
5439	0.000237367	0.0002162	0.000493063	0.00025981	0.000215498	0.000235956	0.000217303	0.000425131	0.00025981	0.000219786
5440	0.00024373	0.000222037	0.000505797	0.000266628	0.000203569	0.000242209	0.000223097	0.000436049	0.000266628	0.000207034
5441	0.000247733	0.000225865	0.000511906	0.00027062	0.000194413	0.000245959	0.000226713	0.00044116	0.00027062	0.000197262
5442	0.000245325	0.000223987	0.000503098	0.000265534	0.000188934	0.000242536	0.000223804	0.000432524	0.000265534	0.000191424
5443	0.000241378	0.000220948	0.000488183	0.00025693	0.000173421	0.000236811	0.000218961	0.000417845	0.00025693	0.000177471
5444	0.000229402	0.000210556	0.000457071	0.000241254	0.000157492	0.000223736	0.000207348	0.000389941	0.000241254	0.000162928
5445	0.000210351	0.000193432	0.000414744	0.000218683	0.00014299	0.000204218	0.000189528	0.000353203	0.000218683	0.000148737
5446	0.000187079	0.000172813	0.000359427	0.000190178	0.000131814	0.000180233	0.000167836	0.000305961	0.000190178	0.000137973
5447	0.000162299	0.000149918	0.000311869	0.000165163	0.000127048	0.000156512	0.000145732	0.000265847	0.000165163	0.000132893
5448	0.000143017	0.00013196	0.000276588	0.000147011	0.000125322	0.000138592	0.000128921	0.00023668	0.000147011	0.00013105
5449	0.000126771	0.000116749	0.000247838	0.000132073	0.000125388	0.000123661	0.000114843	0.000213097	0.000132073	0.000131124
5450	0.000117961	0.000108562	0.000231497	0.000123684	0.000127377	0.00011543	0.000107137	0.00019954	0.000123684	0.000133276
5451	0.000111847	0.000102987	0.000218872	0.000117381	0.000135998	0.000109495	0.000101673	0.000188822	0.000117381	0.000142513
5452	0.000112489	0.000103616	0.000219679	0.000118231	0.000150157	0.000110164	0.000102333	0.000189585	0.000118231	0.000157668
5453	0.000120031	0.000110579	0.000234211	0.00012614	0.000165193	0.000117491	0.000109162	0.000201971	0.00012614	0.000173747
5454	0.000129144	0.000118996	0.000251734	0.000135347	0.000171768	0.000126219	0.000117292	0.000216755	0.000135347	0.000180909
5455	0.000133544	0.000122787	0.000263495	0.000141323	0.000219444	0.000130783	0.000121368	0.000226275	0.000141323	0.000223991
5456	0.000144218	0.000132037	0.00029137	0.00015528	0.000222121	0.000142108	0.000131454	0.000250155	0.00015528	0.000226921
5457	0.000151925	0.000139101	0.000306845	0.000163501	0.000226833	0.00014967	0.000138456	0.000263408	0.000163501	0.000231931
5458	0.00016312	0.000149362	0.000329332	0.000175527	0.000227157	0.000160687	0.000148656	0.000282702	0.000175527	0.000232252
5459	0.000177733	0.000162635	0.000360123	0.00019154	0.000226018	0.000175237	0.000162023	0.000309257	0.00019154	0.00023102
5460	0.000194936	0.000178058	0.000398831	0.000211276	0.000219148	0.000192782	0.00017797	0.000343009	0.000211276	0.000224975
5461	0.000211276	0.000192786	0.000434644	0.000229743	0.000220562	0.000209309	0.000193058	0.00037413	0.000229743	0.000226496
5462	0.000228891	0.000208553	0.000474577	0.000250109	0.000217406	0.000227343	0.000209431	0.000409014	0.000250109	0.000223126
5463	0.000242068	0.000220439	0.000503365	0.000265109	0.000216033	0.000240706	0.00022164	0.000434077	0.000265109	0.000220351

5464	0.000248525	0.000226354	0.00051636	0.000272034	0.000204094	0.000247056	0.000227517	0.000445223	0.000272034	0.000207588
5465	0.000252394	0.000230071	0.000522065	0.000275872	0.000194951	0.000250666	0.000231013	0.000449982	0.000275872	0.000197831
5466	0.000250353	0.000228518	0.000514129	0.000271202	0.000189507	0.000247617	0.000228441	0.000442104	0.000271202	0.000192029
5467	0.000245637	0.000224793	0.000497443	0.000261727	0.000174059	0.00024111	0.000222891	0.000425885	0.000261727	0.000178147
5468	0.000233367	0.000214134	0.000465707	0.00024572	0.000158147	0.000227738	0.000211006	0.000397439	0.00024572	0.000163621
5469	0.000215419	0.000198264	0.000422659	0.000222892	0.000143713	0.000208857	0.000193946	0.000360083	0.000222892	0.000149503
5470	0.000190182	0.000175616	0.000366148	0.000193672	0.000132637	0.000183363	0.0001707	0.000311796	0.000193672	0.000138847
5471	0.000164711	0.000152102	0.000317029	0.000167876	0.000127799	0.000158941	0.000147959	0.000270327	0.000167876	0.000133689
5472	0.000144399	0.000133215	0.000279504	0.000148563	0.000125636	0.000139982	0.000130198	0.000239211	0.000148563	0.000131383
5473	0.000126771	0.000116749	0.000247838	0.000132073	0.000125388	0.000123661	0.000114843	0.000213097	0.000132073	0.000131124
5474	0.000117961	0.000108562	0.000231497	0.000123684	0.000127377	0.00011543	0.000107137	0.00019954	0.000123684	0.000133276
5475	0.000111847	0.000102987	0.000218872	0.000117381	0.000135998	0.000109495	0.000101673	0.000188822	0.000117381	0.000142513
5476	0.000112489	0.000103616	0.000219679	0.000118231	0.000150157	0.000110164	0.000102333	0.000189585	0.000118231	0.000157668
5477	0.000120031	0.000110579	0.000234211	0.00012614	0.000165193	0.000117491	0.000109162	0.000201971	0.00012614	0.000173747
5478	0.000129144	0.000118996	0.000251734	0.000135347	0.000171768	0.000126219	0.000117292	0.000216755	0.000135347	0.000180909
5479	0.000133544	0.000122787	0.000263495	0.000141323	0.000219444	0.000130783	0.000121368	0.000226275	0.000141323	0.000223991
5480	0.000144218	0.000132037	0.00029137	0.00015528	0.000222121	0.000142108	0.000131454	0.000250155	0.00015528	0.000226921
5481	0.000151925	0.000139101	0.000306845	0.000163501	0.000226833	0.00014967	0.000138456	0.000263408	0.000163501	0.000231931
5482	0.00016312	0.000149362	0.000329332	0.000175527	0.000227157	0.000160687	0.000148656	0.000282702	0.000175527	0.000232252
5483	0.000177733	0.000162635	0.000360123	0.00019154	0.000226018	0.000175237	0.000162023	0.000309257	0.00019154	0.00023102
5484	0.000194936	0.000178058	0.000398831	0.000211276	0.000219148	0.000192782	0.00017797	0.000343009	0.000211276	0.000224975
5485	0.000211276	0.000192786	0.000434644	0.000229743	0.000220562	0.000209309	0.000193058	0.00037413	0.000229743	0.000226496
5486	0.000228891	0.000208553	0.000474577	0.000250109	0.000217406	0.000227343	0.000209431	0.000409014	0.000250109	0.000223126
5487	0.000242068	0.000220439	0.000503365	0.000265109	0.000216033	0.000240706	0.00022164	0.000434077	0.000265109	0.000220351
5488	0.000248525	0.000226354	0.00051636	0.000272034	0.000204094	0.000247056	0.000227517	0.000445223	0.000272034	0.000207588
5489	0.000252394	0.000230071	0.000522065	0.000275872	0.000194951	0.000250666	0.000231013	0.000449982	0.000275872	0.000197831
5490	0.000250353	0.000228518	0.000514129	0.000271202	0.000189507	0.000247617	0.000228441	0.000442104	0.000271202	0.000192029
5491	0.000245637	0.000224793	0.000497443	0.000261727	0.000174059	0.00024111	0.000222891	0.000425885	0.000261727	0.000178147
5492	0.000233367	0.000214134	0.000465707	0.00024572	0.000158147	0.000227738	0.000211006	0.000397439	0.00024572	0.000163621
5493	0.000215419	0.000198264	0.000422659	0.000222892	0.000143713	0.000208857	0.000193946	0.000360083	0.000222892	0.000149503
5494	0.000190182	0.000175616	0.000366148	0.000193672	0.000132637	0.000183363	0.0001707	0.000311796	0.000193672	0.000138847
5495	0.000164711	0.000152102	0.000317029	0.000167876	0.000127799	0.000158941	0.000147959	0.000270327	0.000167876	0.000133689
5496	0.000144399	0.000133215	0.000279504	0.000148563	0.000125636	0.000139982	0.000130198	0.000239211	0.000148563	0.000131383
5497	0.000126771	0.000116749	0.000247838	0.000132073	0.000125388	0.000123661	0.000114843	0.000213097	0.000132073	0.000131124
5498	0.000117961	0.000108562	0.000231497	0.000123684	0.000127377	0.00011543	0.000107137	0.00019954	0.000123684	0.000133276
5499	0.000111847	0.000102987	0.000218872	0.000117381	0.000135998	0.000109495	0.000101673	0.000188822	0.000117381	0.000142513
5500	0.000112489	0.000103616	0.000219679	0.000118231	0.000150157	0.000110164	0.000102333	0.000189585	0.000118231	0.000157668
5501	0.000120031	0.000110579	0.000234211	0.00012614	0.000165193	0.000117491	0.000109162	0.000201971	0.00012614	0.000173747
5502	0.000129144	0.000118996	0.000251734	0.000135347	0.000171768	0.000126219	0.000117292	0.000216755	0.000135347	0.000180909
5503	0.000133544	0.000122787	0.000263495	0.000141323	0.000219444	0.000130783	0.000121368	0.000226275	0.000141323	0.000223991
5504	0.000144218	0.000132037	0.00029137	0.00015528	0.000222121	0.000142108	0.000131454	0.000250155	0.00015528	0.000226921
5505	0.000151925	0.000139101	0.000306845	0.000163501	0.000226833	0.00014967	0.000138456	0.000263408	0.000163501	0.000231931
5506	0.00016312	0.000149362	0.000329332	0.000175527	0.000227157	0.000160687	0.000148656	0.000282702	0.000175527	0.000232252
5507	0.000177733	0.000162635	0.000360123	0.00019154	0.000226018	0.000175237	0.000162023	0.000309257	0.00019154	0.00023102
5508	0.000194936	0.000178058	0.000398831	0.000211276	0.000219148	0.000192782	0.00017797	0.000343009	0.000211276	0.000224975
5509	0.000211276	0.000192786	0.000434644	0.000229743	0.000220562	0.000209309	0.000193058	0.00037413	0.000229743	0.000226496
5510	0.000228891	0.000208553	0.000474577	0.000250109	0.000217406	0.000227343	0.000209431	0.000409014	0.000250109	0.000223126
5511	0.000242068	0.000220439	0.000503365	0.000265109	0.000216033	0.000240706	0.00022164	0.000434077	0.000265109	0.000220351
5512	0.000248525	0.000226354	0.00051636	0.000272034	0.000204094	0.000247056	0.000227517	0.000445223	0.000272034	0.000207588
5513	0.000252394	0.000230071	0.000522065	0.000275872	0.000194951	0.000250666	0.000231013	0.000449982	0.000275872	0.000197831
5514	0.000250353	0.000228518	0.000514129	0.000271202	0.000189507	0.000247617	0.000228441	0.000442104	0.000271202	0.000192029
5515	0.000245637	0.000224793	0.000497443	0.000261727	0.000174059	0.00024111	0.000222891	0.000425885	0.000261727	0.000178147
5516	0.000233367	0.000214134	0.000465707	0.00024572	0.000158147	0.000227738	0.000211006	0.000397439	0.00024572	0.000163621
5517	0.000215419	0.000198264	0.000422659	0.000222892	0.000143713	0.000208857	0.000193946	0.000360083	0.000222892	0.000149503
5518	0.000190182	0.000175616	0.000366148	0.000193672	0.000132637	0.000183363	0.0001707	0.000311796	0.000193672	0.000138847
5519	0.000164711	0.000152102	0.000317029	0.000167876	0.000127799	0.000158941	0.000147959	0.000270327	0.000167876	0.000133689
5520	0.000144399	0.000133215	0.000279504	0.000148563	0.000125636	0.000139982	0.000130198	0.000239211	0.000148563	0.000131383
5521	0.000126771	0.000116749	0.000247838	0.000132073	0.000125388	0.000123661	0.000114843	0.000213097	0.000132073	0.000131124
5522	0.000117961	0.000108562	0.000231497	0.000123684	0.000127377	0.00011543	0.000107137	0.00019954	0.000123684	0.000133276
5523	0.000111847	0.000102987	0.000218872	0.000117381	0.000135998	0.000109495	0.000101673	0.000188822	0.000117381	0.000142513
5524	0.000112489	0.000103616	0.000219679	0.000118231	0.000150157	0.000110164	0.000102333	0.000189585	0.000118231	0.000157668
5525	0.000120031	0.000110579	0.000234211	0.00012614	0.000165193	0.000117491	0.000109162	0.000201971	0.00012614	0.000173747
5526	0.000129144	0.000118996	0.000251734	0.000135347	0.000171768	0.000126219	0.000117292	0.000216755	0.000135347	0.000180909
5527	0.000133544	0.000122787	0.000263495	0.000141323	0.000219444	0.000130783	0.000121368	0.000226275	0.000141323	0.000223991
5528	0.000144218	0.000132037	0.00029137	0.00015528	0.000222121	0.000142108	0.000131454	0.000250155	0.00015528	0.000226921
5529	0.000151925	0.000139101	0.000306845	0.000163501	0.000226833	0.00014967	0.000138456	0.000263408	0.000163501	0.000231931
5530	0.00016312	0.000149362	0.000329332	0.000175527	0.000227157	0.000160687	0.000148656	0.000282702	0.000175527	0.000232252
5531	0.000177733	0.000162635	0.000360123	0.00019154	0.000226018	0.000175237	0.000162023	0.000309257	0.00019154	0.00023102
5532	0.000194936	0.000178058	0.000398831	0.000211276	0.000219148	0.000192782	0.00017797	0.000343009	0.000211276	0.000224975
5533	0.000211276	0.000192786	0.000434644	0.000229743	0.000220562	0.000209309	0.000193058	0.00037413	0.000229743	0.000226496
5534	0.000228891	0.000208553	0.000474577	0.000250109	0.000217406	0.000227343	0.000209431	0.000409014	0.000250109	0.000223126
5535	0.000242068	0.000220439	0.000503365	0.000265109	0.000216033	0.000240706	0.00022164	0.000434077	0.000265109	0.000220351
5536	0.000248525	0.000226354	0.00051636	0.000272034	0.000204094	0.000247056	0.000227517	0.000445223	0.000272034	0.000207588
5537	0.000252394	0.000230071	0.000522065	0.000275872	0.000194951	0.000250666	0.000231013	0.000449982	0.000275872	0.000197831
5538	0.000250353	0.000228518	0.000514129	0.000271202	0.000189507	0.000247617	0.000228441	0.000442104	0.000271202	0.000192029
5539	0.000245637	0.000224793	0.000497443	0.000261727	0.000174059	0.00024111	0.000222891	0.000425885	0.000261727	0.000178147

5540	0.000233367	0.000214134	0.000465707	0.00024572	0.000158147	0.000227738	0.000211006	0.000397439	0.00024572	0.000163621
5541	0.000215419	0.000198264	0.000422659	0.000222892	0.000143713	0.000208857	0.000193946	0.000360083	0.000222892	0.000149503
5542	0.000190182	0.000175616	0.000366148	0.000193672	0.000132637	0.000183363	0.0001707	0.000311796	0.000193672	0.000138847
5543	0.000164711	0.000152102	0.000317029	0.000167876	0.000127799	0.000158941	0.000147959	0.000270327	0.000167876	0.000133689
5544	0.000144399	0.000133215	0.000279504	0.000148563	0.000125636	0.000139982	0.000130198	0.000239211	0.000148563	0.000131383
5545	0.000126771	0.000116749	0.000247838	0.000132073	0.000125388	0.000123661	0.000114843	0.000213097	0.000132073	0.000131124
5546	0.000117961	0.000108562	0.000231497	0.000123684	0.000127377	0.00011543	0.000107137	0.00019954	0.000123684	0.000133276
5547	0.000111847	0.000102987	0.000218872	0.000117381	0.000135998	0.000109495	0.000101673	0.000188822	0.000117381	0.000142513
5548	0.000112489	0.000103616	0.000219679	0.000118231	0.000150157	0.000110164	0.000102333	0.000189585	0.000118231	0.000157668
5549	0.000120031	0.000110579	0.000234211	0.00012614	0.000165193	0.000117491	0.000109162	0.000201971	0.00012614	0.000173747
5550	0.000129144	0.000118996	0.000251734	0.000135347	0.000171768	0.000126219	0.000117292	0.000216755	0.000135347	0.000180909
5551	0.000133544	0.000122787	0.000263495	0.000141323	0.000219444	0.000130783	0.000121368	0.000226275	0.000141323	0.000223991
5552	0.000144218	0.000132037	0.00029137	0.00015528	0.000222121	0.000142108	0.000131454	0.000250155	0.00015528	0.000226921
5553	0.000151925	0.000139101	0.000306845	0.000163501	0.000226833	0.00014967	0.000138456	0.000263408	0.000163501	0.000231931
5554	0.00016312	0.000149362	0.000329332	0.000175527	0.000227157	0.000160687	0.000148656	0.000282702	0.000175527	0.000232252
5555	0.000177733	0.000162635	0.000360123	0.00019154	0.000226018	0.000175237	0.000162023	0.000309257	0.00019154	0.00023102
5556	0.000194936	0.000178058	0.000398831	0.000211276	0.000219148	0.000192782	0.00017797	0.000343009	0.000211276	0.000224975
5557	0.000211276	0.000192786	0.000434644	0.000229743	0.000220562	0.000209309	0.000193058	0.00037413	0.000229743	0.000226496
5558	0.000228891	0.000208553	0.000474577	0.000250109	0.000217406	0.000227343	0.000209431	0.000409014	0.000250109	0.000223126
5559	0.000242068	0.000220439	0.000503365	0.000265109	0.000216033	0.000240706	0.00022164	0.000434077	0.000265109	0.000220351
5560	0.000248525	0.000226354	0.00051636	0.000272034	0.000204094	0.000247056	0.000227517	0.000445223	0.000272034	0.000207588
5561	0.000252394	0.000230071	0.000522065	0.000275872	0.000194951	0.000250666	0.000231013	0.000449982	0.000275872	0.000197831
5562	0.000250353	0.000228518	0.000514129	0.000271202	0.000189507	0.000247617	0.000228441	0.000442104	0.000271202	0.000192029
5563	0.000245637	0.000224793	0.000497443	0.000261727	0.000174059	0.00024111	0.000222891	0.000425885	0.000261727	0.000178147
5564	0.000233367	0.000214134	0.000465707	0.00024572	0.000158147	0.000227738	0.000211006	0.000397439	0.00024572	0.000163621
5565	0.000215419	0.000198264	0.000422659	0.000222892	0.000143713	0.000208857	0.000193946	0.000360083	0.000222892	0.000149503
5566	0.000190182	0.000175616	0.000366148	0.000193672	0.000132637	0.000183363	0.0001707	0.000311796	0.000193672	0.000138847
5567	0.000164711	0.000152102	0.000317029	0.000167876	0.000127799	0.000158941	0.000147959	0.000270327	0.000167876	0.000133689
5568	0.000144399	0.000133215	0.000279504	0.000148563	0.000125636	0.000139982	0.000130198	0.000239211	0.000148563	0.000131383
5569	0.000126125	0.000116172	0.000246372	0.000131343	0.000125558	0.000123006	0.000114249	0.000211823	0.000131343	0.000131302
5570	0.000117279	0.000107945	0.000230032	0.000122916	0.000127052	0.000114743	0.000106508	0.000198268	0.000122916	0.00013293
5571	0.00011107	0.000102286	0.000217178	0.000116506	0.000135713	0.00010871	0.000100956	0.000187352	0.000116506	0.00014221
5572	0.000111925	0.000103107	0.000218451	0.000117595	0.000149885	0.000109595	0.000101813	0.000188518	0.000117595	0.000157379
5573	0.000119626	0.000110214	0.000233325	0.000125684	0.000164929	0.000117083	0.000108789	0.000201201	0.000125684	0.000173466
5574	0.000129049	0.000118909	0.000251544	0.000135241	0.000171771	0.000126124	0.000117204	0.00021659	0.000135241	0.000180913
5575	0.000134913	0.000124274	0.000263431	0.000141369	0.000218903	0.000131692	0.000122372	0.000226226	0.000141369	0.000223413
5576	0.000143718	0.000131585	0.000290289	0.000154716	0.000221872	0.000141603	0.000130993	0.000249216	0.000154716	0.000226656
5577	0.00015109	0.000138342	0.000305084	0.000162563	0.000226589	0.000148831	0.000137684	0.00026188	0.000162563	0.000231673
5578	0.000161804	0.00014817	0.000326507	0.000174046	0.00022672	0.00015936	0.00014744	0.00028025	0.000174046	0.00023179
5579	0.000175757	0.000160842	0.000355929	0.000189319	0.000225511	0.000173248	0.000160197	0.000305615	0.000189319	0.000230483
5580	0.000192577	0.000175914	0.000393874	0.000208627	0.000218668	0.000190411	0.00017579	0.000338706	0.000208627	0.000224467
5581	0.000207845	0.000189684	0.000427242	0.000225882	0.000219992	0.00020585	0.000189891	0.000367702	0.000225882	0.000225891
5582	0.000224421	0.000204524	0.000464786	0.000245072	0.000216689	0.000222828	0.000205309	0.000400511	0.000245072	0.000222366
5583	0.000237367	0.0002162	0.000493063	0.00025981	0.000215498	0.000235956	0.000217303	0.000425131	0.00025981	0.000219786
5584	0.00024373	0.000222037	0.000505797	0.000266628	0.000203569	0.000242209	0.000223097	0.000436049	0.000266628	0.000207034
5585	0.000247733	0.000225865	0.000511906	0.00027062	0.000194413	0.000245959	0.000226713	0.00044116	0.00027062	0.000197262
5586	0.000245325	0.000223987	0.000503098	0.000265534	0.000188934	0.000242536	0.000223804	0.000432524	0.000265534	0.000191424
5587	0.000241378	0.000220948	0.000488183	0.00025693	0.000173421	0.000236811	0.000218961	0.000417845	0.00025693	0.000177471
5588	0.000229402	0.000210556	0.000457071	0.000241254	0.000157492	0.000223736	0.000207348	0.000389941	0.000241254	0.000162928
5589	0.000210351	0.000193432	0.000414744	0.000218683	0.00014299	0.000204218	0.000189528	0.000353203	0.000218683	0.000148737
5590	0.000187079	0.000172813	0.000359427	0.000190178	0.000131814	0.000180233	0.000167836	0.000305961	0.000190178	0.000137973
5591	0.000162299	0.000149918	0.000311869	0.000165163	0.000127048	0.000156512	0.000145732	0.000265847	0.000165163	0.000132893
5592	0.000143017	0.00013196	0.000276588	0.000147011	0.000125322	0.000138592	0.000128921	0.00023668	0.000147011	0.00013105
5593	0.000126125	0.000116172	0.000246372	0.000131343	0.000125558	0.000123006	0.000114249	0.000211823	0.000131343	0.000131302
5594	0.000117279	0.000107945	0.000230032	0.000122916	0.000127052	0.000114743	0.000106508	0.000198268	0.000122916	0.00013293
5595	0.00011107	0.000102286	0.000217178	0.000116506	0.000135713	0.00010871	0.000100956	0.000187352	0.000116506	0.00014221
5596	0.000111925	0.000103107	0.000218451	0.000117595	0.000149885	0.000109595	0.000101813	0.000188518	0.000117595	0.000157379
5597	0.000119626	0.000110214	0.000233325	0.000125684	0.000164929	0.000117083	0.000108789	0.000201201	0.000125684	0.000173466
5598	0.000129049	0.000118909	0.000251544	0.000135241	0.000171771	0.000126124	0.000117204	0.00021659	0.000135241	0.000180913
5599	0.000134913	0.000124274	0.000263431	0.000141369	0.000218903	0.000131692	0.000122372	0.000226226	0.000141369	0.000223413
5600	0.000143718	0.000131585	0.000290289	0.000154716	0.000221872	0.000141603	0.000130993	0.000249216	0.000154716	0.000226656
5601	0.00015109	0.000138342	0.000305084	0.000162563	0.000226589	0.000148831	0.000137684	0.00026188	0.000162563	0.000231673
5602	0.000161804	0.00014817	0.000326507	0.000174046	0.00022672	0.00015936	0.00014744	0.00028025	0.000174046	0.00023179
5603	0.000175757	0.000160842	0.000355929	0.000189319	0.000225511	0.000173248	0.000160197	0.000305615	0.000189319	0.000230483
5604	0.000192577	0.000175914	0.000393874	0.000208627	0.000218668	0.000190411	0.00017579	0.000338706	0.000208627	0.000224467
5605	0.000207845	0.000189684	0.000427242	0.000225882	0.000219992	0.00020585	0.000189891	0.000367702	0.000225882	0.000225891
5606	0.000224421	0.000204524	0.000464786	0.000245072	0.000216689	0.000222828	0.000205309	0.000400511	0.000245072	0.000222366
5607	0.000237367	0.0002162	0.000493063	0.00025981	0.000215498	0.000235956	0.000217303	0.000425131	0.00025981	0.000219786
5608	0.00024373	0.000222037	0.000505797	0.000266628	0.000203569	0.000242209	0.000223097	0.000436049	0.000266628	0.000207034
5609	0.000247733	0.000225865	0.000511906	0.00027062	0.000194413	0.000245959	0.000226713	0.00044116	0.00027062	0.000197262
5610	0.000245325	0.000223987	0.000503098	0.000265534	0.000188934	0.000242536	0.000223804	0.000432524	0.000265534	0.000191424
5611	0.000241378	0.000220948	0.000488183	0.00025693	0.000173421	0.000236811	0.000218961	0.000417845	0.00025693	0.000177471
5612	0.000229402	0.000210556	0.000457071	0.000241254	0.000157492	0.000223736	0.000207348	0.000389941	0.000241254	0.000162928
5613	0.000210351	0.000193432	0.000414744	0.000218683	0.00014299	0.000204218	0.000189528	0.000353203	0.000218683	0.000148737
5614	0.000187079	0.000172813	0.000359427	0.000190178	0.000131814	0.000180233	0.000167836	0.000305961	0.000190178	0.000137973
5615	0.000162299	0.000149918	0.000311869	0.000165163	0.000127048	0.000156512	0.000145732	0.000265847	0.000165163	0.000132893

5616	0.000143017	0.00013196	0.000276588	0.000147011	0.000125322	0.000138592	0.000128921	0.00023668	0.000147011	0.00013105
5617	0.000126771	0.000116749	0.000247838	0.000132073	0.000125388	0.000123661	0.000114843	0.000213097	0.000132073	0.000131124
5618	0.000117961	0.000108562	0.000231497	0.000123684	0.000127377	0.00011543	0.000107137	0.00019954	0.000123684	0.000133276
5619	0.000111847	0.000102987	0.000218872	0.000117381	0.000135998	0.000109495	0.000101673	0.000188822	0.000117381	0.000142513
5620	0.000112489	0.000103616	0.000219679	0.000118231	0.000150157	0.000110164	0.000102333	0.000189585	0.000118231	0.000157668
5621	0.000120031	0.000110579	0.000234211	0.00012614	0.000165193	0.000117491	0.000109162	0.000201971	0.00012614	0.000173747
5622	0.000129144	0.000118996	0.000251734	0.000135347	0.000171768	0.000126219	0.000117292	0.000216755	0.000135347	0.000180909
5623	0.000133544	0.000122787	0.000263495	0.000141323	0.000219444	0.000130783	0.000121368	0.000226275	0.000141323	0.000223991
5624	0.000144218	0.000132037	0.00029137	0.00015528	0.000222121	0.000142108	0.000131454	0.000250155	0.00015528	0.000226921
5625	0.000151925	0.000139101	0.000306845	0.000163501	0.000226833	0.00014967	0.000138456	0.000263408	0.000163501	0.000231931
5626	0.00016312	0.000149362	0.000329332	0.000175527	0.000227157	0.000160687	0.000148656	0.000282702	0.000175527	0.000232252
5627	0.000177733	0.000162635	0.000360123	0.00019154	0.000226018	0.000175237	0.000162023	0.000309257	0.00019154	0.00023102
5628	0.000194936	0.000178058	0.000398831	0.000211276	0.000219148	0.000192782	0.00017797	0.000343009	0.000211276	0.000224975
5629	0.000211276	0.000192786	0.000434644	0.000229743	0.000220562	0.000209309	0.000193058	0.00037413	0.000229743	0.000226496
5630	0.000228891	0.000208553	0.000474577	0.000250109	0.000217406	0.000227343	0.000209431	0.000409014	0.000250109	0.000223126
5631	0.000242068	0.000220439	0.000503365	0.000265109	0.000216033	0.000240706	0.00022164	0.000434077	0.000265109	0.000220351
5632	0.000248525	0.000226354	0.00051636	0.000272034	0.000204094	0.000247056	0.000227517	0.000445223	0.000272034	0.000207588
5633	0.000252394	0.000230071	0.000522065	0.000275872	0.000194951	0.000250666	0.000231013	0.000449982	0.000275872	0.000197831
5634	0.000250353	0.000228518	0.000514129	0.000271202	0.000189507	0.000247617	0.000228441	0.000442104	0.000271202	0.000192029
5635	0.000245637	0.000224793	0.000497443	0.000261727	0.000174059	0.00024111	0.000222891	0.000425885	0.000261727	0.000178147
5636	0.000233367	0.000214134	0.000465707	0.00024572	0.000158147	0.000227738	0.000211006	0.000397439	0.00024572	0.000163621
5637	0.000215419	0.000198264	0.000422659	0.000222892	0.000143713	0.000208857	0.000193946	0.000360083	0.000222892	0.000149503
5638	0.000190182	0.000175616	0.000366148	0.000193672	0.000132637	0.000183363	0.0001707	0.000311796	0.000193672	0.000138847
5639	0.000164711	0.000152102	0.000317029	0.000167876	0.000127799	0.000158941	0.000147959	0.000270327	0.000167876	0.000133689
5640	0.000144399	0.000133215	0.000279504	0.000148563	0.000125636	0.000139982	0.000130198	0.000239211	0.000148563	0.000131383
5641	0.000126771	0.000116749	0.000247838	0.000132073	0.000125388	0.000123661	0.000114843	0.000213097	0.000132073	0.000131124
5642	0.000117961	0.000108562	0.000231497	0.000123684	0.000127377	0.00011543	0.000107137	0.00019954	0.000123684	0.000133276
5643	0.000111847	0.000102987	0.000218872	0.000117381	0.000135998	0.000109495	0.000101673	0.000188822	0.000117381	0.000142513
5644	0.000112489	0.000103616	0.000219679	0.000118231	0.000150157	0.000110164	0.000102333	0.000189585	0.000118231	0.000157668
5645	0.000120031	0.000110579	0.000234211	0.00012614	0.000165193	0.000117491	0.000109162	0.000201971	0.00012614	0.000173747
5646	0.000129144	0.000118996	0.000251734	0.000135347	0.000171768	0.000126219	0.000117292	0.000216755	0.000135347	0.000180909
5647	0.000133544	0.000122787	0.000263495	0.000141323	0.000219444	0.000130783	0.000121368	0.000226275	0.000141323	0.000223991
5648	0.000144218	0.000132037	0.00029137	0.00015528	0.000222121	0.000142108	0.000131454	0.000250155	0.00015528	0.000226921
5649	0.000151925	0.000139101	0.000306845	0.000163501	0.000226833	0.00014967	0.000138456	0.000263408	0.000163501	0.000231931
5650	0.00016312	0.000149362	0.000329332	0.000175527	0.000227157	0.000160687	0.000148656	0.000282702	0.000175527	0.000232252
5651	0.000177733	0.000162635	0.000360123	0.00019154	0.000226018	0.000175237	0.000162023	0.000309257	0.00019154	0.00023102
5652	0.000194936	0.000178058	0.000398831	0.000211276	0.000219148	0.000192782	0.00017797	0.000343009	0.000211276	0.000224975
5653	0.000211276	0.000192786	0.000434644	0.000229743	0.000220562	0.000209309	0.000193058	0.00037413	0.000229743	0.000226496
5654	0.000228891	0.000208553	0.000474577	0.000250109	0.000217406	0.000227343	0.000209431	0.000409014	0.000250109	0.000223126
5655	0.000242068	0.000220439	0.000503365	0.000265109	0.000216033	0.000240706	0.00022164	0.000434077	0.000265109	0.000220351
5656	0.000248525	0.000226354	0.00051636	0.000272034	0.000204094	0.000247056	0.000227517	0.000445223	0.000272034	0.000207588
5657	0.000252394	0.000230071	0.000522065	0.000275872	0.000194951	0.000250666	0.000231013	0.000449982	0.000275872	0.000197831
5658	0.000250353	0.000228518	0.000514129	0.000271202	0.000189507	0.000247617	0.000228441	0.000442104	0.000271202	0.000192029
5659	0.000245637	0.000224793	0.000497443	0.000261727	0.000174059	0.00024111	0.000222891	0.000425885	0.000261727	0.000178147
5660	0.000233367	0.000214134	0.000465707	0.00024572	0.000158147	0.000227738	0.000211006	0.000397439	0.00024572	0.000163621
5661	0.000215419	0.000198264	0.000422659	0.000222892	0.000143713	0.000208857	0.000193946	0.000360083	0.000222892	0.000149503
5662	0.000190182	0.000175616	0.000366148	0.000193672	0.000132637	0.000183363	0.0001707	0.000311796	0.000193672	0.000138847
5663	0.000164711	0.000152102	0.000317029	0.000167876	0.000127799	0.000158941	0.000147959	0.000270327	0.000167876	0.000133689
5664	0.000144399	0.000133215	0.000279504	0.000148563	0.000125636	0.000139982	0.000130198	0.000239211	0.000148563	0.000131383
5665	0.000126771	0.000116749	0.000247838	0.000132073	0.000125388	0.000123661	0.000114843	0.000213097	0.000132073	0.000131124
5666	0.000117961	0.000108562	0.000231497	0.000123684	0.000127377	0.00011543	0.000107137	0.00019954	0.000123684	0.000133276
5667	0.000111847	0.000102987	0.000218872	0.000117381	0.000135998	0.000109495	0.000101673	0.000188822	0.000117381	0.000142513
5668	0.000112489	0.000103616	0.000219679	0.000118231	0.000150157	0.000110164	0.000102333	0.000189585	0.000118231	0.000157668
5669	0.000120031	0.000110579	0.000234211	0.00012614	0.000165193	0.000117491	0.000109162	0.000201971	0.00012614	0.000173747
5670	0.000129144	0.000118996	0.000251734	0.000135347	0.000171768	0.000126219	0.000117292	0.000216755	0.000135347	0.000180909
5671	0.000133544	0.000122787	0.000263495	0.000141323	0.000219444	0.000130783	0.000121368	0.000226275	0.000141323	0.000223991
5672	0.000144218	0.000132037	0.00029137	0.00015528	0.000222121	0.000142108	0.000131454	0.000250155	0.00015528	0.000226921
5673	0.000151925	0.000139101	0.000306845	0.000163501	0.000226833	0.00014967	0.000138456	0.000263408	0.000163501	0.000231931
5674	0.00016312	0.000149362	0.000329332	0.000175527	0.000227157	0.000160687	0.000148656	0.000282702	0.000175527	0.000232252
5675	0.000177733	0.000162635	0.000360123	0.00019154	0.000226018	0.000175237	0.000162023	0.000309257	0.00019154	0.00023102
5676	0.000194936	0.000178058	0.000398831	0.000211276	0.000219148	0.000192782	0.00017797	0.000343009	0.000211276	0.000224975
5677	0.000211276	0.000192786	0.000434644	0.000229743	0.000220562	0.000209309	0.000193058	0.00037413	0.000229743	0.000226496
5678	0.000228891	0.000208553	0.000474577	0.000250109	0.000217406	0.000227343	0.000209431	0.000409014	0.000250109	0.000223126
5679	0.000242068	0.000220439	0.000503365	0.000265109	0.000216033	0.000240706	0.00022164	0.000434077	0.000265109	0.000220351
5680	0.000248525	0.000226354	0.00051636	0.000272034	0.000204094	0.000247056	0.000227517	0.000445223	0.000272034	0.000207588
5681	0.000252394	0.000230071	0.000522065	0.000275872	0.000194951	0.000250666	0.000231013	0.000449982	0.000275872	0.000197831
5682	0.000250353	0.000228518	0.000514129	0.000271202	0.000189507	0.000247617	0.000228441	0.000442104	0.000271202	0.000192029
5683	0.000245637	0.000224793	0.000497443	0.000261727	0.000174059	0.00024111	0.000222891	0.000425885	0.000261727	0.000178147
5684	0.000233367	0.000214134	0.000465707	0.00024572	0.000158147	0.000227738	0.000211006	0.000397439	0.00024572	0.000163621
5685	0.000215419	0.000198264	0.000422659	0.000222892	0.000143713	0.000208857	0.000193946	0.000360083	0.000222892	0.000149503
5686	0.000190182	0.000175616	0.000366148	0.000193672	0.000132637	0.000183363	0.0001707	0.000311796	0.000193672	0.000138847
5687	0.000164711	0.000152102	0.000317029	0.000167876	0.000127799	0.000158941	0.000147959	0.000270327	0.000167876	0.000133689
5688	0.000144399	0.000133215	0.000279504	0.000148563	0.000125636	0.000139982	0.000130198	0.000239211	0.000148563	0.000131383
5689	0.000126771	0.000116749	0.000247838	0.000132073	0.000125388	0.000123661	0.000114843	0.000213097	0.000132073	0.000131124
5690	0.000117961	0.000108562	0.000231497	0.000123684	0.000127377	0.00011543	0.000107137	0.00019954	0.000123684	0.000133276
5691	0.000111847	0.000102987	0.000218872	0.000117381	0.000135998	0.000109495	0.000101673	0.000188822	0.000117381	0.000142513

5692	0.000112489	0.000103616	0.000219679	0.000118231	0.000150157	0.000110164	0.000102333	0.000189585	0.000118231	0.000157668
5693	0.000120031	0.000110579	0.000234211	0.00012614	0.000165193	0.000117491	0.000109162	0.000201971	0.00012614	0.000173747
5694	0.000129144	0.000118996	0.000251734	0.000135347	0.000171768	0.000126219	0.000117292	0.000216755	0.000135347	0.000180909
5695	0.000133544	0.000122787	0.000263495	0.000141323	0.000219444	0.000130783	0.000121368	0.000226275	0.000141323	0.000223991
5696	0.000144218	0.000132037	0.00029137	0.00015528	0.000222121	0.000142108	0.000131454	0.000250155	0.00015528	0.000226921
5697	0.000151925	0.000139101	0.000306845	0.000163501	0.000226833	0.00014967	0.000138456	0.000263408	0.000163501	0.000231931
5698	0.00016312	0.000149362	0.000329332	0.000175527	0.000227157	0.000160687	0.000148656	0.000282702	0.000175527	0.000232252
5699	0.000177733	0.000162635	0.000360123	0.00019154	0.000226018	0.000175237	0.000162023	0.000309257	0.00019154	0.00023102
5700	0.000194936	0.000178058	0.000398831	0.000211276	0.000219148	0.000192782	0.00017797	0.000343009	0.000211276	0.000224975
5701	0.000211276	0.000192786	0.000434644	0.000229743	0.000220562	0.000209309	0.000193058	0.00037413	0.000229743	0.000226496
5702	0.000228891	0.000208553	0.000474577	0.000250109	0.000217406	0.000227343	0.000209431	0.000409014	0.000250109	0.000223126
5703	0.000242068	0.000220439	0.000503365	0.000265109	0.000216033	0.000240706	0.00022164	0.000434077	0.000265109	0.000220351
5704	0.000248525	0.000226354	0.00051636	0.000272034	0.000204094	0.000247056	0.000227517	0.000445223	0.000272034	0.000207588
5705	0.000252394	0.000230071	0.000522065	0.000275872	0.000194951	0.000250666	0.000231013	0.000449982	0.000275872	0.000197831
5706	0.000250353	0.000228518	0.000514129	0.000271202	0.000189507	0.000247617	0.000228441	0.000442104	0.000271202	0.000192029
5707	0.000245637	0.000224793	0.000497443	0.000261727	0.000174059	0.00024111	0.000222891	0.000425885	0.000261727	0.000178147
5708	0.000233367	0.000214134	0.000465707	0.00024572	0.000158147	0.000227738	0.000211006	0.000397439	0.00024572	0.000163621
5709	0.000215419	0.000198264	0.000422659	0.000222892	0.000143713	0.000208857	0.000193946	0.000360083	0.000222892	0.000149503
5710	0.000190182	0.000175616	0.000366148	0.000193672	0.000132637	0.000183363	0.0001707	0.000311796	0.000193672	0.000138847
5711	0.000164711	0.000152102	0.000317029	0.000167876	0.000127799	0.000158941	0.000147959	0.000270327	0.000167876	0.000133689
5712	0.000144399	0.000133215	0.000279504	0.000148563	0.000125636	0.000139982	0.000130198	0.000239211	0.000148563	0.000131383
5713	0.000126771	0.000116749	0.000247838	0.000132073	0.000125388	0.000123661	0.000114843	0.000213097	0.000132073	0.000131124
5714	0.000117961	0.000108562	0.000231497	0.000123684	0.000127377	0.00011543	0.000107137	0.00019954	0.000123684	0.000133276
5715	0.000111847	0.000102987	0.000218872	0.000117381	0.000135998	0.000109495	0.000101673	0.000188822	0.000117381	0.000142513
5716	0.000112489	0.000103616	0.000219679	0.000118231	0.000150157	0.000110164	0.000102333	0.000189585	0.000118231	0.000157668
5717	0.000120031	0.000110579	0.000234211	0.00012614	0.000165193	0.000117491	0.000109162	0.000201971	0.00012614	0.000173747
5718	0.000129144	0.000118996	0.000251734	0.000135347	0.000171768	0.000126219	0.000117292	0.000216755	0.000135347	0.000180909
5719	0.000133544	0.000122787	0.000263495	0.000141323	0.000219444	0.000130783	0.000121368	0.000226275	0.000141323	0.000223991
5720	0.000144218	0.000132037	0.00029137	0.00015528	0.000222121	0.000142108	0.000131454	0.000250155	0.00015528	0.000226921
5721	0.000151925	0.000139101	0.000306845	0.000163501	0.000226833	0.00014967	0.000138456	0.000263408	0.000163501	0.000231931
5722	0.00016312	0.000149362	0.000329332	0.000175527	0.000227157	0.000160687	0.000148656	0.000282702	0.000175527	0.000232252
5723	0.000177733	0.000162635	0.000360123	0.00019154	0.000226018	0.000175237	0.000162023	0.000309257	0.00019154	0.00023102
5724	0.000194936	0.000178058	0.000398831	0.000211276	0.000219148	0.000192782	0.00017797	0.000343009	0.000211276	0.000224975
5725	0.000211276	0.000192786	0.000434644	0.000229743	0.000220562	0.000209309	0.000193058	0.00037413	0.000229743	0.000226496
5726	0.000228891	0.000208553	0.000474577	0.000250109	0.000217406	0.000227343	0.000209431	0.000409014	0.000250109	0.000223126
5727	0.000242068	0.000220439	0.000503365	0.000265109	0.000216033	0.000240706	0.00022164	0.000434077	0.000265109	0.000220351
5728	0.000248525	0.000226354	0.00051636	0.000272034	0.000204094	0.000247056	0.000227517	0.000445223	0.000272034	0.000207588
5729	0.000252394	0.000230071	0.000522065	0.000275872	0.000194951	0.000250666	0.000231013	0.000449982	0.000275872	0.000197831
5730	0.000250353	0.000228518	0.000514129	0.000271202	0.000189507	0.000247617	0.000228441	0.000442104	0.000271202	0.000192029
5731	0.000245637	0.000224793	0.000497443	0.000261727	0.000174059	0.00024111	0.000222891	0.000425885	0.000261727	0.000178147
5732	0.000233367	0.000214134	0.000465707	0.00024572	0.000158147	0.000227738	0.000211006	0.000397439	0.00024572	0.000163621
5733	0.000215419	0.000198264	0.000422659	0.000222892	0.000143713	0.000208857	0.000193946	0.000360083	0.000222892	0.000149503
5734	0.000190182	0.000175616	0.000366148	0.000193672	0.000132637	0.000183363	0.0001707	0.000311796	0.000193672	0.000138847
5735	0.000164711	0.000152102	0.000317029	0.000167876	0.000127799	0.000158941	0.000147959	0.000270327	0.000167876	0.000133689
5736	0.000144399	0.000133215	0.000279504	0.000148563	0.000125636	0.000139982	0.000130198	0.000239211	0.000148563	0.000131383
5737	0.000126125	0.000116172	0.000246372	0.000131343	0.000125558	0.000123006	0.000114249	0.000211823	0.000131343	0.000131302
5738	0.000117279	0.000107945	0.000230032	0.000122916	0.000127052	0.000114743	0.000106508	0.000198268	0.000122916	0.00013293
5739	0.00011107	0.000102286	0.000217178	0.000116506	0.000135713	0.00010871	0.000100956	0.000187352	0.000116506	0.00014221
5740	0.000111925	0.000103107	0.000218451	0.000117595	0.000149885	0.000109595	0.000101813	0.000188518	0.000117595	0.000157379
5741	0.000119626	0.000110214	0.000233325	0.000125684	0.000164929	0.000117083	0.000108789	0.000201201	0.000125684	0.000173466
5742	0.000129049	0.000118909	0.000251544	0.000135241	0.000171771	0.000126124	0.000117204	0.00021659	0.000135241	0.000180913
5743	0.000134913	0.000124274	0.000263431	0.000141369	0.000218903	0.000131692	0.000122372	0.000226226	0.000141369	0.000223413
5744	0.000143718	0.000131585	0.000290289	0.000154716	0.000221872	0.000141603	0.000130993	0.000249216	0.000154716	0.000226656
5745	0.00015109	0.000138342	0.000305084	0.000162563	0.000226589	0.000148831	0.000137684	0.00026188	0.000162563	0.000231673
5746	0.000161804	0.00014817	0.000326507	0.000174046	0.00022672	0.00015936	0.00014744	0.00028025	0.000174046	0.00023179
5747	0.000175757	0.000160842	0.000355929	0.000189319	0.000225511	0.000173248	0.000160197	0.000305615	0.000189319	0.000230483
5748	0.000192577	0.000175914	0.000393874	0.000208627	0.000218668	0.000190411	0.00017579	0.000338706	0.000208627	0.000224467
5749	0.000207845	0.000189684	0.000427242	0.000225882	0.000219992	0.00020585	0.000189891	0.000367702	0.000225882	0.000225891
5750	0.000224421	0.000204524	0.000464786	0.000245072	0.000216689	0.000222828	0.000205309	0.000400511	0.000245072	0.000222366
5751	0.000237367	0.0002162	0.000493063	0.00025981	0.000215498	0.000235956	0.000217303	0.000425131	0.00025981	0.000219786
5752	0.00024373	0.000222037	0.000505797	0.000266628	0.000203569	0.000242209	0.000223097	0.000436049	0.000266628	0.000207034
5753	0.000247733	0.000225865	0.000511906	0.00027062	0.000194413	0.000245959	0.000226713	0.00044116	0.00027062	0.000197262
5754	0.000245325	0.000223987	0.000503098	0.000265534	0.000188934	0.000242536	0.000223804	0.000432524	0.000265534	0.000191424
5755	0.000241378	0.000220948	0.000488183	0.00025693	0.000173421	0.000236811	0.000218961	0.000417845	0.00025693	0.000177471
5756	0.000229402	0.000210556	0.000457071	0.000241254	0.000157492	0.000223736	0.000207348	0.000389941	0.000241254	0.000162928
5757	0.000210351	0.000193432	0.000414744	0.000218683	0.00014299	0.000204218	0.000189528	0.000353203	0.000218683	0.000148737
5758	0.000187079	0.000172813	0.000359427	0.000190178	0.000131814	0.000180233	0.000167836	0.000305961	0.000190178	0.000137973
5759	0.000162299	0.000149918	0.000311869	0.000165163	0.000127048	0.000156512	0.000145732	0.000265847	0.000165163	0.000132893
5760	0.000143017	0.00013196	0.000276588	0.000147011	0.000125322	0.000138592	0.000128921	0.00023668	0.000147011	0.00013105
5761	0.000126125	0.000116172	0.000246372	0.000131343	0.000125558	0.000123006	0.000114249	0.000211823	0.000131343	0.000131302
5762	0.000117279	0.000107945	0.000230032	0.000122916	0.000127052	0.000114743	0.000106508	0.000198268	0.000122916	0.00013293
5763	0.00011107	0.000102286	0.000217178	0.000116506	0.000135713	0.00010871	0.000100956	0.000187352	0.000116506	0.00014221
5764	0.000111925	0.000103107	0.000218451	0.000117595	0.000149885	0.000109595	0.000101813	0.000188518	0.000117595	0.000157379
5765	0.000119626	0.000110214	0.000233325	0.000125684	0.000164929	0.000117083	0.000108789	0.000201201	0.000125684	0.000173466
5766	0.000129049	0.000118909	0.000251544	0.000135241	0.000171771	0.000126124	0.000117204	0.00021659	0.000135241	0.000180913
5767	0.000134913	0.000124274	0.000263431	0.000141369	0.000218903	0.000131692	0.000122372	0.000226226	0.000141369	0.000223413

5768	0.000143718	0.000131585	0.000290289	0.000154716	0.000221872	0.000141603	0.000130993	0.000249216	0.000154716	0.000226656
5769	0.00015109	0.000138342	0.000305084	0.000162563	0.000226589	0.000148831	0.000137684	0.00026188	0.000162563	0.000231673
5770	0.000161804	0.00014817	0.000326507	0.000174046	0.00022672	0.00015936	0.00014744	0.00028025	0.000174046	0.00023179
5771	0.000175757	0.000160842	0.000355929	0.000189319	0.000225511	0.000173248	0.000160197	0.000305615	0.000189319	0.000230483
5772	0.000192577	0.000175914	0.000393874	0.000208627	0.000218668	0.000190411	0.00017579	0.000338706	0.000208627	0.000224467
5773	0.000207845	0.000189684	0.000427242	0.000225882	0.000219992	0.00020585	0.000189891	0.000367702	0.000225882	0.000225891
5774	0.000224421	0.000204524	0.000464786	0.000245072	0.000216689	0.000222828	0.000205309	0.000400511	0.000245072	0.000222366
5775	0.000237367	0.0002162	0.000493063	0.00025981	0.000215498	0.000235956	0.000217303	0.000425131	0.00025981	0.000219786
5776	0.00024373	0.000222037	0.000505797	0.000266628	0.000203569	0.000242209	0.000223097	0.000436049	0.000266628	0.000207034
5777	0.000247733	0.000225865	0.000511906	0.00027062	0.000194413	0.000245959	0.000226713	0.00044116	0.00027062	0.000197262
5778	0.000245325	0.000223987	0.000503098	0.000265534	0.000188934	0.000242536	0.000223804	0.000432524	0.000265534	0.000191424
5779	0.000241378	0.000220948	0.000488183	0.00025693	0.000173421	0.000236811	0.000218961	0.000417845	0.00025693	0.000177471
5780	0.000229402	0.000210556	0.000457071	0.000241254	0.000157492	0.000223736	0.000207348	0.000389941	0.000241254	0.000162928
5781	0.000210351	0.000193432	0.000414744	0.000218683	0.00014299	0.000204218	0.000189528	0.000353203	0.000218683	0.000148737
5782	0.000187079	0.000172813	0.000359427	0.000190178	0.000131814	0.000180233	0.000167836	0.000305961	0.000190178	0.000137973
5783	0.000162299	0.000149918	0.000311869	0.000165163	0.000127048	0.000156512	0.000145732	0.000265847	0.000165163	0.000132893
5784	0.000143017	0.00013196	0.000276588	0.000147011	0.000125322	0.000138592	0.000128921	0.00023668	0.000147011	0.00013105
5785	0.000126771	0.000116749	0.000247838	0.000132073	0.000125388	0.000123661	0.000114843	0.000213097	0.000132073	0.000131124
5786	0.000117961	0.000108562	0.000231497	0.000123684	0.000127377	0.00011543	0.000107137	0.00019954	0.000123684	0.000133276
5787	0.000111847	0.000102987	0.000218872	0.000117381	0.000135998	0.000109495	0.000101673	0.000188822	0.000117381	0.000142513
5788	0.000112489	0.000103616	0.000219679	0.000118231	0.000150157	0.000110164	0.000102333	0.000189585	0.000118231	0.000157668
5789	0.000120031	0.000110579	0.000234211	0.00012614	0.000165193	0.000117491	0.000109162	0.000201971	0.00012614	0.000173747
5790	0.000129144	0.000118996	0.000251734	0.000135347	0.000171768	0.000126219	0.000117292	0.000216755	0.000135347	0.000180909
5791	0.000133544	0.000122787	0.000263495	0.000141323	0.000219444	0.000130783	0.000121368	0.000226275	0.000141323	0.000223991
5792	0.000144218	0.000132037	0.00029137	0.00015528	0.000222121	0.000142108	0.000131454	0.000250155	0.00015528	0.000226921
5793	0.000151925	0.000139101	0.000306845	0.000163501	0.000226833	0.00014967	0.000138456	0.000263408	0.000163501	0.000231931
5794	0.00016312	0.000149362	0.000329332	0.000175527	0.000227157	0.000160687	0.000148656	0.000282702	0.000175527	0.000232252
5795	0.000177733	0.000162635	0.000360123	0.00019154	0.000226018	0.000175237	0.000162023	0.000309257	0.00019154	0.00023102
5796	0.000194936	0.000178058	0.000398831	0.000211276	0.000219148	0.000192782	0.00017797	0.000343009	0.000211276	0.000224975
5797	0.000211276	0.000192786	0.000434644	0.000229743	0.000220562	0.000209309	0.000193058	0.00037413	0.000229743	0.000226496
5798	0.000228891	0.000208553	0.000474577	0.000250109	0.000217406	0.000227343	0.000209431	0.000409014	0.000250109	0.000223126
5799	0.000242068	0.000220439	0.000503365	0.000265109	0.000216033	0.000240706	0.00022164	0.000434077	0.000265109	0.000220351
5800	0.000248525	0.000226354	0.00051636	0.000272034	0.000204094	0.000247056	0.000227517	0.000445223	0.000272034	0.000207588
5801	0.000252394	0.000230071	0.000522065	0.000275872	0.000194951	0.000250666	0.000231013	0.000449982	0.000275872	0.000197831
5802	0.000250353	0.000228518	0.000514129	0.000271202	0.000189507	0.000247617	0.000228441	0.000442104	0.000271202	0.000192029
5803	0.000245637	0.000224793	0.000497443	0.000261727	0.000174059	0.00024111	0.000222891	0.000425885	0.000261727	0.000178147
5804	0.000233367	0.000214134	0.000465707	0.00024572	0.000158147	0.000227738	0.000211006	0.000397439	0.00024572	0.000163621
5805	0.000215419	0.000198264	0.000422659	0.000222892	0.000143713	0.000208857	0.000193946	0.000360083	0.000222892	0.000149503
5806	0.000190182	0.000175616	0.000366148	0.000193672	0.000132637	0.000183363	0.0001707	0.000311796	0.000193672	0.000138847
5807	0.000164711	0.000152102	0.000317029	0.000167876	0.000127799	0.000158941	0.000147959	0.000270327	0.000167876	0.000133689
5808	0.000144399	0.000133215	0.000279504	0.000148563	0.000125636	0.000139982	0.000130198	0.000239211	0.000148563	0.000131383
5809	0.000126771	0.000116749	0.000247838	0.000132073	0.000125388	0.000123661	0.000114843	0.000213097	0.000132073	0.000131124
5810	0.000117961	0.000108562	0.000231497	0.000123684	0.000127377	0.00011543	0.000107137	0.00019954	0.000123684	0.000133276
5811	0.000111847	0.000102987	0.000218872	0.000117381	0.000135998	0.000109495	0.000101673	0.000188822	0.000117381	0.000142513
5812	0.000112489	0.000103616	0.000219679	0.000118231	0.000150157	0.000110164	0.000102333	0.000189585	0.000118231	0.000157668
5813	0.000120031	0.000110579	0.000234211	0.00012614	0.000165193	0.000117491	0.000109162	0.000201971	0.00012614	0.000173747
5814	0.000129144	0.000118996	0.000251734	0.000135347	0.000171768	0.000126219	0.000117292	0.000216755	0.000135347	0.000180909
5815	0.000133544	0.000122787	0.000263495	0.000141323	0.000219444	0.000130783	0.000121368	0.000226275	0.000141323	0.000223991
5816	0.000144218	0.000132037	0.00029137	0.00015528	0.000222121	0.000142108	0.000131454	0.000250155	0.00015528	0.000226921
5817	0.000151925	0.000139101	0.000306845	0.000163501	0.000226833	0.00014967	0.000138456	0.000263408	0.000163501	0.000231931
5818	0.00016312	0.000149362	0.000329332	0.000175527	0.000227157	0.000160687	0.000148656	0.000282702	0.000175527	0.000232252
5819	0.000177733	0.000162635	0.000360123	0.00019154	0.000226018	0.000175237	0.000162023	0.000309257	0.00019154	0.00023102
5820	0.000194936	0.000178058	0.000398831	0.000211276	0.000219148	0.000192782	0.00017797	0.000343009	0.000211276	0.000224975
5821	0.000211276	0.000192786	0.000434644	0.000229743	0.000220562	0.000209309	0.000193058	0.00037413	0.000229743	0.000226496
5822	0.000228891	0.000208553	0.000474577	0.000250109	0.000217406	0.000227343	0.000209431	0.000409014	0.000250109	0.000223126
5823	0.000242068	0.000220439	0.000503365	0.000265109	0.000216033	0.000240706	0.00022164	0.000434077	0.000265109	0.000220351
5824	0.000248525	0.000226354	0.00051636	0.000272034	0.000204094	0.000247056	0.000227517	0.000445223	0.000272034	0.000207588
5825	0.000252394	0.000230071	0.000522065	0.000275872	0.000194951	0.000250666	0.000231013	0.000449982	0.000275872	0.000197831
5826	0.000250353	0.000228518	0.000514129	0.000271202	0.000189507	0.000247617	0.000228441	0.000442104	0.000271202	0.000192029
5827	0.000245637	0.000224793	0.000497443	0.000261727	0.000174059	0.00024111	0.000222891	0.000425885	0.000261727	0.000178147
5828	0.000233367	0.000214134	0.000465707	0.00024572	0.000158147	0.000227738	0.000211006	0.000397439	0.00024572	0.000163621
5829	0.000215419	0.000198264	0.000422659	0.000222892	0.000143713	0.000208857	0.000193946	0.000360083	0.000222892	0.000149503
5830	0.000190182	0.000175616	0.000366148	0.000193672	0.000132637	0.000183363	0.0001707	0.000311796	0.000193672	0.000138847
5831	0.000164711	0.000152102	0.000317029	0.000167876	0.000127799	0.000158941	0.000147959	0.000270327	0.000167876	0.000133689
5832	0.000144399	0.000133215	0.000279504	0.000148563	0.000125636	0.000139982	0.000130198	0.000239211	0.000148563	0.000131383
5833	0.000126771	0.000116749	0.000247838	0.000132073	0.000125388	0.000123661	0.000114843	0.000213097	0.000132073	0.000131124
5834	0.000117961	0.000108562	0.000231497	0.000123684	0.000127377	0.00011543	0.000107137	0.00019954	0.000123684	0.000133276
5835	0.000111847	0.000102987	0.000218872	0.000117381	0.000135998	0.000109495	0.000101673	0.000188822	0.000117381	0.000142513
5836	0.000112489	0.000103616	0.000219679	0.000118231	0.000150157	0.000110164	0.000102333	0.000189585	0.000118231	0.000157668
5837	0.000120031	0.000110579	0.000234211	0.00012614	0.000165193	0.000117491	0.000109162	0.000201971	0.00012614	0.000173747
5838	0.000129144	0.000118996	0.000251734	0.000135347	0.000171768	0.000126219	0.000117292	0.000216755	0.000135347	0.000180909
5839	0.000133544	0.000122787	0.000263495	0.000141323	0.000219444	0.000130783	0.000121368	0.000226275	0.000141323	0.000223991
5840	0.000144218	0.000132037	0.00029137	0.00015528	0.000222121	0.000142108	0.000131454	0.000250155	0.00015528	0.000226921
5841	0.000151925	0.000139101	0.000306845	0.000163501	0.000226833	0.00014967	0.000138456	0.000263408	0.000163501	0.000231931
5842	0.00016312	0.000149362	0.000329332	0.000175527	0.000227157	0.000160687	0.000148656	0.000282702	0.000175527	0.000232252
5843	0.000177733	0.000162635	0.000360123	0.00019154	0.000226018	0.000175237	0.000162023	0.000309257	0.00019154	0.00023102

5844	0.000194936	0.000178058	0.000398831	0.000211276	0.000219148	0.000192782	0.00017797	0.000343009	0.000211276	0.000224975
5845	0.000211276	0.000192786	0.000434644	0.000229743	0.000220562	0.000209309	0.000193058	0.00037413	0.000229743	0.000226496
5846	0.000228891	0.000208553	0.000474577	0.000250109	0.000217406	0.000227343	0.000209431	0.000409014	0.000250109	0.000223126
5847	0.000242068	0.000220439	0.000503365	0.000265109	0.000216033	0.000240706	0.00022164	0.000434077	0.000265109	0.000220351
5848	0.000248525	0.000226354	0.00051636	0.000272034	0.000204094	0.000247056	0.000227517	0.000445223	0.000272034	0.000207588
5849	0.000252394	0.000230071	0.000522065	0.000275872	0.000194951	0.000250666	0.000231013	0.000449982	0.000275872	0.000197831
5850	0.000250353	0.000228518	0.000514129	0.000271202	0.000189507	0.000247617	0.000228441	0.000442104	0.000271202	0.000192029
5851	0.000245637	0.000224793	0.000497443	0.000261727	0.000174059	0.00024111	0.000222891	0.000425885	0.000261727	0.000178147
5852	0.000233367	0.000214134	0.000465707	0.00024572	0.000158147	0.000227738	0.000211006	0.000397439	0.00024572	0.000163621
5853	0.000215419	0.000198264	0.000422659	0.000222892	0.000143713	0.000208857	0.000193946	0.000360083	0.000222892	0.000149503
5854	0.000190182	0.000175616	0.000366148	0.000193672	0.000132637	0.000183363	0.0001707	0.000311796	0.000193672	0.000138847
5855	0.000164711	0.000152102	0.000317029	0.000167876	0.000127799	0.000158941	0.000147959	0.000270327	0.000167876	0.000133689
5856	0.000144399	0.000133215	0.000279504	0.000148563	0.000125636	0.000139982	0.000130198	0.000239211	0.000148563	0.000131383
5857	6.92272E-05	7.32503E-05	2.0627E-05	6.14859E-05	0.000118238	6.83048E-05	7.18828E-05	3.20154E-05	6.14859E-05	0.000123624
5858	6.59479E-05	6.98643E-05	1.86362E-05	5.97085E-05	0.000121154	6.57062E-05	6.91506E-05	3.07722E-05	5.97085E-05	0.000126756
5859	6.53657E-05	6.92792E-05	1.80894E-05	5.99321E-05	0.00012999	6.5505E-05	6.8923E-05	3.08385E-05	5.99321E-05	0.000136238
5860	6.8452E-05	7.2552E-05	1.89223E-05	6.38612E-05	0.000142158	6.90736E-05	7.2626E-05	3.30439E-05	6.38612E-05	0.00014928
5861	7.53192E-05	7.98063E-05	2.11129E-05	7.03787E-05	0.000157468	7.60086E-05	7.99103E-05	3.64368E-05	7.03787E-05	0.00016567
5862	8.18767E-05	8.67026E-05	2.35783E-05	7.60192E-05	0.000166047	8.23252E-05	8.65492E-05	3.9484E-05	7.60192E-05	0.000174981
5863	8.31587E-05	8.79106E-05	2.57535E-05	7.82522E-05	0.000215424	8.38004E-05	8.80112E-05	4.10928E-05	7.82522E-05	0.000219891
5864	8.09011E-05	8.54065E-05	2.64732E-05	7.81757E-05	0.000220017	8.22002E-05	8.62084E-05	4.15478E-05	7.81757E-05	0.000224893
5865	8.155E-05	8.6066E-05	2.6994E-05	7.84855E-05	0.000222458	8.26776E-05	8.67029E-05	4.18515E-05	7.84855E-05	0.000227465
5866	8.56813E-05	9.04212E-05	2.84212E-05	8.1982E-05	0.00022272	8.66513E-05	9.08925E-05	4.3636E-05	8.1982E-05	0.000227721
5867	8.8923E-05	9.38387E-05	2.95394E-05	8.4687E-05	0.000223991	8.9753E-05	9.41651E-05	4.50045E-05	8.4687E-05	0.000229077
5868	8.95942E-05	9.45842E-05	2.93131E-05	8.51437E-05	0.000219098	9.04186E-05	9.49087E-05	4.48783E-05	8.51437E-05	0.000225155
5869	9.26134E-05	9.77976E-05	2.99862E-05	8.80578E-05	0.000216731	9.35314E-05	9.81981E-05	4.62006E-05	8.80578E-05	0.000222617
5870	9.65941E-05	0.000102054	3.06354E-05	9.26168E-05	0.000210774	9.79786E-05	0.000102873	4.83392E-05	9.26168E-05	0.000216244
5871	0.000102199	0.000108021	3.18753E-05	9.82291E-05	0.000205314	0.000103846	0.000109062	5.09468E-05	9.82291E-05	0.000209079
5872	0.00011034	0.000116662	3.39779E-05	0.000105341	0.000193105	0.000111877	0.000117571	5.41301E-05	0.000105341	0.000196006
5873	0.000117774	0.000124513	3.63615E-05	0.000113031	0.000184548	0.000119655	0.000125703	5.83125E-05	0.000113031	0.000186859
5874	0.000121534	0.000128337	3.93496E-05	0.000115208	0.000178303	0.00012259	0.000128726	6.03532E-05	0.000115208	0.000180199
5875	0.000125342	0.000132123	4.34356E-05	0.000114585	0.000162173	0.000124191	0.000130426	6.09463E-05	0.000114585	0.000165584
5876	0.00012084	0.000127188	4.41523E-05	0.000108806	0.000147223	0.000118679	0.000124555	5.90759E-05	0.000108806	0.000152091
5877	0.000113384	0.000119319	4.16899E-05	9.88298E-05	0.000133404	0.000109911	0.00011541	5.41348E-05	9.88298E-05	0.000138624
5878	0.000101974	0.000107378	3.66978E-05	8.62794E-05	0.000123251	9.78432E-05	0.00010283	4.72622E-05	8.62794E-05	0.000128948
5879	8.85511E-05	9.33068E-05	3.11012E-05	7.54247E-05	0.000119242	8.52916E-05	8.96413E-05	4.11762E-05	7.54247E-05	0.000124672
5880	7.85939E-05	8.29716E-05	2.57101E-05	6.82803E-05	0.000117259	7.65541E-05	8.05043E-05	3.64901E-05	6.82803E-05	0.000122568
5881	6.92272E-05	7.32503E-05	2.0627E-05	6.14859E-05	0.000118238	6.83048E-05	7.18828E-05	3.20154E-05	6.14859E-05	0.000123624
5882	6.59479E-05	6.98643E-05	1.86362E-05	5.97085E-05	0.000121154	6.57062E-05	6.91506E-05	3.07722E-05	5.97085E-05	0.000126756
5883	6.53657E-05	6.92792E-05	1.80894E-05	5.99321E-05	0.00012999	6.5505E-05	6.8923E-05	3.08385E-05	5.99321E-05	0.000136238
5884	6.8452E-05	7.2552E-05	1.89223E-05	6.38612E-05	0.000142158	6.90736E-05	7.2626E-05	3.30439E-05	6.38612E-05	0.00014928
5885	7.53192E-05	7.98063E-05	2.11129E-05	7.03787E-05	0.000157468	7.60086E-05	7.99103E-05	3.64368E-05	7.03787E-05	0.00016567
5886	8.18767E-05	8.67026E-05	2.35783E-05	7.60192E-05	0.000166047	8.23252E-05	8.65492E-05	3.9484E-05	7.60192E-05	0.000174981
5887	8.31587E-05	8.79106E-05	2.57535E-05	7.82522E-05	0.000215424	8.38004E-05	8.80112E-05	4.10928E-05	7.82522E-05	0.000219891
5888	8.09011E-05	8.54065E-05	2.64732E-05	7.81757E-05	0.000220017	8.22002E-05	8.62084E-05	4.15478E-05	7.81757E-05	0.000224893
5889	8.155E-05	8.6066E-05	2.6994E-05	7.84855E-05	0.000222458	8.26776E-05	8.67029E-05	4.18515E-05	7.84855E-05	0.000227465
5890	8.56813E-05	9.04212E-05	2.84212E-05	8.1982E-05	0.00022272	8.66513E-05	9.08925E-05	4.3636E-05	8.1982E-05	0.000227721
5891	8.8923E-05	9.38387E-05	2.95394E-05	8.4687E-05	0.000223991	8.9753E-05	9.41651E-05	4.50045E-05	8.4687E-05	0.000229077
5892	8.95942E-05	9.45842E-05	2.93131E-05	8.51437E-05	0.000219098	9.04186E-05	9.49087E-05	4.48783E-05	8.51437E-05	0.000225155
5893	9.26134E-05	9.77976E-05	2.99862E-05	8.80578E-05	0.000216731	9.35314E-05	9.81981E-05	4.62006E-05	8.80578E-05	0.000222617
5894	9.65941E-05	0.000102054	3.06354E-05	9.26168E-05	0.000210774	9.79786E-05	0.000102873	4.83392E-05	9.26168E-05	0.000216244
5895	0.000102199	0.000108021	3.18753E-05	9.82291E-05	0.000205314	0.000103846	0.000109062	5.09468E-05	9.82291E-05	0.000209079
5896	0.00011034	0.000116662	3.39779E-05	0.000105341	0.000193105	0.000111877	0.000117571	5.41301E-05	0.000105341	0.000196006
5897	0.000117774	0.000124513	3.63615E-05	0.000113031	0.000184548	0.000119655	0.000125703	5.83125E-05	0.000113031	0.000186859
5898	0.000121534	0.000128337	3.93496E-05	0.000115208	0.000178303	0.00012259	0.000128726	6.03532E-05	0.000115208	0.000180199
5899	0.000125342	0.000132123	4.34356E-05	0.000114585	0.000162173	0.000124191	0.000130426	6.09463E-05	0.000114585	0.000165584
5900	0.00012084	0.000127188	4.41523E-05	0.000108806	0.000147223	0.000118679	0.000124555	5.90759E-05	0.000108806	0.000152091
5901	0.000113384	0.000119319	4.16899E-05	9.88298E-05	0.000133404	0.000109911	0.00011541	5.41348E-05	9.88298E-05	0.000138624
5902	0.000101974	0.000107378	3.66978E-05	8.62794E-05	0.000123251	9.78432E-05	0.00010283	4.72622E-05	8.62794E-05	0.000128948
5903	8.85511E-05	9.33068E-05	3.11012E-05	7.54247E-05	0.000119242	8.52916E-05	8.96413E-05	4.11762E-05	7.54247E-05	0.000124672
5904	7.85939E-05	8.29716E-05	2.57101E-05	6.82803E-05	0.000117259	7.65541E-05	8.05043E-05	3.64901E-05	6.82803E-05	0.000122568
5905	7.04668E-05	7.45679E-05	2.09232E-05	6.26707E-05	0.000117453	6.95749E-05	7.32241E-05	3.25634E-05	6.26707E-05	0.00012277
5906	6.57604E-05	6.96656E-05	1.85844E-05	5.95032E-05	0.000121936	6.55039E-05	6.89391E-05	3.06637E-05	5.95032E-05	0.000127598
5907	6.52387E-05	6.91437E-05	1.8064E-05	5.98292E-05	0.000130733	6.5382E-05	6.87917E-05	3.08005E-05	5.98292E-05	0.000137038
5908	6.84794E-05	7.25804E-05	1.89378E-05	6.39204E-05	0.000143173	6.91145E-05	7.26666E-05	3.30885E-05	6.39204E-05	0.000150369
5909	7.55898E-05	8.00923E-05	2.11973E-05	7.07108E-05	0.00015895	7.63145E-05	8.02274E-05	3.66285E-05	7.07108E-05	0.000167259
5910	8.19271E-05	8.67542E-05	2.36145E-05	7.61571E-05	0.000168081	8.24118E-05	8.66335E-05	3.95944E-05	7.61571E-05	0.000177163
5911	8.4368E-05	8.92193E-05	2.57622E-05	7.81858E-05	0.00021777	8.45529E-05	8.884E-05	4.1073E-05	7.81858E-05	0.000222404
5912	8.02341E-05	8.46983E-05	2.63036E-05	7.75002E-05	0.000222976	8.15019E-05	8.54741E-05	4.12156E-05	7.75002E-05	0.00022806
5913	8.08305E-05	8.53017E-05	2.68158E-05	7.77748E-05	0.000225711	8.19314E-05	8.59168E-05	4.15109E-05	7.77748E-05	0.000230941
5914	8.56686E-05	9.04075E-05	2.84208E-05	8.19797E-05	0.000225901	8.66421E-05	9.0882E-05	4.36401E-05	8.19797E-05	0.000231118
5915	8.98366E-05	9.48089E-05	2.97694E-05	8.56037E-05	0.00022726	9.0706E-05	9.5168E-05	4.5451E-05	8.56037E-05	0.000232562
5916	9.10609E-05	9.61407E-05	2.96944E-05	8.66598E-05	0.000222456	9.19658E-05	9.65335E-05	4.56389E-05	8.66598E-05	0.000228736
5917	9.45639E-05	9.98684E-05	3.04833E-05	9.00368E-05	0.000219717	9.55746E-05	0.000100347	4.71756E-05	9.00368E-05	0.000225799
5918	9.90451E-05	0.000104659	3.12253E-05	9.49745E-05	0.000214109	0.000100496	0.00010553	4.94375E-05	9.49745E-05	0.0002198
5919	0.000105188	0.000111197	3.2592E-05	0.000101094	0.000208449	0.000106911	0.000112298	5.22766E-05	0.000101094	0.00021242

5920	0.000114383	0.000120961	3.49187E-05	0.000109111	0.000196308	0.000115982	0.000121913	5.58244E-05	0.000109111	0.00019942
5921	0.000122305	0.000129323	3.75312E-05	0.000117684	0.000187902	0.000124423	0.000130712	6.06317E-05	0.000117684	0.000190437
5922	0.000125434	0.000132475	4.03814E-05	0.000119306	0.000181763	0.00012673	0.000133069	6.24406E-05	0.000119306	0.000183898
5923	0.000128689	0.000135676	4.42833E-05	0.000117961	0.000165656	0.000127689	0.000134106	6.26E-05	0.000117961	0.000169305
5924	0.000123585	0.000130106	4.4812E-05	0.000111443	0.000150566	0.000121496	0.00012753	6.03025E-05	0.000111443	0.000155662
5925	0.000114227	0.000120192	4.21699E-05	0.000100851	0.000136028	0.000111258	0.0001168	5.50551E-05	0.000100851	0.000141426
5926	0.000103606	0.000109113	3.70759E-05	8.77948E-05	0.000125188	9.94977E-05	0.000104581	4.79402E-05	8.77948E-05	0.000131011
5927	8.99367E-05	9.47776E-05	3.14569E-05	7.68402E-05	0.000120985	8.67468E-05	9.11708E-05	4.18783E-05	7.68402E-05	0.000126529
5928	7.95944E-05	8.40335E-05	2.59678E-05	6.93055E-05	0.000118508	7.7606E-05	8.16096E-05	3.70001E-05	6.93055E-05	0.000123897
5929	7.04668E-05	7.45679E-05	2.09232E-05	6.26707E-05	0.000117453	6.95749E-05	7.32241E-05	3.25634E-05	6.26707E-05	0.00012277
5930	6.57604E-05	6.96656E-05	1.85844E-05	5.95032E-05	0.000121936	6.55039E-05	6.89391E-05	3.06637E-05	5.95032E-05	0.000127598
5931	6.52387E-05	6.91437E-05	1.8064E-05	5.98292E-05	0.000130733	6.5382E-05	6.87917E-05	3.08005E-05	5.98292E-05	0.000137038
5932	6.84794E-05	7.25804E-05	1.89378E-05	6.39204E-05	0.000143173	6.91145E-05	7.26666E-05	3.30885E-05	6.39204E-05	0.000150369
5933	7.55898E-05	8.00923E-05	2.11973E-05	7.07108E-05	0.00015895	7.63145E-05	8.02274E-05	3.66285E-05	7.07108E-05	0.000167259
5934	8.19271E-05	8.67542E-05	2.36145E-05	7.61571E-05	0.000168081	8.24118E-05	8.66335E-05	3.95944E-05	7.61571E-05	0.000177163
5935	8.4368E-05	8.92193E-05	2.57622E-05	7.81858E-05	0.00021777	8.45529E-05	8.884E-05	4.1073E-05	7.81858E-05	0.000222404
5936	8.02341E-05	8.46983E-05	2.63036E-05	7.75002E-05	0.000222976	8.15019E-05	8.54741E-05	4.12156E-05	7.75002E-05	0.00022806
5937	8.08305E-05	8.53017E-05	2.68158E-05	7.77748E-05	0.000225711	8.19314E-05	8.59168E-05	4.15109E-05	7.77748E-05	0.000230941
5938	8.56686E-05	9.04075E-05	2.84208E-05	8.19797E-05	0.000225901	8.66421E-05	9.0882E-05	4.36401E-05	8.19797E-05	0.000231118
5939	8.98366E-05	9.48089E-05	2.97694E-05	8.56037E-05	0.00022726	9.0706E-05	9.5168E-05	4.5451E-05	8.56037E-05	0.000232562
5940	9.10609E-05	9.61407E-05	2.96944E-05	8.66598E-05	0.000222456	9.19658E-05	9.65335E-05	4.56389E-05	8.66598E-05	0.000228736
5941	9.45639E-05	9.98684E-05	3.04833E-05	9.00368E-05	0.000219717	9.55746E-05	0.000100347	4.71756E-05	9.00368E-05	0.000225799
5942	9.90451E-05	0.000104659	3.12253E-05	9.49745E-05	0.000214109	0.000100496	0.00010553	4.94375E-05	9.49745E-05	0.0002198
5943	0.000105188	0.000111197	3.2592E-05	0.000101094	0.000208449	0.000106911	0.000112298	5.22766E-05	0.000101094	0.00021242
5944	0.000114383	0.000120961	3.49187E-05	0.000109111	0.000196308	0.000115982	0.000121913	5.58244E-05	0.000109111	0.00019942
5945	0.000122305	0.000129323	3.75312E-05	0.000117684	0.000187902	0.000124423	0.000130712	6.06317E-05	0.000117684	0.000190437
5946	0.000125434	0.000132475	4.03814E-05	0.000119306	0.000181763	0.00012673	0.000133069	6.24406E-05	0.000119306	0.000183898
5947	0.000128689	0.000135676	4.42833E-05	0.000117961	0.000165656	0.000127689	0.000134106	6.26E-05	0.000117961	0.000169305
5948	0.000123585	0.000130106	4.4812E-05	0.000111443	0.000150566	0.000121496	0.00012753	6.03025E-05	0.000111443	0.000155662
5949	0.000114227	0.000120192	4.21699E-05	0.000100851	0.000136028	0.000111258	0.0001168	5.50551E-05	0.000100851	0.000141426
5950	0.000103606	0.000109113	3.70759E-05	8.77948E-05	0.000125188	9.94977E-05	0.000104581	4.79402E-05	8.77948E-05	0.000131011
5951	8.99367E-05	9.47776E-05	3.14569E-05	7.68402E-05	0.000120985	8.67468E-05	9.11708E-05	4.18783E-05	7.68402E-05	0.000126529
5952	7.95944E-05	8.40335E-05	2.59678E-05	6.93055E-05	0.000118508	7.7606E-05	8.16096E-05	3.70001E-05	6.93055E-05	0.000123897
5953	7.04668E-05	7.45679E-05	2.09232E-05	6.26707E-05	0.000117453	6.95749E-05	7.32241E-05	3.25634E-05	6.26707E-05	0.00012277
5954	6.57604E-05	6.96656E-05	1.85844E-05	5.95032E-05	0.000121936	6.55039E-05	6.89391E-05	3.06637E-05	5.95032E-05	0.000127598
5955	6.52387E-05	6.91437E-05	1.8064E-05	5.98292E-05	0.000130733	6.5382E-05	6.87917E-05	3.08005E-05	5.98292E-05	0.000137038
5956	6.84794E-05	7.25804E-05	1.89378E-05	6.39204E-05	0.000143173	6.91145E-05	7.26666E-05	3.30885E-05	6.39204E-05	0.000150369
5957	7.55898E-05	8.00923E-05	2.11973E-05	7.07108E-05	0.00015895	7.63145E-05	8.02274E-05	3.66285E-05	7.07108E-05	0.000167259
5958	8.19271E-05	8.67542E-05	2.36145E-05	7.61571E-05	0.000168081	8.24118E-05	8.66335E-05	3.95944E-05	7.61571E-05	0.000177163
5959	8.4368E-05	8.92193E-05	2.57622E-05	7.81858E-05	0.00021777	8.45529E-05	8.884E-05	4.1073E-05	7.81858E-05	0.000222404
5960	8.02341E-05	8.46983E-05	2.63036E-05	7.75002E-05	0.000222976	8.15019E-05	8.54741E-05	4.12156E-05	7.75002E-05	0.00022806
5961	8.08305E-05	8.53017E-05	2.68158E-05	7.77748E-05	0.000225711	8.19314E-05	8.59168E-05	4.15109E-05	7.77748E-05	0.000230941
5962	8.56686E-05	9.04075E-05	2.84208E-05	8.19797E-05	0.000225901	8.66421E-05	9.0882E-05	4.36401E-05	8.19797E-05	0.000231118
5963	8.98366E-05	9.48089E-05	2.97694E-05	8.56037E-05	0.00022726	9.0706E-05	9.5168E-05	4.5451E-05	8.56037E-05	0.000232562
5964	9.10609E-05	9.61407E-05	2.96944E-05	8.66598E-05	0.000222456	9.19658E-05	9.65335E-05	4.56389E-05	8.66598E-05	0.000228736
5965	9.45639E-05	9.98684E-05	3.04833E-05	9.00368E-05	0.000219717	9.55746E-05	0.000100347	4.71756E-05	9.00368E-05	0.000225799
5966	9.90451E-05	0.000104659	3.12253E-05	9.49745E-05	0.000214109	0.000100496	0.00010553	4.94375E-05	9.49745E-05	0.0002198
5967	0.000105188	0.000111197	3.2592E-05	0.000101094	0.000208449	0.000106911	0.000112298	5.22766E-05	0.000101094	0.00021242
5968	0.000114383	0.000120961	3.49187E-05	0.000109111	0.000196308	0.000115982	0.000121913	5.58244E-05	0.000109111	0.00019942
5969	0.000122305	0.000129323	3.75312E-05	0.000117684	0.000187902	0.000124423	0.000130712	6.06317E-05	0.000117684	0.000190437
5970	0.000125434	0.000132475	4.03814E-05	0.000119306	0.000181763	0.00012673	0.000133069	6.24406E-05	0.000119306	0.000183898
5971	0.000128689	0.000135676	4.42833E-05	0.000117961	0.000165656	0.000127689	0.000134106	6.26E-05	0.000117961	0.000169305
5972	0.000123585	0.000130106	4.4812E-05	0.000111443	0.000150566	0.000121496	0.00012753	6.03025E-05	0.000111443	0.000155662
5973	0.000114227	0.000120192	4.21699E-05	0.000100851	0.000136028	0.000111258	0.0001168	5.50551E-05	0.000100851	0.000141426
5974	0.000103606	0.000109113	3.70759E-05	8.77948E-05	0.000125188	9.94977E-05	0.000104581	4.79402E-05	8.77948E-05	0.000131011
5975	8.99367E-05	9.47776E-05	3.14569E-05	7.68402E-05	0.000120985	8.67468E-05	9.11708E-05	4.18783E-05	7.68402E-05	0.000126529
5976	7.95944E-05	8.40335E-05	2.59678E-05	6.93055E-05	0.000118508	7.7606E-05	8.16096E-05	3.70001E-05	6.93055E-05	0.000123897
5977	6.92272E-05	7.32503E-05	2.0627E-05	6.14859E-05	0.000118238	6.83048E-05	7.18828E-05	3.20154E-05	6.14859E-05	0.000123624
5978	6.59479E-05	6.98643E-05	1.86362E-05	5.97085E-05	0.000121154	6.57062E-05	6.91506E-05	3.07722E-05	5.97085E-05	0.000126756
5979	6.53657E-05	6.92792E-05	1.80894E-05	5.99321E-05	0.00012999	6.5505E-05	6.8923E-05	3.08385E-05	5.99321E-05	0.000136238
5980	6.8452E-05	7.2552E-05	1.89223E-05	6.38612E-05	0.000142158	6.90736E-05	7.2626E-05	3.30439E-05	6.38612E-05	0.00014928
5981	7.53192E-05	7.98063E-05	2.11129E-05	7.03787E-05	0.000157468	7.60086E-05	7.99103E-05	3.64368E-05	7.03787E-05	0.00016567
5982	8.18767E-05	8.67026E-05	2.35783E-05	7.60192E-05	0.000166047	8.23252E-05	8.65492E-05	3.9484E-05	7.60192E-05	0.000174981
5983	8.31587E-05	8.79106E-05	2.57535E-05	7.82522E-05	0.000215424	8.38004E-05	8.80112E-05	4.10928E-05	7.82522E-05	0.000219891
5984	8.09011E-05	8.54065E-05	2.64732E-05	7.81757E-05	0.000220017	8.22002E-05	8.62084E-05	4.15478E-05	7.81757E-05	0.000224893
5985	8.155E-05	8.6066E-05	2.6994E-05	7.84855E-05	0.000222458	8.26776E-05	8.67029E-05	4.18515E-05	7.84855E-05	0.000227465
5986	8.56813E-05	9.04212E-05	2.84212E-05	8.1982E-05	0.00022272	8.66513E-05	9.08925E-05	4.3636E-05	8.1982E-05	0.000227721
5987	8.8923E-05	9.38387E-05	2.95394E-05	8.4687E-05	0.000223991	8.9753E-05	9.41651E-05	4.50045E-05	8.4687E-05	0.000229077
5988	8.95942E-05	9.45842E-05	2.93131E-05	8.51437E-05	0.000219098	9.04186E-05	9.49087E-05	4.48783E-05	8.51437E-05	0.000225155
5989	9.26134E-05	9.77976E-05	2.99862E-05	8.80578E-05	0.000216731	9.35314E-05	9.81981E-05	4.62006E-05	8.80578E-05	0.000222617
5990	9.65941E-05	0.000102054	3.06354E-05	9.26168E-05	0.000210774	9.79786E-05	0.000102873	4.83392E-05	9.26168E-05	0.000216244
5991	0.000102199	0.000108021	3.18753E-05	9.82291E-05	0.000205314	0.000103846	0.000109062	5.09468E-05	9.82291E-05	0.000209079
5992	0.00011034	0.000116662	3.39779E-05	0.000105341	0.000193105	0.000111877	0.000117571	5.41301E-05	0.000105341	0.000196006
5993	0.000117774	0.000124513	3.63615E-05	0.000113031	0.000184548	0.000119655	0.000125703	5.83125E-05	0.000113031	0.000186859
5994	0.000121534	0.000128337	3.93496E-05	0.000115208	0.000178303	0.00012259	0.000128726	6.03532E-05	0.000115208	0.000180199
5995	0.000125342	0.000132123	4.34356E-05	0.000114585	0.000162173	0.000124191	0.000130426	6.09463E-05	0.000114585	0.000165584

5996	0.00012084	0.000127188	4.41523E-05	0.000108806	0.000147223	0.000118679	0.000124555	5.90759E-05	0.000108806	0.000152091
5997	0.000113384	0.000119319	4.16899E-05	9.88298E-05	0.000133404	0.000109911	0.00011541	5.41348E-05	9.88298E-05	0.000138624
5998	0.000101974	0.000107378	3.66978E-05	8.62794E-05	0.000123251	9.78432E-05	0.00010283	4.72622E-05	8.62794E-05	0.000128948
5999	8.85511E-05	9.33068E-05	3.11012E-05	7.54247E-05	0.000119242	8.52916E-05	8.96413E-05	4.11762E-05	7.54247E-05	0.000124672
6000	7.85939E-05	8.29716E-05	2.57101E-05	6.82803E-05	0.000117259	7.65541E-05	8.05043E-05	3.64901E-05	6.82803E-05	0.000122568
6001	6.92272E-05	7.32503E-05	2.0627E-05	6.14859E-05	0.000118238	6.83048E-05	7.18828E-05	3.20154E-05	6.14859E-05	0.000123624
6002	6.59479E-05	6.98643E-05	1.86362E-05	5.97085E-05	0.000121154	6.57062E-05	6.91506E-05	3.07722E-05	5.97085E-05	0.000126756
6003	6.53657E-05	6.92792E-05	1.80894E-05	5.99321E-05	0.00012999	6.5505E-05	6.8923E-05	3.08385E-05	5.99321E-05	0.000136238
6004	6.8452E-05	7.2552E-05	1.89223E-05	6.38612E-05	0.000142158	6.90736E-05	7.2626E-05	3.30439E-05	6.38612E-05	0.00014928
6005	7.53192E-05	7.98063E-05	2.11129E-05	7.03787E-05	0.000157468	7.60086E-05	7.99103E-05	3.64368E-05	7.03787E-05	0.00016567
6006	8.18767E-05	8.67026E-05	2.35783E-05	7.60192E-05	0.000166047	8.23252E-05	8.65492E-05	3.9484E-05	7.60192E-05	0.000174981
6007	8.31587E-05	8.79106E-05	2.57535E-05	7.82522E-05	0.000215424	8.38004E-05	8.80112E-05	4.10928E-05	7.82522E-05	0.000219891
6008	8.09011E-05	8.54065E-05	2.64732E-05	7.81757E-05	0.000220017	8.22002E-05	8.62084E-05	4.15478E-05	7.81757E-05	0.000224893
6009	8.155E-05	8.6066E-05	2.6994E-05	7.84855E-05	0.000222458	8.26776E-05	8.67029E-05	4.18515E-05	7.84855E-05	0.000227465
6010	8.56813E-05	9.04212E-05	2.84212E-05	8.1982E-05	0.00022272	8.66513E-05	9.08925E-05	4.3636E-05	8.1982E-05	0.000227721
6011	8.8923E-05	9.38387E-05	2.95394E-05	8.4687E-05	0.000223991	8.9753E-05	9.41651E-05	4.50045E-05	8.4687E-05	0.000229077
6012	8.95942E-05	9.45842E-05	2.93131E-05	8.51437E-05	0.000219098	9.04186E-05	9.49087E-05	4.48783E-05	8.51437E-05	0.000225155
6013	9.26134E-05	9.77976E-05	2.99862E-05	8.80578E-05	0.000216731	9.35314E-05	9.81981E-05	4.62006E-05	8.80578E-05	0.000222617
6014	9.65941E-05	0.000102054	3.06354E-05	9.26168E-05	0.000210774	9.79786E-05	0.000102873	4.83392E-05	9.26168E-05	0.000216244
6015	0.000102199	0.000108021	3.18753E-05	9.82291E-05	0.000205314	0.000103846	0.000109062	5.09468E-05	9.82291E-05	0.000209079
6016	0.00011034	0.000116662	3.39779E-05	0.000105341	0.000193105	0.000111877	0.000117571	5.41301E-05	0.000105341	0.000196006
6017	0.000117774	0.000124513	3.63615E-05	0.000113031	0.000184548	0.000119655	0.000125703	5.83125E-05	0.000113031	0.000186859
6018	0.000121534	0.000128337	3.93496E-05	0.000115208	0.000178303	0.00012259	0.000128726	6.03532E-05	0.000115208	0.000180199
6019	0.000125342	0.000132123	4.34356E-05	0.000114585	0.000162173	0.000124191	0.000130426	6.09463E-05	0.000114585	0.000165584
6020	0.00012084	0.000127188	4.41523E-05	0.000108806	0.000147223	0.000118679	0.000124555	5.90759E-05	0.000108806	0.000152091
6021	0.000113384	0.000119319	4.16899E-05	9.88298E-05	0.000133404	0.000109911	0.00011541	5.41348E-05	9.88298E-05	0.000138624
6022	0.000101974	0.000107378	3.66978E-05	8.62794E-05	0.000123251	9.78432E-05	0.00010283	4.72622E-05	8.62794E-05	0.000128948
6023	8.85511E-05	9.33068E-05	3.11012E-05	7.54247E-05	0.000119242	8.52916E-05	8.96413E-05	4.11762E-05	7.54247E-05	0.000124672
6024	7.85939E-05	8.29716E-05	2.57101E-05	6.82803E-05	0.000117259	7.65541E-05	8.05043E-05	3.64901E-05	6.82803E-05	0.000122568
6025	6.92272E-05	7.32503E-05	2.0627E-05	6.14859E-05	0.000118238	6.83048E-05	7.18828E-05	3.20154E-05	6.14859E-05	0.000123624
6026	6.59479E-05	6.98643E-05	1.86362E-05	5.97085E-05	0.000121154	6.57062E-05	6.91506E-05	3.07722E-05	5.97085E-05	0.000126756
6027	6.53657E-05	6.92792E-05	1.80894E-05	5.99321E-05	0.00012999	6.5505E-05	6.8923E-05	3.08385E-05	5.99321E-05	0.000136238
6028	6.8452E-05	7.2552E-05	1.89223E-05	6.38612E-05	0.000142158	6.90736E-05	7.2626E-05	3.30439E-05	6.38612E-05	0.00014928
6029	7.53192E-05	7.98063E-05	2.11129E-05	7.03787E-05	0.000157468	7.60086E-05	7.99103E-05	3.64368E-05	7.03787E-05	0.00016567
6030	8.18767E-05	8.67026E-05	2.35783E-05	7.60192E-05	0.000166047	8.23252E-05	8.65492E-05	3.9484E-05	7.60192E-05	0.000174981
6031	8.31587E-05	8.79106E-05	2.57535E-05	7.82522E-05	0.000215424	8.38004E-05	8.80112E-05	4.10928E-05	7.82522E-05	0.000219891
6032	8.09011E-05	8.54065E-05	2.64732E-05	7.81757E-05	0.000220017	8.22002E-05	8.62084E-05	4.15478E-05	7.81757E-05	0.000224893
6033	8.155E-05	8.6066E-05	2.6994E-05	7.84855E-05	0.000222458	8.26776E-05	8.67029E-05	4.18515E-05	7.84855E-05	0.000227465
6034	8.56813E-05	9.04212E-05	2.84212E-05	8.1982E-05	0.00022272	8.66513E-05	9.08925E-05	4.3636E-05	8.1982E-05	0.000227721
6035	8.8923E-05	9.38387E-05	2.95394E-05	8.4687E-05	0.000223991	8.9753E-05	9.41651E-05	4.50045E-05	8.4687E-05	0.000229077
6036	8.95942E-05	9.45842E-05	2.93131E-05	8.51437E-05	0.000219098	9.04186E-05	9.49087E-05	4.48783E-05	8.51437E-05	0.000225155
6037	9.26134E-05	9.77976E-05	2.99862E-05	8.80578E-05	0.000216731	9.35314E-05	9.81981E-05	4.62006E-05	8.80578E-05	0.000222617
6038	9.65941E-05	0.000102054	3.06354E-05	9.26168E-05	0.000210774	9.79786E-05	0.000102873	4.83392E-05	9.26168E-05	0.000216244
6039	0.000102199	0.000108021	3.18753E-05	9.82291E-05	0.000205314	0.000103846	0.000109062	5.09468E-05	9.82291E-05	0.000209079
6040	0.00011034	0.000116662	3.39779E-05	0.000105341	0.000193105	0.000111877	0.000117571	5.41301E-05	0.000105341	0.000196006
6041	0.000117774	0.000124513	3.63615E-05	0.000113031	0.000184548	0.000119655	0.000125703	5.83125E-05	0.000113031	0.000186859
6042	0.000121534	0.000128337	3.93496E-05	0.000115208	0.000178303	0.00012259	0.000128726	6.03532E-05	0.000115208	0.000180199
6043	0.000125342	0.000132123	4.34356E-05	0.000114585	0.000162173	0.000124191	0.000130426	6.09463E-05	0.000114585	0.000165584
6044	0.00012084	0.000127188	4.41523E-05	0.000108806	0.000147223	0.000118679	0.000124555	5.90759E-05	0.000108806	0.000152091
6045	0.000113384	0.000119319	4.16899E-05	9.88298E-05	0.000133404	0.000109911	0.00011541	5.41348E-05	9.88298E-05	0.000138624
6046	0.000101974	0.000107378	3.66978E-05	8.62794E-05	0.000123251	9.78432E-05	0.00010283	4.72622E-05	8.62794E-05	0.000128948
6047	8.85511E-05	9.33068E-05	3.11012E-05	7.54247E-05	0.000119242	8.52916E-05	8.96413E-05	4.11762E-05	7.54247E-05	0.000124672
6048	7.85939E-05	8.29716E-05	2.57101E-05	6.82803E-05	0.000117259	7.65541E-05	8.05043E-05	3.64901E-05	6.82803E-05	0.000122568
6049	6.92272E-05	7.32503E-05	2.0627E-05	6.14859E-05	0.000118238	6.83048E-05	7.18828E-05	3.20154E-05	6.14859E-05	0.000123624
6050	6.59479E-05	6.98643E-05	1.86362E-05	5.97085E-05	0.000121154	6.57062E-05	6.91506E-05	3.07722E-05	5.97085E-05	0.000126756
6051	6.53657E-05	6.92792E-05	1.80894E-05	5.99321E-05	0.00012999	6.5505E-05	6.8923E-05	3.08385E-05	5.99321E-05	0.000136238
6052	6.8452E-05	7.2552E-05	1.89223E-05	6.38612E-05	0.000142158	6.90736E-05	7.2626E-05	3.30439E-05	6.38612E-05	0.00014928
6053	7.53192E-05	7.98063E-05	2.11129E-05	7.03787E-05	0.000157468	7.60086E-05	7.99103E-05	3.64368E-05	7.03787E-05	0.00016567
6054	8.18767E-05	8.67026E-05	2.35783E-05	7.60192E-05	0.000166047	8.23252E-05	8.65492E-05	3.9484E-05	7.60192E-05	0.000174981
6055	8.31587E-05	8.79106E-05	2.57535E-05	7.82522E-05	0.000215424	8.38004E-05	8.80112E-05	4.10928E-05	7.82522E-05	0.000219891
6056	8.09011E-05	8.54065E-05	2.64732E-05	7.81757E-05	0.000220017	8.22002E-05	8.62084E-05	4.15478E-05	7.81757E-05	0.000224893
6057	8.155E-05	8.6066E-05	2.6994E-05	7.84855E-05	0.000222458	8.26776E-05	8.67029E-05	4.18515E-05	7.84855E-05	0.000227465
6058	8.56813E-05	9.04212E-05	2.84212E-05	8.1982E-05	0.00022272	8.66513E-05	9.08925E-05	4.3636E-05	8.1982E-05	0.000227721
6059	8.8923E-05	9.38387E-05	2.95394E-05	8.4687E-05	0.000223991	8.9753E-05	9.41651E-05	4.50045E-05	8.4687E-05	0.000229077
6060	8.95942E-05	9.45842E-05	2.93131E-05	8.51437E-05	0.000219098	9.04186E-05	9.49087E-05	4.48783E-05	8.51437E-05	0.000225155
6061	9.26134E-05	9.77976E-05	2.99862E-05	8.80578E-05	0.000216731	9.35314E-05	9.81981E-05	4.62006E-05	8.80578E-05	0.000222617
6062	9.65941E-05	0.000102054	3.06354E-05	9.26168E-05	0.000210774	9.79786E-05	0.000102873	4.83392E-05	9.26168E-05	0.000216244
6063	0.000102199	0.000108021	3.18753E-05	9.82291E-05	0.000205314	0.000103846	0.000109062	5.09468E-05	9.82291E-05	0.000209079
6064	0.00011034	0.000116662	3.39779E-05	0.000105341	0.000193105	0.000111877	0.000117571	5.41301E-05	0.000105341	0.000196006
6065	0.000117774	0.000124513	3.63615E-05	0.000113031	0.000184548	0.000119655	0.000125703	5.83125E-05	0.000113031	0.000186859
6066	0.000121534	0.000128337	3.93496E-05	0.000115208	0.000178303	0.00012259	0.000128726	6.03532E-05	0.000115208	0.000180199
6067	0.000125342	0.000132123	4.34356E-05	0.000114585	0.000162173	0.000124191	0.000130426	6.09463E-05	0.000114585	0.000165584
6068	0.00012084	0.000127188	4.41523E-05	0.000108806	0.000147223	0.000118679	0.000124555	5.90759E-05	0.000108806	0.000152091
6069	0.000113384	0.000119319	4.16899E-05	9.88298E-05	0.000133404	0.000109911	0.00011541	5.41348E-05	9.88298E-05	0.000138624
6070	0.000101974	0.000107378	3.66978E-05	8.62794E-05	0.000123251	9.78432E-05	0.00010283	4.72622E-05	8.62794E-05	0.000128948
6071	8.85511E-05	9.33068E-05	3.11012E-05	7.54247E-05	0.000119242	8.52916E-05	8.96413E-05	4.11762E-05	7.54247E-05	0.000124672

6072	7.85939E-05	8.29716E-05	2.57101E-05	6.82803E-05	0.000117259	7.65541E-05	8.05043E-05	3.64901E-05	6.82803E-05	0.000122568
6073	7.04668E-05	7.45679E-05	2.09232E-05	6.26707E-05	0.000117453	6.95749E-05	7.32241E-05	3.25634E-05	6.26707E-05	0.00012277
6074	6.57604E-05	6.96656E-05	1.85844E-05	5.95032E-05	0.000121936	6.55039E-05	6.89391E-05	3.06637E-05	5.95032E-05	0.000127598
6075	6.52387E-05	6.91437E-05	1.8064E-05	5.98292E-05	0.000130733	6.5382E-05	6.87917E-05	3.08005E-05	5.98292E-05	0.000137038
6076	6.84794E-05	7.25804E-05	1.89378E-05	6.39204E-05	0.000143173	6.91145E-05	7.26666E-05	3.30885E-05	6.39204E-05	0.000150369
6077	7.55898E-05	8.00923E-05	2.11973E-05	7.07108E-05	0.00015895	7.63145E-05	8.02274E-05	3.66285E-05	7.07108E-05	0.000167259
6078	8.19271E-05	8.67542E-05	2.36145E-05	7.61571E-05	0.000168081	8.24118E-05	8.66335E-05	3.95944E-05	7.61571E-05	0.000177163
6079	8.4368E-05	8.92193E-05	2.57622E-05	7.81858E-05	0.00021777	8.45529E-05	8.884E-05	4.1073E-05	7.81858E-05	0.000222404
6080	8.02341E-05	8.46983E-05	2.63036E-05	7.75002E-05	0.000222976	8.15019E-05	8.54741E-05	4.12156E-05	7.75002E-05	0.00022806
6081	8.08305E-05	8.53017E-05	2.68158E-05	7.77748E-05	0.000225711	8.19314E-05	8.59168E-05	4.15109E-05	7.77748E-05	0.000230941
6082	8.56686E-05	9.04075E-05	2.84208E-05	8.19797E-05	0.000225901	8.66421E-05	9.0882E-05	4.36401E-05	8.19797E-05	0.000231118
6083	8.98366E-05	9.48089E-05	2.97694E-05	8.56037E-05	0.00022726	9.0706E-05	9.5168E-05	4.5451E-05	8.56037E-05	0.000232562
6084	9.10609E-05	9.61407E-05	2.96944E-05	8.66598E-05	0.000222456	9.19658E-05	9.65335E-05	4.56389E-05	8.66598E-05	0.000228736
6085	9.45639E-05	9.98684E-05	3.04833E-05	9.00368E-05	0.000219717	9.55746E-05	0.000100347	4.71756E-05	9.00368E-05	0.000225799
6086	9.90451E-05	0.000104659	3.12253E-05	9.49745E-05	0.000214109	0.000100496	0.00010553	4.94375E-05	9.49745E-05	0.0002198
6087	0.000105188	0.000111197	3.2592E-05	0.000101094	0.000208449	0.000106911	0.000112298	5.22766E-05	0.000101094	0.00021242
6088	0.000114383	0.000120961	3.49187E-05	0.000109111	0.000196308	0.000115982	0.000121913	5.58244E-05	0.000109111	0.00019942
6089	0.000122305	0.000129323	3.75312E-05	0.000117684	0.000187902	0.000124423	0.000130712	6.06317E-05	0.000117684	0.000190437
6090	0.000125434	0.000132475	4.03814E-05	0.000119306	0.000181763	0.00012673	0.000133069	6.24406E-05	0.000119306	0.000183898
6091	0.000128689	0.000135676	4.42833E-05	0.000117961	0.000165656	0.000127689	0.000134106	6.26E-05	0.000117961	0.000169305
6092	0.000123585	0.000130106	4.4812E-05	0.000111443	0.000150566	0.000121496	0.00012753	6.03025E-05	0.000111443	0.000155662
6093	0.000114227	0.000120192	4.21699E-05	0.000100851	0.000136028	0.000111258	0.0001168	5.50551E-05	0.000100851	0.000141426
6094	0.000103606	0.000109113	3.70759E-05	8.77948E-05	0.000125188	9.94977E-05	0.000104581	4.79402E-05	8.77948E-05	0.000131011
6095	8.99367E-05	9.47776E-05	3.14569E-05	7.68402E-05	0.000120985	8.67468E-05	9.11708E-05	4.18783E-05	7.68402E-05	0.000126529
6096	7.95944E-05	8.40335E-05	2.59678E-05	6.93055E-05	0.000118508	7.7606E-05	8.16096E-05	3.70001E-05	6.93055E-05	0.000123897
6097	7.04668E-05	7.45679E-05	2.09232E-05	6.26707E-05	0.000117453	6.95749E-05	7.32241E-05	3.25634E-05	6.26707E-05	0.00012277
6098	6.57604E-05	6.96656E-05	1.85844E-05	5.95032E-05	0.000121936	6.55039E-05	6.89391E-05	3.06637E-05	5.95032E-05	0.000127598
6099	6.52387E-05	6.91437E-05	1.8064E-05	5.98292E-05	0.000130733	6.5382E-05	6.87917E-05	3.08005E-05	5.98292E-05	0.000137038
6100	6.84794E-05	7.25804E-05	1.89378E-05	6.39204E-05	0.000143173	6.91145E-05	7.26666E-05	3.30885E-05	6.39204E-05	0.000150369
6101	7.55898E-05	8.00923E-05	2.11973E-05	7.07108E-05	0.00015895	7.63145E-05	8.02274E-05	3.66285E-05	7.07108E-05	0.000167259
6102	8.19271E-05	8.67542E-05	2.36145E-05	7.61571E-05	0.000168081	8.24118E-05	8.66335E-05	3.95944E-05	7.61571E-05	0.000177163
6103	8.4368E-05	8.92193E-05	2.57622E-05	7.81858E-05	0.00021777	8.45529E-05	8.884E-05	4.1073E-05	7.81858E-05	0.000222404
6104	8.02341E-05	8.46983E-05	2.63036E-05	7.75002E-05	0.000222976	8.15019E-05	8.54741E-05	4.12156E-05	7.75002E-05	0.00022806
6105	8.08305E-05	8.53017E-05	2.68158E-05	7.77748E-05	0.000225711	8.19314E-05	8.59168E-05	4.15109E-05	7.77748E-05	0.000230941
6106	8.56686E-05	9.04075E-05	2.84208E-05	8.19797E-05	0.000225901	8.66421E-05	9.0882E-05	4.36401E-05	8.19797E-05	0.000231118
6107	8.98366E-05	9.48089E-05	2.97694E-05	8.56037E-05	0.00022726	9.0706E-05	9.5168E-05	4.5451E-05	8.56037E-05	0.000232562
6108	9.10609E-05	9.61407E-05	2.96944E-05	8.66598E-05	0.000222456	9.19658E-05	9.65335E-05	4.56389E-05	8.66598E-05	0.000228736
6109	9.45639E-05	9.98684E-05	3.04833E-05	9.00368E-05	0.000219717	9.55746E-05	0.000100347	4.71756E-05	9.00368E-05	0.000225799
6110	9.90451E-05	0.000104659	3.12253E-05	9.49745E-05	0.000214109	0.000100496	0.00010553	4.94375E-05	9.49745E-05	0.0002198
6111	0.000105188	0.000111197	3.2592E-05	0.000101094	0.000208449	0.000106911	0.000112298	5.22766E-05	0.000101094	0.00021242
6112	0.000114383	0.000120961	3.49187E-05	0.000109111	0.000196308	0.000115982	0.000121913	5.58244E-05	0.000109111	0.00019942
6113	0.000122305	0.000129323	3.75312E-05	0.000117684	0.000187902	0.000124423	0.000130712	6.06317E-05	0.000117684	0.000190437
6114	0.000125434	0.000132475	4.03814E-05	0.000119306	0.000181763	0.00012673	0.000133069	6.24406E-05	0.000119306	0.000183898
6115	0.000128689	0.000135676	4.42833E-05	0.000117961	0.000165656	0.000127689	0.000134106	6.26E-05	0.000117961	0.000169305
6116	0.000123585	0.000130106	4.4812E-05	0.000111443	0.000150566	0.000121496	0.00012753	6.03025E-05	0.000111443	0.000155662
6117	0.000114227	0.000120192	4.21699E-05	0.000100851	0.000136028	0.000111258	0.0001168	5.50551E-05	0.000100851	0.000141426
6118	0.000103606	0.000109113	3.70759E-05	8.77948E-05	0.000125188	9.94977E-05	0.000104581	4.79402E-05	8.77948E-05	0.000131011
6119	8.99367E-05	9.47776E-05	3.14569E-05	7.68402E-05	0.000120985	8.67468E-05	9.11708E-05	4.18783E-05	7.68402E-05	0.000126529
6120	7.95944E-05	8.40335E-05	2.59678E-05	6.93055E-05	0.000118508	7.7606E-05	8.16096E-05	3.70001E-05	6.93055E-05	0.000123897
6121	6.92272E-05	7.32503E-05	2.0627E-05	6.14859E-05	0.000118238	6.83048E-05	7.18828E-05	3.20154E-05	6.14859E-05	0.000123624
6122	6.59479E-05	6.98643E-05	1.86362E-05	5.97085E-05	0.000121154	6.57062E-05	6.91506E-05	3.07722E-05	5.97085E-05	0.000126756
6123	6.53657E-05	6.92792E-05	1.80894E-05	5.99321E-05	0.00012999	6.5505E-05	6.8923E-05	3.08385E-05	5.99321E-05	0.000136238
6124	6.8452E-05	7.2552E-05	1.89223E-05	6.38612E-05	0.000142158	6.90736E-05	7.2626E-05	3.30439E-05	6.38612E-05	0.00014928
6125	7.53192E-05	7.98063E-05	2.11129E-05	7.03787E-05	0.000157468	7.60086E-05	7.99103E-05	3.64368E-05	7.03787E-05	0.00016567
6126	8.18767E-05	8.67026E-05	2.35783E-05	7.60192E-05	0.000166047	8.23252E-05	8.65492E-05	3.9484E-05	7.60192E-05	0.000174981
6127	8.31587E-05	8.79106E-05	2.57535E-05	7.82522E-05	0.000215424	8.38004E-05	8.80112E-05	4.10928E-05	7.82522E-05	0.000219891
6128	8.09011E-05	8.54065E-05	2.64732E-05	7.81757E-05	0.000220017	8.22002E-05	8.62084E-05	4.15478E-05	7.81757E-05	0.000224893
6129	8.155E-05	8.6066E-05	2.6994E-05	7.84855E-05	0.000222458	8.26776E-05	8.67029E-05	4.18515E-05	7.84855E-05	0.000227465
6130	8.56813E-05	9.04212E-05	2.84212E-05	8.1982E-05	0.00022272	8.66513E-05	9.08925E-05	4.3636E-05	8.1982E-05	0.000227721
6131	8.8923E-05	9.38387E-05	2.95394E-05	8.4687E-05	0.000223991	8.9753E-05	9.41651E-05	4.50045E-05	8.4687E-05	0.000229077
6132	8.95942E-05	9.45842E-05	2.93131E-05	8.51437E-05	0.000219098	9.04186E-05	9.49087E-05	4.48783E-05	8.51437E-05	0.000225155
6133	9.26134E-05	9.77976E-05	2.99862E-05	8.80578E-05	0.000216731	9.35314E-05	9.81981E-05	4.62006E-05	8.80578E-05	0.000222617
6134	9.65941E-05	0.000102054	3.06354E-05	9.26168E-05	0.000210774	9.79786E-05	0.000102873	4.83392E-05	9.26168E-05	0.000216244
6135	0.000102199	0.000108021	3.18753E-05	9.82291E-05	0.000205314	0.000103846	0.000109062	5.09468E-05	9.82291E-05	0.000209079
6136	0.00011034	0.000116662	3.39779E-05	0.000105341	0.000193105	0.000111877	0.000117571	5.41301E-05	0.000105341	0.000196006
6137	0.000117774	0.000124513	3.63615E-05	0.000113031	0.000184548	0.000119655	0.000125703	5.83125E-05	0.000113031	0.000186859
6138	0.000121534	0.000128337	3.93496E-05	0.000115208	0.000178303	0.00012259	0.000128726	6.03532E-05	0.000115208	0.000180199
6139	0.000125342	0.000132123	4.34356E-05	0.000114585	0.000162173	0.000124191	0.000130426	6.09463E-05	0.000114585	0.000165584
6140	0.00012084	0.000127188	4.41523E-05	0.000108806	0.000147223	0.000118679	0.000124555	5.90759E-05	0.000108806	0.000152091
6141	0.000113384	0.000119319	4.16899E-05	9.88298E-05	0.000133404	0.000109911	0.00011541	5.41348E-05	9.88298E-05	0.000138624
6142	0.000101974	0.000107378	3.66978E-05	8.62794E-05	0.000123251	9.78432E-05	0.00010283	4.72622E-05	8.62794E-05	0.000128948
6143	8.85511E-05	9.33068E-05	3.11012E-05	7.54247E-05	0.000119242	8.52916E-05	8.96413E-05	4.11762E-05	7.54247E-05	0.000124672
6144	7.85939E-05	8.29716E-05	2.57101E-05	6.82803E-05	0.000117259	7.65541E-05	8.05043E-05	3.64901E-05	6.82803E-05	0.000122568
6145	6.92272E-05	7.32503E-05	2.0627E-05	6.14859E-05	0.000118238	6.83048E-05	7.18828E-05	3.20154E-05	6.14859E-05	0.000123624
6146	6.59479E-05	6.98643E-05	1.86362E-05	5.97085E-05	0.000121154	6.57062E-05	6.91506E-05	3.07722E-05	5.97085E-05	0.000126756
6147	6.53657E-05	6.92792E-05	1.80894E-05	5.99321E-05	0.00012999	6.5505E-05	6.8923E-05	3.08385E-05	5.99321E-05	0.000136238

6148	6.8452E-05	7.2552E-05	1.89223E-05	6.38612E-05	0.000142158	6.90736E-05	7.2626E-05	3.30439E-05	6.38612E-05	0.00014928
6149	7.53192E-05	7.98063E-05	2.11129E-05	7.03787E-05	0.000157468	7.60086E-05	7.99103E-05	3.64368E-05	7.03787E-05	0.00016567
6150	8.18767E-05	8.67026E-05	2.35783E-05	7.60192E-05	0.000166047	8.23252E-05	8.65492E-05	3.9484E-05	7.60192E-05	0.000174981
6151	8.31587E-05	8.79106E-05	2.57535E-05	7.82522E-05	0.000215424	8.38004E-05	8.80112E-05	4.10928E-05	7.82522E-05	0.000219891
6152	8.09011E-05	8.54065E-05	2.64732E-05	7.81757E-05	0.000220017	8.22002E-05	8.62084E-05	4.15478E-05	7.81757E-05	0.000224893
6153	8.155E-05	8.6066E-05	2.6994E-05	7.84855E-05	0.000222458	8.26776E-05	8.67029E-05	4.18515E-05	7.84855E-05	0.000227465
6154	8.56813E-05	9.04212E-05	2.84212E-05	8.1982E-05	0.00022272	8.66513E-05	9.08925E-05	4.3636E-05	8.1982E-05	0.000227721
6155	8.8923E-05	9.38387E-05	2.95394E-05	8.4687E-05	0.000223991	8.9753E-05	9.41651E-05	4.50045E-05	8.4687E-05	0.000229077
6156	8.95942E-05	9.45842E-05	2.93131E-05	8.51437E-05	0.000219098	9.04186E-05	9.49087E-05	4.48783E-05	8.51437E-05	0.000225155
6157	9.26134E-05	9.77976E-05	2.99862E-05	8.80578E-05	0.000216731	9.35314E-05	9.81981E-05	4.62006E-05	8.80578E-05	0.000222617
6158	9.65941E-05	0.000102054	3.06354E-05	9.26168E-05	0.000210774	9.79786E-05	0.000102873	4.83392E-05	9.26168E-05	0.000216244
6159	0.000102199	0.000108021	3.18753E-05	9.82291E-05	0.000205314	0.000103846	0.000109062	5.09468E-05	9.82291E-05	0.000209079
6160	0.00011034	0.000116662	3.39779E-05	0.000105341	0.000193105	0.000111877	0.000117571	5.41301E-05	0.000105341	0.000196006
6161	0.000117774	0.000124513	3.63615E-05	0.000113031	0.000184548	0.000119655	0.000125703	5.83125E-05	0.000113031	0.000186859
6162	0.000121534	0.000128337	3.93496E-05	0.000115208	0.000178303	0.00012259	0.000128726	6.03532E-05	0.000115208	0.000180199
6163	0.000125342	0.000132123	4.34356E-05	0.000114585	0.000162173	0.000124191	0.000130426	6.09463E-05	0.000114585	0.000165584
6164	0.00012084	0.000127188	4.41523E-05	0.000108806	0.000147223	0.000118679	0.000124555	5.90759E-05	0.000108806	0.000152091
6165	0.000113384	0.000119319	4.16899E-05	9.88298E-05	0.000133404	0.000109911	0.00011541	5.41348E-05	9.88298E-05	0.000138624
6166	0.000101974	0.000107378	3.66978E-05	8.62794E-05	0.000123251	9.78432E-05	0.00010283	4.72622E-05	8.62794E-05	0.000128948
6167	8.85511E-05	9.33068E-05	3.11012E-05	7.54247E-05	0.000119242	8.52916E-05	8.96413E-05	4.11762E-05	7.54247E-05	0.000124672
6168	7.85939E-05	8.29716E-05	2.57101E-05	6.82803E-05	0.000117259	7.65541E-05	8.05043E-05	3.64901E-05	6.82803E-05	0.000122568
6169	6.92272E-05	7.32503E-05	2.0627E-05	6.14859E-05	0.000118238	6.83048E-05	7.18828E-05	3.20154E-05	6.14859E-05	0.000123624
6170	6.59479E-05	6.98643E-05	1.86362E-05	5.97085E-05	0.000121154	6.57062E-05	6.91506E-05	3.07722E-05	5.97085E-05	0.000126756
6171	6.53657E-05	6.92792E-05	1.80894E-05	5.99321E-05	0.00012999	6.5505E-05	6.8923E-05	3.08385E-05	5.99321E-05	0.000136238
6172	6.8452E-05	7.2552E-05	1.89223E-05	6.38612E-05	0.000142158	6.90736E-05	7.2626E-05	3.30439E-05	6.38612E-05	0.00014928
6173	7.53192E-05	7.98063E-05	2.11129E-05	7.03787E-05	0.000157468	7.60086E-05	7.99103E-05	3.64368E-05	7.03787E-05	0.00016567
6174	8.18767E-05	8.67026E-05	2.35783E-05	7.60192E-05	0.000166047	8.23252E-05	8.65492E-05	3.9484E-05	7.60192E-05	0.000174981
6175	8.31587E-05	8.79106E-05	2.57535E-05	7.82522E-05	0.000215424	8.38004E-05	8.80112E-05	4.10928E-05	7.82522E-05	0.000219891
6176	8.09011E-05	8.54065E-05	2.64732E-05	7.81757E-05	0.000220017	8.22002E-05	8.62084E-05	4.15478E-05	7.81757E-05	0.000224893
6177	8.155E-05	8.6066E-05	2.6994E-05	7.84855E-05	0.000222458	8.26776E-05	8.67029E-05	4.18515E-05	7.84855E-05	0.000227465
6178	8.56813E-05	9.04212E-05	2.84212E-05	8.1982E-05	0.00022272	8.66513E-05	9.08925E-05	4.3636E-05	8.1982E-05	0.000227721
6179	8.8923E-05	9.38387E-05	2.95394E-05	8.4687E-05	0.000223991	8.9753E-05	9.41651E-05	4.50045E-05	8.4687E-05	0.000229077
6180	8.95942E-05	9.45842E-05	2.93131E-05	8.51437E-05	0.000219098	9.04186E-05	9.49087E-05	4.48783E-05	8.51437E-05	0.000225155
6181	9.26134E-05	9.77976E-05	2.99862E-05	8.80578E-05	0.000216731	9.35314E-05	9.81981E-05	4.62006E-05	8.80578E-05	0.000222617
6182	9.65941E-05	0.000102054	3.06354E-05	9.26168E-05	0.000210774	9.79786E-05	0.000102873	4.83392E-05	9.26168E-05	0.000216244
6183	0.000102199	0.000108021	3.18753E-05	9.82291E-05	0.000205314	0.000103846	0.000109062	5.09468E-05	9.82291E-05	0.000209079
6184	0.00011034	0.000116662	3.39779E-05	0.000105341	0.000193105	0.000111877	0.000117571	5.41301E-05	0.000105341	0.000196006
6185	0.000117774	0.000124513	3.63615E-05	0.000113031	0.000184548	0.000119655	0.000125703	5.83125E-05	0.000113031	0.000186859
6186	0.000121534	0.000128337	3.93496E-05	0.000115208	0.000178303	0.00012259	0.000128726	6.03532E-05	0.000115208	0.000180199
6187	0.000125342	0.000132123	4.34356E-05	0.000114585	0.000162173	0.000124191	0.000130426	6.09463E-05	0.000114585	0.000165584
6188	0.00012084	0.000127188	4.41523E-05	0.000108806	0.000147223	0.000118679	0.000124555	5.90759E-05	0.000108806	0.000152091
6189	0.000113384	0.000119319	4.16899E-05	9.88298E-05	0.000133404	0.000109911	0.00011541	5.41348E-05	9.88298E-05	0.000138624
6190	0.000101974	0.000107378	3.66978E-05	8.62794E-05	0.000123251	9.78432E-05	0.00010283	4.72622E-05	8.62794E-05	0.000128948
6191	8.85511E-05	9.33068E-05	3.11012E-05	7.54247E-05	0.000119242	8.52916E-05	8.96413E-05	4.11762E-05	7.54247E-05	0.000124672
6192	7.85939E-05	8.29716E-05	2.57101E-05	6.82803E-05	0.000117259	7.65541E-05	8.05043E-05	3.64901E-05	6.82803E-05	0.000122568
6193	6.92272E-05	7.32503E-05	2.0627E-05	6.14859E-05	0.000118238	6.83048E-05	7.18828E-05	3.20154E-05	6.14859E-05	0.000123624
6194	6.59479E-05	6.98643E-05	1.86362E-05	5.97085E-05	0.000121154	6.57062E-05	6.91506E-05	3.07722E-05	5.97085E-05	0.000126756
6195	6.53657E-05	6.92792E-05	1.80894E-05	5.99321E-05	0.00012999	6.5505E-05	6.8923E-05	3.08385E-05	5.99321E-05	0.000136238
6196	6.8452E-05	7.2552E-05	1.89223E-05	6.38612E-05	0.000142158	6.90736E-05	7.2626E-05	3.30439E-05	6.38612E-05	0.00014928
6197	7.53192E-05	7.98063E-05	2.11129E-05	7.03787E-05	0.000157468	7.60086E-05	7.99103E-05	3.64368E-05	7.03787E-05	0.00016567
6198	8.18767E-05	8.67026E-05	2.35783E-05	7.60192E-05	0.000166047	8.23252E-05	8.65492E-05	3.9484E-05	7.60192E-05	0.000174981
6199	8.31587E-05	8.79106E-05	2.57535E-05	7.82522E-05	0.000215424	8.38004E-05	8.80112E-05	4.10928E-05	7.82522E-05	0.000219891
6200	8.09011E-05	8.54065E-05	2.64732E-05	7.81757E-05	0.000220017	8.22002E-05	8.62084E-05	4.15478E-05	7.81757E-05	0.000224893
6201	8.155E-05	8.6066E-05	2.6994E-05	7.84855E-05	0.000222458	8.26776E-05	8.67029E-05	4.18515E-05	7.84855E-05	0.000227465
6202	8.56813E-05	9.04212E-05	2.84212E-05	8.1982E-05	0.00022272	8.66513E-05	9.08925E-05	4.3636E-05	8.1982E-05	0.000227721
6203	8.8923E-05	9.38387E-05	2.95394E-05	8.4687E-05	0.000223991	8.9753E-05	9.41651E-05	4.50045E-05	8.4687E-05	0.000229077
6204	8.95942E-05	9.45842E-05	2.93131E-05	8.51437E-05	0.000219098	9.04186E-05	9.49087E-05	4.48783E-05	8.51437E-05	0.000225155
6205	9.26134E-05	9.77976E-05	2.99862E-05	8.80578E-05	0.000216731	9.35314E-05	9.81981E-05	4.62006E-05	8.80578E-05	0.000222617
6206	9.65941E-05	0.000102054	3.06354E-05	9.26168E-05	0.000210774	9.79786E-05	0.000102873	4.83392E-05	9.26168E-05	0.000216244
6207	0.000102199	0.000108021	3.18753E-05	9.82291E-05	0.000205314	0.000103846	0.000109062	5.09468E-05	9.82291E-05	0.000209079
6208	0.00011034	0.000116662	3.39779E-05	0.000105341	0.000193105	0.000111877	0.000117571	5.41301E-05	0.000105341	0.000196006
6209	0.000117774	0.000124513	3.63615E-05	0.000113031	0.000184548	0.000119655	0.000125703	5.83125E-05	0.000113031	0.000186859
6210	0.000121534	0.000128337	3.93496E-05	0.000115208	0.000178303	0.00012259	0.000128726	6.03532E-05	0.000115208	0.000180199
6211	0.000125342	0.000132123	4.34356E-05	0.000114585	0.000162173	0.000124191	0.000130426	6.09463E-05	0.000114585	0.000165584
6212	0.00012084	0.000127188	4.41523E-05	0.000108806	0.000147223	0.000118679	0.000124555	5.90759E-05	0.000108806	0.000152091
6213	0.000113384	0.000119319	4.16899E-05	9.88298E-05	0.000133404	0.000109911	0.00011541	5.41348E-05	9.88298E-05	0.000138624
6214	0.000101974	0.000107378	3.66978E-05	8.62794E-05	0.000123251	9.78432E-05	0.00010283	4.72622E-05	8.62794E-05	0.000128948
6215	8.85511E-05	9.33068E-05	3.11012E-05	7.54247E-05	0.000119242	8.52916E-05	8.96413E-05	4.11762E-05	7.54247E-05	0.000124672
6216	7.85939E-05	8.29716E-05	2.57101E-05	6.82803E-05	0.000117259	7.65541E-05	8.05043E-05	3.64901E-05	6.82803E-05	0.000122568
6217	6.92272E-05	7.32503E-05	2.0627E-05	6.14859E-05	0.000118238	6.83048E-05	7.18828E-05	3.20154E-05	6.14859E-05	0.000123624
6218	6.59479E-05	6.98643E-05	1.86362E-05	5.97085E-05	0.000121154	6.57062E-05	6.91506E-05	3.07722E-05	5.97085E-05	0.000126756
6219	6.53657E-05	6.92792E-05	1.80894E-05	5.99321E-05	0.00012999	6.5505E-05	6.8923E-05	3.08385E-05	5.99321E-05	0.000136238
6220	6.8452E-05	7.2552E-05	1.89223E-05	6.38612E-05	0.000142158	6.90736E-05	7.2626E-05	3.30439E-05	6.38612E-05	0.00014928
6221	7.53192E-05	7.98063E-05	2.11129E-05	7.03787E-05	0.000157468	7.60086E-05	7.99103E-05	3.64368E-05	7.03787E-05	0.00016567
6222	8.18767E-05	8.67026E-05	2.35783E-05	7.60192E-05	0.000166047	8.23252E-05	8.65492E-05	3.9484E-05	7.60192E-05	0.000174981
6223	8.31587E-05	8.79106E-05	2.57535E-05	7.82522E-05	0.000215424	8.38004E-05	8.80112E-05	4.10928E-05	7.82522E-05	0.000219891

6224	8.09011E-05	8.54065E-05	2.64732E-05	7.81757E-05	0.000220017	8.22002E-05	8.62084E-05	4.15478E-05	7.81757E-05	0.000224893
6225	8.155E-05	8.6066E-05	2.6994E-05	7.84855E-05	0.000222458	8.26776E-05	8.67029E-05	4.18515E-05	7.84855E-05	0.000227465
6226	8.56813E-05	9.04212E-05	2.84212E-05	8.1982E-05	0.00022272	8.66513E-05	9.08925E-05	4.3636E-05	8.1982E-05	0.000227721
6227	8.8923E-05	9.38387E-05	2.95394E-05	8.4687E-05	0.000223991	8.9753E-05	9.41651E-05	4.50045E-05	8.4687E-05	0.000229077
6228	8.95942E-05	9.45842E-05	2.93131E-05	8.51437E-05	0.000219098	9.04186E-05	9.49087E-05	4.48783E-05	8.51437E-05	0.000225155
6229	9.26134E-05	9.77976E-05	2.99862E-05	8.80578E-05	0.000216731	9.35314E-05	9.81981E-05	4.62006E-05	8.80578E-05	0.000222617
6230	9.65941E-05	0.000102054	3.06354E-05	9.26168E-05	0.000210774	9.79786E-05	0.000102873	4.83392E-05	9.26168E-05	0.000216244
6231	0.000102199	0.000108021	3.18753E-05	9.82291E-05	0.000205314	0.000103846	0.000109062	5.09468E-05	9.82291E-05	0.000209079
6232	0.00011034	0.000116662	3.39779E-05	0.000105341	0.000193105	0.000111877	0.000117571	5.41301E-05	0.000105341	0.000196006
6233	0.000117774	0.000124513	3.63615E-05	0.000113031	0.000184548	0.000119655	0.000125703	5.83125E-05	0.000113031	0.000186859
6234	0.000121534	0.000128337	3.93496E-05	0.000115208	0.000178303	0.00012259	0.000128726	6.03532E-05	0.000115208	0.000180199
6235	0.000125342	0.000132123	4.34356E-05	0.000114585	0.000162173	0.000124191	0.000130426	6.09463E-05	0.000114585	0.000165584
6236	0.00012084	0.000127188	4.41523E-05	0.000108806	0.000147223	0.000118679	0.000124555	5.90759E-05	0.000108806	0.000152091
6237	0.000113384	0.000119319	4.16899E-05	9.88298E-05	0.000133404	0.000109911	0.00011541	5.41348E-05	9.88298E-05	0.000138624
6238	0.000101974	0.000107378	3.66978E-05	8.62794E-05	0.000123251	9.78432E-05	0.00010283	4.72622E-05	8.62794E-05	0.000128948
6239	8.85511E-05	9.33068E-05	3.11012E-05	7.54247E-05	0.000119242	8.52916E-05	8.96413E-05	4.11762E-05	7.54247E-05	0.000124672
6240	7.85939E-05	8.29716E-05	2.57101E-05	6.82803E-05	0.000117259	7.65541E-05	8.05043E-05	3.64901E-05	6.82803E-05	0.000122568
6241	7.04668E-05	7.45679E-05	2.09232E-05	6.26707E-05	0.000117453	6.95749E-05	7.32241E-05	3.25634E-05	6.26707E-05	0.00012277
6242	6.57604E-05	6.96656E-05	1.85844E-05	5.95032E-05	0.000121936	6.55039E-05	6.89391E-05	3.06637E-05	5.95032E-05	0.000127598
6243	6.52387E-05	6.91437E-05	1.8064E-05	5.98292E-05	0.000130733	6.5382E-05	6.87917E-05	3.08005E-05	5.98292E-05	0.000137038
6244	6.84794E-05	7.25804E-05	1.89378E-05	6.39204E-05	0.000143173	6.91145E-05	7.26666E-05	3.30885E-05	6.39204E-05	0.000150369
6245	7.55898E-05	8.00923E-05	2.11973E-05	7.07108E-05	0.00015895	7.63145E-05	8.02274E-05	3.66285E-05	7.07108E-05	0.000167259
6246	8.19271E-05	8.67542E-05	2.36145E-05	7.61571E-05	0.000168081	8.24118E-05	8.66335E-05	3.95944E-05	7.61571E-05	0.000177163
6247	8.4368E-05	8.92193E-05	2.57622E-05	7.81858E-05	0.00021777	8.45529E-05	8.884E-05	4.1073E-05	7.81858E-05	0.000222404
6248	8.02341E-05	8.46983E-05	2.63036E-05	7.75002E-05	0.000222976	8.15019E-05	8.54741E-05	4.12156E-05	7.75002E-05	0.00022806
6249	8.08305E-05	8.53017E-05	2.68158E-05	7.77748E-05	0.000225711	8.19314E-05	8.59168E-05	4.15109E-05	7.77748E-05	0.000230941
6250	8.56686E-05	9.04075E-05	2.84208E-05	8.19797E-05	0.000225901	8.66421E-05	9.0882E-05	4.36401E-05	8.19797E-05	0.000231118
6251	8.98366E-05	9.48089E-05	2.97694E-05	8.56037E-05	0.00022726	9.0706E-05	9.5168E-05	4.5451E-05	8.56037E-05	0.000232562
6252	9.10609E-05	9.61407E-05	2.96944E-05	8.66598E-05	0.000222456	9.19658E-05	9.65335E-05	4.56389E-05	8.66598E-05	0.000228736
6253	9.45639E-05	9.98684E-05	3.04833E-05	9.00368E-05	0.000219717	9.55746E-05	0.000100347	4.71756E-05	9.00368E-05	0.000225799
6254	9.90451E-05	0.000104659	3.12253E-05	9.49745E-05	0.000214109	0.000100496	0.00010553	4.94375E-05	9.49745E-05	0.0002198
6255	0.000105188	0.000111197	3.2592E-05	0.000101094	0.000208449	0.000106911	0.000112298	5.22766E-05	0.000101094	0.00021242
6256	0.000114383	0.000120961	3.49187E-05	0.000109111	0.000196308	0.000115982	0.000121913	5.58244E-05	0.000109111	0.00019942
6257	0.000122305	0.000129323	3.75312E-05	0.000117684	0.000187902	0.000124423	0.000130712	6.06317E-05	0.000117684	0.000190437
6258	0.000125434	0.000132475	4.03814E-05	0.000119306	0.000181763	0.00012673	0.000133069	6.24406E-05	0.000119306	0.000183898
6259	0.000128689	0.000135676	4.42833E-05	0.000117961	0.000165656	0.000127689	0.000134106	6.26E-05	0.000117961	0.000169305
6260	0.000123585	0.000130106	4.4812E-05	0.000111443	0.000150566	0.000121496	0.00012753	6.03025E-05	0.000111443	0.000155662
6261	0.000114227	0.000120192	4.21699E-05	0.000100851	0.000136028	0.000111258	0.0001168	5.50551E-05	0.000100851	0.000141426
6262	0.000103606	0.000109113	3.70759E-05	8.77948E-05	0.000125188	9.94977E-05	0.000104581	4.79402E-05	8.77948E-05	0.000131011
6263	8.99367E-05	9.47776E-05	3.14569E-05	7.68402E-05	0.000120985	8.67468E-05	9.11708E-05	4.18783E-05	7.68402E-05	0.000126529
6264	7.95944E-05	8.40335E-05	2.59678E-05	6.93055E-05	0.000118508	7.7606E-05	8.16096E-05	3.70001E-05	6.93055E-05	0.000123897
6265	7.04668E-05	7.45679E-05	2.09232E-05	6.26707E-05	0.000117453	6.95749E-05	7.32241E-05	3.25634E-05	6.26707E-05	0.00012277
6266	6.57604E-05	6.96656E-05	1.85844E-05	5.95032E-05	0.000121936	6.55039E-05	6.89391E-05	3.06637E-05	5.95032E-05	0.000127598
6267	6.52387E-05	6.91437E-05	1.8064E-05	5.98292E-05	0.000130733	6.5382E-05	6.87917E-05	3.08005E-05	5.98292E-05	0.000137038
6268	6.84794E-05	7.25804E-05	1.89378E-05	6.39204E-05	0.000143173	6.91145E-05	7.26666E-05	3.30885E-05	6.39204E-05	0.000150369
6269	7.55898E-05	8.00923E-05	2.11973E-05	7.07108E-05	0.00015895	7.63145E-05	8.02274E-05	3.66285E-05	7.07108E-05	0.000167259
6270	8.19271E-05	8.67542E-05	2.36145E-05	7.61571E-05	0.000168081	8.24118E-05	8.66335E-05	3.95944E-05	7.61571E-05	0.000177163
6271	8.4368E-05	8.92193E-05	2.57622E-05	7.81858E-05	0.00021777	8.45529E-05	8.884E-05	4.1073E-05	7.81858E-05	0.000222404
6272	8.02341E-05	8.46983E-05	2.63036E-05	7.75002E-05	0.000222976	8.15019E-05	8.54741E-05	4.12156E-05	7.75002E-05	0.00022806
6273	8.08305E-05	8.53017E-05	2.68158E-05	7.77748E-05	0.000225711	8.19314E-05	8.59168E-05	4.15109E-05	7.77748E-05	0.000230941
6274	8.56686E-05	9.04075E-05	2.84208E-05	8.19797E-05	0.000225901	8.66421E-05	9.0882E-05	4.36401E-05	8.19797E-05	0.000231118
6275	8.98366E-05	9.48089E-05	2.97694E-05	8.56037E-05	0.00022726	9.0706E-05	9.5168E-05	4.5451E-05	8.56037E-05	0.000232562
6276	9.10609E-05	9.61407E-05	2.96944E-05	8.66598E-05	0.000222456	9.19658E-05	9.65335E-05	4.56389E-05	8.66598E-05	0.000228736
6277	9.45639E-05	9.98684E-05	3.04833E-05	9.00368E-05	0.000219717	9.55746E-05	0.000100347	4.71756E-05	9.00368E-05	0.000225799
6278	9.90451E-05	0.000104659	3.12253E-05	9.49745E-05	0.000214109	0.000100496	0.00010553	4.94375E-05	9.49745E-05	0.0002198
6279	0.000105188	0.000111197	3.2592E-05	0.000101094	0.000208449	0.000106911	0.000112298	5.22766E-05	0.000101094	0.00021242
6280	0.000114383	0.000120961	3.49187E-05	0.000109111	0.000196308	0.000115982	0.000121913	5.58244E-05	0.000109111	0.00019942
6281	0.000122305	0.000129323	3.75312E-05	0.000117684	0.000187902	0.000124423	0.000130712	6.06317E-05	0.000117684	0.000190437
6282	0.000125434	0.000132475	4.03814E-05	0.000119306	0.000181763	0.00012673	0.000133069	6.24406E-05	0.000119306	0.000183898
6283	0.000128689	0.000135676	4.42833E-05	0.000117961	0.000165656	0.000127689	0.000134106	6.26E-05	0.000117961	0.000169305
6284	0.000123585	0.000130106	4.4812E-05	0.000111443	0.000150566	0.000121496	0.00012753	6.03025E-05	0.000111443	0.000155662
6285	0.000114227	0.000120192	4.21699E-05	0.000100851	0.000136028	0.000111258	0.0001168	5.50551E-05	0.000100851	0.000141426
6286	0.000103606	0.000109113	3.70759E-05	8.77948E-05	0.000125188	9.94977E-05	0.000104581	4.79402E-05	8.77948E-05	0.000131011
6287	8.99367E-05	9.47776E-05	3.14569E-05	7.68402E-05	0.000120985	8.67468E-05	9.11708E-05	4.18783E-05	7.68402E-05	0.000126529
6288	7.95944E-05	8.40335E-05	2.59678E-05	6.93055E-05	0.000118508	7.7606E-05	8.16096E-05	3.70001E-05	6.93055E-05	0.000123897
6289	6.92272E-05	7.32503E-05	2.0627E-05	6.14859E-05	0.000118238	6.83048E-05	7.18828E-05	3.20154E-05	6.14859E-05	0.000123624
6290	6.59479E-05	6.98643E-05	1.86362E-05	5.97085E-05	0.000121154	6.57062E-05	6.91506E-05	3.07722E-05	5.97085E-05	0.000126756
6291	6.53657E-05	6.92792E-05	1.80894E-05	5.99321E-05	0.00012999	6.5505E-05	6.8923E-05	3.08385E-05	5.99321E-05	0.000136238
6292	6.8452E-05	7.2552E-05	1.89223E-05	6.38612E-05	0.000142158	6.90736E-05	7.2626E-05	3.30439E-05	6.38612E-05	0.00014928
6293	7.53192E-05	7.98063E-05	2.11129E-05	7.03787E-05	0.000157468	7.60086E-05	7.99103E-05	3.64368E-05	7.03787E-05	0.00016567
6294	8.18767E-05	8.67026E-05	2.35783E-05	7.60192E-05	0.000166047	8.23252E-05	8.65492E-05	3.9484E-05	7.60192E-05	0.000174981
6295	8.31587E-05	8.79106E-05	2.57535E-05	7.82522E-05	0.000215424	8.38004E-05	8.80112E-05	4.10928E-05	7.82522E-05	0.000219891
6296	8.09011E-05	8.54065E-05	2.64732E-05	7.81757E-05	0.000220017	8.22002E-05	8.62084E-05	4.15478E-05	7.81757E-05	0.000224893
6297	8.155E-05	8.6066E-05	2.6994E-05	7.84855E-05	0.000222458	8.26776E-05	8.67029E-05	4.18515E-05	7.84855E-05	0.000227465
6298	8.56813E-05	9.04212E-05	2.84212E-05	8.1982E-05	0.00022272	8.66513E-05	9.08925E-05	4.3636E-05	8.1982E-05	0.000227721
6299	8.8923E-05	9.38387E-05	2.95394E-05	8.4687E-05	0.000223991	8.9753E-05	9.41651E-05	4.50045E-05	8.4687E-05	0.000229077

6300	8.95942E-05	9.45842E-05	2.93131E-05	8.51437E-05	0.000219098	9.04186E-05	9.49087E-05	4.48783E-05	8.51437E-05	0.000225155
6301	9.26134E-05	9.77976E-05	2.99862E-05	8.80578E-05	0.000216731	9.35314E-05	9.81981E-05	4.62006E-05	8.80578E-05	0.000222617
6302	9.65941E-05	0.000102054	3.06354E-05	9.26168E-05	0.000210774	9.79786E-05	0.000102873	4.83392E-05	9.26168E-05	0.000216244
6303	0.000102199	0.000108021	3.18753E-05	9.82291E-05	0.000205314	0.000103846	0.000109062	5.09468E-05	9.82291E-05	0.000209079
6304	0.00011034	0.000116662	3.39779E-05	0.000105341	0.000193105	0.000111877	0.000117571	5.41301E-05	0.000105341	0.000196006
6305	0.000117774	0.000124513	3.63615E-05	0.000113031	0.000184548	0.000119655	0.000125703	5.83125E-05	0.000113031	0.000186859
6306	0.000121534	0.000128337	3.93496E-05	0.000115208	0.000178303	0.00012259	0.000128726	6.03532E-05	0.000115208	0.000180199
6307	0.000125342	0.000132123	4.34356E-05	0.000114585	0.000162173	0.000124191	0.000130426	6.09463E-05	0.000114585	0.000165584
6308	0.00012084	0.000127188	4.41523E-05	0.000108806	0.000147223	0.000118679	0.000124555	5.90759E-05	0.000108806	0.000152091
6309	0.000113384	0.000119319	4.16899E-05	9.88298E-05	0.000133404	0.000109911	0.00011541	5.41348E-05	9.88298E-05	0.000138624
6310	0.000101974	0.000107378	3.66978E-05	8.62794E-05	0.000123251	9.78432E-05	0.00010283	4.72622E-05	8.62794E-05	0.000128948
6311	8.85511E-05	9.33068E-05	3.11012E-05	7.54247E-05	0.000119242	8.52916E-05	8.96413E-05	4.11762E-05	7.54247E-05	0.000124672
6312	7.85939E-05	8.29716E-05	2.57101E-05	6.82803E-05	0.000117259	7.65541E-05	8.05043E-05	3.64901E-05	6.82803E-05	0.000122568
6313	6.92272E-05	7.32503E-05	2.0627E-05	6.14859E-05	0.000118238	6.83048E-05	7.18828E-05	3.20154E-05	6.14859E-05	0.000123624
6314	6.59479E-05	6.98643E-05	1.86362E-05	5.97085E-05	0.000121154	6.57062E-05	6.91506E-05	3.07722E-05	5.97085E-05	0.000126756
6315	6.53657E-05	6.92792E-05	1.80894E-05	5.99321E-05	0.00012999	6.5505E-05	6.8923E-05	3.08385E-05	5.99321E-05	0.000136238
6316	6.8452E-05	7.2552E-05	1.89223E-05	6.38612E-05	0.000142158	6.90736E-05	7.2626E-05	3.30439E-05	6.38612E-05	0.00014928
6317	7.53192E-05	7.98063E-05	2.11129E-05	7.03787E-05	0.000157468	7.60086E-05	7.99103E-05	3.64368E-05	7.03787E-05	0.00016567
6318	8.18767E-05	8.67026E-05	2.35783E-05	7.60192E-05	0.000166047	8.23252E-05	8.65492E-05	3.9484E-05	7.60192E-05	0.000174981
6319	8.31587E-05	8.79106E-05	2.57535E-05	7.82522E-05	0.000215424	8.38004E-05	8.80112E-05	4.10928E-05	7.82522E-05	0.000219891
6320	8.09011E-05	8.54065E-05	2.64732E-05	7.81757E-05	0.000220017	8.22002E-05	8.62084E-05	4.15478E-05	7.81757E-05	0.000224893
6321	8.155E-05	8.6066E-05	2.6994E-05	7.84855E-05	0.000222458	8.26776E-05	8.67029E-05	4.18515E-05	7.84855E-05	0.000227465
6322	8.56813E-05	9.04212E-05	2.84212E-05	8.1982E-05	0.00022272	8.66513E-05	9.08925E-05	4.3636E-05	8.1982E-05	0.000227721
6323	8.8923E-05	9.38387E-05	2.95394E-05	8.4687E-05	0.000223991	8.9753E-05	9.41651E-05	4.50045E-05	8.4687E-05	0.000229077
6324	8.95942E-05	9.45842E-05	2.93131E-05	8.51437E-05	0.000219098	9.04186E-05	9.49087E-05	4.48783E-05	8.51437E-05	0.000225155
6325	9.26134E-05	9.77976E-05	2.99862E-05	8.80578E-05	0.000216731	9.35314E-05	9.81981E-05	4.62006E-05	8.80578E-05	0.000222617
6326	9.65941E-05	0.000102054	3.06354E-05	9.26168E-05	0.000210774	9.79786E-05	0.000102873	4.83392E-05	9.26168E-05	0.000216244
6327	0.000102199	0.000108021	3.18753E-05	9.82291E-05	0.000205314	0.000103846	0.000109062	5.09468E-05	9.82291E-05	0.000209079
6328	0.00011034	0.000116662	3.39779E-05	0.000105341	0.000193105	0.000111877	0.000117571	5.41301E-05	0.000105341	0.000196006
6329	0.000117774	0.000124513	3.63615E-05	0.000113031	0.000184548	0.000119655	0.000125703	5.83125E-05	0.000113031	0.000186859
6330	0.000121534	0.000128337	3.93496E-05	0.000115208	0.000178303	0.00012259	0.000128726	6.03532E-05	0.000115208	0.000180199
6331	0.000125342	0.000132123	4.34356E-05	0.000114585	0.000162173	0.000124191	0.000130426	6.09463E-05	0.000114585	0.000165584
6332	0.00012084	0.000127188	4.41523E-05	0.000108806	0.000147223	0.000118679	0.000124555	5.90759E-05	0.000108806	0.000152091
6333	0.000113384	0.000119319	4.16899E-05	9.88298E-05	0.000133404	0.000109911	0.00011541	5.41348E-05	9.88298E-05	0.000138624
6334	0.000101974	0.000107378	3.66978E-05	8.62794E-05	0.000123251	9.78432E-05	0.00010283	4.72622E-05	8.62794E-05	0.000128948
6335	8.85511E-05	9.33068E-05	3.11012E-05	7.54247E-05	0.000119242	8.52916E-05	8.96413E-05	4.11762E-05	7.54247E-05	0.000124672
6336	7.85939E-05	8.29716E-05	2.57101E-05	6.82803E-05	0.000117259	7.65541E-05	8.05043E-05	3.64901E-05	6.82803E-05	0.000122568
6337	6.92272E-05	7.32503E-05	2.0627E-05	6.14859E-05	0.000118238	6.83048E-05	7.18828E-05	3.20154E-05	6.14859E-05	0.000123624
6338	6.59479E-05	6.98643E-05	1.86362E-05	5.97085E-05	0.000121154	6.57062E-05	6.91506E-05	3.07722E-05	5.97085E-05	0.000126756
6339	6.53657E-05	6.92792E-05	1.80894E-05	5.99321E-05	0.00012999	6.5505E-05	6.8923E-05	3.08385E-05	5.99321E-05	0.000136238
6340	6.8452E-05	7.2552E-05	1.89223E-05	6.38612E-05	0.000142158	6.90736E-05	7.2626E-05	3.30439E-05	6.38612E-05	0.00014928
6341	7.53192E-05	7.98063E-05	2.11129E-05	7.03787E-05	0.000157468	7.60086E-05	7.99103E-05	3.64368E-05	7.03787E-05	0.00016567
6342	8.18767E-05	8.67026E-05	2.35783E-05	7.60192E-05	0.000166047	8.23252E-05	8.65492E-05	3.9484E-05	7.60192E-05	0.000174981
6343	8.31587E-05	8.79106E-05	2.57535E-05	7.82522E-05	0.000215424	8.38004E-05	8.80112E-05	4.10928E-05	7.82522E-05	0.000219891
6344	8.09011E-05	8.54065E-05	2.64732E-05	7.81757E-05	0.000220017	8.22002E-05	8.62084E-05	4.15478E-05	7.81757E-05	0.000224893
6345	8.155E-05	8.6066E-05	2.6994E-05	7.84855E-05	0.000222458	8.26776E-05	8.67029E-05	4.18515E-05	7.84855E-05	0.000227465
6346	8.56813E-05	9.04212E-05	2.84212E-05	8.1982E-05	0.00022272	8.66513E-05	9.08925E-05	4.3636E-05	8.1982E-05	0.000227721
6347	8.8923E-05	9.38387E-05	2.95394E-05	8.4687E-05	0.000223991	8.9753E-05	9.41651E-05	4.50045E-05	8.4687E-05	0.000229077
6348	8.95942E-05	9.45842E-05	2.93131E-05	8.51437E-05	0.000219098	9.04186E-05	9.49087E-05	4.48783E-05	8.51437E-05	0.000225155
6349	9.26134E-05	9.77976E-05	2.99862E-05	8.80578E-05	0.000216731	9.35314E-05	9.81981E-05	4.62006E-05	8.80578E-05	0.000222617
6350	9.65941E-05	0.000102054	3.06354E-05	9.26168E-05	0.000210774	9.79786E-05	0.000102873	4.83392E-05	9.26168E-05	0.000216244
6351	0.000102199	0.000108021	3.18753E-05	9.82291E-05	0.000205314	0.000103846	0.000109062	5.09468E-05	9.82291E-05	0.000209079
6352	0.00011034	0.000116662	3.39779E-05	0.000105341	0.000193105	0.000111877	0.000117571	5.41301E-05	0.000105341	0.000196006
6353	0.000117774	0.000124513	3.63615E-05	0.000113031	0.000184548	0.000119655	0.000125703	5.83125E-05	0.000113031	0.000186859
6354	0.000121534	0.000128337	3.93496E-05	0.000115208	0.000178303	0.00012259	0.000128726	6.03532E-05	0.000115208	0.000180199
6355	0.000125342	0.000132123	4.34356E-05	0.000114585	0.000162173	0.000124191	0.000130426	6.09463E-05	0.000114585	0.000165584
6356	0.00012084	0.000127188	4.41523E-05	0.000108806	0.000147223	0.000118679	0.000124555	5.90759E-05	0.000108806	0.000152091
6357	0.000113384	0.000119319	4.16899E-05	9.88298E-05	0.000133404	0.000109911	0.00011541	5.41348E-05	9.88298E-05	0.000138624
6358	0.000101974	0.000107378	3.66978E-05	8.62794E-05	0.000123251	9.78432E-05	0.00010283	4.72622E-05	8.62794E-05	0.000128948
6359	8.85511E-05	9.33068E-05	3.11012E-05	7.54247E-05	0.000119242	8.52916E-05	8.96413E-05	4.11762E-05	7.54247E-05	0.000124672
6360	7.85939E-05	8.29716E-05	2.57101E-05	6.82803E-05	0.000117259	7.65541E-05	8.05043E-05	3.64901E-05	6.82803E-05	0.000122568
6361	6.92272E-05	7.32503E-05	2.0627E-05	6.14859E-05	0.000118238	6.83048E-05	7.18828E-05	3.20154E-05	6.14859E-05	0.000123624
6362	6.59479E-05	6.98643E-05	1.86362E-05	5.97085E-05	0.000121154	6.57062E-05	6.91506E-05	3.07722E-05	5.97085E-05	0.000126756
6363	6.53657E-05	6.92792E-05	1.80894E-05	5.99321E-05	0.00012999	6.5505E-05	6.8923E-05	3.08385E-05	5.99321E-05	0.000136238
6364	6.8452E-05	7.2552E-05	1.89223E-05	6.38612E-05	0.000142158	6.90736E-05	7.2626E-05	3.30439E-05	6.38612E-05	0.00014928
6365	7.53192E-05	7.98063E-05	2.11129E-05	7.03787E-05	0.000157468	7.60086E-05	7.99103E-05	3.64368E-05	7.03787E-05	0.00016567
6366	8.18767E-05	8.67026E-05	2.35783E-05	7.60192E-05	0.000166047	8.23252E-05	8.65492E-05	3.9484E-05	7.60192E-05	0.000174981
6367	8.31587E-05	8.79106E-05	2.57535E-05	7.82522E-05	0.000215424	8.38004E-05	8.80112E-05	4.10928E-05	7.82522E-05	0.000219891
6368	8.09011E-05	8.54065E-05	2.64732E-05	7.81757E-05	0.000220017	8.22002E-05	8.62084E-05	4.15478E-05	7.81757E-05	0.000224893
6369	8.155E-05	8.6066E-05	2.6994E-05	7.84855E-05	0.000222458	8.26776E-05	8.67029E-05	4.18515E-05	7.84855E-05	0.000227465
6370	8.56813E-05	9.04212E-05	2.84212E-05	8.1982E-05	0.00022272	8.66513E-05	9.08925E-05	4.3636E-05	8.1982E-05	0.000227721
6371	8.8923E-05	9.38387E-05	2.95394E-05	8.4687E-05	0.000223991	8.9753E-05	9.41651E-05	4.50045E-05	8.4687E-05	0.000229077
6372	8.95942E-05	9.45842E-05	2.93131E-05	8.51437E-05	0.000219098	9.04186E-05	9.49087E-05	4.48783E-05	8.51437E-05	0.000225155
6373	9.26134E-05	9.77976E-05	2.99862E-05	8.80578E-05	0.000216731	9.35314E-05	9.81981E-05	4.62006E-05	8.80578E-05	0.000222617
6374	9.65941E-05	0.000102054	3.06354E-05	9.26168E-05	0.000210774	9.79786E-05	0.000102873	4.83392E-05	9.26168E-05	0.000216244
6375	0.000102199	0.000108021	3.18753E-05	9.82291E-05	0.000205314	0.000103846	0.000109062	5.09468E-05	9.82291E-05	0.000209079

6376	0.00011034	0.000116662	3.39779E-05	0.000105341	0.000193105	0.000111877	0.000117571	5.41301E-05	0.000105341	0.000196006
6377	0.000117774	0.000124513	3.63615E-05	0.000113031	0.000184548	0.000119655	0.000125703	5.83125E-05	0.000113031	0.000186859
6378	0.000121534	0.000128337	3.93496E-05	0.000115208	0.000178303	0.00012259	0.000128726	6.03532E-05	0.000115208	0.000180199
6379	0.000125342	0.000132123	4.34356E-05	0.000114585	0.000162173	0.000124191	0.000130426	6.09463E-05	0.000114585	0.000165584
6380	0.00012084	0.000127188	4.41523E-05	0.000108806	0.000147223	0.000118679	0.000124555	5.90759E-05	0.000108806	0.000152091
6381	0.000113384	0.000119319	4.16899E-05	9.88298E-05	0.000133404	0.000109911	0.00011541	5.41348E-05	9.88298E-05	0.000138624
6382	0.000101974	0.000107378	3.66978E-05	8.62794E-05	0.000123251	9.78432E-05	0.00010283	4.72622E-05	8.62794E-05	0.000128948
6383	8.85511E-05	9.33068E-05	3.11012E-05	7.54247E-05	0.000119242	8.52916E-05	8.96413E-05	4.11762E-05	7.54247E-05	0.000124672
6384	7.85939E-05	8.29716E-05	2.57101E-05	6.82803E-05	0.000117259	7.65541E-05	8.05043E-05	3.64901E-05	6.82803E-05	0.000122568
6385	6.92272E-05	7.32503E-05	2.0627E-05	6.14859E-05	0.000118238	6.83048E-05	7.18828E-05	3.20154E-05	6.14859E-05	0.000123624
6386	6.59479E-05	6.98643E-05	1.86362E-05	5.97085E-05	0.000121154	6.57062E-05	6.91506E-05	3.07722E-05	5.97085E-05	0.000126756
6387	6.53657E-05	6.92792E-05	1.80894E-05	5.99321E-05	0.00012999	6.5505E-05	6.8923E-05	3.08385E-05	5.99321E-05	0.000136238
6388	6.8452E-05	7.2552E-05	1.89223E-05	6.38612E-05	0.000142158	6.90736E-05	7.2626E-05	3.30439E-05	6.38612E-05	0.00014928
6389	7.53192E-05	7.98063E-05	2.11129E-05	7.03787E-05	0.000157468	7.60086E-05	7.99103E-05	3.64368E-05	7.03787E-05	0.00016567
6390	8.18767E-05	8.67026E-05	2.35783E-05	7.60192E-05	0.000166047	8.23252E-05	8.65492E-05	3.9484E-05	7.60192E-05	0.000174981
6391	8.31587E-05	8.79106E-05	2.57535E-05	7.82522E-05	0.000215424	8.38004E-05	8.80112E-05	4.10928E-05	7.82522E-05	0.000219891
6392	8.09011E-05	8.54065E-05	2.64732E-05	7.81757E-05	0.000220017	8.22002E-05	8.62084E-05	4.15478E-05	7.81757E-05	0.000224893
6393	8.155E-05	8.6066E-05	2.6994E-05	7.84855E-05	0.000222458	8.26776E-05	8.67029E-05	4.18515E-05	7.84855E-05	0.000227465
6394	8.56813E-05	9.04212E-05	2.84212E-05	8.1982E-05	0.00022272	8.66513E-05	9.08925E-05	4.3636E-05	8.1982E-05	0.000227721
6395	8.8923E-05	9.38387E-05	2.95394E-05	8.4687E-05	0.000223991	8.9753E-05	9.41651E-05	4.50045E-05	8.4687E-05	0.000229077
6396	8.95942E-05	9.45842E-05	2.93131E-05	8.51437E-05	0.000219098	9.04186E-05	9.49087E-05	4.48783E-05	8.51437E-05	0.000225155
6397	9.26134E-05	9.77976E-05	2.99862E-05	8.80578E-05	0.000216731	9.35314E-05	9.81981E-05	4.62006E-05	8.80578E-05	0.000222617
6398	9.65941E-05	0.000102054	3.06354E-05	9.26168E-05	0.000210774	9.79786E-05	0.000102873	4.83392E-05	9.26168E-05	0.000216244
6399	0.000102199	0.000108021	3.18753E-05	9.82291E-05	0.000205314	0.000103846	0.000109062	5.09468E-05	9.82291E-05	0.000209079
6400	0.00011034	0.000116662	3.39779E-05	0.000105341	0.000193105	0.000111877	0.000117571	5.41301E-05	0.000105341	0.000196006
6401	0.000117774	0.000124513	3.63615E-05	0.000113031	0.000184548	0.000119655	0.000125703	5.83125E-05	0.000113031	0.000186859
6402	0.000121534	0.000128337	3.93496E-05	0.000115208	0.000178303	0.00012259	0.000128726	6.03532E-05	0.000115208	0.000180199
6403	0.000125342	0.000132123	4.34356E-05	0.000114585	0.000162173	0.000124191	0.000130426	6.09463E-05	0.000114585	0.000165584
6404	0.00012084	0.000127188	4.41523E-05	0.000108806	0.000147223	0.000118679	0.000124555	5.90759E-05	0.000108806	0.000152091
6405	0.000113384	0.000119319	4.16899E-05	9.88298E-05	0.000133404	0.000109911	0.00011541	5.41348E-05	9.88298E-05	0.000138624
6406	0.000101974	0.000107378	3.66978E-05	8.62794E-05	0.000123251	9.78432E-05	0.00010283	4.72622E-05	8.62794E-05	0.000128948
6407	8.85511E-05	9.33068E-05	3.11012E-05	7.54247E-05	0.000119242	8.52916E-05	8.96413E-05	4.11762E-05	7.54247E-05	0.000124672
6408	7.85939E-05	8.29716E-05	2.57101E-05	6.82803E-05	0.000117259	7.65541E-05	8.05043E-05	3.64901E-05	6.82803E-05	0.000122568
6409	7.04668E-05	7.45679E-05	2.09232E-05	6.26707E-05	0.000117453	6.95749E-05	7.32241E-05	3.25634E-05	6.26707E-05	0.00012277
6410	6.57604E-05	6.96656E-05	1.85844E-05	5.95032E-05	0.000121936	6.55039E-05	6.89391E-05	3.06637E-05	5.95032E-05	0.000127598
6411	6.52387E-05	6.91437E-05	1.8064E-05	5.98292E-05	0.000130733	6.5382E-05	6.87917E-05	3.08005E-05	5.98292E-05	0.000137038
6412	6.84794E-05	7.25804E-05	1.89378E-05	6.39204E-05	0.000143173	6.91145E-05	7.26666E-05	3.30885E-05	6.39204E-05	0.000150369
6413	7.55898E-05	8.00923E-05	2.11973E-05	7.07108E-05	0.00015895	7.63145E-05	8.02274E-05	3.66285E-05	7.07108E-05	0.000167259
6414	8.19271E-05	8.67542E-05	2.36145E-05	7.61571E-05	0.000168081	8.24118E-05	8.66335E-05	3.95944E-05	7.61571E-05	0.000177163
6415	8.4368E-05	8.92193E-05	2.57622E-05	7.81858E-05	0.00021777	8.45529E-05	8.884E-05	4.1073E-05	7.81858E-05	0.000222404
6416	8.02341E-05	8.46983E-05	2.63036E-05	7.75002E-05	0.000222976	8.15019E-05	8.54741E-05	4.12156E-05	7.75002E-05	0.00022806
6417	8.08305E-05	8.53017E-05	2.68158E-05	7.77748E-05	0.000225711	8.19314E-05	8.59168E-05	4.15109E-05	7.77748E-05	0.000230941
6418	8.56686E-05	9.04075E-05	2.84208E-05	8.19797E-05	0.000225901	8.66421E-05	9.0882E-05	4.36401E-05	8.19797E-05	0.000231118
6419	8.98366E-05	9.48089E-05	2.97694E-05	8.56037E-05	0.00022726	9.0706E-05	9.5168E-05	4.5451E-05	8.56037E-05	0.000232562
6420	9.10609E-05	9.61407E-05	2.96944E-05	8.66598E-05	0.000222456	9.19658E-05	9.65335E-05	4.56389E-05	8.66598E-05	0.000228736
6421	9.45639E-05	9.98684E-05	3.04833E-05	9.00368E-05	0.000219717	9.55746E-05	0.000100347	4.71756E-05	9.00368E-05	0.000225799
6422	9.90451E-05	0.000104659	3.12253E-05	9.49745E-05	0.000214109	0.000100496	0.00010553	4.94375E-05	9.49745E-05	0.0002198
6423	0.000105188	0.000111197	3.2592E-05	0.000101094	0.000208449	0.000106911	0.000112298	5.22766E-05	0.000101094	0.00021242
6424	0.000114383	0.000120961	3.49187E-05	0.000109111	0.000196308	0.000115982	0.000121913	5.58244E-05	0.000109111	0.00019942
6425	0.000122305	0.000129323	3.75312E-05	0.000117684	0.000187902	0.000124423	0.000130712	6.06317E-05	0.000117684	0.000190437
6426	0.000125434	0.000132475	4.03814E-05	0.000119306	0.000181763	0.00012673	0.000133069	6.24406E-05	0.000119306	0.000183898
6427	0.000128689	0.000135676	4.42833E-05	0.000117961	0.000165656	0.000127689	0.000134106	6.26E-05	0.000117961	0.000169305
6428	0.000123585	0.000130106	4.4812E-05	0.000111443	0.000150566	0.000121496	0.00012753	6.03025E-05	0.000111443	0.000155662
6429	0.000114227	0.000120192	4.21699E-05	0.000100851	0.000136028	0.000111258	0.0001168	5.50551E-05	0.000100851	0.000141426
6430	0.000103606	0.000109113	3.70759E-05	8.77948E-05	0.000125188	9.94977E-05	0.000104581	4.79402E-05	8.77948E-05	0.000131011
6431	8.99367E-05	9.47776E-05	3.14569E-05	7.68402E-05	0.000120985	8.67468E-05	9.11708E-05	4.18783E-05	7.68402E-05	0.000126529
6432	7.95944E-05	8.40335E-05	2.59678E-05	6.93055E-05	0.000118508	7.7606E-05	8.16096E-05	3.70001E-05	6.93055E-05	0.000123897
6433	7.04668E-05	7.45679E-05	2.09232E-05	6.26707E-05	0.000117453	6.95749E-05	7.32241E-05	3.25634E-05	6.26707E-05	0.00012277
6434	6.57604E-05	6.96656E-05	1.85844E-05	5.95032E-05	0.000121936	6.55039E-05	6.89391E-05	3.06637E-05	5.95032E-05	0.000127598
6435	6.52387E-05	6.91437E-05	1.8064E-05	5.98292E-05	0.000130733	6.5382E-05	6.87917E-05	3.08005E-05	5.98292E-05	0.000137038
6436	6.84794E-05	7.25804E-05	1.89378E-05	6.39204E-05	0.000143173	6.91145E-05	7.26666E-05	3.30885E-05	6.39204E-05	0.000150369
6437	7.55898E-05	8.00923E-05	2.11973E-05	7.07108E-05	0.00015895	7.63145E-05	8.02274E-05	3.66285E-05	7.07108E-05	0.000167259
6438	8.19271E-05	8.67542E-05	2.36145E-05	7.61571E-05	0.000168081	8.24118E-05	8.66335E-05	3.95944E-05	7.61571E-05	0.000177163
6439	8.4368E-05	8.92193E-05	2.57622E-05	7.81858E-05	0.00021777	8.45529E-05	8.884E-05	4.1073E-05	7.81858E-05	0.000222404
6440	8.02341E-05	8.46983E-05	2.63036E-05	7.75002E-05	0.000222976	8.15019E-05	8.54741E-05	4.12156E-05	7.75002E-05	0.00022806
6441	8.08305E-05	8.53017E-05	2.68158E-05	7.77748E-05	0.000225711	8.19314E-05	8.59168E-05	4.15109E-05	7.77748E-05	0.000230941
6442	8.56686E-05	9.04075E-05	2.84208E-05	8.19797E-05	0.000225901	8.66421E-05	9.0882E-05	4.36401E-05	8.19797E-05	0.000231118
6443	8.98366E-05	9.48089E-05	2.97694E-05	8.56037E-05	0.00022726	9.0706E-05	9.5168E-05	4.5451E-05	8.56037E-05	0.000232562
6444	9.10609E-05	9.61407E-05	2.96944E-05	8.66598E-05	0.000222456	9.19658E-05	9.65335E-05	4.56389E-05	8.66598E-05	0.000228736
6445	9.45639E-05	9.98684E-05	3.04833E-05	9.00368E-05	0.000219717	9.55746E-05	0.000100347	4.71756E-05	9.00368E-05	0.000225799
6446	9.90451E-05	0.000104659	3.12253E-05	9.49745E-05	0.000214109	0.000100496	0.00010553	4.94375E-05	9.49745E-05	0.0002198
6447	0.000105188	0.000111197	3.2592E-05	0.000101094	0.000208449	0.000106911	0.000112298	5.22766E-05	0.000101094	0.00021242
6448	0.000114383	0.000120961	3.49187E-05	0.000109111	0.000196308	0.000115982	0.000121913	5.58244E-05	0.000109111	0.00019942
6449	0.000122305	0.000129323	3.75312E-05	0.000117684	0.000187902	0.000124423	0.000130712	6.06317E-05	0.000117684	0.000190437
6450	0.000125434	0.000132475	4.03814E-05	0.000119306	0.000181763	0.00012673	0.000133069	6.24406E-05	0.000119306	0.000183898
6451	0.000128689	0.000135676	4.42833E-05	0.000117961	0.000165656	0.000127689	0.000134106	6.26E-05	0.000117961	0.000169305

6452	0.000123585	0.000130106	4.4812E-05	0.000111443	0.000150566	0.000121496	0.00012753	6.03025E-05	0.000111443	0.000155662
6453	0.000114227	0.000120192	4.21699E-05	0.000100851	0.000136028	0.000111258	0.0001168	5.50551E-05	0.000100851	0.000141426
6454	0.000103606	0.000109113	3.70759E-05	8.77948E-05	0.000125188	9.94977E-05	0.000104581	4.79402E-05	8.77948E-05	0.000131011
6455	8.99367E-05	9.47776E-05	3.14569E-05	7.68402E-05	0.000120985	8.67468E-05	9.11708E-05	4.18783E-05	7.68402E-05	0.000126529
6456	7.95944E-05	8.40335E-05	2.59678E-05	6.93055E-05	0.000118508	7.7606E-05	8.16096E-05	3.70001E-05	6.93055E-05	0.000123897
6457	6.92272E-05	7.32503E-05	2.0627E-05	6.14859E-05	0.000118238	6.83048E-05	7.18828E-05	3.20154E-05	6.14859E-05	0.000123624
6458	6.59479E-05	6.98643E-05	1.86362E-05	5.97085E-05	0.000121154	6.57062E-05	6.91506E-05	3.07722E-05	5.97085E-05	0.000126756
6459	6.53657E-05	6.92792E-05	1.80894E-05	5.99321E-05	0.00012999	6.5505E-05	6.8923E-05	3.08385E-05	5.99321E-05	0.000136238
6460	6.8452E-05	7.2552E-05	1.89223E-05	6.38612E-05	0.000142158	6.90736E-05	7.2626E-05	3.30439E-05	6.38612E-05	0.00014928
6461	7.53192E-05	7.98063E-05	2.11129E-05	7.03787E-05	0.000157468	7.60086E-05	7.99103E-05	3.64368E-05	7.03787E-05	0.00016567
6462	8.18767E-05	8.67026E-05	2.35783E-05	7.60192E-05	0.000166047	8.23252E-05	8.65492E-05	3.9484E-05	7.60192E-05	0.000174981
6463	8.31587E-05	8.79106E-05	2.57535E-05	7.82522E-05	0.000215424	8.38004E-05	8.80112E-05	4.10928E-05	7.82522E-05	0.000219891
6464	8.09011E-05	8.54065E-05	2.64732E-05	7.81757E-05	0.000220017	8.22002E-05	8.62084E-05	4.15478E-05	7.81757E-05	0.000224893
6465	8.155E-05	8.6066E-05	2.6994E-05	7.84855E-05	0.000222458	8.26776E-05	8.67029E-05	4.18515E-05	7.84855E-05	0.000227465
6466	8.56813E-05	9.04212E-05	2.84212E-05	8.1982E-05	0.00022272	8.66513E-05	9.08925E-05	4.3636E-05	8.1982E-05	0.000227721
6467	8.8923E-05	9.38387E-05	2.95394E-05	8.4687E-05	0.000223991	8.9753E-05	9.41651E-05	4.50045E-05	8.4687E-05	0.000229077
6468	8.95942E-05	9.45842E-05	2.93131E-05	8.51437E-05	0.000219098	9.04186E-05	9.49087E-05	4.48783E-05	8.51437E-05	0.000225155
6469	9.26134E-05	9.77976E-05	2.99862E-05	8.80578E-05	0.000216731	9.35314E-05	9.81981E-05	4.62006E-05	8.80578E-05	0.000222617
6470	9.65941E-05	0.000102054	3.06354E-05	9.26168E-05	0.000210774	9.79786E-05	0.000102873	4.83392E-05	9.26168E-05	0.000216244
6471	0.000102199	0.000108021	3.18753E-05	9.82291E-05	0.000205314	0.000103846	0.000109062	5.09468E-05	9.82291E-05	0.000209079
6472	0.00011034	0.000116662	3.39779E-05	0.000105341	0.000193105	0.000111877	0.000117571	5.41301E-05	0.000105341	0.000196006
6473	0.000117774	0.000124513	3.63615E-05	0.000113031	0.000184548	0.000119655	0.000125703	5.83125E-05	0.000113031	0.000186859
6474	0.000121534	0.000128337	3.93496E-05	0.000115208	0.000178303	0.00012259	0.000128726	6.03532E-05	0.000115208	0.000180199
6475	0.000125342	0.000132123	4.34356E-05	0.000114585	0.000162173	0.000124191	0.000130426	6.09463E-05	0.000114585	0.000165584
6476	0.00012084	0.000127188	4.41523E-05	0.000108806	0.000147223	0.000118679	0.000124555	5.90759E-05	0.000108806	0.000152091
6477	0.000113384	0.000119319	4.16899E-05	9.88298E-05	0.000133404	0.000109911	0.00011541	5.41348E-05	9.88298E-05	0.000138624
6478	0.000101974	0.000107378	3.66978E-05	8.62794E-05	0.000123251	9.78432E-05	0.00010283	4.72622E-05	8.62794E-05	0.000128948
6479	8.85511E-05	9.33068E-05	3.11012E-05	7.54247E-05	0.000119242	8.52916E-05	8.96413E-05	4.11762E-05	7.54247E-05	0.000124672
6480	7.85939E-05	8.29716E-05	2.57101E-05	6.82803E-05	0.000117259	7.65541E-05	8.05043E-05	3.64901E-05	6.82803E-05	0.000122568
6481	6.92272E-05	7.32503E-05	2.0627E-05	6.14859E-05	0.000118238	6.83048E-05	7.18828E-05	3.20154E-05	6.14859E-05	0.000123624
6482	6.59479E-05	6.98643E-05	1.86362E-05	5.97085E-05	0.000121154	6.57062E-05	6.91506E-05	3.07722E-05	5.97085E-05	0.000126756
6483	6.53657E-05	6.92792E-05	1.80894E-05	5.99321E-05	0.00012999	6.5505E-05	6.8923E-05	3.08385E-05	5.99321E-05	0.000136238
6484	6.8452E-05	7.2552E-05	1.89223E-05	6.38612E-05	0.000142158	6.90736E-05	7.2626E-05	3.30439E-05	6.38612E-05	0.00014928
6485	7.53192E-05	7.98063E-05	2.11129E-05	7.03787E-05	0.000157468	7.60086E-05	7.99103E-05	3.64368E-05	7.03787E-05	0.00016567
6486	8.18767E-05	8.67026E-05	2.35783E-05	7.60192E-05	0.000166047	8.23252E-05	8.65492E-05	3.9484E-05	7.60192E-05	0.000174981
6487	8.31587E-05	8.79106E-05	2.57535E-05	7.82522E-05	0.000215424	8.38004E-05	8.80112E-05	4.10928E-05	7.82522E-05	0.000219891
6488	8.09011E-05	8.54065E-05	2.64732E-05	7.81757E-05	0.000220017	8.22002E-05	8.62084E-05	4.15478E-05	7.81757E-05	0.000224893
6489	8.155E-05	8.6066E-05	2.6994E-05	7.84855E-05	0.000222458	8.26776E-05	8.67029E-05	4.18515E-05	7.84855E-05	0.000227465
6490	8.56813E-05	9.04212E-05	2.84212E-05	8.1982E-05	0.00022272	8.66513E-05	9.08925E-05	4.3636E-05	8.1982E-05	0.000227721
6491	8.8923E-05	9.38387E-05	2.95394E-05	8.4687E-05	0.000223991	8.9753E-05	9.41651E-05	4.50045E-05	8.4687E-05	0.000229077
6492	8.95942E-05	9.45842E-05	2.93131E-05	8.51437E-05	0.000219098	9.04186E-05	9.49087E-05	4.48783E-05	8.51437E-05	0.000225155
6493	9.26134E-05	9.77976E-05	2.99862E-05	8.80578E-05	0.000216731	9.35314E-05	9.81981E-05	4.62006E-05	8.80578E-05	0.000222617
6494	9.65941E-05	0.000102054	3.06354E-05	9.26168E-05	0.000210774	9.79786E-05	0.000102873	4.83392E-05	9.26168E-05	0.000216244
6495	0.000102199	0.000108021	3.18753E-05	9.82291E-05	0.000205314	0.000103846	0.000109062	5.09468E-05	9.82291E-05	0.000209079
6496	0.00011034	0.000116662	3.39779E-05	0.000105341	0.000193105	0.000111877	0.000117571	5.41301E-05	0.000105341	0.000196006
6497	0.000117774	0.000124513	3.63615E-05	0.000113031	0.000184548	0.000119655	0.000125703	5.83125E-05	0.000113031	0.000186859
6498	0.000121534	0.000128337	3.93496E-05	0.000115208	0.000178303	0.00012259	0.000128726	6.03532E-05	0.000115208	0.000180199
6499	0.000125342	0.000132123	4.34356E-05	0.000114585	0.000162173	0.000124191	0.000130426	6.09463E-05	0.000114585	0.000165584
6500	0.00012084	0.000127188	4.41523E-05	0.000108806	0.000147223	0.000118679	0.000124555	5.90759E-05	0.000108806	0.000152091
6501	0.000113384	0.000119319	4.16899E-05	9.88298E-05	0.000133404	0.000109911	0.00011541	5.41348E-05	9.88298E-05	0.000138624
6502	0.000101974	0.000107378	3.66978E-05	8.62794E-05	0.000123251	9.78432E-05	0.00010283	4.72622E-05	8.62794E-05	0.000128948
6503	8.85511E-05	9.33068E-05	3.11012E-05	7.54247E-05	0.000119242	8.52916E-05	8.96413E-05	4.11762E-05	7.54247E-05	0.000124672
6504	7.85939E-05	8.29716E-05	2.57101E-05	6.82803E-05	0.000117259	7.65541E-05	8.05043E-05	3.64901E-05	6.82803E-05	0.000122568
6505	6.92272E-05	7.32503E-05	2.0627E-05	6.14859E-05	0.000118238	6.83048E-05	7.18828E-05	3.20154E-05	6.14859E-05	0.000123624
6506	6.59479E-05	6.98643E-05	1.86362E-05	5.97085E-05	0.000121154	6.57062E-05	6.91506E-05	3.07722E-05	5.97085E-05	0.000126756
6507	6.53657E-05	6.92792E-05	1.80894E-05	5.99321E-05	0.00012999	6.5505E-05	6.8923E-05	3.08385E-05	5.99321E-05	0.000136238
6508	6.8452E-05	7.2552E-05	1.89223E-05	6.38612E-05	0.000142158	6.90736E-05	7.2626E-05	3.30439E-05	6.38612E-05	0.00014928
6509	7.53192E-05	7.98063E-05	2.11129E-05	7.03787E-05	0.000157468	7.60086E-05	7.99103E-05	3.64368E-05	7.03787E-05	0.00016567
6510	8.18767E-05	8.67026E-05	2.35783E-05	7.60192E-05	0.000166047	8.23252E-05	8.65492E-05	3.9484E-05	7.60192E-05	0.000174981
6511	8.31587E-05	8.79106E-05	2.57535E-05	7.82522E-05	0.000215424	8.38004E-05	8.80112E-05	4.10928E-05	7.82522E-05	0.000219891
6512	8.09011E-05	8.54065E-05	2.64732E-05	7.81757E-05	0.000220017	8.22002E-05	8.62084E-05	4.15478E-05	7.81757E-05	0.000224893
6513	8.155E-05	8.6066E-05	2.6994E-05	7.84855E-05	0.000222458	8.26776E-05	8.67029E-05	4.18515E-05	7.84855E-05	0.000227465
6514	8.56813E-05	9.04212E-05	2.84212E-05	8.1982E-05	0.00022272	8.66513E-05	9.08925E-05	4.3636E-05	8.1982E-05	0.000227721
6515	8.8923E-05	9.38387E-05	2.95394E-05	8.4687E-05	0.000223991	8.9753E-05	9.41651E-05	4.50045E-05	8.4687E-05	0.000229077
6516	8.95942E-05	9.45842E-05	2.93131E-05	8.51437E-05	0.000219098	9.04186E-05	9.49087E-05	4.48783E-05	8.51437E-05	0.000225155
6517	9.26134E-05	9.77976E-05	2.99862E-05	8.80578E-05	0.000216731	9.35314E-05	9.81981E-05	4.62006E-05	8.80578E-05	0.000222617
6518	9.65941E-05	0.000102054	3.06354E-05	9.26168E-05	0.000210774	9.79786E-05	0.000102873	4.83392E-05	9.26168E-05	0.000216244
6519	0.000102199	0.000108021	3.18753E-05	9.82291E-05	0.000205314	0.000103846	0.000109062	5.09468E-05	9.82291E-05	0.000209079
6520	0.00011034	0.000116662	3.39779E-05	0.000105341	0.000193105	0.000111877	0.000117571	5.41301E-05	0.000105341	0.000196006
6521	0.000117774	0.000124513	3.63615E-05	0.000113031	0.000184548	0.000119655	0.000125703	5.83125E-05	0.000113031	0.000186859
6522	0.000121534	0.000128337	3.93496E-05	0.000115208	0.000178303	0.00012259	0.000128726	6.03532E-05	0.000115208	0.000180199
6523	0.000125342	0.000132123	4.34356E-05	0.000114585	0.000162173	0.000124191	0.000130426	6.09463E-05	0.000114585	0.000165584
6524	0.00012084	0.000127188	4.41523E-05	0.000108806	0.000147223	0.000118679	0.000124555	5.90759E-05	0.000108806	0.000152091
6525	0.000113384	0.000119319	4.16899E-05	9.88298E-05	0.000133404	0.000109911	0.00011541	5.41348E-05	9.88298E-05	0.000138624
6526	0.000101974	0.000107378	3.66978E-05	8.62794E-05	0.000123251	9.78432E-05	0.00010283	4.72622E-05	8.62794E-05	0.000128948
6527	8.85511E-05	9.33068E-05	3.11012E-05	7.54247E-05	0.000119242	8.52916E-05	8.96413E-05	4.11762E-05	7.54247E-05	0.000124672

6528	7.85939E-05	8.29716E-05	2.57101E-05	6.82803E-05	0.000117259	7.65541E-05	8.05043E-05	3.64901E-05	6.82803E-05	0.000122568
6529	6.92272E-05	7.32503E-05	2.0627E-05	6.14859E-05	0.000118238	6.83048E-05	7.18828E-05	3.20154E-05	6.14859E-05	0.000123624
6530	6.59479E-05	6.98643E-05	1.86362E-05	5.97085E-05	0.000121154	6.57062E-05	6.91506E-05	3.07722E-05	5.97085E-05	0.000126756
6531	6.53657E-05	6.92792E-05	1.80894E-05	5.99321E-05	0.00012999	6.5505E-05	6.8923E-05	3.08385E-05	5.99321E-05	0.000136238
6532	6.8452E-05	7.2552E-05	1.89223E-05	6.38612E-05	0.000142158	6.90736E-05	7.2626E-05	3.30439E-05	6.38612E-05	0.00014928
6533	7.53192E-05	7.98063E-05	2.11129E-05	7.03787E-05	0.000157468	7.60086E-05	7.99103E-05	3.64368E-05	7.03787E-05	0.00016567
6534	8.18767E-05	8.67026E-05	2.35783E-05	7.60192E-05	0.000166047	8.23252E-05	8.65492E-05	3.9484E-05	7.60192E-05	0.000174981
6535	8.31587E-05	8.79106E-05	2.57535E-05	7.82522E-05	0.000215424	8.38004E-05	8.80112E-05	4.10928E-05	7.82522E-05	0.000219891
6536	8.09011E-05	8.54065E-05	2.64732E-05	7.81757E-05	0.000220017	8.22002E-05	8.62084E-05	4.15478E-05	7.81757E-05	0.000224893
6537	8.155E-05	8.6066E-05	2.6994E-05	7.84855E-05	0.000222458	8.26776E-05	8.67029E-05	4.18515E-05	7.84855E-05	0.000227465
6538	8.56813E-05	9.04212E-05	2.84212E-05	8.1982E-05	0.00022272	8.66513E-05	9.08925E-05	4.3636E-05	8.1982E-05	0.000227721
6539	8.8923E-05	9.38387E-05	2.95394E-05	8.4687E-05	0.000223991	8.9753E-05	9.41651E-05	4.50045E-05	8.4687E-05	0.000229077
6540	8.95942E-05	9.45842E-05	2.93131E-05	8.51437E-05	0.000219098	9.04186E-05	9.49087E-05	4.48783E-05	8.51437E-05	0.000225155
6541	9.26134E-05	9.77976E-05	2.99862E-05	8.80578E-05	0.000216731	9.35314E-05	9.81981E-05	4.62006E-05	8.80578E-05	0.000222617
6542	9.65941E-05	0.000102054	3.06354E-05	9.26168E-05	0.000210774	9.79786E-05	0.000102873	4.83392E-05	9.26168E-05	0.000216244
6543	0.000102199	0.000108021	3.18753E-05	9.82291E-05	0.000205314	0.000103846	0.000109062	5.09468E-05	9.82291E-05	0.000209079
6544	0.00011034	0.000116662	3.39779E-05	0.000105341	0.000193105	0.000111877	0.000117571	5.41301E-05	0.000105341	0.000196006
6545	0.000117774	0.000124513	3.63615E-05	0.000113031	0.000184548	0.000119655	0.000125703	5.83125E-05	0.000113031	0.000186859
6546	0.000121534	0.000128337	3.93496E-05	0.000115208	0.000178303	0.00012259	0.000128726	6.03532E-05	0.000115208	0.000180199
6547	0.000125342	0.000132123	4.34356E-05	0.000114585	0.000162173	0.000124191	0.000130426	6.09463E-05	0.000114585	0.000165584
6548	0.00012084	0.000127188	4.41523E-05	0.000108806	0.000147223	0.000118679	0.000124555	5.90759E-05	0.000108806	0.000152091
6549	0.000113384	0.000119319	4.16899E-05	9.88298E-05	0.000133404	0.000109911	0.00011541	5.41348E-05	9.88298E-05	0.000138624
6550	0.000101974	0.000107378	3.66978E-05	8.62794E-05	0.000123251	9.78432E-05	0.00010283	4.72622E-05	8.62794E-05	0.000128948
6551	8.85511E-05	9.33068E-05	3.11012E-05	7.54247E-05	0.000119242	8.52916E-05	8.96413E-05	4.11762E-05	7.54247E-05	0.000124672
6552	7.85939E-05	8.29716E-05	2.57101E-05	6.82803E-05	0.000117259	7.65541E-05	8.05043E-05	3.64901E-05	6.82803E-05	0.000122568
6553	6.92272E-05	7.32503E-05	2.0627E-05	6.14859E-05	0.000118238	6.83048E-05	7.18828E-05	3.20154E-05	6.14859E-05	0.000123624
6554	6.59479E-05	6.98643E-05	1.86362E-05	5.97085E-05	0.000121154	6.57062E-05	6.91506E-05	3.07722E-05	5.97085E-05	0.000126756
6555	6.53657E-05	6.92792E-05	1.80894E-05	5.99321E-05	0.00012999	6.5505E-05	6.8923E-05	3.08385E-05	5.99321E-05	0.000136238
6556	6.8452E-05	7.2552E-05	1.89223E-05	6.38612E-05	0.000142158	6.90736E-05	7.2626E-05	3.30439E-05	6.38612E-05	0.00014928
6557	7.53192E-05	7.98063E-05	2.11129E-05	7.03787E-05	0.000157468	7.60086E-05	7.99103E-05	3.64368E-05	7.03787E-05	0.00016567
6558	8.18767E-05	8.67026E-05	2.35783E-05	7.60192E-05	0.000166047	8.23252E-05	8.65492E-05	3.9484E-05	7.60192E-05	0.000174981
6559	8.31587E-05	8.79106E-05	2.57535E-05	7.82522E-05	0.000215424	8.38004E-05	8.80112E-05	4.10928E-05	7.82522E-05	0.000219891
6560	8.09011E-05	8.54065E-05	2.64732E-05	7.81757E-05	0.000220017	8.22002E-05	8.62084E-05	4.15478E-05	7.81757E-05	0.000224893
6561	8.155E-05	8.6066E-05	2.6994E-05	7.84855E-05	0.000222458	8.26776E-05	8.67029E-05	4.18515E-05	7.84855E-05	0.000227465
6562	8.56813E-05	9.04212E-05	2.84212E-05	8.1982E-05	0.00022272	8.66513E-05	9.08925E-05	4.3636E-05	8.1982E-05	0.000227721
6563	8.8923E-05	9.38387E-05	2.95394E-05	8.4687E-05	0.000223991	8.9753E-05	9.41651E-05	4.50045E-05	8.4687E-05	0.000229077
6564	8.95942E-05	9.45842E-05	2.93131E-05	8.51437E-05	0.000219098	9.04186E-05	9.49087E-05	4.48783E-05	8.51437E-05	0.000225155
6565	9.26134E-05	9.77976E-05	2.99862E-05	8.80578E-05	0.000216731	9.35314E-05	9.81981E-05	4.62006E-05	8.80578E-05	0.000222617
6566	9.65941E-05	0.000102054	3.06354E-05	9.26168E-05	0.000210774	9.79786E-05	0.000102873	4.83392E-05	9.26168E-05	0.000216244
6567	0.000102199	0.000108021	3.18753E-05	9.82291E-05	0.000205314	0.000103846	0.000109062	5.09468E-05	9.82291E-05	0.000209079
6568	0.00011034	0.000116662	3.39779E-05	0.000105341	0.000193105	0.000111877	0.000117571	5.41301E-05	0.000105341	0.000196006
6569	0.000117774	0.000124513	3.63615E-05	0.000113031	0.000184548	0.000119655	0.000125703	5.83125E-05	0.000113031	0.000186859
6570	0.000121534	0.000128337	3.93496E-05	0.000115208	0.000178303	0.00012259	0.000128726	6.03532E-05	0.000115208	0.000180199
6571	0.000125342	0.000132123	4.34356E-05	0.000114585	0.000162173	0.000124191	0.000130426	6.09463E-05	0.000114585	0.000165584
6572	0.00012084	0.000127188	4.41523E-05	0.000108806	0.000147223	0.000118679	0.000124555	5.90759E-05	0.000108806	0.000152091
6573	0.000113384	0.000119319	4.16899E-05	9.88298E-05	0.000133404	0.000109911	0.00011541	5.41348E-05	9.88298E-05	0.000138624
6574	0.000101974	0.000107378	3.66978E-05	8.62794E-05	0.000123251	9.78432E-05	0.00010283	4.72622E-05	8.62794E-05	0.000128948
6575	8.85511E-05	9.33068E-05	3.11012E-05	7.54247E-05	0.000119242	8.52916E-05	8.96413E-05	4.11762E-05	7.54247E-05	0.000124672
6576	7.85939E-05	8.29716E-05	2.57101E-05	6.82803E-05	0.000117259	7.65541E-05	8.05043E-05	3.64901E-05	6.82803E-05	0.000122568
6577	6.59951E-05	6.97748E-05	2.03346E-05	6.01809E-05	4.50086E-05	6.5688E-05	6.89763E-05	3.2337E-05	6.01809E-05	4.39447E-05
6578	6.41415E-05	6.79062E-05	1.86621E-05	5.96823E-05	4.5831E-05	6.45175E-05	6.7759E-05	3.16417E-05	5.96823E-05	4.47849E-05
6579	6.51214E-05	6.89744E-05	1.85757E-05	6.17223E-05	4.78463E-05	6.60428E-05	6.93287E-05	3.27161E-05	6.17223E-05	4.6835E-05
6580	6.91387E-05	7.32371E-05	1.96272E-05	6.65266E-05	5.09161E-05	7.05595E-05	7.40342E-05	3.53186E-05	6.65266E-05	4.99468E-05
6581	7.6402E-05	8.09055E-05	2.1997E-05	7.3737E-05	5.4836E-05	7.80228E-05	8.18512E-05	3.91949E-05	7.3737E-05	5.39069E-05
6582	8.33733E-05	8.8236E-05	2.46293E-05	8.00252E-05	5.56148E-05	8.48616E-05	8.90213E-05	4.26726E-05	8.00252E-05	5.46677E-05
6583	8.63848E-05	9.12939E-05	2.70797E-05	8.32171E-05	9.71196E-05	8.7828E-05	9.20498E-05	4.50103E-05	8.32171E-05	9.10261E-05
6584	8.00753E-05	8.4463E-05	2.70701E-05	8.0337E-05	9.59558E-05	8.25032E-05	8.62918E-05	4.40782E-05	8.0337E-05	8.98166E-05
6585	7.62449E-05	8.03714E-05	2.63948E-05	7.58998E-05	9.62747E-05	7.82097E-05	8.17854E-05	4.19446E-05	7.58998E-05	9.01168E-05
6586	7.48924E-05	7.89052E-05	2.64159E-05	7.38007E-05	9.65194E-05	7.64267E-05	7.9924E-05	4.09568E-05	7.38007E-05	9.03458E-05
6587	7.37441E-05	7.76675E-05	2.63477E-05	7.18008E-05	9.72195E-05	7.48321E-05	7.82779E-05	3.98848E-05	7.18008E-05	9.10406E-05
6588	7.29414E-05	7.68408E-05	2.58349E-05	7.10928E-05	9.13141E-05	7.40827E-05	7.75075E-05	3.93468E-05	7.10928E-05	8.59938E-05
6589	7.4182E-05	7.81675E-05	2.60352E-05	7.213E-05	9.09857E-05	7.53042E-05	7.88138E-05	3.9709E-05	7.213E-05	8.56586E-05
6590	7.53991E-05	7.94946E-05	2.59244E-05	7.36784E-05	8.92281E-05	7.67761E-05	8.03762E-05	4.02632E-05	7.36784E-05	8.38816E-05
6591	7.88675E-05	8.31857E-05	2.67024E-05	7.74297E-05	9.2893E-05	8.05247E-05	8.43128E-05	4.21041E-05	7.74297E-05	8.66508E-05
6592	8.50743E-05	8.97554E-05	2.85249E-05	8.33695E-05	8.96809E-05	8.68371E-05	9.09526E-05	4.50963E-05	8.33695E-05	8.34025E-05
6593	9.256E-05	9.76935E-05	3.05453E-05	8.9715E-05	8.71744E-05	9.41252E-05	9.86797E-05	4.79321E-05	8.9715E-05	8.08785E-05
6594	0.000100074	0.000105523	3.42409E-05	9.47757E-05	8.57134E-05	0.000100632	0.000105531	5.09403E-05	9.47757E-05	7.94125E-05
6595	0.000106508	0.000112077	3.92382E-05	9.77148E-05	7.19026E-05	0.000105334	0.000110422	5.37285E-05	9.77148E-05	6.73297E-05
6596	0.000105428	0.000110788	4.06755E-05	9.4846E-05	6.01103E-05	0.000103187	0.000108134	5.30164E-05	9.4846E-05	5.73081E-05
6597	9.96088E-05	0.000104626	3.89936E-05	8.80602E-05	5.18705E-05	9.674E-05	0.000101373	4.97502E-05	8.80602E-05	4.99201E-05
6598	9.39907E-05	9.88539E-05	3.52408E-05	8.03257E-05	4.62069E-05	9.03163E-05	9.47472E-05	4.53772E-05	8.03257E-05	4.51473E-05
6599	8.38103E-05	8.82307E-05	3.041E-05	7.25356E-05	4.51077E-05	8.10736E-05	8.50553E-05	4.06909E-05	7.25356E-05	4.40439E-05
6600	7.60807E-05	8.02568E-05	2.56319E-05	6.78196E-05	4.45323E-05	7.47351E-05	7.84277E-05	3.72836E-05	6.78196E-05	4.34707E-05
6601	6.59951E-05	6.97748E-05	2.03346E-05	6.01809E-05	4.50086E-05	6.5688E-05	6.89763E-05	3.2337E-05	6.01809E-05	4.39447E-05
6602	6.41415E-05	6.79062E-05	1.86621E-05	5.96823E-05	4.5831E-05	6.45175E-05	6.7759E-05	3.16417E-05	5.96823E-05	4.47849E-05
6603	6.51214E-05	6.89744E-05	1.85757E-05	6.17223E-05	4.78463E-05	6.60428E-05	6.93287E-05	3.27161E-05	6.17223E-05	4.6835E-05

6604	6.91387E-05	7.32371E-05	1.96272E-05	6.65266E-05	5.09161E-05	7.05595E-05	7.40342E-05	3.53186E-05	6.65266E-05	4.99468E-05
6605	7.6402E-05	8.09055E-05	2.1997E-05	7.3737E-05	5.4836E-05	7.80228E-05	8.18512E-05	3.91949E-05	7.3737E-05	5.39069E-05
6606	8.33733E-05	8.8236E-05	2.46293E-05	8.00252E-05	5.56148E-05	8.48616E-05	8.90213E-05	4.26726E-05	8.00252E-05	5.46677E-05
6607	8.63848E-05	9.12939E-05	2.70797E-05	8.32171E-05	9.71196E-05	8.7828E-05	9.20498E-05	4.50103E-05	8.32171E-05	9.10261E-05
6608	8.00753E-05	8.4463E-05	2.70701E-05	8.0337E-05	9.59558E-05	8.25032E-05	8.62918E-05	4.40782E-05	8.0337E-05	8.98166E-05
6609	7.62449E-05	8.03714E-05	2.63948E-05	7.58998E-05	9.62747E-05	7.82097E-05	8.17854E-05	4.19446E-05	7.58998E-05	9.01168E-05
6610	7.48924E-05	7.89052E-05	2.64159E-05	7.38007E-05	9.65194E-05	7.64267E-05	7.9924E-05	4.09568E-05	7.38007E-05	9.03458E-05
6611	7.37441E-05	7.76675E-05	2.63477E-05	7.18008E-05	9.72195E-05	7.48321E-05	7.82779E-05	3.98848E-05	7.18008E-05	9.10406E-05
6612	7.29414E-05	7.68408E-05	2.58349E-05	7.10928E-05	9.13141E-05	7.40827E-05	7.75075E-05	3.93468E-05	7.10928E-05	8.59938E-05
6613	7.4182E-05	7.81675E-05	2.60352E-05	7.213E-05	9.09857E-05	7.53042E-05	7.88138E-05	3.9709E-05	7.213E-05	8.56586E-05
6614	7.53991E-05	7.94946E-05	2.59244E-05	7.36784E-05	8.92281E-05	7.67761E-05	8.03762E-05	4.02632E-05	7.36784E-05	8.38816E-05
6615	7.88675E-05	8.31857E-05	2.67024E-05	7.74297E-05	9.2893E-05	8.05247E-05	8.43128E-05	4.21041E-05	7.74297E-05	8.66508E-05
6616	8.50743E-05	8.97554E-05	2.85249E-05	8.33695E-05	8.96809E-05	8.68371E-05	9.09526E-05	4.50963E-05	8.33695E-05	8.34025E-05
6617	9.256E-05	9.76935E-05	3.05453E-05	8.9715E-05	8.71744E-05	9.41252E-05	9.86797E-05	4.79321E-05	8.9715E-05	8.08785E-05
6618	0.000100074	0.000105523	3.42409E-05	9.47757E-05	8.57134E-05	0.000100632	0.000105531	5.09403E-05	9.47757E-05	7.94125E-05
6619	0.000106508	0.000112077	3.92382E-05	9.77148E-05	7.19026E-05	0.000105334	0.000110422	5.37285E-05	9.77148E-05	6.73297E-05
6620	0.000105428	0.000110788	4.06755E-05	9.4846E-05	6.01103E-05	0.000103187	0.000108134	5.30164E-05	9.4846E-05	5.73081E-05
6621	9.96088E-05	0.000104626	3.89936E-05	8.80602E-05	5.18705E-05	9.674E-05	0.000101373	4.97502E-05	8.80602E-05	4.99201E-05
6622	9.39907E-05	9.88539E-05	3.52408E-05	8.03257E-05	4.62069E-05	9.03163E-05	9.47472E-05	4.53772E-05	8.03257E-05	4.51473E-05
6623	8.38103E-05	8.82307E-05	3.041E-05	7.25356E-05	4.51077E-05	8.10736E-05	8.50553E-05	4.06909E-05	7.25356E-05	4.40439E-05
6624	7.60807E-05	8.02568E-05	2.56319E-05	6.78196E-05	4.45323E-05	7.47351E-05	7.84277E-05	3.72836E-05	6.78196E-05	4.34707E-05
6625	6.61094E-05	6.98968E-05	2.0356E-05	6.02682E-05	4.47453E-05	6.57966E-05	6.90928E-05	3.23659E-05	6.02682E-05	4.36847E-05
6626	6.41321E-05	6.78966E-05	1.86546E-05	5.9654E-05	4.55217E-05	6.45003E-05	6.77424E-05	3.16185E-05	5.9654E-05	4.44788E-05
6627	6.51724E-05	6.90281E-05	1.85946E-05	6.17959E-05	4.75328E-05	6.61047E-05	6.93921E-05	3.2763E-05	6.17959E-05	4.65243E-05
6628	6.91612E-05	7.32604E-05	1.96409E-05	6.65791E-05	5.05397E-05	7.05947E-05	7.40689E-05	3.5359E-05	6.65791E-05	4.95717E-05
6629	7.6471E-05	8.09771E-05	2.20359E-05	7.38861E-05	5.4465E-05	7.8126E-05	8.19534E-05	3.93071E-05	7.38861E-05	5.35365E-05
6630	8.34219E-05	8.82867E-05	2.46532E-05	8.01175E-05	5.52358E-05	8.49293E-05	8.90891E-05	4.27391E-05	8.01175E-05	5.42885E-05
6631	8.47497E-05	8.95327E-05	2.69692E-05	8.28763E-05	9.68388E-05	8.66392E-05	9.07603E-05	4.48416E-05	8.28763E-05	9.07437E-05
6632	7.95194E-05	8.38747E-05	2.69056E-05	7.96881E-05	9.57333E-05	8.18878E-05	8.56514E-05	4.37169E-05	7.96881E-05	8.95921E-05
6633	7.5098E-05	7.91583E-05	2.60469E-05	7.45297E-05	9.62038E-05	7.69279E-05	8.04537E-05	4.11686E-05	7.45297E-05	9.00438E-05
6634	7.36822E-05	7.76251E-05	2.60494E-05	7.23569E-05	9.65202E-05	7.50749E-05	7.85194E-05	4.014E-05	7.23569E-05	9.03425E-05
6635	7.2646E-05	7.6506E-05	2.60149E-05	7.049E-05	9.72942E-05	7.36053E-05	7.70032E-05	3.91428E-05	7.049E-05	9.111E-05
6636	7.20083E-05	7.58518E-05	2.55769E-05	7.00711E-05	9.13703E-05	7.3076E-05	7.64549E-05	3.88068E-05	7.00711E-05	8.60442E-05
6637	7.34165E-05	7.73553E-05	2.58339E-05	7.13301E-05	9.10418E-05	7.44933E-05	7.79629E-05	3.93036E-05	7.13301E-05	8.57079E-05
6638	7.47297E-05	7.87845E-05	2.57454E-05	7.29677E-05	8.93356E-05	7.60626E-05	7.96283E-05	3.98977E-05	7.29677E-05	8.3983E-05
6639	7.80096E-05	8.22761E-05	2.64685E-05	7.65024E-05	9.30479E-05	7.96038E-05	8.3349E-05	4.16195E-05	7.65024E-05	8.68011E-05
6640	8.41932E-05	8.88216E-05	2.8281E-05	8.24039E-05	8.98476E-05	8.58862E-05	8.99584E-05	4.45855E-05	8.24039E-05	8.35657E-05
6641	9.18767E-05	9.69691E-05	3.03588E-05	8.89757E-05	8.73255E-05	9.33915E-05	9.79118E-05	4.75454E-05	8.89757E-05	8.10264E-05
6642	9.94934E-05	0.000104908	3.40783E-05	9.41321E-05	8.58486E-05	0.000100002	0.000104874	5.05964E-05	9.41321E-05	7.95451E-05
6643	0.000106154	0.000111702	3.91324E-05	9.72978E-05	7.19899E-05	0.00010494	0.000110013	5.34947E-05	9.72978E-05	6.74145E-05
6644	0.000104892	0.000110221	4.05223E-05	9.42405E-05	6.02136E-05	0.000102602	0.000107524	5.26875E-05	9.42405E-05	5.74092E-05
6645	0.000100554	0.000105658	3.89033E-05	8.76083E-05	5.20202E-05	9.71704E-05	0.000101872	4.94828E-05	8.76083E-05	5.00673E-05
6646	9.34244E-05	9.82548E-05	3.50706E-05	7.96549E-05	4.6351E-05	8.96856E-05	9.40915E-05	4.49996E-05	7.96549E-05	4.52886E-05
6647	8.31947E-05	8.75788E-05	3.02335E-05	7.18384E-05	4.52549E-05	8.04005E-05	8.43532E-05	4.03119E-05	7.18384E-05	4.41882E-05
6648	7.56053E-05	7.97535E-05	2.54934E-05	6.7273E-05	4.47549E-05	7.42121E-05	7.78828E-05	3.6983E-05	6.7273E-05	4.36894E-05
6649	6.61094E-05	6.98968E-05	2.0356E-05	6.02682E-05	4.47453E-05	6.57966E-05	6.90928E-05	3.23659E-05	6.02682E-05	4.36847E-05
6650	6.41321E-05	6.78966E-05	1.86546E-05	5.9654E-05	4.55217E-05	6.45003E-05	6.77424E-05	3.16185E-05	5.9654E-05	4.44788E-05
6651	6.51724E-05	6.90281E-05	1.85946E-05	6.17959E-05	4.75328E-05	6.61047E-05	6.93921E-05	3.2763E-05	6.17959E-05	4.65243E-05
6652	6.91612E-05	7.32604E-05	1.96409E-05	6.65791E-05	5.05397E-05	7.05947E-05	7.40689E-05	3.5359E-05	6.65791E-05	4.95717E-05
6653	7.6471E-05	8.09771E-05	2.20359E-05	7.38861E-05	5.4465E-05	7.8126E-05	8.19534E-05	3.93071E-05	7.38861E-05	5.35365E-05
6654	8.34219E-05	8.82867E-05	2.46532E-05	8.01175E-05	5.52358E-05	8.49293E-05	8.90891E-05	4.27391E-05	8.01175E-05	5.42885E-05
6655	8.47497E-05	8.95327E-05	2.69692E-05	8.28763E-05	9.68388E-05	8.66392E-05	9.07603E-05	4.48416E-05	8.28763E-05	9.07437E-05
6656	7.95194E-05	8.38747E-05	2.69056E-05	7.96881E-05	9.57333E-05	8.18878E-05	8.56514E-05	4.37169E-05	7.96881E-05	8.95921E-05
6657	7.5098E-05	7.91583E-05	2.60469E-05	7.45297E-05	9.62038E-05	7.69279E-05	8.04537E-05	4.11686E-05	7.45297E-05	9.00438E-05
6658	7.36822E-05	7.76251E-05	2.60494E-05	7.23569E-05	9.65202E-05	7.50749E-05	7.85194E-05	4.014E-05	7.23569E-05	9.03425E-05
6659	7.2646E-05	7.6506E-05	2.60149E-05	7.049E-05	9.72942E-05	7.36053E-05	7.70032E-05	3.91428E-05	7.049E-05	9.111E-05
6660	7.20083E-05	7.58518E-05	2.55769E-05	7.00711E-05	9.13703E-05	7.3076E-05	7.64549E-05	3.88068E-05	7.00711E-05	8.60442E-05
6661	7.34165E-05	7.73553E-05	2.58339E-05	7.13301E-05	9.10418E-05	7.44933E-05	7.79629E-05	3.93036E-05	7.13301E-05	8.57079E-05
6662	7.47297E-05	7.87845E-05	2.57454E-05	7.29677E-05	8.93356E-05	7.60626E-05	7.96283E-05	3.98977E-05	7.29677E-05	8.3983E-05
6663	7.80096E-05	8.22761E-05	2.64685E-05	7.65024E-05	9.30479E-05	7.96038E-05	8.3349E-05	4.16195E-05	7.65024E-05	8.68011E-05
6664	8.41932E-05	8.88216E-05	2.8281E-05	8.24039E-05	8.98476E-05	8.58862E-05	8.99584E-05	4.45855E-05	8.24039E-05	8.35657E-05
6665	9.18767E-05	9.69691E-05	3.03588E-05	8.89757E-05	8.73255E-05	9.33915E-05	9.79118E-05	4.75454E-05	8.89757E-05	8.10264E-05
6666	9.94934E-05	0.000104908	3.40783E-05	9.41321E-05	8.58486E-05	0.000100002	0.000104874	5.05964E-05	9.41321E-05	7.95451E-05
6667	0.000106154	0.000111702	3.91324E-05	9.72978E-05	7.19899E-05	0.00010494	0.000110013	5.34947E-05	9.72978E-05	6.74145E-05
6668	0.000104892	0.000110221	4.05223E-05	9.42405E-05	6.02136E-05	0.000102602	0.000107524	5.26875E-05	9.42405E-05	5.74092E-05
6669	0.000100554	0.000105658	3.89033E-05	8.76083E-05	5.20202E-05	9.71704E-05	0.000101872	4.94828E-05	8.76083E-05	5.00673E-05
6670	9.34244E-05	9.82548E-05	3.50706E-05	7.96549E-05	4.6351E-05	8.96856E-05	9.40915E-05	4.49996E-05	7.96549E-05	4.52886E-05
6671	8.31947E-05	8.75788E-05	3.02335E-05	7.18384E-05	4.52549E-05	8.04005E-05	8.43532E-05	4.03119E-05	7.18384E-05	4.41882E-05
6672	7.56053E-05	7.97535E-05	2.54934E-05	6.7273E-05	4.47549E-05	7.42121E-05	7.78828E-05	3.6983E-05	6.7273E-05	4.36894E-05
6673	6.61094E-05	6.98968E-05	2.0356E-05	6.02682E-05	4.47453E-05	6.57966E-05	6.90928E-05	3.23659E-05	6.02682E-05	4.36847E-05
6674	6.41321E-05	6.78966E-05	1.86546E-05	5.9654E-05	4.55217E-05	6.45003E-05	6.77424E-05	3.16185E-05	5.9654E-05	4.44788E-05
6675	6.51724E-05	6.90281E-05	1.85946E-05	6.17959E-05	4.75328E-05	6.61047E-05	6.93921E-05	3.2763E-05	6.17959E-05	4.65243E-05
6676	6.91612E-05	7.32604E-05	1.96409E-05	6.65791E-05	5.05397E-05	7.05947E-05	7.40689E-05	3.5359E-05	6.65791E-05	4.95717E-05
6677	7.6471E-05	8.09771E-05	2.20359E-05	7.38861E-05	5.4465E-05	7.8126E-05	8.19534E-05	3.93071E-05	7.38861E-05	5.35365E-05
6678	8.34219E-05	8.82867E-05	2.46532E-05	8.01175E-05	5.52358E-05	8.49293E-05	8.90891E-05	4.27391E-05	8.01175E-05	5.42885E-05
6679	8.47497E-05	8.95327E-05	2.69692E-05	8.28763E-05	9.68388E-05	8.66392E-05	9.07603E-05	4.48416E-05	8.28763E-05	9.07437E-05

6680	7.95194E-05	8.38747E-05	2.69056E-05	7.96881E-05	9.57333E-05	8.18878E-05	8.56514E-05	4.37169E-05	7.96881E-05	8.95921E-05
6681	7.5098E-05	7.91583E-05	2.60469E-05	7.45297E-05	9.62038E-05	7.69279E-05	8.04537E-05	4.11686E-05	7.45297E-05	9.00438E-05
6682	7.36822E-05	7.76251E-05	2.60494E-05	7.23569E-05	9.65202E-05	7.50749E-05	7.85194E-05	4.014E-05	7.23569E-05	9.03425E-05
6683	7.2646E-05	7.6506E-05	2.60149E-05	7.049E-05	9.72942E-05	7.36053E-05	7.70032E-05	3.91428E-05	7.049E-05	9.111E-05
6684	7.20083E-05	7.58518E-05	2.55769E-05	7.00711E-05	9.13703E-05	7.3076E-05	7.64549E-05	3.88068E-05	7.00711E-05	8.60442E-05
6685	7.34165E-05	7.73553E-05	2.58339E-05	7.13301E-05	9.10418E-05	7.44933E-05	7.79629E-05	3.93036E-05	7.13301E-05	8.57079E-05
6686	7.47297E-05	7.87845E-05	2.57454E-05	7.29677E-05	8.93356E-05	7.60626E-05	7.96283E-05	3.98977E-05	7.29677E-05	8.3983E-05
6687	7.80096E-05	8.22761E-05	2.64685E-05	7.65024E-05	9.30479E-05	7.96038E-05	8.3349E-05	4.16195E-05	7.65024E-05	8.68011E-05
6688	8.41932E-05	8.88216E-05	2.8281E-05	8.24039E-05	8.98476E-05	8.58862E-05	8.99584E-05	4.45855E-05	8.24039E-05	8.35657E-05
6689	9.18767E-05	9.69691E-05	3.03588E-05	8.89757E-05	8.73255E-05	9.33915E-05	9.79118E-05	4.75454E-05	8.89757E-05	8.10264E-05
6690	9.94934E-05	0.000104908	3.40783E-05	9.41321E-05	8.58486E-05	0.000100002	0.000104874	5.05964E-05	9.41321E-05	7.95451E-05
6691	0.000106154	0.000111702	3.91324E-05	9.72978E-05	7.19899E-05	0.00010494	0.000110013	5.34947E-05	9.72978E-05	6.74145E-05
6692	0.000104892	0.000110221	4.05223E-05	9.42405E-05	6.02136E-05	0.000102602	0.000107524	5.26875E-05	9.42405E-05	5.74092E-05
6693	0.000100554	0.000105658	3.89033E-05	8.76083E-05	5.20202E-05	9.71704E-05	0.000101872	4.94828E-05	8.76083E-05	5.00673E-05
6694	9.34244E-05	9.82548E-05	3.50706E-05	7.96549E-05	4.6351E-05	8.96856E-05	9.40915E-05	4.49996E-05	7.96549E-05	4.52886E-05
6695	8.31947E-05	8.75788E-05	3.02335E-05	7.18384E-05	4.52549E-05	8.04005E-05	8.43532E-05	4.03119E-05	7.18384E-05	4.41882E-05
6696	7.56053E-05	7.97535E-05	2.54934E-05	6.7273E-05	4.47549E-05	7.42121E-05	7.78828E-05	3.6983E-05	6.7273E-05	4.36894E-05
6697	6.61094E-05	6.98968E-05	2.0356E-05	6.02682E-05	4.47453E-05	6.57966E-05	6.90928E-05	3.23659E-05	6.02682E-05	4.36847E-05
6698	6.41321E-05	6.78966E-05	1.86546E-05	5.9654E-05	4.55217E-05	6.45003E-05	6.77424E-05	3.16185E-05	5.9654E-05	4.44788E-05
6699	6.51724E-05	6.90281E-05	1.85946E-05	6.17959E-05	4.75328E-05	6.61047E-05	6.93921E-05	3.2763E-05	6.17959E-05	4.65243E-05
6700	6.91612E-05	7.32604E-05	1.96409E-05	6.65791E-05	5.05397E-05	7.05947E-05	7.40689E-05	3.5359E-05	6.65791E-05	4.95717E-05
6701	7.6471E-05	8.09771E-05	2.20359E-05	7.38861E-05	5.4465E-05	7.8126E-05	8.19534E-05	3.93071E-05	7.38861E-05	5.35365E-05
6702	8.34219E-05	8.82867E-05	2.46532E-05	8.01175E-05	5.52358E-05	8.49293E-05	8.90891E-05	4.27391E-05	8.01175E-05	5.42885E-05
6703	8.47497E-05	8.95327E-05	2.69692E-05	8.28763E-05	9.68388E-05	8.66392E-05	9.07603E-05	4.48416E-05	8.28763E-05	9.07437E-05
6704	7.95194E-05	8.38747E-05	2.69056E-05	7.96881E-05	9.57333E-05	8.18878E-05	8.56514E-05	4.37169E-05	7.96881E-05	8.95921E-05
6705	7.5098E-05	7.91583E-05	2.60469E-05	7.45297E-05	9.62038E-05	7.69279E-05	8.04537E-05	4.11686E-05	7.45297E-05	9.00438E-05
6706	7.36822E-05	7.76251E-05	2.60494E-05	7.23569E-05	9.65202E-05	7.50749E-05	7.85194E-05	4.014E-05	7.23569E-05	9.03425E-05
6707	7.2646E-05	7.6506E-05	2.60149E-05	7.049E-05	9.72942E-05	7.36053E-05	7.70032E-05	3.91428E-05	7.049E-05	9.111E-05
6708	7.20083E-05	7.58518E-05	2.55769E-05	7.00711E-05	9.13703E-05	7.3076E-05	7.64549E-05	3.88068E-05	7.00711E-05	8.60442E-05
6709	7.34165E-05	7.73553E-05	2.58339E-05	7.13301E-05	9.10418E-05	7.44933E-05	7.79629E-05	3.93036E-05	7.13301E-05	8.57079E-05
6710	7.47297E-05	7.87845E-05	2.57454E-05	7.29677E-05	8.93356E-05	7.60626E-05	7.96283E-05	3.98977E-05	7.29677E-05	8.3983E-05
6711	7.80096E-05	8.22761E-05	2.64685E-05	7.65024E-05	9.30479E-05	7.96038E-05	8.3349E-05	4.16195E-05	7.65024E-05	8.68011E-05
6712	8.41932E-05	8.88216E-05	2.8281E-05	8.24039E-05	8.98476E-05	8.58862E-05	8.99584E-05	4.45855E-05	8.24039E-05	8.35657E-05
6713	9.18767E-05	9.69691E-05	3.03588E-05	8.89757E-05	8.73255E-05	9.33915E-05	9.79118E-05	4.75454E-05	8.89757E-05	8.10264E-05
6714	9.94934E-05	0.000104908	3.40783E-05	9.41321E-05	8.58486E-05	0.000100002	0.000104874	5.05964E-05	9.41321E-05	7.95451E-05
6715	0.000106154	0.000111702	3.91324E-05	9.72978E-05	7.19899E-05	0.00010494	0.000110013	5.34947E-05	9.72978E-05	6.74145E-05
6716	0.000104892	0.000110221	4.05223E-05	9.42405E-05	6.02136E-05	0.000102602	0.000107524	5.26875E-05	9.42405E-05	5.74092E-05
6717	0.000100554	0.000105658	3.89033E-05	8.76083E-05	5.20202E-05	9.71704E-05	0.000101872	4.94828E-05	8.76083E-05	5.00673E-05
6718	9.34244E-05	9.82548E-05	3.50706E-05	7.96549E-05	4.6351E-05	8.96856E-05	9.40915E-05	4.49996E-05	7.96549E-05	4.52886E-05
6719	8.31947E-05	8.75788E-05	3.02335E-05	7.18384E-05	4.52549E-05	8.04005E-05	8.43532E-05	4.03119E-05	7.18384E-05	4.41882E-05
6720	7.56053E-05	7.97535E-05	2.54934E-05	6.7273E-05	4.47549E-05	7.42121E-05	7.78828E-05	3.6983E-05	6.7273E-05	4.36894E-05
6721	6.61094E-05	6.98968E-05	2.0356E-05	6.02682E-05	4.47453E-05	6.57966E-05	6.90928E-05	3.23659E-05	6.02682E-05	4.36847E-05
6722	6.41321E-05	6.78966E-05	1.86546E-05	5.9654E-05	4.55217E-05	6.45003E-05	6.77424E-05	3.16185E-05	5.9654E-05	4.44788E-05
6723	6.51724E-05	6.90281E-05	1.85946E-05	6.17959E-05	4.75328E-05	6.61047E-05	6.93921E-05	3.2763E-05	6.17959E-05	4.65243E-05
6724	6.91612E-05	7.32604E-05	1.96409E-05	6.65791E-05	5.05397E-05	7.05947E-05	7.40689E-05	3.5359E-05	6.65791E-05	4.95717E-05
6725	7.6471E-05	8.09771E-05	2.20359E-05	7.38861E-05	5.4465E-05	7.8126E-05	8.19534E-05	3.93071E-05	7.38861E-05	5.35365E-05
6726	8.34219E-05	8.82867E-05	2.46532E-05	8.01175E-05	5.52358E-05	8.49293E-05	8.90891E-05	4.27391E-05	8.01175E-05	5.42885E-05
6727	8.47497E-05	8.95327E-05	2.69692E-05	8.28763E-05	9.68388E-05	8.66392E-05	9.07603E-05	4.48416E-05	8.28763E-05	9.07437E-05
6728	7.95194E-05	8.38747E-05	2.69056E-05	7.96881E-05	9.57333E-05	8.18878E-05	8.56514E-05	4.37169E-05	7.96881E-05	8.95921E-05
6729	7.5098E-05	7.91583E-05	2.60469E-05	7.45297E-05	9.62038E-05	7.69279E-05	8.04537E-05	4.11686E-05	7.45297E-05	9.00438E-05
6730	7.36822E-05	7.76251E-05	2.60494E-05	7.23569E-05	9.65202E-05	7.50749E-05	7.85194E-05	4.014E-05	7.23569E-05	9.03425E-05
6731	7.2646E-05	7.6506E-05	2.60149E-05	7.049E-05	9.72942E-05	7.36053E-05	7.70032E-05	3.91428E-05	7.049E-05	9.111E-05
6732	7.20083E-05	7.58518E-05	2.55769E-05	7.00711E-05	9.13703E-05	7.3076E-05	7.64549E-05	3.88068E-05	7.00711E-05	8.60442E-05
6733	7.34165E-05	7.73553E-05	2.58339E-05	7.13301E-05	9.10418E-05	7.44933E-05	7.79629E-05	3.93036E-05	7.13301E-05	8.57079E-05
6734	7.47297E-05	7.87845E-05	2.57454E-05	7.29677E-05	8.93356E-05	7.60626E-05	7.96283E-05	3.98977E-05	7.29677E-05	8.3983E-05
6735	7.80096E-05	8.22761E-05	2.64685E-05	7.65024E-05	9.30479E-05	7.96038E-05	8.3349E-05	4.16195E-05	7.65024E-05	8.68011E-05
6736	8.41932E-05	8.88216E-05	2.8281E-05	8.24039E-05	8.98476E-05	8.58862E-05	8.99584E-05	4.45855E-05	8.24039E-05	8.35657E-05
6737	9.18767E-05	9.69691E-05	3.03588E-05	8.89757E-05	8.73255E-05	9.33915E-05	9.79118E-05	4.75454E-05	8.89757E-05	8.10264E-05
6738	9.94934E-05	0.000104908	3.40783E-05	9.41321E-05	8.58486E-05	0.000100002	0.000104874	5.05964E-05	9.41321E-05	7.95451E-05
6739	0.000106154	0.000111702	3.91324E-05	9.72978E-05	7.19899E-05	0.00010494	0.000110013	5.34947E-05	9.72978E-05	6.74145E-05
6740	0.000104892	0.000110221	4.05223E-05	9.42405E-05	6.02136E-05	0.000102602	0.000107524	5.26875E-05	9.42405E-05	5.74092E-05
6741	0.000100554	0.000105658	3.89033E-05	8.76083E-05	5.20202E-05	9.71704E-05	0.000101872	4.94828E-05	8.76083E-05	5.00673E-05
6742	9.34244E-05	9.82548E-05	3.50706E-05	7.96549E-05	4.6351E-05	8.96856E-05	9.40915E-05	4.49996E-05	7.96549E-05	4.52886E-05
6743	8.31947E-05	8.75788E-05	3.02335E-05	7.18384E-05	4.52549E-05	8.04005E-05	8.43532E-05	4.03119E-05	7.18384E-05	4.41882E-05
6744	7.56053E-05	7.97535E-05	2.54934E-05	6.7273E-05	4.47549E-05	7.42121E-05	7.78828E-05	3.6983E-05	6.7273E-05	4.36894E-05
6745	6.59951E-05	6.97748E-05	2.03346E-05	6.01809E-05	4.50086E-05	6.5688E-05	6.89763E-05	3.2337E-05	6.01809E-05	4.39447E-05
6746	6.41415E-05	6.79062E-05	1.86621E-05	5.96823E-05	4.5831E-05	6.45175E-05	6.7759E-05	3.16417E-05	5.96823E-05	4.47849E-05
6747	6.51214E-05	6.89744E-05	1.85757E-05	6.17223E-05	4.78463E-05	6.60428E-05	6.93287E-05	3.27161E-05	6.17223E-05	4.6835E-05
6748	6.91387E-05	7.32371E-05	1.96272E-05	6.65266E-05	5.09161E-05	7.05595E-05	7.40342E-05	3.53186E-05	6.65266E-05	4.99468E-05
6749	7.6402E-05	8.09055E-05	2.1997E-05	7.3737E-05	5.4836E-05	7.80228E-05	8.18512E-05	3.91949E-05	7.3737E-05	5.39069E-05
6750	8.33733E-05	8.8236E-05	2.46293E-05	8.00252E-05	5.56148E-05	8.48616E-05	8.90213E-05	4.26726E-05	8.00252E-05	5.46677E-05
6751	8.63848E-05	9.12939E-05	2.70797E-05	8.32171E-05	9.71196E-05	8.7828E-05	9.20498E-05	4.50103E-05	8.32171E-05	9.10261E-05
6752	8.00753E-05	8.4463E-05	2.70701E-05	8.0337E-05	9.59558E-05	8.25032E-05	8.62918E-05	4.40782E-05	8.0337E-05	8.98166E-05
6753	7.62449E-05	8.03714E-05	2.63948E-05	7.58998E-05	9.62747E-05	7.82097E-05	8.17854E-05	4.19446E-05	7.58998E-05	9.01168E-05
6754	7.48924E-05	7.89052E-05	2.64159E-05	7.38007E-05	9.65194E-05	7.64267E-05	7.9924E-05	4.09568E-05	7.38007E-05	9.03458E-05
6755	7.37441E-05	7.76675E-05	2.63477E-05	7.18008E-05	9.72195E-05	7.48321E-05	7.82779E-05	3.98848E-05	7.18008E-05	9.10406E-05

6756	7.29414E-05	7.68408E-05	2.58349E-05	7.10928E-05	9.13141E-05	7.40827E-05	7.75075E-05	3.93468E-05	7.10928E-05	8.59938E-05
6757	7.4182E-05	7.81675E-05	2.60352E-05	7.213E-05	9.09857E-05	7.53042E-05	7.88138E-05	3.9709E-05	7.213E-05	8.56586E-05
6758	7.53991E-05	7.94946E-05	2.59244E-05	7.36784E-05	8.92281E-05	7.67761E-05	8.03762E-05	4.02632E-05	7.36784E-05	8.38816E-05
6759	7.88675E-05	8.31857E-05	2.67024E-05	7.74297E-05	9.2893E-05	8.05247E-05	8.43128E-05	4.21041E-05	7.74297E-05	8.66508E-05
6760	8.50743E-05	8.97554E-05	2.85249E-05	8.33695E-05	8.96809E-05	8.68371E-05	9.09526E-05	4.50963E-05	8.33695E-05	8.34025E-05
6761	9.256E-05	9.76935E-05	3.05453E-05	8.9715E-05	8.71744E-05	9.41252E-05	9.86797E-05	4.79321E-05	8.9715E-05	8.08785E-05
6762	0.000100074	0.000105523	3.42409E-05	9.47757E-05	8.57134E-05	0.000100632	0.000105531	5.09403E-05	9.47757E-05	7.94125E-05
6763	0.000106508	0.000112077	3.92382E-05	9.77148E-05	7.19026E-05	0.000105334	0.000110422	5.37285E-05	9.77148E-05	6.73297E-05
6764	0.000105428	0.000110788	4.06755E-05	9.4846E-05	6.01103E-05	0.000103187	0.000108134	5.30164E-05	9.4846E-05	5.73081E-05
6765	9.96088E-05	0.000104626	3.89936E-05	8.80602E-05	5.18705E-05	9.674E-05	0.000101373	4.97502E-05	8.80602E-05	4.99201E-05
6766	9.39907E-05	9.88539E-05	3.52408E-05	8.03257E-05	4.62069E-05	9.03163E-05	9.47472E-05	4.53772E-05	8.03257E-05	4.51473E-05
6767	8.38103E-05	8.82307E-05	3.041E-05	7.25356E-05	4.51077E-05	8.10736E-05	8.50553E-05	4.06909E-05	7.25356E-05	4.40439E-05
6768	7.60807E-05	8.02568E-05	2.56319E-05	6.78196E-05	4.45323E-05	7.47351E-05	7.84277E-05	3.72836E-05	6.78196E-05	4.34707E-05
6769	6.59951E-05	6.97748E-05	2.03346E-05	6.01809E-05	4.50086E-05	6.5688E-05	6.89763E-05	3.2337E-05	6.01809E-05	4.39447E-05
6770	6.41415E-05	6.79062E-05	1.86621E-05	5.96823E-05	4.5831E-05	6.45175E-05	6.7759E-05	3.16417E-05	5.96823E-05	4.47849E-05
6771	6.51214E-05	6.89744E-05	1.85757E-05	6.17223E-05	4.78463E-05	6.60428E-05	6.93287E-05	3.27161E-05	6.17223E-05	4.6835E-05
6772	6.91387E-05	7.32371E-05	1.96272E-05	6.65266E-05	5.09161E-05	7.05595E-05	7.40342E-05	3.53186E-05	6.65266E-05	4.99468E-05
6773	7.6402E-05	8.09055E-05	2.1997E-05	7.3737E-05	5.4836E-05	7.80228E-05	8.18512E-05	3.91949E-05	7.3737E-05	5.39069E-05
6774	8.33733E-05	8.8236E-05	2.46293E-05	8.00252E-05	5.56148E-05	8.48616E-05	8.90213E-05	4.26726E-05	8.00252E-05	5.46677E-05
6775	8.63848E-05	9.12939E-05	2.70797E-05	8.32171E-05	9.71196E-05	8.7828E-05	9.20498E-05	4.50103E-05	8.32171E-05	9.10261E-05
6776	8.00753E-05	8.4463E-05	2.70701E-05	8.0337E-05	9.59558E-05	8.25032E-05	8.62918E-05	4.40782E-05	8.0337E-05	8.98166E-05
6777	7.62449E-05	8.03714E-05	2.63948E-05	7.58998E-05	9.62747E-05	7.82097E-05	8.17854E-05	4.19446E-05	7.58998E-05	9.01168E-05
6778	7.48924E-05	7.89052E-05	2.64159E-05	7.38007E-05	9.65194E-05	7.64267E-05	7.9924E-05	4.09568E-05	7.38007E-05	9.03458E-05
6779	7.37441E-05	7.76675E-05	2.63477E-05	7.18008E-05	9.72195E-05	7.48321E-05	7.82779E-05	3.98848E-05	7.18008E-05	9.10406E-05
6780	7.29414E-05	7.68408E-05	2.58349E-05	7.10928E-05	9.13141E-05	7.40827E-05	7.75075E-05	3.93468E-05	7.10928E-05	8.59938E-05
6781	7.4182E-05	7.81675E-05	2.60352E-05	7.213E-05	9.09857E-05	7.53042E-05	7.88138E-05	3.9709E-05	7.213E-05	8.56586E-05
6782	7.53991E-05	7.94946E-05	2.59244E-05	7.36784E-05	8.92281E-05	7.67761E-05	8.03762E-05	4.02632E-05	7.36784E-05	8.38816E-05
6783	7.88675E-05	8.31857E-05	2.67024E-05	7.74297E-05	9.2893E-05	8.05247E-05	8.43128E-05	4.21041E-05	7.74297E-05	8.66508E-05
6784	8.50743E-05	8.97554E-05	2.85249E-05	8.33695E-05	8.96809E-05	8.68371E-05	9.09526E-05	4.50963E-05	8.33695E-05	8.34025E-05
6785	9.256E-05	9.76935E-05	3.05453E-05	8.9715E-05	8.71744E-05	9.41252E-05	9.86797E-05	4.79321E-05	8.9715E-05	8.08785E-05
6786	0.000100074	0.000105523	3.42409E-05	9.47757E-05	8.57134E-05	0.000100632	0.000105531	5.09403E-05	9.47757E-05	7.94125E-05
6787	0.000106508	0.000112077	3.92382E-05	9.77148E-05	7.19026E-05	0.000105334	0.000110422	5.37285E-05	9.77148E-05	6.73297E-05
6788	0.000105428	0.000110788	4.06755E-05	9.4846E-05	6.01103E-05	0.000103187	0.000108134	5.30164E-05	9.4846E-05	5.73081E-05
6789	9.96088E-05	0.000104626	3.89936E-05	8.80602E-05	5.18705E-05	9.674E-05	0.000101373	4.97502E-05	8.80602E-05	4.99201E-05
6790	9.39907E-05	9.88539E-05	3.52408E-05	8.03257E-05	4.62069E-05	9.03163E-05	9.47472E-05	4.53772E-05	8.03257E-05	4.51473E-05
6791	8.38103E-05	8.82307E-05	3.041E-05	7.25356E-05	4.51077E-05	8.10736E-05	8.50553E-05	4.06909E-05	7.25356E-05	4.40439E-05
6792	7.60807E-05	8.02568E-05	2.56319E-05	6.78196E-05	4.45323E-05	7.47351E-05	7.84277E-05	3.72836E-05	6.78196E-05	4.34707E-05
6793	6.61094E-05	6.98968E-05	2.0356E-05	6.02682E-05	4.47453E-05	6.57966E-05	6.90928E-05	3.23659E-05	6.02682E-05	4.36847E-05
6794	6.41321E-05	6.78966E-05	1.86546E-05	5.9654E-05	4.55217E-05	6.45003E-05	6.77424E-05	3.16185E-05	5.9654E-05	4.44788E-05
6795	6.51724E-05	6.90281E-05	1.85946E-05	6.17959E-05	4.75328E-05	6.61047E-05	6.93921E-05	3.2763E-05	6.17959E-05	4.65243E-05
6796	6.91612E-05	7.32604E-05	1.96409E-05	6.65791E-05	5.05397E-05	7.05947E-05	7.40689E-05	3.5359E-05	6.65791E-05	4.95717E-05
6797	7.6471E-05	8.09771E-05	2.20359E-05	7.38861E-05	5.4465E-05	7.8126E-05	8.19534E-05	3.93071E-05	7.38861E-05	5.35365E-05
6798	8.34219E-05	8.82867E-05	2.46532E-05	8.01175E-05	5.52358E-05	8.49293E-05	8.90891E-05	4.27391E-05	8.01175E-05	5.42885E-05
6799	8.47497E-05	8.95327E-05	2.69692E-05	8.28763E-05	9.68388E-05	8.66392E-05	9.07603E-05	4.48416E-05	8.28763E-05	9.07437E-05
6800	7.95194E-05	8.38747E-05	2.69056E-05	7.96881E-05	9.57333E-05	8.18878E-05	8.56514E-05	4.37169E-05	7.96881E-05	8.95921E-05
6801	7.5098E-05	7.91583E-05	2.60469E-05	7.45297E-05	9.62038E-05	7.69279E-05	8.04537E-05	4.11686E-05	7.45297E-05	9.00438E-05
6802	7.36822E-05	7.76251E-05	2.60494E-05	7.23569E-05	9.65202E-05	7.50749E-05	7.85194E-05	4.014E-05	7.23569E-05	9.03425E-05
6803	7.2646E-05	7.6506E-05	2.60149E-05	7.049E-05	9.72942E-05	7.36053E-05	7.70032E-05	3.91428E-05	7.049E-05	9.111E-05
6804	7.20083E-05	7.58518E-05	2.55769E-05	7.00711E-05	9.13703E-05	7.3076E-05	7.64549E-05	3.88068E-05	7.00711E-05	8.60442E-05
6805	7.34165E-05	7.73553E-05	2.58339E-05	7.13301E-05	9.10418E-05	7.44933E-05	7.79629E-05	3.93036E-05	7.13301E-05	8.57079E-05
6806	7.47297E-05	7.87845E-05	2.57454E-05	7.29677E-05	8.93356E-05	7.60626E-05	7.96283E-05	3.98977E-05	7.29677E-05	8.3983E-05
6807	7.80096E-05	8.22761E-05	2.64685E-05	7.65024E-05	9.30479E-05	7.96038E-05	8.3349E-05	4.16195E-05	7.65024E-05	8.68011E-05
6808	8.41932E-05	8.88216E-05	2.8281E-05	8.24039E-05	8.98476E-05	8.58862E-05	8.99584E-05	4.45855E-05	8.24039E-05	8.35657E-05
6809	9.18767E-05	9.69691E-05	3.03588E-05	8.89757E-05	8.73255E-05	9.33915E-05	9.79118E-05	4.75454E-05	8.89757E-05	8.10264E-05
6810	9.94934E-05	0.000104908	3.40783E-05	9.41321E-05	8.58486E-05	0.000100002	0.000104874	5.05964E-05	9.41321E-05	7.95451E-05
6811	0.000106154	0.000111702	3.91324E-05	9.72978E-05	7.19899E-05	0.00010494	0.000110013	5.34947E-05	9.72978E-05	6.74145E-05
6812	0.000104892	0.000110221	4.05223E-05	9.42405E-05	6.02136E-05	0.000102602	0.000107524	5.26875E-05	9.42405E-05	5.74092E-05
6813	0.000100554	0.000105658	3.89033E-05	8.76083E-05	5.20202E-05	9.71704E-05	0.000101872	4.94828E-05	8.76083E-05	5.00673E-05
6814	9.34244E-05	9.82548E-05	3.50706E-05	7.96549E-05	4.6351E-05	8.96856E-05	9.40915E-05	4.49996E-05	7.96549E-05	4.52886E-05
6815	8.31947E-05	8.75788E-05	3.02335E-05	7.18384E-05	4.52549E-05	8.04005E-05	8.43532E-05	4.03119E-05	7.18384E-05	4.41882E-05
6816	7.56053E-05	7.97535E-05	2.54934E-05	6.7273E-05	4.47549E-05	7.42121E-05	7.78828E-05	3.6983E-05	6.7273E-05	4.36894E-05
6817	6.61094E-05	6.98968E-05	2.0356E-05	6.02682E-05	4.47453E-05	6.57966E-05	6.90928E-05	3.23659E-05	6.02682E-05	4.36847E-05
6818	6.41321E-05	6.78966E-05	1.86546E-05	5.9654E-05	4.55217E-05	6.45003E-05	6.77424E-05	3.16185E-05	5.9654E-05	4.44788E-05
6819	6.51724E-05	6.90281E-05	1.85946E-05	6.17959E-05	4.75328E-05	6.61047E-05	6.93921E-05	3.2763E-05	6.17959E-05	4.65243E-05
6820	6.91612E-05	7.32604E-05	1.96409E-05	6.65791E-05	5.05397E-05	7.05947E-05	7.40689E-05	3.5359E-05	6.65791E-05	4.95717E-05
6821	7.6471E-05	8.09771E-05	2.20359E-05	7.38861E-05	5.4465E-05	7.8126E-05	8.19534E-05	3.93071E-05	7.38861E-05	5.35365E-05
6822	8.34219E-05	8.82867E-05	2.46532E-05	8.01175E-05	5.52358E-05	8.49293E-05	8.90891E-05	4.27391E-05	8.01175E-05	5.42885E-05
6823	8.47497E-05	8.95327E-05	2.69692E-05	8.28763E-05	9.68388E-05	8.66392E-05	9.07603E-05	4.48416E-05	8.28763E-05	9.07437E-05
6824	7.95194E-05	8.38747E-05	2.69056E-05	7.96881E-05	9.57333E-05	8.18878E-05	8.56514E-05	4.37169E-05	7.96881E-05	8.95921E-05
6825	7.5098E-05	7.91583E-05	2.60469E-05	7.45297E-05	9.62038E-05	7.69279E-05	8.04537E-05	4.11686E-05	7.45297E-05	9.00438E-05
6826	7.36822E-05	7.76251E-05	2.60494E-05	7.23569E-05	9.65202E-05	7.50749E-05	7.85194E-05	4.014E-05	7.23569E-05	9.03425E-05
6827	7.2646E-05	7.6506E-05	2.60149E-05	7.049E-05	9.72942E-05	7.36053E-05	7.70032E-05	3.91428E-05	7.049E-05	9.111E-05
6828	7.20083E-05	7.58518E-05	2.55769E-05	7.00711E-05	9.13703E-05	7.3076E-05	7.64549E-05	3.88068E-05	7.00711E-05	8.60442E-05
6829	7.34165E-05	7.73553E-05	2.58339E-05	7.13301E-05	9.10418E-05	7.44933E-05	7.79629E-05	3.93036E-05	7.13301E-05	8.57079E-05
6830	7.47297E-05	7.87845E-05	2.57454E-05	7.29677E-05	8.93356E-05	7.60626E-05	7.96283E-05	3.98977E-05	7.29677E-05	8.3983E-05
6831	7.80096E-05	8.22761E-05	2.64685E-05	7.65024E-05	9.30479E-05	7.96038E-05	8.3349E-05	4.16195E-05	7.65024E-05	8.68011E-05

6832	8.41932E-05	8.88216E-05	2.8281E-05	8.24039E-05	8.98476E-05	8.58862E-05	8.99584E-05	4.45855E-05	8.24039E-05	8.35657E-05
6833	9.18767E-05	9.69691E-05	3.03588E-05	8.89757E-05	8.73255E-05	9.33915E-05	9.79118E-05	4.75454E-05	8.89757E-05	8.10264E-05
6834	9.94934E-05	0.000104908	3.40783E-05	9.41321E-05	8.58486E-05	0.000100002	0.000104874	5.05964E-05	9.41321E-05	7.95451E-05
6835	0.000106154	0.000111702	3.91324E-05	9.72978E-05	7.19899E-05	0.00010494	0.000110013	5.34947E-05	9.72978E-05	6.74145E-05
6836	0.000104892	0.000110221	4.05223E-05	9.42405E-05	6.02136E-05	0.000102602	0.000107524	5.26875E-05	9.42405E-05	5.74092E-05
6837	0.000100554	0.000105658	3.89033E-05	8.76083E-05	5.20202E-05	9.71704E-05	0.000101872	4.94828E-05	8.76083E-05	5.00673E-05
6838	9.34244E-05	9.82548E-05	3.50706E-05	7.96549E-05	4.6351E-05	8.96856E-05	9.40915E-05	4.49996E-05	7.96549E-05	4.52886E-05
6839	8.31947E-05	8.75788E-05	3.02335E-05	7.18384E-05	4.52549E-05	8.04005E-05	8.43532E-05	4.03119E-05	7.18384E-05	4.41882E-05
6840	7.56053E-05	7.97535E-05	2.54934E-05	6.7273E-05	4.47549E-05	7.42121E-05	7.78828E-05	3.6983E-05	6.7273E-05	4.36894E-05
6841	6.61094E-05	6.98968E-05	2.0356E-05	6.02682E-05	4.47453E-05	6.57966E-05	6.90928E-05	3.23659E-05	6.02682E-05	4.36847E-05
6842	6.41321E-05	6.78966E-05	1.86546E-05	5.9654E-05	4.55217E-05	6.45003E-05	6.77424E-05	3.16185E-05	5.9654E-05	4.44788E-05
6843	6.51724E-05	6.90281E-05	1.85946E-05	6.17959E-05	4.75328E-05	6.61047E-05	6.93921E-05	3.2763E-05	6.17959E-05	4.65243E-05
6844	6.91612E-05	7.32604E-05	1.96409E-05	6.65791E-05	5.05397E-05	7.05947E-05	7.40689E-05	3.5359E-05	6.65791E-05	4.95717E-05
6845	7.6471E-05	8.09771E-05	2.20359E-05	7.38861E-05	5.4465E-05	7.8126E-05	8.19534E-05	3.93071E-05	7.38861E-05	5.35365E-05
6846	8.34219E-05	8.82867E-05	2.46532E-05	8.01175E-05	5.52358E-05	8.49293E-05	8.90891E-05	4.27391E-05	8.01175E-05	5.42885E-05
6847	8.47497E-05	8.95327E-05	2.69692E-05	8.28763E-05	9.68388E-05	8.66392E-05	9.07603E-05	4.48416E-05	8.28763E-05	9.07437E-05
6848	7.95194E-05	8.38747E-05	2.69056E-05	7.96881E-05	9.57333E-05	8.18878E-05	8.56514E-05	4.37169E-05	7.96881E-05	8.95921E-05
6849	7.5098E-05	7.91583E-05	2.60469E-05	7.45297E-05	9.62038E-05	7.69279E-05	8.04537E-05	4.11686E-05	7.45297E-05	9.00438E-05
6850	7.36822E-05	7.76251E-05	2.60494E-05	7.23569E-05	9.65202E-05	7.50749E-05	7.85194E-05	4.014E-05	7.23569E-05	9.03425E-05
6851	7.2646E-05	7.6506E-05	2.60149E-05	7.049E-05	9.72942E-05	7.36053E-05	7.70032E-05	3.91428E-05	7.049E-05	9.111E-05
6852	7.20083E-05	7.58518E-05	2.55769E-05	7.00711E-05	9.13703E-05	7.3076E-05	7.64549E-05	3.88068E-05	7.00711E-05	8.60442E-05
6853	7.34165E-05	7.73553E-05	2.58339E-05	7.13301E-05	9.10418E-05	7.44933E-05	7.79629E-05	3.93036E-05	7.13301E-05	8.57079E-05
6854	7.47297E-05	7.87845E-05	2.57454E-05	7.29677E-05	8.93356E-05	7.60626E-05	7.96283E-05	3.98977E-05	7.29677E-05	8.3983E-05
6855	7.80096E-05	8.22761E-05	2.64685E-05	7.65024E-05	9.30479E-05	7.96038E-05	8.3349E-05	4.16195E-05	7.65024E-05	8.68011E-05
6856	8.41932E-05	8.88216E-05	2.8281E-05	8.24039E-05	8.98476E-05	8.58862E-05	8.99584E-05	4.45855E-05	8.24039E-05	8.35657E-05
6857	9.18767E-05	9.69691E-05	3.03588E-05	8.89757E-05	8.73255E-05	9.33915E-05	9.79118E-05	4.75454E-05	8.89757E-05	8.10264E-05
6858	9.94934E-05	0.000104908	3.40783E-05	9.41321E-05	8.58486E-05	0.000100002	0.000104874	5.05964E-05	9.41321E-05	7.95451E-05
6859	0.000106154	0.000111702	3.91324E-05	9.72978E-05	7.19899E-05	0.00010494	0.000110013	5.34947E-05	9.72978E-05	6.74145E-05
6860	0.000104892	0.000110221	4.05223E-05	9.42405E-05	6.02136E-05	0.000102602	0.000107524	5.26875E-05	9.42405E-05	5.74092E-05
6861	0.000100554	0.000105658	3.89033E-05	8.76083E-05	5.20202E-05	9.71704E-05	0.000101872	4.94828E-05	8.76083E-05	5.00673E-05
6862	9.34244E-05	9.82548E-05	3.50706E-05	7.96549E-05	4.6351E-05	8.96856E-05	9.40915E-05	4.49996E-05	7.96549E-05	4.52886E-05
6863	8.31947E-05	8.75788E-05	3.02335E-05	7.18384E-05	4.52549E-05	8.04005E-05	8.43532E-05	4.03119E-05	7.18384E-05	4.41882E-05
6864	7.56053E-05	7.97535E-05	2.54934E-05	6.7273E-05	4.47549E-05	7.42121E-05	7.78828E-05	3.6983E-05	6.7273E-05	4.36894E-05
6865	6.61094E-05	6.98968E-05	2.0356E-05	6.02682E-05	4.47453E-05	6.57966E-05	6.90928E-05	3.23659E-05	6.02682E-05	4.36847E-05
6866	6.41321E-05	6.78966E-05	1.86546E-05	5.9654E-05	4.55217E-05	6.45003E-05	6.77424E-05	3.16185E-05	5.9654E-05	4.44788E-05
6867	6.51724E-05	6.90281E-05	1.85946E-05	6.17959E-05	4.75328E-05	6.61047E-05	6.93921E-05	3.2763E-05	6.17959E-05	4.65243E-05
6868	6.91612E-05	7.32604E-05	1.96409E-05	6.65791E-05	5.05397E-05	7.05947E-05	7.40689E-05	3.5359E-05	6.65791E-05	4.95717E-05
6869	7.6471E-05	8.09771E-05	2.20359E-05	7.38861E-05	5.4465E-05	7.8126E-05	8.19534E-05	3.93071E-05	7.38861E-05	5.35365E-05
6870	8.34219E-05	8.82867E-05	2.46532E-05	8.01175E-05	5.52358E-05	8.49293E-05	8.90891E-05	4.27391E-05	8.01175E-05	5.42885E-05
6871	8.47497E-05	8.95327E-05	2.69692E-05	8.28763E-05	9.68388E-05	8.66392E-05	9.07603E-05	4.48416E-05	8.28763E-05	9.07437E-05
6872	7.95194E-05	8.38747E-05	2.69056E-05	7.96881E-05	9.57333E-05	8.18878E-05	8.56514E-05	4.37169E-05	7.96881E-05	8.95921E-05
6873	7.5098E-05	7.91583E-05	2.60469E-05	7.45297E-05	9.62038E-05	7.69279E-05	8.04537E-05	4.11686E-05	7.45297E-05	9.00438E-05
6874	7.36822E-05	7.76251E-05	2.60494E-05	7.23569E-05	9.65202E-05	7.50749E-05	7.85194E-05	4.014E-05	7.23569E-05	9.03425E-05
6875	7.2646E-05	7.6506E-05	2.60149E-05	7.049E-05	9.72942E-05	7.36053E-05	7.70032E-05	3.91428E-05	7.049E-05	9.111E-05
6876	7.20083E-05	7.58518E-05	2.55769E-05	7.00711E-05	9.13703E-05	7.3076E-05	7.64549E-05	3.88068E-05	7.00711E-05	8.60442E-05
6877	7.34165E-05	7.73553E-05	2.58339E-05	7.13301E-05	9.10418E-05	7.44933E-05	7.79629E-05	3.93036E-05	7.13301E-05	8.57079E-05
6878	7.47297E-05	7.87845E-05	2.57454E-05	7.29677E-05	8.93356E-05	7.60626E-05	7.96283E-05	3.98977E-05	7.29677E-05	8.3983E-05
6879	7.80096E-05	8.22761E-05	2.64685E-05	7.65024E-05	9.30479E-05	7.96038E-05	8.3349E-05	4.16195E-05	7.65024E-05	8.68011E-05
6880	8.41932E-05	8.88216E-05	2.8281E-05	8.24039E-05	8.98476E-05	8.58862E-05	8.99584E-05	4.45855E-05	8.24039E-05	8.35657E-05
6881	9.18767E-05	9.69691E-05	3.03588E-05	8.89757E-05	8.73255E-05	9.33915E-05	9.79118E-05	4.75454E-05	8.89757E-05	8.10264E-05
6882	9.94934E-05	0.000104908	3.40783E-05	9.41321E-05	8.58486E-05	0.000100002	0.000104874	5.05964E-05	9.41321E-05	7.95451E-05
6883	0.000106154	0.000111702	3.91324E-05	9.72978E-05	7.19899E-05	0.00010494	0.000110013	5.34947E-05	9.72978E-05	6.74145E-05
6884	0.000104892	0.000110221	4.05223E-05	9.42405E-05	6.02136E-05	0.000102602	0.000107524	5.26875E-05	9.42405E-05	5.74092E-05
6885	0.000100554	0.000105658	3.89033E-05	8.76083E-05	5.20202E-05	9.71704E-05	0.000101872	4.94828E-05	8.76083E-05	5.00673E-05
6886	9.34244E-05	9.82548E-05	3.50706E-05	7.96549E-05	4.6351E-05	8.96856E-05	9.40915E-05	4.49996E-05	7.96549E-05	4.52886E-05
6887	8.31947E-05	8.75788E-05	3.02335E-05	7.18384E-05	4.52549E-05	8.04005E-05	8.43532E-05	4.03119E-05	7.18384E-05	4.41882E-05
6888	7.56053E-05	7.97535E-05	2.54934E-05	6.7273E-05	4.47549E-05	7.42121E-05	7.78828E-05	3.6983E-05	6.7273E-05	4.36894E-05
6889	6.61094E-05	6.98968E-05	2.0356E-05	6.02682E-05	4.47453E-05	6.57966E-05	6.90928E-05	3.23659E-05	6.02682E-05	4.36847E-05
6890	6.41321E-05	6.78966E-05	1.86546E-05	5.9654E-05	4.55217E-05	6.45003E-05	6.77424E-05	3.16185E-05	5.9654E-05	4.44788E-05
6891	6.51724E-05	6.90281E-05	1.85946E-05	6.17959E-05	4.75328E-05	6.61047E-05	6.93921E-05	3.2763E-05	6.17959E-05	4.65243E-05
6892	6.91612E-05	7.32604E-05	1.96409E-05	6.65791E-05	5.05397E-05	7.05947E-05	7.40689E-05	3.5359E-05	6.65791E-05	4.95717E-05
6893	7.6471E-05	8.09771E-05	2.20359E-05	7.38861E-05	5.4465E-05	7.8126E-05	8.19534E-05	3.93071E-05	7.38861E-05	5.35365E-05
6894	8.34219E-05	8.82867E-05	2.46532E-05	8.01175E-05	5.52358E-05	8.49293E-05	8.90891E-05	4.27391E-05	8.01175E-05	5.42885E-05
6895	8.47497E-05	8.95327E-05	2.69692E-05	8.28763E-05	9.68388E-05	8.66392E-05	9.07603E-05	4.48416E-05	8.28763E-05	9.07437E-05
6896	7.95194E-05	8.38747E-05	2.69056E-05	7.96881E-05	9.57333E-05	8.18878E-05	8.56514E-05	4.37169E-05	7.96881E-05	8.95921E-05
6897	7.5098E-05	7.91583E-05	2.60469E-05	7.45297E-05	9.62038E-05	7.69279E-05	8.04537E-05	4.11686E-05	7.45297E-05	9.00438E-05
6898	7.36822E-05	7.76251E-05	2.60494E-05	7.23569E-05	9.65202E-05	7.50749E-05	7.85194E-05	4.014E-05	7.23569E-05	9.03425E-05
6899	7.2646E-05	7.6506E-05	2.60149E-05	7.049E-05	9.72942E-05	7.36053E-05	7.70032E-05	3.91428E-05	7.049E-05	9.111E-05
6900	7.20083E-05	7.58518E-05	2.55769E-05	7.00711E-05	9.13703E-05	7.3076E-05	7.64549E-05	3.88068E-05	7.00711E-05	8.60442E-05
6901	7.34165E-05	7.73553E-05	2.58339E-05	7.13301E-05	9.10418E-05	7.44933E-05	7.79629E-05	3.93036E-05	7.13301E-05	8.57079E-05
6902	7.47297E-05	7.87845E-05	2.57454E-05	7.29677E-05	8.93356E-05	7.60626E-05	7.96283E-05	3.98977E-05	7.29677E-05	8.3983E-05
6903	7.80096E-05	8.22761E-05	2.64685E-05	7.65024E-05	9.30479E-05	7.96038E-05	8.3349E-05	4.16195E-05	7.65024E-05	8.68011E-05
6904	8.41932E-05	8.88216E-05	2.8281E-05	8.24039E-05	8.98476E-05	8.58862E-05	8.99584E-05	4.45855E-05	8.24039E-05	8.35657E-05
6905	9.18767E-05	9.69691E-05	3.03588E-05	8.89757E-05	8.73255E-05	9.33915E-05	9.79118E-05	4.75454E-05	8.89757E-05	8.10264E-05
6906	9.94934E-05	0.000104908	3.40783E-05	9.41321E-05	8.58486E-05	0.000100002	0.000104874	5.05964E-05	9.41321E-05	7.95451E-05
6907	0.000106154	0.000111702	3.91324E-05	9.72978E-05	7.19899E-05	0.00010494	0.000110013	5.34947E-05	9.72978E-05	6.74145E-05

6908	0.000104892	0.000110221	4.05223E-05	9.42405E-05	6.02136E-05	0.000102602	0.000107524	5.26875E-05	9.42405E-05	5.74092E-05
6909	0.000100554	0.000105658	3.89033E-05	8.76083E-05	5.20202E-05	9.71704E-05	0.000101872	4.94828E-05	8.76083E-05	5.00673E-05
6910	9.34244E-05	9.82548E-05	3.50706E-05	7.96549E-05	4.6351E-05	8.96856E-05	9.40915E-05	4.49996E-05	7.96549E-05	4.52886E-05
6911	8.31947E-05	8.75788E-05	3.02335E-05	7.18384E-05	4.52549E-05	8.04005E-05	8.43532E-05	4.03119E-05	7.18384E-05	4.41882E-05
6912	7.56053E-05	7.97535E-05	2.54934E-05	6.7273E-05	4.47549E-05	7.42121E-05	7.78828E-05	3.6983E-05	6.7273E-05	4.36894E-05
6913	6.59951E-05	6.97748E-05	2.03346E-05	6.01809E-05	4.50086E-05	6.5688E-05	6.89763E-05	3.2337E-05	6.01809E-05	4.39447E-05
6914	6.41415E-05	6.79062E-05	1.86621E-05	5.96823E-05	4.5831E-05	6.45175E-05	6.7759E-05	3.16417E-05	5.96823E-05	4.47849E-05
6915	6.51214E-05	6.89744E-05	1.85757E-05	6.17223E-05	4.78463E-05	6.60428E-05	6.93287E-05	3.27161E-05	6.17223E-05	4.6835E-05
6916	6.91387E-05	7.32371E-05	1.96272E-05	6.65266E-05	5.09161E-05	7.05595E-05	7.40342E-05	3.53186E-05	6.65266E-05	4.99468E-05
6917	7.6402E-05	8.09055E-05	2.1997E-05	7.3737E-05	5.4836E-05	7.80228E-05	8.18512E-05	3.91949E-05	7.3737E-05	5.39069E-05
6918	8.33733E-05	8.8236E-05	2.46293E-05	8.00252E-05	5.56148E-05	8.48616E-05	8.90213E-05	4.26726E-05	8.00252E-05	5.46677E-05
6919	8.63848E-05	9.12939E-05	2.70797E-05	8.32171E-05	9.71196E-05	8.7828E-05	9.20498E-05	4.50103E-05	8.32171E-05	9.10261E-05
6920	8.00753E-05	8.4463E-05	2.70701E-05	8.0337E-05	9.59558E-05	8.25032E-05	8.62918E-05	4.40782E-05	8.0337E-05	8.98166E-05
6921	7.62449E-05	8.03714E-05	2.63948E-05	7.58998E-05	9.62747E-05	7.82097E-05	8.17854E-05	4.19446E-05	7.58998E-05	9.01168E-05
6922	7.48924E-05	7.89052E-05	2.64159E-05	7.38007E-05	9.65194E-05	7.64267E-05	7.9924E-05	4.09568E-05	7.38007E-05	9.03458E-05
6923	7.37441E-05	7.76675E-05	2.63477E-05	7.18008E-05	9.72195E-05	7.48321E-05	7.82779E-05	3.98848E-05	7.18008E-05	9.10406E-05
6924	7.29414E-05	7.68408E-05	2.58349E-05	7.10928E-05	9.13141E-05	7.40827E-05	7.75075E-05	3.93468E-05	7.10928E-05	8.59938E-05
6925	7.4182E-05	7.81675E-05	2.60352E-05	7.213E-05	9.09857E-05	7.53042E-05	7.88138E-05	3.9709E-05	7.213E-05	8.56586E-05
6926	7.53991E-05	7.94946E-05	2.59244E-05	7.36784E-05	8.92281E-05	7.67761E-05	8.03762E-05	4.02632E-05	7.36784E-05	8.38816E-05
6927	7.88675E-05	8.31857E-05	2.67024E-05	7.74297E-05	9.2893E-05	8.05247E-05	8.43128E-05	4.21041E-05	7.74297E-05	8.66508E-05
6928	8.50743E-05	8.97554E-05	2.85249E-05	8.33695E-05	8.96809E-05	8.68371E-05	9.09526E-05	4.50963E-05	8.33695E-05	8.34025E-05
6929	9.256E-05	9.76935E-05	3.05453E-05	8.9715E-05	8.71744E-05	9.41252E-05	9.86797E-05	4.79321E-05	8.9715E-05	8.08785E-05
6930	0.000100074	0.000105523	3.42409E-05	9.47757E-05	8.57134E-05	0.000100632	0.000105531	5.09403E-05	9.47757E-05	7.94125E-05
6931	0.000106508	0.000112077	3.92382E-05	9.77148E-05	7.19026E-05	0.000105334	0.000110422	5.37285E-05	9.77148E-05	6.73297E-05
6932	0.000105428	0.000110788	4.06755E-05	9.4846E-05	6.01103E-05	0.000103187	0.000108134	5.30164E-05	9.4846E-05	5.73081E-05
6933	9.96088E-05	0.000104626	3.89936E-05	8.80602E-05	5.18705E-05	9.674E-05	0.000101373	4.97502E-05	8.80602E-05	4.99201E-05
6934	9.39907E-05	9.88539E-05	3.52408E-05	8.03257E-05	4.62069E-05	9.03163E-05	9.47472E-05	4.53772E-05	8.03257E-05	4.51473E-05
6935	8.38103E-05	8.82307E-05	3.041E-05	7.25356E-05	4.51077E-05	8.10736E-05	8.50553E-05	4.06909E-05	7.25356E-05	4.40439E-05
6936	7.60807E-05	8.02568E-05	2.56319E-05	6.78196E-05	4.45323E-05	7.47351E-05	7.84277E-05	3.72836E-05	6.78196E-05	4.34707E-05
6937	6.59951E-05	6.97748E-05	2.03346E-05	6.01809E-05	4.50086E-05	6.5688E-05	6.89763E-05	3.2337E-05	6.01809E-05	4.39447E-05
6938	6.41415E-05	6.79062E-05	1.86621E-05	5.96823E-05	4.5831E-05	6.45175E-05	6.7759E-05	3.16417E-05	5.96823E-05	4.47849E-05
6939	6.51214E-05	6.89744E-05	1.85757E-05	6.17223E-05	4.78463E-05	6.60428E-05	6.93287E-05	3.27161E-05	6.17223E-05	4.6835E-05
6940	6.91387E-05	7.32371E-05	1.96272E-05	6.65266E-05	5.09161E-05	7.05595E-05	7.40342E-05	3.53186E-05	6.65266E-05	4.99468E-05
6941	7.6402E-05	8.09055E-05	2.1997E-05	7.3737E-05	5.4836E-05	7.80228E-05	8.18512E-05	3.91949E-05	7.3737E-05	5.39069E-05
6942	8.33733E-05	8.8236E-05	2.46293E-05	8.00252E-05	5.56148E-05	8.48616E-05	8.90213E-05	4.26726E-05	8.00252E-05	5.46677E-05
6943	8.63848E-05	9.12939E-05	2.70797E-05	8.32171E-05	9.71196E-05	8.7828E-05	9.20498E-05	4.50103E-05	8.32171E-05	9.10261E-05
6944	8.00753E-05	8.4463E-05	2.70701E-05	8.0337E-05	9.59558E-05	8.25032E-05	8.62918E-05	4.40782E-05	8.0337E-05	8.98166E-05
6945	7.62449E-05	8.03714E-05	2.63948E-05	7.58998E-05	9.62747E-05	7.82097E-05	8.17854E-05	4.19446E-05	7.58998E-05	9.01168E-05
6946	7.48924E-05	7.89052E-05	2.64159E-05	7.38007E-05	9.65194E-05	7.64267E-05	7.9924E-05	4.09568E-05	7.38007E-05	9.03458E-05
6947	7.37441E-05	7.76675E-05	2.63477E-05	7.18008E-05	9.72195E-05	7.48321E-05	7.82779E-05	3.98848E-05	7.18008E-05	9.10406E-05
6948	7.29414E-05	7.68408E-05	2.58349E-05	7.10928E-05	9.13141E-05	7.40827E-05	7.75075E-05	3.93468E-05	7.10928E-05	8.59938E-05
6949	7.4182E-05	7.81675E-05	2.60352E-05	7.213E-05	9.09857E-05	7.53042E-05	7.88138E-05	3.9709E-05	7.213E-05	8.56586E-05
6950	7.53991E-05	7.94946E-05	2.59244E-05	7.36784E-05	8.92281E-05	7.67761E-05	8.03762E-05	4.02632E-05	7.36784E-05	8.38816E-05
6951	7.88675E-05	8.31857E-05	2.67024E-05	7.74297E-05	9.2893E-05	8.05247E-05	8.43128E-05	4.21041E-05	7.74297E-05	8.66508E-05
6952	8.50743E-05	8.97554E-05	2.85249E-05	8.33695E-05	8.96809E-05	8.68371E-05	9.09526E-05	4.50963E-05	8.33695E-05	8.34025E-05
6953	9.256E-05	9.76935E-05	3.05453E-05	8.9715E-05	8.71744E-05	9.41252E-05	9.86797E-05	4.79321E-05	8.9715E-05	8.08785E-05
6954	0.000100074	0.000105523	3.42409E-05	9.47757E-05	8.57134E-05	0.000100632	0.000105531	5.09403E-05	9.47757E-05	7.94125E-05
6955	0.000106508	0.000112077	3.92382E-05	9.77148E-05	7.19026E-05	0.000105334	0.000110422	5.37285E-05	9.77148E-05	6.73297E-05
6956	0.000105428	0.000110788	4.06755E-05	9.4846E-05	6.01103E-05	0.000103187	0.000108134	5.30164E-05	9.4846E-05	5.73081E-05
6957	9.96088E-05	0.000104626	3.89936E-05	8.80602E-05	5.18705E-05	9.674E-05	0.000101373	4.97502E-05	8.80602E-05	4.99201E-05
6958	9.39907E-05	9.88539E-05	3.52408E-05	8.03257E-05	4.62069E-05	9.03163E-05	9.47472E-05	4.53772E-05	8.03257E-05	4.51473E-05
6959	8.38103E-05	8.82307E-05	3.041E-05	7.25356E-05	4.51077E-05	8.10736E-05	8.50553E-05	4.06909E-05	7.25356E-05	4.40439E-05
6960	7.60807E-05	8.02568E-05	2.56319E-05	6.78196E-05	4.45323E-05	7.47351E-05	7.84277E-05	3.72836E-05	6.78196E-05	4.34707E-05
6961	6.61094E-05	6.98968E-05	2.0356E-05	6.02682E-05	4.47453E-05	6.57966E-05	6.90928E-05	3.23659E-05	6.02682E-05	4.36847E-05
6962	6.41321E-05	6.78966E-05	1.86546E-05	5.9654E-05	4.55217E-05	6.45003E-05	6.77424E-05	3.16185E-05	5.9654E-05	4.44788E-05
6963	6.51724E-05	6.90281E-05	1.85946E-05	6.17959E-05	4.75328E-05	6.61047E-05	6.93921E-05	3.2763E-05	6.17959E-05	4.65243E-05
6964	6.91612E-05	7.32604E-05	1.96409E-05	6.65791E-05	5.05397E-05	7.05947E-05	7.40689E-05	3.5359E-05	6.65791E-05	4.95717E-05
6965	7.6471E-05	8.09771E-05	2.20359E-05	7.38861E-05	5.4465E-05	7.8126E-05	8.19534E-05	3.93071E-05	7.38861E-05	5.35365E-05
6966	8.34219E-05	8.82867E-05	2.46532E-05	8.01175E-05	5.52358E-05	8.49293E-05	8.90891E-05	4.27391E-05	8.01175E-05	5.42885E-05
6967	8.47497E-05	8.95327E-05	2.69692E-05	8.28763E-05	9.68388E-05	8.66392E-05	9.07603E-05	4.48416E-05	8.28763E-05	9.07437E-05
6968	7.95194E-05	8.38747E-05	2.69056E-05	7.96881E-05	9.57333E-05	8.18878E-05	8.56514E-05	4.37169E-05	7.96881E-05	8.95921E-05
6969	7.5098E-05	7.91583E-05	2.60469E-05	7.45297E-05	9.62038E-05	7.69279E-05	8.04537E-05	4.11686E-05	7.45297E-05	9.00438E-05
6970	7.36822E-05	7.76251E-05	2.60494E-05	7.23569E-05	9.65202E-05	7.50749E-05	7.85194E-05	4.014E-05	7.23569E-05	9.03425E-05
6971	7.2646E-05	7.6506E-05	2.60149E-05	7.049E-05	9.72942E-05	7.36053E-05	7.70032E-05	3.91428E-05	7.049E-05	9.111E-05
6972	7.20083E-05	7.58518E-05	2.55769E-05	7.00711E-05	9.13703E-05	7.3076E-05	7.64549E-05	3.88068E-05	7.00711E-05	8.60442E-05
6973	7.34165E-05	7.73553E-05	2.58339E-05	7.13301E-05	9.10418E-05	7.44933E-05	7.79629E-05	3.93036E-05	7.13301E-05	8.57079E-05
6974	7.47297E-05	7.87845E-05	2.57454E-05	7.29677E-05	8.93356E-05	7.60626E-05	7.96283E-05	3.98977E-05	7.29677E-05	8.3983E-05
6975	7.80096E-05	8.22761E-05	2.64685E-05	7.65024E-05	9.30479E-05	7.96038E-05	8.3349E-05	4.16195E-05	7.65024E-05	8.68011E-05
6976	8.41932E-05	8.88216E-05	2.8281E-05	8.24039E-05	8.98476E-05	8.58862E-05	8.99584E-05	4.45855E-05	8.24039E-05	8.35657E-05
6977	9.18767E-05	9.69691E-05	3.03588E-05	8.89757E-05	8.73255E-05	9.33915E-05	9.79118E-05	4.75454E-05	8.89757E-05	8.10264E-05
6978	9.94934E-05	0.000104908	3.40783E-05	9.41321E-05	8.58486E-05	0.000100002	0.000104874	5.05964E-05	9.41321E-05	7.95451E-05
6979	0.000106154	0.000111702	3.91324E-05	9.72978E-05	7.19899E-05	0.00010494	0.000110013	5.34947E-05	9.72978E-05	6.74145E-05
6980	0.000104892	0.000110221	4.05223E-05	9.42405E-05	6.02136E-05	0.000102602	0.000107524	5.26875E-05	9.42405E-05	5.74092E-05
6981	0.000100554	0.000105658	3.89033E-05	8.76083E-05	5.20202E-05	9.71704E-05	0.000101872	4.94828E-05	8.76083E-05	5.00673E-05
6982	9.34244E-05	9.82548E-05	3.50706E-05	7.96549E-05	4.6351E-05	8.96856E-05	9.40915E-05	4.49996E-05	7.96549E-05	4.52886E-05
6983	8.31947E-05	8.75788E-05	3.02335E-05	7.18384E-05	4.52549E-05	8.04005E-05	8.43532E-05	4.03119E-05	7.18384E-05	4.41882E-05

6984	7.56053E-05	7.97535E-05	2.54934E-05	6.7273E-05	4.47549E-05	7.42121E-05	7.78828E-05	3.6983E-05	6.7273E-05	4.36894E-05
6985	6.61094E-05	6.98968E-05	2.0356E-05	6.02682E-05	4.47453E-05	6.57966E-05	6.90928E-05	3.23659E-05	6.02682E-05	4.36847E-05
6986	6.41321E-05	6.78966E-05	1.86546E-05	5.9654E-05	4.55217E-05	6.45003E-05	6.77424E-05	3.16185E-05	5.9654E-05	4.44788E-05
6987	6.51724E-05	6.90281E-05	1.85946E-05	6.17959E-05	4.75328E-05	6.61047E-05	6.93921E-05	3.2763E-05	6.17959E-05	4.65243E-05
6988	6.91612E-05	7.32604E-05	1.96409E-05	6.65791E-05	5.05397E-05	7.05947E-05	7.40689E-05	3.5359E-05	6.65791E-05	4.95717E-05
6989	7.6471E-05	8.09771E-05	2.20359E-05	7.38861E-05	5.4465E-05	7.8126E-05	8.19534E-05	3.93071E-05	7.38861E-05	5.35365E-05
6990	8.34219E-05	8.82867E-05	2.46532E-05	8.01175E-05	5.52358E-05	8.49293E-05	8.90891E-05	4.27391E-05	8.01175E-05	5.42885E-05
6991	8.47497E-05	8.95327E-05	2.69692E-05	8.28763E-05	9.68388E-05	8.66392E-05	9.07603E-05	4.48416E-05	8.28763E-05	9.07437E-05
6992	7.95194E-05	8.38747E-05	2.69056E-05	7.96881E-05	9.57333E-05	8.18878E-05	8.56514E-05	4.37169E-05	7.96881E-05	8.95921E-05
6993	7.5098E-05	7.91583E-05	2.60469E-05	7.45297E-05	9.62038E-05	7.69279E-05	8.04537E-05	4.11686E-05	7.45297E-05	9.00438E-05
6994	7.36822E-05	7.76251E-05	2.60494E-05	7.23569E-05	9.65202E-05	7.50749E-05	7.85194E-05	4.014E-05	7.23569E-05	9.03425E-05
6995	7.2646E-05	7.6506E-05	2.60149E-05	7.049E-05	9.72942E-05	7.36053E-05	7.70032E-05	3.91428E-05	7.049E-05	9.111E-05
6996	7.20083E-05	7.58518E-05	2.55769E-05	7.00711E-05	9.13703E-05	7.3076E-05	7.64549E-05	3.88068E-05	7.00711E-05	8.60442E-05
6997	7.34165E-05	7.73553E-05	2.58339E-05	7.13301E-05	9.10418E-05	7.44933E-05	7.79629E-05	3.93036E-05	7.13301E-05	8.57079E-05
6998	7.47297E-05	7.87845E-05	2.57454E-05	7.29677E-05	8.93356E-05	7.60626E-05	7.96283E-05	3.98977E-05	7.29677E-05	8.3983E-05
6999	7.80096E-05	8.22761E-05	2.64685E-05	7.65024E-05	9.30479E-05	7.96038E-05	8.3349E-05	4.16195E-05	7.65024E-05	8.68011E-05
7000	8.41932E-05	8.88216E-05	2.8281E-05	8.24039E-05	8.98476E-05	8.58862E-05	8.99584E-05	4.45855E-05	8.24039E-05	8.35657E-05
7001	9.18767E-05	9.69691E-05	3.03588E-05	8.89757E-05	8.73255E-05	9.33915E-05	9.79118E-05	4.75454E-05	8.89757E-05	8.10264E-05
7002	9.94934E-05	0.000104908	3.40783E-05	9.41321E-05	8.58486E-05	0.000100002	0.000104874	5.05964E-05	9.41321E-05	7.95451E-05
7003	0.000106154	0.000111702	3.91324E-05	9.72978E-05	7.19899E-05	0.00010494	0.000110013	5.34947E-05	9.72978E-05	6.74145E-05
7004	0.000104892	0.000110221	4.05223E-05	9.42405E-05	6.02136E-05	0.000102602	0.000107524	5.26875E-05	9.42405E-05	5.74092E-05
7005	0.000100554	0.000105658	3.89033E-05	8.76083E-05	5.20202E-05	9.71704E-05	0.000101872	4.94828E-05	8.76083E-05	5.00673E-05
7006	9.34244E-05	9.82548E-05	3.50706E-05	7.96549E-05	4.6351E-05	8.96856E-05	9.40915E-05	4.49996E-05	7.96549E-05	4.52886E-05
7007	8.31947E-05	8.75788E-05	3.02335E-05	7.18384E-05	4.52549E-05	8.04005E-05	8.43532E-05	4.03119E-05	7.18384E-05	4.41882E-05
7008	7.56053E-05	7.97535E-05	2.54934E-05	6.7273E-05	4.47549E-05	7.42121E-05	7.78828E-05	3.6983E-05	6.7273E-05	4.36894E-05
7009	6.61094E-05	6.98968E-05	2.0356E-05	6.02682E-05	4.47453E-05	6.57966E-05	6.90928E-05	3.23659E-05	6.02682E-05	4.36847E-05
7010	6.41321E-05	6.78966E-05	1.86546E-05	5.9654E-05	4.55217E-05	6.45003E-05	6.77424E-05	3.16185E-05	5.9654E-05	4.44788E-05
7011	6.51724E-05	6.90281E-05	1.85946E-05	6.17959E-05	4.75328E-05	6.61047E-05	6.93921E-05	3.2763E-05	6.17959E-05	4.65243E-05
7012	6.91612E-05	7.32604E-05	1.96409E-05	6.65791E-05	5.05397E-05	7.05947E-05	7.40689E-05	3.5359E-05	6.65791E-05	4.95717E-05
7013	7.6471E-05	8.09771E-05	2.20359E-05	7.38861E-05	5.4465E-05	7.8126E-05	8.19534E-05	3.93071E-05	7.38861E-05	5.35365E-05
7014	8.34219E-05	8.82867E-05	2.46532E-05	8.01175E-05	5.52358E-05	8.49293E-05	8.90891E-05	4.27391E-05	8.01175E-05	5.42885E-05
7015	8.47497E-05	8.95327E-05	2.69692E-05	8.28763E-05	9.68388E-05	8.66392E-05	9.07603E-05	4.48416E-05	8.28763E-05	9.07437E-05
7016	7.95194E-05	8.38747E-05	2.69056E-05	7.96881E-05	9.57333E-05	8.18878E-05	8.56514E-05	4.37169E-05	7.96881E-05	8.95921E-05
7017	7.5098E-05	7.91583E-05	2.60469E-05	7.45297E-05	9.62038E-05	7.69279E-05	8.04537E-05	4.11686E-05	7.45297E-05	9.00438E-05
7018	7.36822E-05	7.76251E-05	2.60494E-05	7.23569E-05	9.65202E-05	7.50749E-05	7.85194E-05	4.014E-05	7.23569E-05	9.03425E-05
7019	7.2646E-05	7.6506E-05	2.60149E-05	7.049E-05	9.72942E-05	7.36053E-05	7.70032E-05	3.91428E-05	7.049E-05	9.111E-05
7020	7.20083E-05	7.58518E-05	2.55769E-05	7.00711E-05	9.13703E-05	7.3076E-05	7.64549E-05	3.88068E-05	7.00711E-05	8.60442E-05
7021	7.34165E-05	7.73553E-05	2.58339E-05	7.13301E-05	9.10418E-05	7.44933E-05	7.79629E-05	3.93036E-05	7.13301E-05	8.57079E-05
7022	7.47297E-05	7.87845E-05	2.57454E-05	7.29677E-05	8.93356E-05	7.60626E-05	7.96283E-05	3.98977E-05	7.29677E-05	8.3983E-05
7023	7.80096E-05	8.22761E-05	2.64685E-05	7.65024E-05	9.30479E-05	7.96038E-05	8.3349E-05	4.16195E-05	7.65024E-05	8.68011E-05
7024	8.41932E-05	8.88216E-05	2.8281E-05	8.24039E-05	8.98476E-05	8.58862E-05	8.99584E-05	4.45855E-05	8.24039E-05	8.35657E-05
7025	9.18767E-05	9.69691E-05	3.03588E-05	8.89757E-05	8.73255E-05	9.33915E-05	9.79118E-05	4.75454E-05	8.89757E-05	8.10264E-05
7026	9.94934E-05	0.000104908	3.40783E-05	9.41321E-05	8.58486E-05	0.000100002	0.000104874	5.05964E-05	9.41321E-05	7.95451E-05
7027	0.000106154	0.000111702	3.91324E-05	9.72978E-05	7.19899E-05	0.00010494	0.000110013	5.34947E-05	9.72978E-05	6.74145E-05
7028	0.000104892	0.000110221	4.05223E-05	9.42405E-05	6.02136E-05	0.000102602	0.000107524	5.26875E-05	9.42405E-05	5.74092E-05
7029	0.000100554	0.000105658	3.89033E-05	8.76083E-05	5.20202E-05	9.71704E-05	0.000101872	4.94828E-05	8.76083E-05	5.00673E-05
7030	9.34244E-05	9.82548E-05	3.50706E-05	7.96549E-05	4.6351E-05	8.96856E-05	9.40915E-05	4.49996E-05	7.96549E-05	4.52886E-05
7031	8.31947E-05	8.75788E-05	3.02335E-05	7.18384E-05	4.52549E-05	8.04005E-05	8.43532E-05	4.03119E-05	7.18384E-05	4.41882E-05
7032	7.56053E-05	7.97535E-05	2.54934E-05	6.7273E-05	4.47549E-05	7.42121E-05	7.78828E-05	3.6983E-05	6.7273E-05	4.36894E-05
7033	6.61094E-05	6.98968E-05	2.0356E-05	6.02682E-05	4.47453E-05	6.57966E-05	6.90928E-05	3.23659E-05	6.02682E-05	4.36847E-05
7034	6.41321E-05	6.78966E-05	1.86546E-05	5.9654E-05	4.55217E-05	6.45003E-05	6.77424E-05	3.16185E-05	5.9654E-05	4.44788E-05
7035	6.51724E-05	6.90281E-05	1.85946E-05	6.17959E-05	4.75328E-05	6.61047E-05	6.93921E-05	3.2763E-05	6.17959E-05	4.65243E-05
7036	6.91612E-05	7.32604E-05	1.96409E-05	6.65791E-05	5.05397E-05	7.05947E-05	7.40689E-05	3.5359E-05	6.65791E-05	4.95717E-05
7037	7.6471E-05	8.09771E-05	2.20359E-05	7.38861E-05	5.4465E-05	7.8126E-05	8.19534E-05	3.93071E-05	7.38861E-05	5.35365E-05
7038	8.34219E-05	8.82867E-05	2.46532E-05	8.01175E-05	5.52358E-05	8.49293E-05	8.90891E-05	4.27391E-05	8.01175E-05	5.42885E-05
7039	8.47497E-05	8.95327E-05	2.69692E-05	8.28763E-05	9.68388E-05	8.66392E-05	9.07603E-05	4.48416E-05	8.28763E-05	9.07437E-05
7040	7.95194E-05	8.38747E-05	2.69056E-05	7.96881E-05	9.57333E-05	8.18878E-05	8.56514E-05	4.37169E-05	7.96881E-05	8.95921E-05
7041	7.5098E-05	7.91583E-05	2.60469E-05	7.45297E-05	9.62038E-05	7.69279E-05	8.04537E-05	4.11686E-05	7.45297E-05	9.00438E-05
7042	7.36822E-05	7.76251E-05	2.60494E-05	7.23569E-05	9.65202E-05	7.50749E-05	7.85194E-05	4.014E-05	7.23569E-05	9.03425E-05
7043	7.2646E-05	7.6506E-05	2.60149E-05	7.049E-05	9.72942E-05	7.36053E-05	7.70032E-05	3.91428E-05	7.049E-05	9.111E-05
7044	7.20083E-05	7.58518E-05	2.55769E-05	7.00711E-05	9.13703E-05	7.3076E-05	7.64549E-05	3.88068E-05	7.00711E-05	8.60442E-05
7045	7.34165E-05	7.73553E-05	2.58339E-05	7.13301E-05	9.10418E-05	7.44933E-05	7.79629E-05	3.93036E-05	7.13301E-05	8.57079E-05
7046	7.47297E-05	7.87845E-05	2.57454E-05	7.29677E-05	8.93356E-05	7.60626E-05	7.96283E-05	3.98977E-05	7.29677E-05	8.3983E-05
7047	7.80096E-05	8.22761E-05	2.64685E-05	7.65024E-05	9.30479E-05	7.96038E-05	8.3349E-05	4.16195E-05	7.65024E-05	8.68011E-05
7048	8.41932E-05	8.88216E-05	2.8281E-05	8.24039E-05	8.98476E-05	8.58862E-05	8.99584E-05	4.45855E-05	8.24039E-05	8.35657E-05
7049	9.18767E-05	9.69691E-05	3.03588E-05	8.89757E-05	8.73255E-05	9.33915E-05	9.79118E-05	4.75454E-05	8.89757E-05	8.10264E-05
7050	9.94934E-05	0.000104908	3.40783E-05	9.41321E-05	8.58486E-05	0.000100002	0.000104874	5.05964E-05	9.41321E-05	7.95451E-05
7051	0.000106154	0.000111702	3.91324E-05	9.72978E-05	7.19899E-05	0.00010494	0.000110013	5.34947E-05	9.72978E-05	6.74145E-05
7052	0.000104892	0.000110221	4.05223E-05	9.42405E-05	6.02136E-05	0.000102602	0.000107524	5.26875E-05	9.42405E-05	5.74092E-05
7053	0.000100554	0.000105658	3.89033E-05	8.76083E-05	5.20202E-05	9.71704E-05	0.000101872	4.94828E-05	8.76083E-05	5.00673E-05
7054	9.34244E-05	9.82548E-05	3.50706E-05	7.96549E-05	4.6351E-05	8.96856E-05	9.40915E-05	4.49996E-05	7.96549E-05	4.52886E-05
7055	8.31947E-05	8.75788E-05	3.02335E-05	7.18384E-05	4.52549E-05	8.04005E-05	8.43532E-05	4.03119E-05	7.18384E-05	4.41882E-05
7056	7.56053E-05	7.97535E-05	2.54934E-05	6.7273E-05	4.47549E-05	7.42121E-05	7.78828E-05	3.6983E-05	6.7273E-05	4.36894E-05
7057	6.61094E-05	6.98968E-05	2.0356E-05	6.02682E-05	4.47453E-05	6.57966E-05	6.90928E-05	3.23659E-05	6.02682E-05	4.36847E-05
7058	6.41321E-05	6.78966E-05	1.86546E-05	5.9654E-05	4.55217E-05	6.45003E-05	6.77424E-05	3.16185E-05	5.9654E-05	4.44788E-05
7059	6.51724E-05	6.90281E-05	1.85946E-05	6.17959E-05	4.75328E-05	6.61047E-05	6.93921E-05	3.2763E-05	6.17959E-05	4.65243E-05

7060	6.91612E-05	7.32604E-05	1.96409E-05	6.65791E-05	5.05397E-05	7.05947E-05	7.40689E-05	3.5359E-05	6.65791E-05	4.95717E-05
7061	7.6471E-05	8.09771E-05	2.20359E-05	7.38861E-05	5.4465E-05	7.8126E-05	8.19534E-05	3.93071E-05	7.38861E-05	5.35365E-05
7062	8.34219E-05	8.82867E-05	2.46532E-05	8.01175E-05	5.52358E-05	8.49293E-05	8.90891E-05	4.27391E-05	8.01175E-05	5.42885E-05
7063	8.47497E-05	8.95327E-05	2.69692E-05	8.28763E-05	9.68388E-05	8.66392E-05	9.07603E-05	4.48416E-05	8.28763E-05	9.07437E-05
7064	7.95194E-05	8.38747E-05	2.69056E-05	7.96881E-05	9.57333E-05	8.18878E-05	8.56514E-05	4.37169E-05	7.96881E-05	8.95921E-05
7065	7.5098E-05	7.91583E-05	2.60469E-05	7.45297E-05	9.62038E-05	7.69279E-05	8.04537E-05	4.11686E-05	7.45297E-05	9.00438E-05
7066	7.36822E-05	7.76251E-05	2.60494E-05	7.23569E-05	9.65202E-05	7.50749E-05	7.85194E-05	4.014E-05	7.23569E-05	9.03425E-05
7067	7.2646E-05	7.6506E-05	2.60149E-05	7.049E-05	9.72942E-05	7.36053E-05	7.70032E-05	3.91428E-05	7.049E-05	9.111E-05
7068	7.20083E-05	7.58518E-05	2.55769E-05	7.00711E-05	9.13703E-05	7.3076E-05	7.64549E-05	3.88068E-05	7.00711E-05	8.60442E-05
7069	7.34165E-05	7.73553E-05	2.58339E-05	7.13301E-05	9.10418E-05	7.44933E-05	7.79629E-05	3.93036E-05	7.13301E-05	8.57079E-05
7070	7.47297E-05	7.87845E-05	2.57454E-05	7.29677E-05	8.93356E-05	7.60626E-05	7.96283E-05	3.98977E-05	7.29677E-05	8.3983E-05
7071	7.80096E-05	8.22761E-05	2.64685E-05	7.65024E-05	9.30479E-05	7.96038E-05	8.3349E-05	4.16195E-05	7.65024E-05	8.68011E-05
7072	8.41932E-05	8.88216E-05	2.8281E-05	8.24039E-05	8.98476E-05	8.58862E-05	8.99584E-05	4.45855E-05	8.24039E-05	8.35657E-05
7073	9.18767E-05	9.69691E-05	3.03588E-05	8.89757E-05	8.73255E-05	9.33915E-05	9.79118E-05	4.75454E-05	8.89757E-05	8.10264E-05
7074	9.94934E-05	0.000104908	3.40783E-05	9.41321E-05	8.58486E-05	0.000100002	0.000104874	5.05964E-05	9.41321E-05	7.95451E-05
7075	0.000106154	0.000111702	3.91324E-05	9.72978E-05	7.19899E-05	0.00010494	0.000110013	5.34947E-05	9.72978E-05	6.74145E-05
7076	0.000104892	0.000110221	4.05223E-05	9.42405E-05	6.02136E-05	0.000102602	0.000107524	5.26875E-05	9.42405E-05	5.74092E-05
7077	0.000100554	0.000105658	3.89033E-05	8.76083E-05	5.20202E-05	9.71704E-05	0.000101872	4.94828E-05	8.76083E-05	5.00673E-05
7078	9.34244E-05	9.82548E-05	3.50706E-05	7.96549E-05	4.6351E-05	8.96856E-05	9.40915E-05	4.49996E-05	7.96549E-05	4.52886E-05
7079	8.31947E-05	8.75788E-05	3.02335E-05	7.18384E-05	4.52549E-05	8.04005E-05	8.43532E-05	4.03119E-05	7.18384E-05	4.41882E-05
7080	7.56053E-05	7.97535E-05	2.54934E-05	6.7273E-05	4.47549E-05	7.42121E-05	7.78828E-05	3.6983E-05	6.7273E-05	4.36894E-05
7081	6.59951E-05	6.97748E-05	2.03346E-05	6.01809E-05	4.50086E-05	6.5688E-05	6.89763E-05	3.2337E-05	6.01809E-05	4.39447E-05
7082	6.41415E-05	6.79062E-05	1.86621E-05	5.96823E-05	4.5831E-05	6.45175E-05	6.7759E-05	3.16417E-05	5.96823E-05	4.47849E-05
7083	6.51214E-05	6.89744E-05	1.85757E-05	6.17223E-05	4.78463E-05	6.60428E-05	6.93287E-05	3.27161E-05	6.17223E-05	4.6835E-05
7084	6.91387E-05	7.32371E-05	1.96272E-05	6.65266E-05	5.09161E-05	7.05595E-05	7.40342E-05	3.53186E-05	6.65266E-05	4.99468E-05
7085	7.6402E-05	8.09055E-05	2.1997E-05	7.3737E-05	5.4836E-05	7.80228E-05	8.18512E-05	3.91949E-05	7.3737E-05	5.39069E-05
7086	8.33733E-05	8.8236E-05	2.46293E-05	8.00252E-05	5.56148E-05	8.48616E-05	8.90213E-05	4.26726E-05	8.00252E-05	5.46677E-05
7087	8.63848E-05	9.12939E-05	2.70797E-05	8.32171E-05	9.71196E-05	8.7828E-05	9.20498E-05	4.50103E-05	8.32171E-05	9.10261E-05
7088	8.00753E-05	8.4463E-05	2.70701E-05	8.0337E-05	9.59558E-05	8.25032E-05	8.62918E-05	4.40782E-05	8.0337E-05	8.98166E-05
7089	7.62449E-05	8.03714E-05	2.63948E-05	7.58998E-05	9.62747E-05	7.82097E-05	8.17854E-05	4.19446E-05	7.58998E-05	9.01168E-05
7090	7.48924E-05	7.89052E-05	2.64159E-05	7.38007E-05	9.65194E-05	7.64267E-05	7.9924E-05	4.09568E-05	7.38007E-05	9.03458E-05
7091	7.37441E-05	7.76675E-05	2.63477E-05	7.18008E-05	9.72195E-05	7.48321E-05	7.82779E-05	3.98848E-05	7.18008E-05	9.10406E-05
7092	7.29414E-05	7.68408E-05	2.58349E-05	7.10928E-05	9.13141E-05	7.40827E-05	7.75075E-05	3.93468E-05	7.10928E-05	8.59938E-05
7093	7.4182E-05	7.81675E-05	2.60352E-05	7.213E-05	9.09857E-05	7.53042E-05	7.88138E-05	3.9709E-05	7.213E-05	8.56586E-05
7094	7.53991E-05	7.94946E-05	2.59244E-05	7.36784E-05	8.92281E-05	7.67761E-05	8.03762E-05	4.02632E-05	7.36784E-05	8.38816E-05
7095	7.88675E-05	8.31857E-05	2.67024E-05	7.74297E-05	9.2893E-05	8.05247E-05	8.43128E-05	4.21041E-05	7.74297E-05	8.66508E-05
7096	8.50743E-05	8.97554E-05	2.85249E-05	8.33695E-05	8.96809E-05	8.68371E-05	9.09526E-05	4.50963E-05	8.33695E-05	8.34025E-05
7097	9.256E-05	9.76935E-05	3.05453E-05	8.9715E-05	8.71744E-05	9.41252E-05	9.86797E-05	4.79321E-05	8.9715E-05	8.08785E-05
7098	0.000100074	0.000105523	3.42409E-05	9.47757E-05	8.57134E-05	0.000100632	0.000105531	5.09403E-05	9.47757E-05	7.94125E-05
7099	0.000106508	0.000112077	3.92382E-05	9.77148E-05	7.19026E-05	0.000105334	0.000110422	5.37285E-05	9.77148E-05	6.73297E-05
7100	0.000105428	0.000110788	4.06755E-05	9.4846E-05	6.01103E-05	0.000103187	0.000108134	5.30164E-05	9.4846E-05	5.73081E-05
7101	9.96088E-05	0.000104626	3.89936E-05	8.80602E-05	5.18705E-05	9.674E-05	0.000101373	4.97502E-05	8.80602E-05	4.99201E-05
7102	9.39907E-05	9.88539E-05	3.52408E-05	8.03257E-05	4.62069E-05	9.03163E-05	9.47472E-05	4.53772E-05	8.03257E-05	4.51473E-05
7103	8.38103E-05	8.82307E-05	3.041E-05	7.25356E-05	4.51077E-05	8.10736E-05	8.50553E-05	4.06909E-05	7.25356E-05	4.40439E-05
7104	7.60807E-05	8.02568E-05	2.56319E-05	6.78196E-05	4.45323E-05	7.47351E-05	7.84277E-05	3.72836E-05	6.78196E-05	4.34707E-05
7105	6.59951E-05	6.97748E-05	2.03346E-05	6.01809E-05	4.50086E-05	6.5688E-05	6.89763E-05	3.2337E-05	6.01809E-05	4.39447E-05
7106	6.41415E-05	6.79062E-05	1.86621E-05	5.96823E-05	4.5831E-05	6.45175E-05	6.7759E-05	3.16417E-05	5.96823E-05	4.47849E-05
7107	6.51214E-05	6.89744E-05	1.85757E-05	6.17223E-05	4.78463E-05	6.60428E-05	6.93287E-05	3.27161E-05	6.17223E-05	4.6835E-05
7108	6.91387E-05	7.32371E-05	1.96272E-05	6.65266E-05	5.09161E-05	7.05595E-05	7.40342E-05	3.53186E-05	6.65266E-05	4.99468E-05
7109	7.6402E-05	8.09055E-05	2.1997E-05	7.3737E-05	5.4836E-05	7.80228E-05	8.18512E-05	3.91949E-05	7.3737E-05	5.39069E-05
7110	8.33733E-05	8.8236E-05	2.46293E-05	8.00252E-05	5.56148E-05	8.48616E-05	8.90213E-05	4.26726E-05	8.00252E-05	5.46677E-05
7111	8.63848E-05	9.12939E-05	2.70797E-05	8.32171E-05	9.71196E-05	8.7828E-05	9.20498E-05	4.50103E-05	8.32171E-05	9.10261E-05
7112	8.00753E-05	8.4463E-05	2.70701E-05	8.0337E-05	9.59558E-05	8.25032E-05	8.62918E-05	4.40782E-05	8.0337E-05	8.98166E-05
7113	7.62449E-05	8.03714E-05	2.63948E-05	7.58998E-05	9.62747E-05	7.82097E-05	8.17854E-05	4.19446E-05	7.58998E-05	9.01168E-05
7114	7.48924E-05	7.89052E-05	2.64159E-05	7.38007E-05	9.65194E-05	7.64267E-05	7.9924E-05	4.09568E-05	7.38007E-05	9.03458E-05
7115	7.37441E-05	7.76675E-05	2.63477E-05	7.18008E-05	9.72195E-05	7.48321E-05	7.82779E-05	3.98848E-05	7.18008E-05	9.10406E-05
7116	7.29414E-05	7.68408E-05	2.58349E-05	7.10928E-05	9.13141E-05	7.40827E-05	7.75075E-05	3.93468E-05	7.10928E-05	8.59938E-05
7117	7.4182E-05	7.81675E-05	2.60352E-05	7.213E-05	9.09857E-05	7.53042E-05	7.88138E-05	3.9709E-05	7.213E-05	8.56586E-05
7118	7.53991E-05	7.94946E-05	2.59244E-05	7.36784E-05	8.92281E-05	7.67761E-05	8.03762E-05	4.02632E-05	7.36784E-05	8.38816E-05
7119	7.88675E-05	8.31857E-05	2.67024E-05	7.74297E-05	9.2893E-05	8.05247E-05	8.43128E-05	4.21041E-05	7.74297E-05	8.66508E-05
7120	8.50743E-05	8.97554E-05	2.85249E-05	8.33695E-05	8.96809E-05	8.68371E-05	9.09526E-05	4.50963E-05	8.33695E-05	8.34025E-05
7121	9.256E-05	9.76935E-05	3.05453E-05	8.9715E-05	8.71744E-05	9.41252E-05	9.86797E-05	4.79321E-05	8.9715E-05	8.08785E-05
7122	0.000100074	0.000105523	3.42409E-05	9.47757E-05	8.57134E-05	0.000100632	0.000105531	5.09403E-05	9.47757E-05	7.94125E-05
7123	0.000106508	0.000112077	3.92382E-05	9.77148E-05	7.19026E-05	0.000105334	0.000110422	5.37285E-05	9.77148E-05	6.73297E-05
7124	0.000105428	0.000110788	4.06755E-05	9.4846E-05	6.01103E-05	0.000103187	0.000108134	5.30164E-05	9.4846E-05	5.73081E-05
7125	9.96088E-05	0.000104626	3.89936E-05	8.80602E-05	5.18705E-05	9.674E-05	0.000101373	4.97502E-05	8.80602E-05	4.99201E-05
7126	9.39907E-05	9.88539E-05	3.52408E-05	8.03257E-05	4.62069E-05	9.03163E-05	9.47472E-05	4.53772E-05	8.03257E-05	4.51473E-05
7127	8.38103E-05	8.82307E-05	3.041E-05	7.25356E-05	4.51077E-05	8.10736E-05	8.50553E-05	4.06909E-05	7.25356E-05	4.40439E-05
7128	7.60807E-05	8.02568E-05	2.56319E-05	6.78196E-05	4.45323E-05	7.47351E-05	7.84277E-05	3.72836E-05	6.78196E-05	4.34707E-05
7129	6.61094E-05	6.98968E-05	2.0356E-05	6.02682E-05	4.47453E-05	6.57966E-05	6.90928E-05	3.23659E-05	6.02682E-05	4.36847E-05
7130	6.41321E-05	6.78966E-05	1.86546E-05	5.9654E-05	4.55217E-05	6.45003E-05	6.77424E-05	3.16185E-05	5.9654E-05	4.44788E-05
7131	6.51724E-05	6.90281E-05	1.85946E-05	6.17959E-05	4.75328E-05	6.61047E-05	6.93921E-05	3.2763E-05	6.17959E-05	4.65243E-05
7132	6.91612E-05	7.32604E-05	1.96409E-05	6.65791E-05	5.05397E-05	7.05947E-05	7.40689E-05	3.5359E-05	6.65791E-05	4.95717E-05
7133	7.6471E-05	8.09771E-05	2.20359E-05	7.38861E-05	5.4465E-05	7.8126E-05	8.19534E-05	3.93071E-05	7.38861E-05	5.35365E-05
7134	8.34219E-05	8.82867E-05	2.46532E-05	8.01175E-05	5.52358E-05	8.49293E-05	8.90891E-05	4.27391E-05	8.01175E-05	5.42885E-05
7135	8.47497E-05	8.95327E-05	2.69692E-05	8.28763E-05	9.68388E-05	8.66392E-05	9.07603E-05	4.48416E-05	8.28763E-05	9.07437E-05

7136	7.95194E-05	8.38747E-05	2.69056E-05	7.96881E-05	9.57333E-05	8.18878E-05	8.56514E-05	4.37169E-05	7.96881E-05	8.95921E-05
7137	7.5098E-05	7.91583E-05	2.60469E-05	7.45297E-05	9.62038E-05	7.69279E-05	8.04537E-05	4.11686E-05	7.45297E-05	9.00438E-05
7138	7.36822E-05	7.76251E-05	2.60494E-05	7.23569E-05	9.65202E-05	7.50749E-05	7.85194E-05	4.014E-05	7.23569E-05	9.03425E-05
7139	7.2646E-05	7.6506E-05	2.60149E-05	7.049E-05	9.72942E-05	7.36053E-05	7.70032E-05	3.91428E-05	7.049E-05	9.111E-05
7140	7.20083E-05	7.58518E-05	2.55769E-05	7.00711E-05	9.13703E-05	7.3076E-05	7.64549E-05	3.88068E-05	7.00711E-05	8.60442E-05
7141	7.34165E-05	7.73553E-05	2.58339E-05	7.13301E-05	9.10418E-05	7.44933E-05	7.79629E-05	3.93036E-05	7.13301E-05	8.57079E-05
7142	7.47297E-05	7.87845E-05	2.57454E-05	7.29677E-05	8.93356E-05	7.60626E-05	7.96283E-05	3.98977E-05	7.29677E-05	8.3983E-05
7143	7.80096E-05	8.22761E-05	2.64685E-05	7.65024E-05	9.30479E-05	7.96038E-05	8.3349E-05	4.16195E-05	7.65024E-05	8.68011E-05
7144	8.41932E-05	8.88216E-05	2.8281E-05	8.24039E-05	8.98476E-05	8.58862E-05	8.99584E-05	4.45855E-05	8.24039E-05	8.35657E-05
7145	9.18767E-05	9.69691E-05	3.03588E-05	8.89757E-05	8.73255E-05	9.33915E-05	9.79118E-05	4.75454E-05	8.89757E-05	8.10264E-05
7146	9.94934E-05	0.000104908	3.40783E-05	9.41321E-05	8.58486E-05	0.000100002	0.000104874	5.05964E-05	9.41321E-05	7.95451E-05
7147	0.000106154	0.000111702	3.91324E-05	9.72978E-05	7.19899E-05	0.00010494	0.000110013	5.34947E-05	9.72978E-05	6.74145E-05
7148	0.000104892	0.000110221	4.05223E-05	9.42405E-05	6.02136E-05	0.000102602	0.000107524	5.26875E-05	9.42405E-05	5.74092E-05
7149	0.000100554	0.000105658	3.89033E-05	8.76083E-05	5.20202E-05	9.71704E-05	0.000101872	4.94828E-05	8.76083E-05	5.00673E-05
7150	9.34244E-05	9.82548E-05	3.50706E-05	7.96549E-05	4.6351E-05	8.96856E-05	9.40915E-05	4.49996E-05	7.96549E-05	4.52886E-05
7151	8.31947E-05	8.75788E-05	3.02335E-05	7.18384E-05	4.52549E-05	8.04005E-05	8.43532E-05	4.03119E-05	7.18384E-05	4.41882E-05
7152	7.56053E-05	7.97535E-05	2.54934E-05	6.7273E-05	4.47549E-05	7.42121E-05	7.78828E-05	3.6983E-05	6.7273E-05	4.36894E-05
7153	6.61094E-05	6.98968E-05	2.0356E-05	6.02682E-05	4.47453E-05	6.57966E-05	6.90928E-05	3.23659E-05	6.02682E-05	4.36847E-05
7154	6.41321E-05	6.78966E-05	1.86546E-05	5.9654E-05	4.55217E-05	6.45003E-05	6.77424E-05	3.16185E-05	5.9654E-05	4.44788E-05
7155	6.51724E-05	6.90281E-05	1.85946E-05	6.17959E-05	4.75328E-05	6.61047E-05	6.93921E-05	3.2763E-05	6.17959E-05	4.65243E-05
7156	6.91612E-05	7.32604E-05	1.96409E-05	6.65791E-05	5.05397E-05	7.05947E-05	7.40689E-05	3.5359E-05	6.65791E-05	4.95717E-05
7157	7.6471E-05	8.09771E-05	2.20359E-05	7.38861E-05	5.4465E-05	7.8126E-05	8.19534E-05	3.93071E-05	7.38861E-05	5.35365E-05
7158	8.34219E-05	8.82867E-05	2.46532E-05	8.01175E-05	5.52358E-05	8.49293E-05	8.90891E-05	4.27391E-05	8.01175E-05	5.42885E-05
7159	8.47497E-05	8.95327E-05	2.69692E-05	8.28763E-05	9.68388E-05	8.66392E-05	9.07603E-05	4.48416E-05	8.28763E-05	9.07437E-05
7160	7.95194E-05	8.38747E-05	2.69056E-05	7.96881E-05	9.57333E-05	8.18878E-05	8.56514E-05	4.37169E-05	7.96881E-05	8.95921E-05
7161	7.5098E-05	7.91583E-05	2.60469E-05	7.45297E-05	9.62038E-05	7.69279E-05	8.04537E-05	4.11686E-05	7.45297E-05	9.00438E-05
7162	7.36822E-05	7.76251E-05	2.60494E-05	7.23569E-05	9.65202E-05	7.50749E-05	7.85194E-05	4.014E-05	7.23569E-05	9.03425E-05
7163	7.2646E-05	7.6506E-05	2.60149E-05	7.049E-05	9.72942E-05	7.36053E-05	7.70032E-05	3.91428E-05	7.049E-05	9.111E-05
7164	7.20083E-05	7.58518E-05	2.55769E-05	7.00711E-05	9.13703E-05	7.3076E-05	7.64549E-05	3.88068E-05	7.00711E-05	8.60442E-05
7165	7.34165E-05	7.73553E-05	2.58339E-05	7.13301E-05	9.10418E-05	7.44933E-05	7.79629E-05	3.93036E-05	7.13301E-05	8.57079E-05
7166	7.47297E-05	7.87845E-05	2.57454E-05	7.29677E-05	8.93356E-05	7.60626E-05	7.96283E-05	3.98977E-05	7.29677E-05	8.3983E-05
7167	7.80096E-05	8.22761E-05	2.64685E-05	7.65024E-05	9.30479E-05	7.96038E-05	8.3349E-05	4.16195E-05	7.65024E-05	8.68011E-05
7168	8.41932E-05	8.88216E-05	2.8281E-05	8.24039E-05	8.98476E-05	8.58862E-05	8.99584E-05	4.45855E-05	8.24039E-05	8.35657E-05
7169	9.18767E-05	9.69691E-05	3.03588E-05	8.89757E-05	8.73255E-05	9.33915E-05	9.79118E-05	4.75454E-05	8.89757E-05	8.10264E-05
7170	9.94934E-05	0.000104908	3.40783E-05	9.41321E-05	8.58486E-05	0.000100002	0.000104874	5.05964E-05	9.41321E-05	7.95451E-05
7171	0.000106154	0.000111702	3.91324E-05	9.72978E-05	7.19899E-05	0.00010494	0.000110013	5.34947E-05	9.72978E-05	6.74145E-05
7172	0.000104892	0.000110221	4.05223E-05	9.42405E-05	6.02136E-05	0.000102602	0.000107524	5.26875E-05	9.42405E-05	5.74092E-05
7173	0.000100554	0.000105658	3.89033E-05	8.76083E-05	5.20202E-05	9.71704E-05	0.000101872	4.94828E-05	8.76083E-05	5.00673E-05
7174	9.34244E-05	9.82548E-05	3.50706E-05	7.96549E-05	4.6351E-05	8.96856E-05	9.40915E-05	4.49996E-05	7.96549E-05	4.52886E-05
7175	8.31947E-05	8.75788E-05	3.02335E-05	7.18384E-05	4.52549E-05	8.04005E-05	8.43532E-05	4.03119E-05	7.18384E-05	4.41882E-05
7176	7.56053E-05	7.97535E-05	2.54934E-05	6.7273E-05	4.47549E-05	7.42121E-05	7.78828E-05	3.6983E-05	6.7273E-05	4.36894E-05
7177	6.61094E-05	6.98968E-05	2.0356E-05	6.02682E-05	4.47453E-05	6.57966E-05	6.90928E-05	3.23659E-05	6.02682E-05	4.36847E-05
7178	6.41321E-05	6.78966E-05	1.86546E-05	5.9654E-05	4.55217E-05	6.45003E-05	6.77424E-05	3.16185E-05	5.9654E-05	4.44788E-05
7179	6.51724E-05	6.90281E-05	1.85946E-05	6.17959E-05	4.75328E-05	6.61047E-05	6.93921E-05	3.2763E-05	6.17959E-05	4.65243E-05
7180	6.91612E-05	7.32604E-05	1.96409E-05	6.65791E-05	5.05397E-05	7.05947E-05	7.40689E-05	3.5359E-05	6.65791E-05	4.95717E-05
7181	7.6471E-05	8.09771E-05	2.20359E-05	7.38861E-05	5.4465E-05	7.8126E-05	8.19534E-05	3.93071E-05	7.38861E-05	5.35365E-05
7182	8.34219E-05	8.82867E-05	2.46532E-05	8.01175E-05	5.52358E-05	8.49293E-05	8.90891E-05	4.27391E-05	8.01175E-05	5.42885E-05
7183	8.47497E-05	8.95327E-05	2.69692E-05	8.28763E-05	9.68388E-05	8.66392E-05	9.07603E-05	4.48416E-05	8.28763E-05	9.07437E-05
7184	7.95194E-05	8.38747E-05	2.69056E-05	7.96881E-05	9.57333E-05	8.18878E-05	8.56514E-05	4.37169E-05	7.96881E-05	8.95921E-05
7185	7.5098E-05	7.91583E-05	2.60469E-05	7.45297E-05	9.62038E-05	7.69279E-05	8.04537E-05	4.11686E-05	7.45297E-05	9.00438E-05
7186	7.36822E-05	7.76251E-05	2.60494E-05	7.23569E-05	9.65202E-05	7.50749E-05	7.85194E-05	4.014E-05	7.23569E-05	9.03425E-05
7187	7.2646E-05	7.6506E-05	2.60149E-05	7.049E-05	9.72942E-05	7.36053E-05	7.70032E-05	3.91428E-05	7.049E-05	9.111E-05
7188	7.20083E-05	7.58518E-05	2.55769E-05	7.00711E-05	9.13703E-05	7.3076E-05	7.64549E-05	3.88068E-05	7.00711E-05	8.60442E-05
7189	7.34165E-05	7.73553E-05	2.58339E-05	7.13301E-05	9.10418E-05	7.44933E-05	7.79629E-05	3.93036E-05	7.13301E-05	8.57079E-05
7190	7.47297E-05	7.87845E-05	2.57454E-05	7.29677E-05	8.93356E-05	7.60626E-05	7.96283E-05	3.98977E-05	7.29677E-05	8.3983E-05
7191	7.80096E-05	8.22761E-05	2.64685E-05	7.65024E-05	9.30479E-05	7.96038E-05	8.3349E-05	4.16195E-05	7.65024E-05	8.68011E-05
7192	8.41932E-05	8.88216E-05	2.8281E-05	8.24039E-05	8.98476E-05	8.58862E-05	8.99584E-05	4.45855E-05	8.24039E-05	8.35657E-05
7193	9.18767E-05	9.69691E-05	3.03588E-05	8.89757E-05	8.73255E-05	9.33915E-05	9.79118E-05	4.75454E-05	8.89757E-05	8.10264E-05
7194	9.94934E-05	0.000104908	3.40783E-05	9.41321E-05	8.58486E-05	0.000100002	0.000104874	5.05964E-05	9.41321E-05	7.95451E-05
7195	0.000106154	0.000111702	3.91324E-05	9.72978E-05	7.19899E-05	0.00010494	0.000110013	5.34947E-05	9.72978E-05	6.74145E-05
7196	0.000104892	0.000110221	4.05223E-05	9.42405E-05	6.02136E-05	0.000102602	0.000107524	5.26875E-05	9.42405E-05	5.74092E-05
7197	0.000100554	0.000105658	3.89033E-05	8.76083E-05	5.20202E-05	9.71704E-05	0.000101872	4.94828E-05	8.76083E-05	5.00673E-05
7198	9.34244E-05	9.82548E-05	3.50706E-05	7.96549E-05	4.6351E-05	8.96856E-05	9.40915E-05	4.49996E-05	7.96549E-05	4.52886E-05
7199	8.31947E-05	8.75788E-05	3.02335E-05	7.18384E-05	4.52549E-05	8.04005E-05	8.43532E-05	4.03119E-05	7.18384E-05	4.41882E-05
7200	7.56053E-05	7.97535E-05	2.54934E-05	6.7273E-05	4.47549E-05	7.42121E-05	7.78828E-05	3.6983E-05	6.7273E-05	4.36894E-05
7201	6.61094E-05	6.98968E-05	2.0356E-05	6.02682E-05	4.47453E-05	6.57966E-05	6.90928E-05	3.23659E-05	6.02682E-05	4.36847E-05
7202	6.41321E-05	6.78966E-05	1.86546E-05	5.9654E-05	4.55217E-05	6.45003E-05	6.77424E-05	3.16185E-05	5.9654E-05	4.44788E-05
7203	6.51724E-05	6.90281E-05	1.85946E-05	6.17959E-05	4.75328E-05	6.61047E-05	6.93921E-05	3.2763E-05	6.17959E-05	4.65243E-05
7204	6.91612E-05	7.32604E-05	1.96409E-05	6.65791E-05	5.05397E-05	7.05947E-05	7.40689E-05	3.5359E-05	6.65791E-05	4.95717E-05
7205	7.6471E-05	8.09771E-05	2.20359E-05	7.38861E-05	5.4465E-05	7.8126E-05	8.19534E-05	3.93071E-05	7.38861E-05	5.35365E-05
7206	8.34219E-05	8.82867E-05	2.46532E-05	8.01175E-05	5.52358E-05	8.49293E-05	8.90891E-05	4.27391E-05	8.01175E-05	5.42885E-05
7207	8.47497E-05	8.95327E-05	2.69692E-05	8.28763E-05	9.68388E-05	8.66392E-05	9.07603E-05	4.48416E-05	8.28763E-05	9.07437E-05
7208	7.95194E-05	8.38747E-05	2.69056E-05	7.96881E-05	9.57333E-05	8.18878E-05	8.56514E-05	4.37169E-05	7.96881E-05	8.95921E-05
7209	7.5098E-05	7.91583E-05	2.60469E-05	7.45297E-05	9.62038E-05	7.69279E-05	8.04537E-05	4.11686E-05	7.45297E-05	9.00438E-05
7210	7.36822E-05	7.76251E-05	2.60494E-05	7.23569E-05	9.65202E-05	7.50749E-05	7.85194E-05	4.014E-05	7.23569E-05	9.03425E-05
7211	7.2646E-05	7.6506E-05	2.60149E-05	7.049E-05	9.72942E-05	7.36053E-05	7.70032E-05	3.91428E-05	7.049E-05	9.111E-05

7212	7.20083E-05	7.58518E-05	2.55769E-05	7.00711E-05	9.13703E-05	7.3076E-05	7.64549E-05	3.88068E-05	7.00711E-05	8.60442E-05
7213	7.34165E-05	7.73553E-05	2.58339E-05	7.13301E-05	9.10418E-05	7.44933E-05	7.79629E-05	3.93036E-05	7.13301E-05	8.57079E-05
7214	7.47297E-05	7.87845E-05	2.57454E-05	7.29677E-05	8.93356E-05	7.60626E-05	7.96283E-05	3.98977E-05	7.29677E-05	8.3983E-05
7215	7.80096E-05	8.22761E-05	2.64685E-05	7.65024E-05	9.30479E-05	7.96038E-05	8.3349E-05	4.16195E-05	7.65024E-05	8.68011E-05
7216	8.41932E-05	8.88216E-05	2.8281E-05	8.24039E-05	8.98476E-05	8.58862E-05	8.99584E-05	4.45855E-05	8.24039E-05	8.35657E-05
7217	9.18767E-05	9.69691E-05	3.03588E-05	8.89757E-05	8.73255E-05	9.33915E-05	9.79118E-05	4.75454E-05	8.89757E-05	8.10264E-05
7218	9.94934E-05	0.000104908	3.40783E-05	9.41321E-05	8.58486E-05	0.000100002	0.000104874	5.05964E-05	9.41321E-05	7.95451E-05
7219	0.000106154	0.000111702	3.91324E-05	9.72978E-05	7.19899E-05	0.00010494	0.000110013	5.34947E-05	9.72978E-05	6.74145E-05
7220	0.000104892	0.000110221	4.05223E-05	9.42405E-05	6.02136E-05	0.000102602	0.000107524	5.26875E-05	9.42405E-05	5.74092E-05
7221	0.000100554	0.000105658	3.89033E-05	8.76083E-05	5.20202E-05	9.71704E-05	0.000101872	4.94828E-05	8.76083E-05	5.00673E-05
7222	9.34244E-05	9.82548E-05	3.50706E-05	7.96549E-05	4.6351E-05	8.96856E-05	9.40915E-05	4.49996E-05	7.96549E-05	4.52886E-05
7223	8.31947E-05	8.75788E-05	3.02335E-05	7.18384E-05	4.52549E-05	8.04005E-05	8.43532E-05	4.03119E-05	7.18384E-05	4.41882E-05
7224	7.56053E-05	7.97535E-05	2.54934E-05	6.7273E-05	4.47549E-05	7.42121E-05	7.78828E-05	3.6983E-05	6.7273E-05	4.36894E-05
7225	6.61094E-05	6.98968E-05	2.0356E-05	6.02682E-05	4.47453E-05	6.57966E-05	6.90928E-05	3.23659E-05	6.02682E-05	4.36847E-05
7226	6.41321E-05	6.78966E-05	1.86546E-05	5.9654E-05	4.55217E-05	6.45003E-05	6.77424E-05	3.16185E-05	5.9654E-05	4.44788E-05
7227	6.51724E-05	6.90281E-05	1.85946E-05	6.17959E-05	4.75328E-05	6.61047E-05	6.93921E-05	3.2763E-05	6.17959E-05	4.65243E-05
7228	6.91612E-05	7.32604E-05	1.96409E-05	6.65791E-05	5.05397E-05	7.05947E-05	7.40689E-05	3.5359E-05	6.65791E-05	4.95717E-05
7229	7.6471E-05	8.09771E-05	2.20359E-05	7.38861E-05	5.4465E-05	7.8126E-05	8.19534E-05	3.93071E-05	7.38861E-05	5.35365E-05
7230	8.34219E-05	8.82867E-05	2.46532E-05	8.01175E-05	5.52358E-05	8.49293E-05	8.90891E-05	4.27391E-05	8.01175E-05	5.42885E-05
7231	8.47497E-05	8.95327E-05	2.69692E-05	8.28763E-05	9.68388E-05	8.66392E-05	9.07603E-05	4.48416E-05	8.28763E-05	9.07437E-05
7232	7.95194E-05	8.38747E-05	2.69056E-05	7.96881E-05	9.57333E-05	8.18878E-05	8.56514E-05	4.37169E-05	7.96881E-05	8.95921E-05
7233	7.5098E-05	7.91583E-05	2.60469E-05	7.45297E-05	9.62038E-05	7.69279E-05	8.04537E-05	4.11686E-05	7.45297E-05	9.00438E-05
7234	7.36822E-05	7.76251E-05	2.60494E-05	7.23569E-05	9.65202E-05	7.50749E-05	7.85194E-05	4.014E-05	7.23569E-05	9.03425E-05
7235	7.2646E-05	7.6506E-05	2.60149E-05	7.049E-05	9.72942E-05	7.36053E-05	7.70032E-05	3.91428E-05	7.049E-05	9.111E-05
7236	7.20083E-05	7.58518E-05	2.55769E-05	7.00711E-05	9.13703E-05	7.3076E-05	7.64549E-05	3.88068E-05	7.00711E-05	8.60442E-05
7237	7.34165E-05	7.73553E-05	2.58339E-05	7.13301E-05	9.10418E-05	7.44933E-05	7.79629E-05	3.93036E-05	7.13301E-05	8.57079E-05
7238	7.47297E-05	7.87845E-05	2.57454E-05	7.29677E-05	8.93356E-05	7.60626E-05	7.96283E-05	3.98977E-05	7.29677E-05	8.3983E-05
7239	7.80096E-05	8.22761E-05	2.64685E-05	7.65024E-05	9.30479E-05	7.96038E-05	8.3349E-05	4.16195E-05	7.65024E-05	8.68011E-05
7240	8.41932E-05	8.88216E-05	2.8281E-05	8.24039E-05	8.98476E-05	8.58862E-05	8.99584E-05	4.45855E-05	8.24039E-05	8.35657E-05
7241	9.18767E-05	9.69691E-05	3.03588E-05	8.89757E-05	8.73255E-05	9.33915E-05	9.79118E-05	4.75454E-05	8.89757E-05	8.10264E-05
7242	9.94934E-05	0.000104908	3.40783E-05	9.41321E-05	8.58486E-05	0.000100002	0.000104874	5.05964E-05	9.41321E-05	7.95451E-05
7243	0.000106154	0.000111702	3.91324E-05	9.72978E-05	7.19899E-05	0.00010494	0.000110013	5.34947E-05	9.72978E-05	6.74145E-05
7244	0.000104892	0.000110221	4.05223E-05	9.42405E-05	6.02136E-05	0.000102602	0.000107524	5.26875E-05	9.42405E-05	5.74092E-05
7245	0.000100554	0.000105658	3.89033E-05	8.76083E-05	5.20202E-05	9.71704E-05	0.000101872	4.94828E-05	8.76083E-05	5.00673E-05
7246	9.34244E-05	9.82548E-05	3.50706E-05	7.96549E-05	4.6351E-05	8.96856E-05	9.40915E-05	4.49996E-05	7.96549E-05	4.52886E-05
7247	8.31947E-05	8.75788E-05	3.02335E-05	7.18384E-05	4.52549E-05	8.04005E-05	8.43532E-05	4.03119E-05	7.18384E-05	4.41882E-05
7248	7.56053E-05	7.97535E-05	2.54934E-05	6.7273E-05	4.47549E-05	7.42121E-05	7.78828E-05	3.6983E-05	6.7273E-05	4.36894E-05
7249	6.59951E-05	6.97748E-05	2.03346E-05	6.01809E-05	4.50086E-05	6.5688E-05	6.89763E-05	3.2337E-05	6.01809E-05	4.39447E-05
7250	6.41415E-05	6.79062E-05	1.86621E-05	5.96823E-05	4.5831E-05	6.45175E-05	6.7759E-05	3.16417E-05	5.96823E-05	4.47849E-05
7251	6.51214E-05	6.89744E-05	1.85757E-05	6.17223E-05	4.78463E-05	6.60428E-05	6.93287E-05	3.27161E-05	6.17223E-05	4.6835E-05
7252	6.91387E-05	7.32371E-05	1.96272E-05	6.65266E-05	5.09161E-05	7.05595E-05	7.40342E-05	3.53186E-05	6.65266E-05	4.99468E-05
7253	7.6402E-05	8.09055E-05	2.1997E-05	7.3737E-05	5.4836E-05	7.80228E-05	8.18512E-05	3.91949E-05	7.3737E-05	5.39069E-05
7254	8.33733E-05	8.8236E-05	2.46293E-05	8.00252E-05	5.56148E-05	8.48616E-05	8.90213E-05	4.26726E-05	8.00252E-05	5.46677E-05
7255	8.63848E-05	9.12939E-05	2.70797E-05	8.32171E-05	9.71196E-05	8.7828E-05	9.20498E-05	4.50103E-05	8.32171E-05	9.10261E-05
7256	8.00753E-05	8.4463E-05	2.70701E-05	8.0337E-05	9.59558E-05	8.25032E-05	8.62918E-05	4.40782E-05	8.0337E-05	8.98166E-05
7257	7.62449E-05	8.03714E-05	2.63948E-05	7.58998E-05	9.62747E-05	7.82097E-05	8.17854E-05	4.19446E-05	7.58998E-05	9.01168E-05
7258	7.48924E-05	7.89052E-05	2.64159E-05	7.38007E-05	9.65194E-05	7.64267E-05	7.9924E-05	4.09568E-05	7.38007E-05	9.03458E-05
7259	7.37441E-05	7.76675E-05	2.63477E-05	7.18008E-05	9.72195E-05	7.48321E-05	7.82779E-05	3.98848E-05	7.18008E-05	9.10406E-05
7260	7.29414E-05	7.68408E-05	2.58349E-05	7.10928E-05	9.13141E-05	7.40827E-05	7.75075E-05	3.93468E-05	7.10928E-05	8.59938E-05
7261	7.4182E-05	7.81675E-05	2.60352E-05	7.213E-05	9.09857E-05	7.53042E-05	7.88138E-05	3.9709E-05	7.213E-05	8.56586E-05
7262	7.53991E-05	7.94946E-05	2.59244E-05	7.36784E-05	8.92281E-05	7.67761E-05	8.03762E-05	4.02632E-05	7.36784E-05	8.38816E-05
7263	7.88675E-05	8.31857E-05	2.67024E-05	7.74297E-05	9.2893E-05	8.05247E-05	8.43128E-05	4.21041E-05	7.74297E-05	8.66508E-05
7264	8.50743E-05	8.97554E-05	2.85249E-05	8.33695E-05	8.96809E-05	8.68371E-05	9.09526E-05	4.50963E-05	8.33695E-05	8.34025E-05
7265	9.256E-05	9.76935E-05	3.05453E-05	8.9715E-05	8.71744E-05	9.41252E-05	9.86797E-05	4.79321E-05	8.9715E-05	8.08785E-05
7266	0.000100074	0.000105523	3.42409E-05	9.47757E-05	8.57134E-05	0.000100632	0.000105531	5.09403E-05	9.47757E-05	7.94125E-05
7267	0.000106508	0.000112077	3.92382E-05	9.77148E-05	7.19026E-05	0.000105334	0.000110422	5.37285E-05	9.77148E-05	6.73297E-05
7268	0.000105428	0.000110788	4.06755E-05	9.4846E-05	6.01103E-05	0.000103187	0.000108134	5.30164E-05	9.4846E-05	5.73081E-05
7269	9.96088E-05	0.000104626	3.89936E-05	8.80602E-05	5.18705E-05	9.674E-05	0.000101373	4.97502E-05	8.80602E-05	4.99201E-05
7270	9.39907E-05	9.88539E-05	3.52408E-05	8.03257E-05	4.62069E-05	9.03163E-05	9.47472E-05	4.53772E-05	8.03257E-05	4.51473E-05
7271	8.38103E-05	8.82307E-05	3.041E-05	7.25356E-05	4.51077E-05	8.10736E-05	8.50553E-05	4.06909E-05	7.25356E-05	4.40439E-05
7272	7.60807E-05	8.02568E-05	2.56319E-05	6.78196E-05	4.45323E-05	7.47351E-05	7.84277E-05	3.72836E-05	6.78196E-05	4.34707E-05
7273	6.59951E-05	6.97748E-05	2.03346E-05	6.01809E-05	4.50086E-05	6.5688E-05	6.89763E-05	3.2337E-05	6.01809E-05	4.39447E-05
7274	6.41415E-05	6.79062E-05	1.86621E-05	5.96823E-05	4.5831E-05	6.45175E-05	6.7759E-05	3.16417E-05	5.96823E-05	4.47849E-05
7275	6.51214E-05	6.89744E-05	1.85757E-05	6.17223E-05	4.78463E-05	6.60428E-05	6.93287E-05	3.27161E-05	6.17223E-05	4.6835E-05
7276	6.91387E-05	7.32371E-05	1.96272E-05	6.65266E-05	5.09161E-05	7.05595E-05	7.40342E-05	3.53186E-05	6.65266E-05	4.99468E-05
7277	7.6402E-05	8.09055E-05	2.1997E-05	7.3737E-05	5.4836E-05	7.80228E-05	8.18512E-05	3.91949E-05	7.3737E-05	5.39069E-05
7278	8.33733E-05	8.8236E-05	2.46293E-05	8.00252E-05	5.56148E-05	8.48616E-05	8.90213E-05	4.26726E-05	8.00252E-05	5.46677E-05
7279	8.63848E-05	9.12939E-05	2.70797E-05	8.32171E-05	9.71196E-05	8.7828E-05	9.20498E-05	4.50103E-05	8.32171E-05	9.10261E-05
7280	8.00753E-05	8.4463E-05	2.70701E-05	8.0337E-05	9.59558E-05	8.25032E-05	8.62918E-05	4.40782E-05	8.0337E-05	8.98166E-05
7281	7.62449E-05	8.03714E-05	2.63948E-05	7.58998E-05	9.62747E-05	7.82097E-05	8.17854E-05	4.19446E-05	7.58998E-05	9.01168E-05
7282	7.48924E-05	7.89052E-05	2.64159E-05	7.38007E-05	9.65194E-05	7.64267E-05	7.9924E-05	4.09568E-05	7.38007E-05	9.03458E-05
7283	7.37441E-05	7.76675E-05	2.63477E-05	7.18008E-05	9.72195E-05	7.48321E-05	7.82779E-05	3.98848E-05	7.18008E-05	9.10406E-05
7284	7.29414E-05	7.68408E-05	2.58349E-05	7.10928E-05	9.13141E-05	7.40827E-05	7.75075E-05	3.93468E-05	7.10928E-05	8.59938E-05
7285	7.4182E-05	7.81675E-05	2.60352E-05	7.213E-05	9.09857E-05	7.53042E-05	7.88138E-05	3.9709E-05	7.213E-05	8.56586E-05
7286	7.53991E-05	7.94946E-05	2.59244E-05	7.36784E-05	8.92281E-05	7.67761E-05	8.03762E-05	4.02632E-05	7.36784E-05	8.38816E-05
7287	7.88675E-05	8.31857E-05	2.67024E-05	7.74297E-05	9.2893E-05	8.05247E-05	8.43128E-05	4.21041E-05	7.74297E-05	8.66508E-05

7288	8.50743E-05	8.97554E-05	2.85249E-05	8.33695E-05	8.96809E-05	8.68371E-05	9.09526E-05	4.50963E-05	8.33695E-05	8.34025E-05
7289	9.256E-05	9.76935E-05	3.05453E-05	8.9715E-05	8.71744E-05	9.41252E-05	9.86797E-05	4.79321E-05	8.9715E-05	8.08785E-05
7290	0.000100074	0.000105523	3.42409E-05	9.47757E-05	8.57134E-05	0.000100632	0.000105531	5.09403E-05	9.47757E-05	7.94125E-05
7291	0.000106508	0.000112077	3.92382E-05	9.77148E-05	7.19026E-05	0.000105334	0.000110422	5.37285E-05	9.77148E-05	6.73297E-05
7292	0.000105428	0.000110788	4.06755E-05	9.4846E-05	6.01103E-05	0.000103187	0.000108134	5.30164E-05	9.4846E-05	5.73081E-05
7293	9.96088E-05	0.000104626	3.89936E-05	8.80602E-05	5.18705E-05	9.674E-05	0.000101373	4.97502E-05	8.80602E-05	4.99201E-05
7294	9.39907E-05	9.88539E-05	3.52408E-05	8.03257E-05	4.62069E-05	9.03163E-05	9.47472E-05	4.53772E-05	8.03257E-05	4.51473E-05
7295	8.38103E-05	8.82307E-05	3.041E-05	7.25356E-05	4.51077E-05	8.10736E-05	8.50553E-05	4.06909E-05	7.25356E-05	4.40439E-05
7296	7.60807E-05	8.02568E-05	2.56319E-05	6.78196E-05	4.45323E-05	7.47351E-05	7.84277E-05	3.72836E-05	6.78196E-05	4.34707E-05
7297	6.61094E-05	6.98968E-05	2.0356E-05	6.02682E-05	4.47453E-05	6.57966E-05	6.90928E-05	3.23659E-05	6.02682E-05	4.36847E-05
7298	6.41321E-05	6.78966E-05	1.86546E-05	5.9654E-05	4.55217E-05	6.45003E-05	6.77424E-05	3.16185E-05	5.9654E-05	4.44788E-05
7299	6.51724E-05	6.90281E-05	1.85946E-05	6.17959E-05	4.75328E-05	6.61047E-05	6.93921E-05	3.2763E-05	6.17959E-05	4.65243E-05
7300	6.91612E-05	7.32604E-05	1.96409E-05	6.65791E-05	5.05397E-05	7.05947E-05	7.40689E-05	3.5359E-05	6.65791E-05	4.95717E-05
7301	7.6471E-05	8.09771E-05	2.20359E-05	7.38861E-05	5.4465E-05	7.8126E-05	8.19534E-05	3.93071E-05	7.38861E-05	5.35365E-05
7302	8.34219E-05	8.82867E-05	2.46532E-05	8.01175E-05	5.52358E-05	8.49293E-05	8.90891E-05	4.27391E-05	8.01175E-05	5.42885E-05
7303	8.47497E-05	8.95327E-05	2.69692E-05	8.28763E-05	9.68388E-05	8.66392E-05	9.07603E-05	4.48416E-05	8.28763E-05	9.07437E-05
7304	7.95194E-05	8.38747E-05	2.69056E-05	7.96881E-05	9.57333E-05	8.18878E-05	8.56514E-05	4.37169E-05	7.96881E-05	8.95921E-05
7305	7.5098E-05	7.91583E-05	2.60469E-05	7.45297E-05	9.62038E-05	7.69279E-05	8.04537E-05	4.11686E-05	7.45297E-05	9.00438E-05
7306	7.36822E-05	7.76251E-05	2.60494E-05	7.23569E-05	9.65202E-05	7.50749E-05	7.85194E-05	4.014E-05	7.23569E-05	9.03425E-05
7307	7.2646E-05	7.6506E-05	2.60149E-05	7.049E-05	9.72942E-05	7.36053E-05	7.70032E-05	3.91428E-05	7.049E-05	9.111E-05
7308	7.20083E-05	7.58518E-05	2.55769E-05	7.00711E-05	9.13703E-05	7.3076E-05	7.64549E-05	3.88068E-05	7.00711E-05	8.60442E-05
7309	7.34165E-05	7.73553E-05	2.58339E-05	7.13301E-05	9.10418E-05	7.44933E-05	7.79629E-05	3.93036E-05	7.13301E-05	8.57079E-05
7310	7.47297E-05	7.87845E-05	2.57454E-05	7.29677E-05	8.93356E-05	7.60626E-05	7.96283E-05	3.98977E-05	7.29677E-05	8.3983E-05
7311	7.80096E-05	8.22761E-05	2.64685E-05	7.65024E-05	9.30479E-05	7.96038E-05	8.3349E-05	4.16195E-05	7.65024E-05	8.68011E-05
7312	8.41932E-05	8.88216E-05	2.8281E-05	8.24039E-05	8.98476E-05	8.58862E-05	8.99584E-05	4.45855E-05	8.24039E-05	8.35657E-05
7313	9.18767E-05	9.69691E-05	3.03588E-05	8.89757E-05	8.73255E-05	9.33915E-05	9.79118E-05	4.75454E-05	8.89757E-05	8.10264E-05
7314	9.94934E-05	0.000104908	3.40783E-05	9.41321E-05	8.58486E-05	0.000100002	0.000104874	5.05964E-05	9.41321E-05	7.95451E-05
7315	0.000106154	0.000111702	3.91324E-05	9.72978E-05	7.19899E-05	0.00010494	0.000110013	5.34947E-05	9.72978E-05	6.74145E-05
7316	0.000104892	0.000110221	4.05223E-05	9.42405E-05	6.02136E-05	0.000102602	0.000107524	5.26875E-05	9.42405E-05	5.74092E-05
7317	0.000100554	0.000105658	3.89033E-05	8.76083E-05	5.20202E-05	9.71704E-05	0.000101872	4.94828E-05	8.76083E-05	5.00673E-05
7318	9.34244E-05	9.82548E-05	3.50706E-05	7.96549E-05	4.6351E-05	8.96856E-05	9.40915E-05	4.49996E-05	7.96549E-05	4.52886E-05
7319	8.31947E-05	8.75788E-05	3.02335E-05	7.18384E-05	4.52549E-05	8.04005E-05	8.43532E-05	4.03119E-05	7.18384E-05	4.41882E-05
7320	7.56053E-05	7.97535E-05	2.54934E-05	6.7273E-05	4.47549E-05	7.42121E-05	7.78828E-05	3.6983E-05	6.7273E-05	4.36894E-05
7321	7.6942E-05	8.13426E-05	2.37813E-05	7.37264E-05	4.25104E-05	7.8105E-05	8.18419E-05	4.02037E-05	7.37264E-05	4.14941E-05
7322	7.45215E-05	7.88679E-05	2.20156E-05	7.28432E-05	4.28944E-05	7.64149E-05	8.00632E-05	3.94122E-05	7.28432E-05	4.18866E-05
7323	7.40101E-05	7.83561E-05	2.15077E-05	7.32162E-05	4.38803E-05	7.6318E-05	7.99393E-05	3.95901E-05	7.32162E-05	4.28918E-05
7324	7.69812E-05	8.15125E-05	2.22415E-05	7.67695E-05	4.59813E-05	7.96651E-05	8.34297E-05	4.14836E-05	7.67695E-05	4.50237E-05
7325	8.39674E-05	8.88857E-05	2.45522E-05	8.37415E-05	4.83965E-05	8.68548E-05	9.09556E-05	4.52635E-05	8.37415E-05	4.74714E-05
7326	9.27247E-05	9.81151E-05	2.76063E-05	9.17182E-05	4.85303E-05	9.55162E-05	0.000100052	4.95123E-05	9.17182E-05	4.75784E-05
7327	9.55936E-05	0.000100994	3.03485E-05	9.6165E-05	8.93492E-05	9.88889E-05	0.000103462	5.25072E-05	9.6165E-05	8.32403E-05
7328	9.33911E-05	9.85537E-05	3.10249E-05	9.59311E-05	8.76971E-05	9.72633E-05	0.000101649	5.27803E-05	9.59311E-05	8.1533E-05
7329	9.08215E-05	9.57993E-05	3.06871E-05	9.28334E-05	8.78783E-05	9.4314E-05	9.85515E-05	5.1336E-05	9.28334E-05	8.17074E-05
7330	8.8948E-05	9.38093E-05	3.02218E-05	8.88925E-05	8.81074E-05	9.14737E-05	9.56815E-05	4.8798E-05	8.88925E-05	8.19292E-05
7331	8.78696E-05	9.26605E-05	2.99943E-05	8.63059E-05	8.89523E-05	8.96962E-05	9.38947E-05	4.71149E-05	8.63059E-05	8.27744E-05
7332	8.59872E-05	9.07009E-05	2.90434E-05	8.38976E-05	8.34262E-05	8.75801E-05	9.17347E-05	4.54431E-05	8.38976E-05	7.81112E-05
7333	8.54722E-05	9.01506E-05	2.89546E-05	8.37413E-05	8.39349E-05	8.71916E-05	9.13018E-05	4.55052E-05	8.37413E-05	7.86196E-05
7334	8.57541E-05	9.04757E-05	2.87158E-05	8.47504E-05	8.3293E-05	8.78434E-05	9.19696E-05	4.59943E-05	8.47504E-05	7.79696E-05
7335	8.78406E-05	9.27047E-05	2.90809E-05	8.68742E-05	8.80464E-05	9.00566E-05	9.43095E-05	4.69231E-05	8.68742E-05	8.18448E-05
7336	9.42651E-05	9.95086E-05	3.09224E-05	9.28997E-05	8.55002E-05	9.65444E-05	0.000101144	4.98913E-05	9.28997E-05	7.92671E-05
7337	0.000103902	0.000109719	3.36374E-05	0.000101971	8.37308E-05	0.000106298	0.000111421	5.43357E-05	0.000101971	7.74749E-05
7338	0.00011323	0.000119472	3.78265E-05	0.000108988	8.23196E-05	0.00011475	0.000120309	5.83643E-05	0.000108988	7.60486E-05
7339	0.000120025	0.000126409	4.29038E-05	0.000112249	6.84332E-05	0.000119812	0.000125582	6.12895E-05	0.000112249	6.38819E-05
7340	0.000119523	0.000125732	4.4526E-05	0.000110106	5.72288E-05	0.000118326	0.000123978	6.10029E-05	0.000110106	5.44471E-05
7341	0.000117078	0.000123172	4.34648E-05	0.000105674	4.96759E-05	0.000114986	0.000120504	5.90191E-05	0.000105674	4.77514E-05
7342	0.000110612	0.00011647	3.98375E-05	9.85293E-05	4.4554E-05	0.000108249	0.000113499	5.50004E-05	9.85293E-05	4.35268E-05
7343	9.93667E-05	0.000104712	3.47985E-05	8.98935E-05	4.32481E-05	9.79823E-05	0.000102712	5.00123E-05	8.98935E-05	4.22089E-05
7344	9.03032E-05	9.53134E-05	2.97788E-05	8.41892E-05	4.23095E-05	9.03887E-05	9.47361E-05	4.6297E-05	8.41892E-05	4.12623E-05
7345	7.6942E-05	8.13426E-05	2.37813E-05	7.37264E-05	4.25104E-05	7.8105E-05	8.18419E-05	4.02037E-05	7.37264E-05	4.14941E-05
7346	7.45215E-05	7.88679E-05	2.20156E-05	7.28432E-05	4.28944E-05	7.64149E-05	8.00632E-05	3.94122E-05	7.28432E-05	4.18866E-05
7347	7.40101E-05	7.83561E-05	2.15077E-05	7.32162E-05	4.38803E-05	7.6318E-05	7.99393E-05	3.95901E-05	7.32162E-05	4.28918E-05
7348	7.69812E-05	8.15125E-05	2.22415E-05	7.67695E-05	4.59813E-05	7.96651E-05	8.34297E-05	4.14836E-05	7.67695E-05	4.50237E-05
7349	8.39674E-05	8.88857E-05	2.45522E-05	8.37415E-05	4.83965E-05	8.68548E-05	9.09556E-05	4.52635E-05	8.37415E-05	4.74714E-05
7350	9.27247E-05	9.81151E-05	2.76063E-05	9.17182E-05	4.85303E-05	9.55162E-05	0.000100052	4.95123E-05	9.17182E-05	4.75784E-05
7351	9.55936E-05	0.000100994	3.03485E-05	9.6165E-05	8.93492E-05	9.88889E-05	0.000103462	5.25072E-05	9.6165E-05	8.32403E-05
7352	9.33911E-05	9.85537E-05	3.10249E-05	9.59311E-05	8.76971E-05	9.72633E-05	0.000101649	5.27803E-05	9.59311E-05	8.1533E-05
7353	9.08215E-05	9.57993E-05	3.06871E-05	9.28334E-05	8.78783E-05	9.4314E-05	9.85515E-05	5.1336E-05	9.28334E-05	8.17074E-05
7354	8.8948E-05	9.38093E-05	3.02218E-05	8.88925E-05	8.81074E-05	9.14737E-05	9.56815E-05	4.8798E-05	8.88925E-05	8.19292E-05
7355	8.78696E-05	9.26605E-05	2.99943E-05	8.63059E-05	8.89523E-05	8.96962E-05	9.38947E-05	4.71149E-05	8.63059E-05	8.27744E-05
7356	8.59872E-05	9.07009E-05	2.90434E-05	8.38976E-05	8.34262E-05	8.75801E-05	9.17347E-05	4.54431E-05	8.38976E-05	7.81112E-05
7357	8.54722E-05	9.01506E-05	2.89546E-05	8.37413E-05	8.39349E-05	8.71916E-05	9.13018E-05	4.55052E-05	8.37413E-05	7.86196E-05
7358	8.57541E-05	9.04757E-05	2.87158E-05	8.47504E-05	8.3293E-05	8.78434E-05	9.19696E-05	4.59943E-05	8.47504E-05	7.79696E-05
7359	8.78406E-05	9.27047E-05	2.90809E-05	8.68742E-05	8.80464E-05	9.00566E-05	9.43095E-05	4.69231E-05	8.68742E-05	8.18448E-05
7360	9.42651E-05	9.95086E-05	3.09224E-05	9.28997E-05	8.55002E-05	9.65444E-05	0.000101144	4.98913E-05	9.28997E-05	7.92671E-05
7361	0.000103902	0.000109719	3.36374E-05	0.000101971	8.37308E-05	0.000106298	0.000111421	5.43357E-05	0.000101971	7.74749E-05
7362	0.00011323	0.000119472	3.78265E-05	0.000108988	8.23196E-05	0.00011475	0.000120309	5.83643E-05	0.000108988	7.60486E-05
7363	0.000120025	0.000126409	4.29038E-05	0.000112249	6.84332E-05	0.000119812	0.000125582	6.12895E-05	0.000112249	6.38819E-05

7364	0.000119523	0.000125732	4.4526E-05	0.000110106	5.72288E-05	0.000118326	0.000123978	6.10029E-05	0.000110106	5.44471E-05
7365	0.000117078	0.000123172	4.34648E-05	0.000105674	4.96759E-05	0.000114986	0.000120504	5.90191E-05	0.000105674	4.77514E-05
7366	0.000110612	0.00011647	3.98375E-05	9.85293E-05	4.4554E-05	0.000108249	0.000113499	5.50004E-05	9.85293E-05	4.35268E-05
7367	9.93667E-05	0.000104712	3.47985E-05	8.98935E-05	4.32481E-05	0.79823E-05	0.000102712	5.00123E-05	8.98935E-05	4.22089E-05
7368	9.03032E-05	9.53134E-05	2.97788E-05	8.41892E-05	4.23095E-05	9.03887E-05	9.47361E-05	4.6297E-05	8.41892E-05	4.12623E-05
7369	7.6942E-05	8.13426E-05	2.37813E-05	7.37264E-05	4.25104E-05	7.8105E-05	8.18419E-05	4.02037E-05	7.37264E-05	4.14941E-05
7370	7.45215E-05	7.88679E-05	2.20156E-05	7.28432E-05	4.28944E-05	7.64149E-05	8.00632E-05	3.94122E-05	7.28432E-05	4.18866E-05
7371	7.40101E-05	7.83561E-05	2.15077E-05	7.32162E-05	4.38803E-05	7.6318E-05	7.99393E-05	3.95901E-05	7.32162E-05	4.28918E-05
7372	7.69812E-05	8.15125E-05	2.22415E-05	7.67695E-05	4.59813E-05	7.96651E-05	8.34297E-05	4.14836E-05	7.67695E-05	4.50237E-05
7373	8.39674E-05	8.88857E-05	2.45522E-05	8.37415E-05	4.83965E-05	8.68548E-05	9.09556E-05	4.52635E-05	8.37415E-05	4.74714E-05
7374	9.27247E-05	9.81151E-05	2.76063E-05	9.17182E-05	4.85303E-05	9.55162E-05	0.000100052	4.95123E-05	9.17182E-05	4.75784E-05
7375	9.55936E-05	0.000100994	3.03485E-05	9.6165E-05	8.93492E-05	9.88889E-05	0.000103462	5.25072E-05	9.6165E-05	8.32403E-05
7376	9.33911E-05	9.85537E-05	3.10249E-05	9.59311E-05	8.76971E-05	9.72633E-05	0.000101649	5.27803E-05	9.59311E-05	8.1533E-05
7377	9.08215E-05	9.57993E-05	3.06871E-05	9.28334E-05	8.78783E-05	9.4314E-05	9.85515E-05	5.1336E-05	9.28334E-05	8.17074E-05
7378	8.8948E-05	9.38093E-05	3.02218E-05	8.88925E-05	8.81074E-05	9.14737E-05	9.56815E-05	4.8798E-05	8.88925E-05	8.19292E-05
7379	8.78696E-05	9.26605E-05	2.99943E-05	8.63059E-05	8.89523E-05	8.96962E-05	9.38947E-05	4.71149E-05	8.63059E-05	8.27744E-05
7380	8.59872E-05	9.07009E-05	2.90434E-05	8.38976E-05	8.34262E-05	8.75801E-05	9.17347E-05	4.54431E-05	8.38976E-05	7.81112E-05
7381	8.54722E-05	9.01506E-05	2.89546E-05	8.37413E-05	8.39349E-05	8.71916E-05	9.13018E-05	4.55052E-05	8.37413E-05	7.86196E-05
7382	8.57541E-05	9.04757E-05	2.87158E-05	8.47504E-05	8.3293E-05	8.78434E-05	9.19696E-05	4.59943E-05	8.47504E-05	7.79696E-05
7383	8.78406E-05	9.27047E-05	2.90809E-05	8.68742E-05	8.80464E-05	9.00566E-05	9.43095E-05	4.69231E-05	8.68742E-05	8.18448E-05
7384	9.42651E-05	9.95086E-05	3.09224E-05	9.28997E-05	8.55002E-05	9.65444E-05	0.000101144	4.98913E-05	9.28997E-05	7.92671E-05
7385	0.000103902	0.000109719	3.36374E-05	0.000101971	8.37308E-05	0.000106298	0.000111421	5.43357E-05	0.000101971	7.74749E-05
7386	0.00011323	0.000119472	3.78265E-05	0.000108988	8.23196E-05	0.00011475	0.000120309	5.83643E-05	0.000108988	7.60486E-05
7387	0.000120025	0.000126409	4.29038E-05	0.000112249	6.84332E-05	0.000119812	0.000125582	6.12895E-05	0.000112249	6.38819E-05
7388	0.000119523	0.000125732	4.4526E-05	0.000110106	5.72288E-05	0.000118326	0.000123978	6.10029E-05	0.000110106	5.44471E-05
7389	0.000117078	0.000123172	4.34648E-05	0.000105674	4.96759E-05	0.000114986	0.000120504	5.90191E-05	0.000105674	4.77514E-05
7390	0.000110612	0.00011647	3.98375E-05	9.85293E-05	4.4554E-05	0.000108249	0.000113499	5.50004E-05	9.85293E-05	4.35268E-05
7391	9.93667E-05	0.000104712	3.47985E-05	8.98935E-05	4.32481E-05	9.79823E-05	0.000102712	5.00123E-05	8.98935E-05	4.22089E-05
7392	9.03032E-05	9.53134E-05	2.97788E-05	8.41892E-05	4.23095E-05	9.03887E-05	9.47361E-05	4.6297E-05	8.41892E-05	4.12623E-05
7393	7.6942E-05	8.13426E-05	2.37813E-05	7.37264E-05	4.25104E-05	7.8105E-05	8.18419E-05	4.02037E-05	7.37264E-05	4.14941E-05
7394	7.45215E-05	7.88679E-05	2.20156E-05	7.28432E-05	4.28944E-05	7.64149E-05	8.00632E-05	3.94122E-05	7.28432E-05	4.18866E-05
7395	7.40101E-05	7.83561E-05	2.15077E-05	7.32162E-05	4.38803E-05	7.6318E-05	7.99393E-05	3.95901E-05	7.32162E-05	4.28918E-05
7396	7.69812E-05	8.15125E-05	2.22415E-05	7.67695E-05	4.59813E-05	7.96651E-05	8.34297E-05	4.14836E-05	7.67695E-05	4.50237E-05
7397	8.39674E-05	8.88857E-05	2.45522E-05	8.37415E-05	4.83965E-05	8.68548E-05	9.09556E-05	4.52635E-05	8.37415E-05	4.74714E-05
7398	9.27247E-05	9.81151E-05	2.76063E-05	9.17182E-05	4.85303E-05	9.55162E-05	0.000100052	4.95123E-05	9.17182E-05	4.75784E-05
7399	9.55936E-05	0.000100994	3.03485E-05	9.6165E-05	8.93492E-05	9.88889E-05	0.000103462	5.25072E-05	9.6165E-05	8.32403E-05
7400	9.33911E-05	9.85537E-05	3.10249E-05	9.59311E-05	8.76971E-05	9.72633E-05	0.000101649	5.27803E-05	9.59311E-05	8.1533E-05
7401	9.08215E-05	9.57993E-05	3.06871E-05	9.28334E-05	8.78783E-05	9.4314E-05	9.85515E-05	5.1336E-05	9.28334E-05	8.17074E-05
7402	8.8948E-05	9.38093E-05	3.02218E-05	8.88925E-05	8.81074E-05	9.14737E-05	9.56815E-05	4.8798E-05	8.88925E-05	8.19292E-05
7403	8.78696E-05	9.26605E-05	2.99943E-05	8.63059E-05	8.89523E-05	8.96962E-05	9.38947E-05	4.71149E-05	8.63059E-05	8.27744E-05
7404	8.59872E-05	9.07009E-05	2.90434E-05	8.38976E-05	8.34262E-05	8.75801E-05	9.17347E-05	4.54431E-05	8.38976E-05	7.81112E-05
7405	8.54722E-05	9.01506E-05	2.89546E-05	8.37413E-05	8.39349E-05	8.71916E-05	9.13018E-05	4.55052E-05	8.37413E-05	7.86196E-05
7406	8.57541E-05	9.04757E-05	2.87158E-05	8.47504E-05	8.3293E-05	8.78434E-05	9.19696E-05	4.59943E-05	8.47504E-05	7.79696E-05
7407	8.78406E-05	9.27047E-05	2.90809E-05	8.68742E-05	8.80464E-05	9.00566E-05	9.43095E-05	4.69231E-05	8.68742E-05	8.18448E-05
7408	9.42651E-05	9.95086E-05	3.09224E-05	9.28997E-05	8.55002E-05	9.65444E-05	0.000101144	4.98913E-05	9.28997E-05	7.92671E-05
7409	0.000103902	0.000109719	3.36374E-05	0.000101971	8.37308E-05	0.000106298	0.000111421	5.43357E-05	0.000101971	7.74749E-05
7410	0.00011323	0.000119472	3.78265E-05	0.000108988	8.23196E-05	0.00011475	0.000120309	5.83643E-05	0.000108988	7.60486E-05
7411	0.000120025	0.000126409	4.29038E-05	0.000112249	6.84332E-05	0.000119812	0.000125582	6.12895E-05	0.000112249	6.38819E-05
7412	0.000119523	0.000125732	4.4526E-05	0.000110106	5.72288E-05	0.000118326	0.000123978	6.10029E-05	0.000110106	5.44471E-05
7413	0.000117078	0.000123172	4.34648E-05	0.000105674	4.96759E-05	0.000114986	0.000120504	5.90191E-05	0.000105674	4.77514E-05
7414	0.000110612	0.00011647	3.98375E-05	9.85293E-05	4.4554E-05	0.000108249	0.000113499	5.50004E-05	9.85293E-05	4.35268E-05
7415	9.93667E-05	0.000104712	3.47985E-05	8.98935E-05	4.32481E-05	9.79823E-05	0.000102712	5.00123E-05	8.98935E-05	4.22089E-05
7416	9.03032E-05	9.53134E-05	2.97788E-05	8.41892E-05	4.23095E-05	9.03887E-05	9.47361E-05	4.6297E-05	8.41892E-05	4.12623E-05
7417	7.78062E-05	8.22618E-05	2.39813E-05	7.45282E-05	4.21208E-05	7.8981E-05	8.2769E-05	4.05619E-05	7.45282E-05	4.10965E-05
7418	7.44001E-05	7.87372E-05	2.2005E-05	7.27958E-05	4.29653E-05	7.63172E-05	7.99546E-05	3.9426E-05	7.27958E-05	4.196E-05
7419	7.39222E-05	7.82611E-05	2.15067E-05	7.32064E-05	4.39847E-05	7.62568E-05	7.98687E-05	3.96241E-05	7.32064E-05	4.29991E-05
7420	7.69304E-05	8.14555E-05	2.2266E-05	7.68569E-05	4.61324E-05	7.9666E-05	8.34197E-05	4.15947E-05	7.68569E-05	4.51782E-05
7421	8.39319E-05	8.88462E-05	2.45658E-05	8.37895E-05	4.85991E-05	8.68503E-05	9.09443E-05	4.53282E-05	8.37895E-05	4.7678E-05
7422	9.25994E-05	9.79814E-05	2.75832E-05	9.16239E-05	4.88462E-05	9.53978E-05	9.9925E-05	4.94819E-05	9.16239E-05	4.78995E-05
7423	9.68753E-05	0.000102381	3.03584E-05	9.61079E-05	8.99183E-05	9.96923E-05	0.000104349	5.24607E-05	9.61079E-05	8.38181E-05
7424	9.29587E-05	9.80945E-05	3.09162E-05	9.54981E-05	8.85196E-05	9.68126E-05	0.000101175	5.25698E-05	9.54981E-05	8.23672E-05
7425	9.0083E-05	9.50113E-05	3.05469E-05	9.22621E-05	8.86992E-05	9.36098E-05	9.7797E-05	5.11417E-05	9.22621E-05	8.25392E-05
7426	8.78689E-05	9.26627E-05	2.99583E-05	8.78402E-05	8.88836E-05	9.036E-05	9.45069E-05	4.83005E-05	8.78402E-05	8.27149E-05
7427	8.6503E-05	9.12075E-05	2.96704E-05	8.501E-05	8.97027E-05	8.83E-05	9.24193E-05	4.6521E-05	8.501E-05	8.3533E-05
7428	8.45703E-05	8.91936E-05	2.87193E-05	8.25974E-05	8.41867E-05	8.61494E-05	9.02195E-05	4.48699E-05	8.25974E-05	7.88793E-05
7429	8.41568E-05	8.8753E-05	2.86337E-05	8.24598E-05	8.4697E-05	8.58344E-05	8.98705E-05	4.49E-05	8.24598E-05	7.93879E-05
7430	8.41695E-05	8.8791E-05	2.83406E-05	8.32489E-05	8.38976E-05	8.62249E-05	9.02594E-05	4.53066E-05	8.32489E-05	7.85778E-05
7431	8.6863E-05	9.16653E-05	2.88492E-05	8.59471E-05	8.85446E-05	8.90578E-05	9.32541E-05	4.64981E-05	8.59471E-05	8.23453E-05
7432	9.33596E-05	9.85496E-05	3.06618E-05	9.18702E-05	8.59082E-05	9.55528E-05	0.00010011	4.933E-05	9.18702E-05	7.96771E-05
7433	0.000103303	0.000109085	3.34582E-05	0.000101265	8.40666E-05	0.000105632	0.000110729	5.39396E-05	0.000101265	7.78127E-05
7434	0.000112423	0.000118618	3.75891E-05	0.000108052	8.25829E-05	0.000113858	0.000119381	5.78455E-05	0.000108052	7.6314E-05
7435	0.000119292	0.000125632	4.27046E-05	0.000111459	6.86816E-05	0.000119026	0.00012476	6.0878E-05	0.000111459	6.41326E-05
7436	0.000118824	0.000124991	4.43203E-05	0.000109295	5.7459E-05	0.000117553	0.000123173	6.05534E-05	0.000109295	5.46801E-05
7437	0.000114886	0.00012082	4.31959E-05	0.000104708	4.98736E-05	0.00011319	0.000118581	5.85127E-05	0.000104708	4.79517E-05
7438	0.000109931	0.000115749	3.96417E-05	9.77555E-05	4.47173E-05	0.000107503	0.000112721	5.45787E-05	9.77555E-05	4.36925E-05
7439	9.88742E-05	0.000104191	3.46396E-05	8.92698E-05	4.32914E-05	9.74181E-05	0.000102128	4.96444E-05	8.92698E-05	4.22524E-05

7440	8.9954E-05	9.49443E-05	2.9669E-05	8.37576E-05	4.21905E-05	8.99928E-05	9.43258E-05	4.60466E-05	8.37576E-05	4.11412E-05
7441	7.78062E-05	8.22618E-05	2.39813E-05	7.45282E-05	4.21208E-05	7.8981E-05	8.2769E-05	4.05619E-05	7.45282E-05	4.10965E-05
7442	7.44001E-05	7.87372E-05	2.2005E-05	7.27958E-05	4.29653E-05	7.63172E-05	7.99546E-05	3.9426E-05	7.27958E-05	4.196E-05
7443	7.39222E-05	7.82611E-05	2.15067E-05	7.32064E-05	4.39847E-05	7.62568E-05	7.98687E-05	3.96241E-05	7.32064E-05	4.29991E-05
7444	7.69304E-05	8.14555E-05	2.2266E-05	7.68569E-05	4.61324E-05	7.9666E-05	8.34197E-05	4.15947E-05	7.68569E-05	4.51782E-05
7445	8.39319E-05	8.88462E-05	2.45658E-05	8.37895E-05	4.85991E-05	8.68503E-05	9.09443E-05	4.53282E-05	8.37895E-05	4.7678E-05
7446	9.25994E-05	9.79814E-05	2.75832E-05	9.16239E-05	4.88462E-05	9.53978E-05	9.9925E-05	4.94819E-05	9.16239E-05	4.78995E-05
7447	9.68753E-05	0.000102381	3.03584E-05	9.61079E-05	8.99183E-05	9.96923E-05	0.000104349	5.24607E-05	9.61079E-05	8.38181E-05
7448	9.29587E-05	9.80945E-05	3.09162E-05	9.54981E-05	8.85196E-05	9.68126E-05	0.000101175	5.25698E-05	9.54981E-05	8.23672E-05
7449	9.0083E-05	9.50113E-05	3.05469E-05	9.22621E-05	8.86992E-05	9.36098E-05	9.7797E-05	5.11417E-05	9.22621E-05	8.25392E-05
7450	8.78689E-05	9.26627E-05	2.99583E-05	8.78402E-05	8.88836E-05	9.036E-05	9.45069E-05	4.83005E-05	8.78402E-05	8.27149E-05
7451	8.6503E-05	9.12075E-05	2.96704E-05	8.501E-05	8.97027E-05	8.83E-05	9.24193E-05	4.6521E-05	8.501E-05	8.3533E-05
7452	8.45703E-05	8.91936E-05	2.87193E-05	8.25974E-05	8.41867E-05	8.61494E-05	9.02195E-05	4.48699E-05	8.25974E-05	7.88793E-05
7453	8.41568E-05	8.8753E-05	2.86337E-05	8.24598E-05	8.4697E-05	8.58344E-05	8.98705E-05	4.49E-05	8.24598E-05	7.93879E-05
7454	8.41695E-05	8.8791E-05	2.83406E-05	8.32489E-05	8.38976E-05	8.62249E-05	9.02594E-05	4.53066E-05	8.32489E-05	7.85778E-05
7455	8.6863E-05	9.16653E-05	2.88492E-05	8.59471E-05	8.85446E-05	8.90578E-05	9.32541E-05	4.64981E-05	8.59471E-05	8.23453E-05
7456	9.33596E-05	9.85496E-05	3.06618E-05	9.18702E-05	8.59082E-05	9.55528E-05	0.00010011	4.933E-05	9.18702E-05	7.96771E-05
7457	0.000103303	0.000109085	3.34582E-05	0.000101265	8.40666E-05	0.000105632	0.000110729	5.39396E-05	0.000101265	7.78127E-05
7458	0.000112423	0.000118618	3.75891E-05	0.000108052	8.25829E-05	0.000113858	0.000119381	5.78455E-05	0.000108052	7.6314E-05
7459	0.000119292	0.000125632	4.27046E-05	0.000111459	6.86816E-05	0.000119026	0.00012476	6.0878E-05	0.000111459	6.41326E-05
7460	0.000118824	0.000124991	4.43203E-05	0.000109295	5.7459E-05	0.000117553	0.000123173	6.05534E-05	0.000109295	5.46801E-05
7461	0.000114886	0.00012082	4.31959E-05	0.000104708	4.98736E-05	0.00011319	0.000118581	5.85127E-05	0.000104708	4.79517E-05
7462	0.000109931	0.000115749	3.96417E-05	9.77555E-05	4.47173E-05	0.000107503	0.000112721	5.45787E-05	9.77555E-05	4.36925E-05
7463	9.88742E-05	0.000104191	3.46396E-05	8.92698E-05	4.32914E-05	9.74181E-05	0.000102128	4.96444E-05	8.92698E-05	4.22524E-05
7464	8.9954E-05	9.49443E-05	2.9669E-05	8.37576E-05	4.21905E-05	8.99928E-05	9.43258E-05	4.60466E-05	8.37576E-05	4.11412E-05
7465	7.6942E-05	8.13426E-05	2.37813E-05	7.37264E-05	4.25104E-05	7.8105E-05	8.18419E-05	4.02037E-05	7.37264E-05	4.14941E-05
7466	7.45215E-05	7.88679E-05	2.20156E-05	7.28432E-05	4.28944E-05	7.64149E-05	8.00632E-05	3.94122E-05	7.28432E-05	4.18866E-05
7467	7.40101E-05	7.83561E-05	2.15077E-05	7.32162E-05	4.38803E-05	7.6318E-05	7.99393E-05	3.95901E-05	7.32162E-05	4.28918E-05
7468	7.69812E-05	8.15125E-05	2.22415E-05	7.67695E-05	4.59813E-05	7.96651E-05	8.34297E-05	4.14836E-05	7.67695E-05	4.50237E-05
7469	8.39674E-05	8.88857E-05	2.45522E-05	8.37415E-05	4.83965E-05	8.68548E-05	9.09556E-05	4.52635E-05	8.37415E-05	4.74714E-05
7470	9.27247E-05	9.81151E-05	2.76063E-05	9.17182E-05	4.85303E-05	9.55162E-05	0.000100052	4.95123E-05	9.17182E-05	4.75784E-05
7471	9.55936E-05	0.000100994	3.03485E-05	9.6165E-05	8.93492E-05	9.88889E-05	0.000103462	5.25072E-05	9.6165E-05	8.32403E-05
7472	9.33911E-05	9.85537E-05	3.10249E-05	9.59311E-05	8.76971E-05	9.72633E-05	0.000101649	5.27803E-05	9.59311E-05	8.1533E-05
7473	9.08215E-05	9.57993E-05	3.06871E-05	9.28334E-05	8.78783E-05	9.4314E-05	9.85515E-05	5.1336E-05	9.28334E-05	8.17074E-05
7474	8.8948E-05	9.38093E-05	3.02218E-05	8.88925E-05	8.81074E-05	9.14737E-05	9.56815E-05	4.8798E-05	8.88925E-05	8.19292E-05
7475	8.78696E-05	9.26605E-05	2.99943E-05	8.63059E-05	8.89523E-05	8.96962E-05	9.38947E-05	4.71149E-05	8.63059E-05	8.27744E-05
7476	8.59872E-05	9.07009E-05	2.90434E-05	8.38976E-05	8.34262E-05	8.75801E-05	9.17347E-05	4.54431E-05	8.38976E-05	7.81112E-05
7477	8.54722E-05	9.01506E-05	2.89546E-05	8.37413E-05	8.39349E-05	8.71916E-05	9.13018E-05	4.55052E-05	8.37413E-05	7.86196E-05
7478	8.57541E-05	9.04757E-05	2.87158E-05	8.47504E-05	8.3293E-05	8.78434E-05	9.19696E-05	4.59943E-05	8.47504E-05	7.79696E-05
7479	8.78406E-05	9.27047E-05	2.90809E-05	8.68742E-05	8.80464E-05	9.00566E-05	9.43095E-05	4.69231E-05	8.68742E-05	8.18448E-05
7480	9.42651E-05	9.95086E-05	3.09224E-05	9.28997E-05	8.55002E-05	9.65444E-05	0.000101144	4.98913E-05	9.28997E-05	7.92671E-05
7481	0.000103902	0.000109719	3.36374E-05	0.000101971	8.37308E-05	0.000106298	0.000111421	5.43357E-05	0.000101971	7.74749E-05
7482	0.00011323	0.000119472	3.78265E-05	0.000108988	8.23196E-05	0.00011475	0.000120309	5.83643E-05	0.000108988	7.60486E-05
7483	0.000120025	0.000126409	4.29038E-05	0.000112249	6.84332E-05	0.000119812	0.000125582	6.12895E-05	0.000112249	6.38819E-05
7484	0.000119523	0.000125732	4.4526E-05	0.000110106	5.72288E-05	0.000118326	0.000123978	6.10029E-05	0.000110106	5.44471E-05
7485	0.000117078	0.000123172	4.34648E-05	0.000105674	4.96759E-05	0.000114986	0.000120504	5.90191E-05	0.000105674	4.77514E-05
7486	0.000110612	0.00011647	3.98375E-05	9.85293E-05	4.4554E-05	0.000108249	0.000113499	5.50004E-05	9.85293E-05	4.35268E-05
7487	9.93667E-05	0.000104712	3.47985E-05	8.98935E-05	4.32481E-05	9.79823E-05	0.000102712	5.00123E-05	8.98935E-05	4.22089E-05
7488	9.03032E-05	9.53134E-05	2.97788E-05	8.41892E-05	4.23095E-05	9.03887E-05	9.47361E-05	4.6297E-05	8.41892E-05	4.12623E-05
7489	7.6942E-05	8.13426E-05	2.37813E-05	7.37264E-05	4.25104E-05	7.8105E-05	8.18419E-05	4.02037E-05	7.37264E-05	4.14941E-05
7490	7.45215E-05	7.88679E-05	2.20156E-05	7.28432E-05	4.28944E-05	7.64149E-05	8.00632E-05	3.94122E-05	7.28432E-05	4.18866E-05
7491	7.40101E-05	7.83561E-05	2.15077E-05	7.32162E-05	4.38803E-05	7.6318E-05	7.99393E-05	3.95901E-05	7.32162E-05	4.28918E-05
7492	7.69812E-05	8.15125E-05	2.22415E-05	7.67695E-05	4.59813E-05	7.96651E-05	8.34297E-05	4.14836E-05	7.67695E-05	4.50237E-05
7493	8.39674E-05	8.88857E-05	2.45522E-05	8.37415E-05	4.83965E-05	8.68548E-05	9.09556E-05	4.52635E-05	8.37415E-05	4.74714E-05
7494	9.27247E-05	9.81151E-05	2.76063E-05	9.17182E-05	4.85303E-05	9.55162E-05	0.000100052	4.95123E-05	9.17182E-05	4.75784E-05
7495	9.55936E-05	0.000100994	3.03485E-05	9.6165E-05	8.93492E-05	9.88889E-05	0.000103462	5.25072E-05	9.6165E-05	8.32403E-05
7496	9.33911E-05	9.85537E-05	3.10249E-05	9.59311E-05	8.76971E-05	9.72633E-05	0.000101649	5.27803E-05	9.59311E-05	8.1533E-05
7497	9.08215E-05	9.57993E-05	3.06871E-05	9.28334E-05	8.78783E-05	9.4314E-05	9.85515E-05	5.1336E-05	9.28334E-05	8.17074E-05
7498	8.8948E-05	9.38093E-05	3.02218E-05	8.88925E-05	8.81074E-05	9.14737E-05	9.56815E-05	4.8798E-05	8.88925E-05	8.19292E-05
7499	8.78696E-05	9.26605E-05	2.99943E-05	8.63059E-05	8.89523E-05	8.96962E-05	9.38947E-05	4.71149E-05	8.63059E-05	8.27744E-05
7500	8.59872E-05	9.07009E-05	2.90434E-05	8.38976E-05	8.34262E-05	8.75801E-05	9.17347E-05	4.54431E-05	8.38976E-05	7.81112E-05
7501	8.54722E-05	9.01506E-05	2.89546E-05	8.37413E-05	8.39349E-05	8.71916E-05	9.13018E-05	4.55052E-05	8.37413E-05	7.86196E-05
7502	8.57541E-05	9.04757E-05	2.87158E-05	8.47504E-05	8.3293E-05	8.78434E-05	9.19696E-05	4.59943E-05	8.47504E-05	7.79696E-05
7503	8.78406E-05	9.27047E-05	2.90809E-05	8.68742E-05	8.80464E-05	9.00566E-05	9.43095E-05	4.69231E-05	8.68742E-05	8.18448E-05
7504	9.42651E-05	9.95086E-05	3.09224E-05	9.28997E-05	8.55002E-05	9.65444E-05	0.000101144	4.98913E-05	9.28997E-05	7.92671E-05
7505	0.000103902	0.000109719	3.36374E-05	0.000101971	8.37308E-05	0.000106298	0.000111421	5.43357E-05	0.000101971	7.74749E-05
7506	0.00011323	0.000119472	3.78265E-05	0.000108988	8.23196E-05	0.00011475	0.000120309	5.83643E-05	0.000108988	7.60486E-05
7507	0.000120025	0.000126409	4.29038E-05	0.000112249	6.84332E-05	0.000119812	0.000125582	6.12895E-05	0.000112249	6.38819E-05
7508	0.000119523	0.000125732	4.4526E-05	0.000110106	5.72288E-05	0.000118326	0.000123978	6.10029E-05	0.000110106	5.44471E-05
7509	0.000117078	0.000123172	4.34648E-05	0.000105674	4.96759E-05	0.000114986	0.000120504	5.90191E-05	0.000105674	4.77514E-05
7510	0.000110612	0.00011647	3.98375E-05	9.85293E-05	4.4554E-05	0.000108249	0.000113499	5.50004E-05	9.85293E-05	4.35268E-05
7511	9.93667E-05	0.000104712	3.47985E-05	8.98935E-05	4.32481E-05	9.79823E-05	0.000102712	5.00123E-05	8.98935E-05	4.22089E-05
7512	9.03032E-05	9.53134E-05	2.97788E-05	8.41892E-05	4.23095E-05	9.03887E-05	9.47361E-05	4.6297E-05	8.41892E-05	4.12623E-05
7513	7.6942E-05	8.13426E-05	2.37813E-05	7.37264E-05	4.25104E-05	7.8105E-05	8.18419E-05	4.02037E-05	7.37264E-05	4.14941E-05
7514	7.45215E-05	7.88679E-05	2.20156E-05	7.28432E-05	4.28944E-05	7.64149E-05	8.00632E-05	3.94122E-05	7.28432E-05	4.18866E-05
7515	7.40101E-05	7.83561E-05	2.15077E-05	7.32162E-05	4.38803E-05	7.6318E-05	7.99393E-05	3.95901E-05	7.32162E-05	4.28918E-05

7516	7.69812E-05	8.15125E-05	2.22415E-05	7.67695E-05	4.59813E-05	7.96651E-05	8.34297E-05	4.14836E-05	7.67695E-05	4.50237E-05
7517	8.39674E-05	8.88857E-05	2.45522E-05	8.37415E-05	4.83965E-05	8.68548E-05	9.09556E-05	4.52635E-05	8.37415E-05	4.74714E-05
7518	9.27247E-05	9.81151E-05	2.76063E-05	9.17182E-05	4.85303E-05	9.55162E-05	0.000100052	4.95123E-05	9.17182E-05	4.75784E-05
7519	9.55936E-05	0.000100994	3.03485E-05	9.6165E-05	8.93492E-05	9.88889E-05	0.000103462	5.25072E-05	9.6165E-05	8.32403E-05
7520	9.33911E-05	9.85537E-05	3.10249E-05	9.59311E-05	8.76971E-05	9.72633E-05	0.000101649	5.27803E-05	9.59311E-05	8.1533E-05
7521	9.08215E-05	9.57993E-05	3.06871E-05	9.28334E-05	8.78783E-05	9.4314E-05	9.85515E-05	5.1336E-05	9.28334E-05	8.17074E-05
7522	8.8948E-05	9.38093E-05	3.02218E-05	8.88925E-05	8.81074E-05	9.14737E-05	9.56815E-05	4.8798E-05	8.88925E-05	8.19292E-05
7523	8.78696E-05	9.26605E-05	2.99943E-05	8.63059E-05	8.89523E-05	8.96962E-05	9.38947E-05	4.71149E-05	8.63059E-05	8.27744E-05
7524	8.59872E-05	9.07009E-05	2.90434E-05	8.38976E-05	8.34262E-05	8.75801E-05	9.17347E-05	4.54431E-05	8.38976E-05	7.81112E-05
7525	8.54722E-05	9.01506E-05	2.89546E-05	8.37413E-05	8.39349E-05	8.71916E-05	9.13018E-05	4.55052E-05	8.37413E-05	7.86196E-05
7526	8.57541E-05	9.04757E-05	2.87158E-05	8.47504E-05	8.3293E-05	8.78434E-05	9.19696E-05	4.59943E-05	8.47504E-05	7.79696E-05
7527	8.78406E-05	9.27047E-05	2.90809E-05	8.68742E-05	8.80464E-05	9.00566E-05	9.43095E-05	4.69231E-05	8.68742E-05	8.18448E-05
7528	9.42651E-05	9.95086E-05	3.09224E-05	9.28997E-05	8.55002E-05	9.65444E-05	0.000101144	4.98913E-05	9.28997E-05	7.92671E-05
7529	0.000103902	0.000109719	3.36374E-05	0.000101971	8.37308E-05	0.000106298	0.000111421	5.43357E-05	0.000101971	7.74749E-05
7530	0.00011323	0.000119472	3.78265E-05	0.000108988	8.23196E-05	0.00011475	0.000120309	5.83643E-05	0.000108988	7.60486E-05
7531	0.000120025	0.000126409	4.29038E-05	0.000112249	6.84332E-05	0.000119812	0.000125582	6.12895E-05	0.000112249	6.38819E-05
7532	0.000119523	0.000125732	4.4526E-05	0.000110106	5.72288E-05	0.000118326	0.000123978	6.10029E-05	0.000110106	5.44471E-05
7533	0.000117078	0.000123172	4.34648E-05	0.000105674	4.96759E-05	0.000114986	0.000120504	5.90191E-05	0.000105674	4.77514E-05
7534	0.000110612	0.00011647	3.98375E-05	9.85293E-05	4.4554E-05	0.000108249	0.000113499	5.50004E-05	9.85293E-05	4.35268E-05
7535	9.93667E-05	0.000104712	3.47985E-05	8.98935E-05	4.32481E-05	9.79823E-05	0.000102712	5.00123E-05	8.98935E-05	4.22089E-05
7536	9.03032E-05	9.53134E-05	2.97788E-05	8.41892E-05	4.23095E-05	9.03887E-05	9.47361E-05	4.6297E-05	8.41892E-05	4.12623E-05
7537	7.6942E-05	8.13426E-05	2.37813E-05	7.37264E-05	4.25104E-05	7.8105E-05	8.18419E-05	4.02037E-05	7.37264E-05	4.14941E-05
7538	7.45215E-05	7.88679E-05	2.20156E-05	7.28432E-05	4.28944E-05	7.64149E-05	8.00632E-05	3.94122E-05	7.28432E-05	4.18866E-05
7539	7.40101E-05	7.83561E-05	2.15077E-05	7.32162E-05	4.38803E-05	7.6318E-05	7.99393E-05	3.95901E-05	7.32162E-05	4.28918E-05
7540	7.69812E-05	8.15125E-05	2.22415E-05	7.67695E-05	4.59813E-05	7.96651E-05	8.34297E-05	4.14836E-05	7.67695E-05	4.50237E-05
7541	8.39674E-05	8.88857E-05	2.45522E-05	8.37415E-05	4.83965E-05	8.68548E-05	9.09556E-05	4.52635E-05	8.37415E-05	4.74714E-05
7542	9.27247E-05	9.81151E-05	2.76063E-05	9.17182E-05	4.85303E-05	9.55162E-05	0.000100052	4.95123E-05	9.17182E-05	4.75784E-05
7543	9.55936E-05	0.000100994	3.03485E-05	9.6165E-05	8.93492E-05	9.88889E-05	0.000103462	5.25072E-05	9.6165E-05	8.32403E-05
7544	9.33911E-05	9.85537E-05	3.10249E-05	9.59311E-05	8.76971E-05	9.72633E-05	0.000101649	5.27803E-05	9.59311E-05	8.1533E-05
7545	9.08215E-05	9.57993E-05	3.06871E-05	9.28334E-05	8.78783E-05	9.4314E-05	9.85515E-05	5.1336E-05	9.28334E-05	8.17074E-05
7546	8.8948E-05	9.38093E-05	3.02218E-05	8.88925E-05	8.81074E-05	9.14737E-05	9.56815E-05	4.8798E-05	8.88925E-05	8.19292E-05
7547	8.78696E-05	9.26605E-05	2.99943E-05	8.63059E-05	8.89523E-05	8.96962E-05	9.38947E-05	4.71149E-05	8.63059E-05	8.27744E-05
7548	8.59872E-05	9.07009E-05	2.90434E-05	8.38976E-05	8.34262E-05	8.75801E-05	9.17347E-05	4.54431E-05	8.38976E-05	7.81112E-05
7549	8.54722E-05	9.01506E-05	2.89546E-05	8.37413E-05	8.39349E-05	8.71916E-05	9.13018E-05	4.55052E-05	8.37413E-05	7.86196E-05
7550	8.57541E-05	9.04757E-05	2.87158E-05	8.47504E-05	8.3293E-05	8.78434E-05	9.19696E-05	4.59943E-05	8.47504E-05	7.79696E-05
7551	8.78406E-05	9.27047E-05	2.90809E-05	8.68742E-05	8.80464E-05	9.00566E-05	9.43095E-05	4.69231E-05	8.68742E-05	8.18448E-05
7552	9.42651E-05	9.95086E-05	3.09224E-05	9.28997E-05	8.55002E-05	9.65444E-05	0.000101144	4.98913E-05	9.28997E-05	7.92671E-05
7553	0.000103902	0.000109719	3.36374E-05	0.000101971	8.37308E-05	0.000106298	0.000111421	5.43357E-05	0.000101971	7.74749E-05
7554	0.00011323	0.000119472	3.78265E-05	0.000108988	8.23196E-05	0.00011475	0.000120309	5.83643E-05	0.000108988	7.60486E-05
7555	0.000120025	0.000126409	4.29038E-05	0.000112249	6.84332E-05	0.000119812	0.000125582	6.12895E-05	0.000112249	6.38819E-05
7556	0.000119523	0.000125732	4.4526E-05	0.000110106	5.72288E-05	0.000118326	0.000123978	6.10029E-05	0.000110106	5.44471E-05
7557	0.000117078	0.000123172	4.34648E-05	0.000105674	4.96759E-05	0.000114986	0.000120504	5.90191E-05	0.000105674	4.77514E-05
7558	0.000110612	0.00011647	3.98375E-05	9.85293E-05	4.4554E-05	0.000108249	0.000113499	5.50004E-05	9.85293E-05	4.35268E-05
7559	9.93667E-05	0.000104712	3.47985E-05	8.98935E-05	4.32481E-05	9.79823E-05	0.000102712	5.00123E-05	8.98935E-05	4.22089E-05
7560	9.03032E-05	9.53134E-05	2.97788E-05	8.41892E-05	4.23095E-05	9.03887E-05	9.47361E-05	4.6297E-05	8.41892E-05	4.12623E-05
7561	7.78062E-05	8.22618E-05	2.39813E-05	7.45282E-05	4.21208E-05	7.8981E-05	8.2769E-05	4.05619E-05	7.45282E-05	4.10965E-05
7562	7.44001E-05	7.87372E-05	2.2005E-05	7.27958E-05	4.29653E-05	7.63172E-05	7.99546E-05	3.9426E-05	7.27958E-05	4.196E-05
7563	7.39222E-05	7.82611E-05	2.15067E-05	7.32064E-05	4.39847E-05	7.62568E-05	7.98687E-05	3.96241E-05	7.32064E-05	4.29991E-05
7564	7.69304E-05	8.14555E-05	2.2266E-05	7.68569E-05	4.61324E-05	7.9666E-05	8.34197E-05	4.15947E-05	7.68569E-05	4.51782E-05
7565	8.39319E-05	8.88462E-05	2.45658E-05	8.37895E-05	4.85991E-05	8.68503E-05	9.09443E-05	4.53282E-05	8.37895E-05	4.7678E-05
7566	9.25994E-05	9.79814E-05	2.75832E-05	9.16239E-05	4.88462E-05	9.53978E-05	9.9925E-05	4.94819E-05	9.16239E-05	4.78995E-05
7567	9.68753E-05	0.000102381	3.03584E-05	9.61079E-05	8.99183E-05	9.96923E-05	0.000104349	5.24607E-05	9.61079E-05	8.38181E-05
7568	9.29587E-05	9.80945E-05	3.09162E-05	9.54981E-05	8.85196E-05	9.68126E-05	0.000101175	5.25698E-05	9.54981E-05	8.23672E-05
7569	9.0083E-05	9.50113E-05	3.05469E-05	9.22621E-05	8.86992E-05	9.36098E-05	9.7797E-05	5.11417E-05	9.22621E-05	8.25392E-05
7570	8.78689E-05	9.26627E-05	2.99583E-05	8.78402E-05	8.88836E-05	9.036E-05	9.45069E-05	4.83005E-05	8.78402E-05	8.27149E-05
7571	8.6503E-05	9.12075E-05	2.96704E-05	8.501E-05	8.97027E-05	8.83E-05	9.24193E-05	4.6521E-05	8.501E-05	8.3533E-05
7572	8.45703E-05	8.91936E-05	2.87193E-05	8.25974E-05	8.41867E-05	8.61494E-05	9.02195E-05	4.48699E-05	8.25974E-05	7.88793E-05
7573	8.41568E-05	8.8753E-05	2.86337E-05	8.24598E-05	8.4697E-05	8.58344E-05	8.98705E-05	4.49E-05	8.24598E-05	7.93879E-05
7574	8.41695E-05	8.8791E-05	2.83406E-05	8.32489E-05	8.38976E-05	8.62249E-05	9.02594E-05	4.53066E-05	8.32489E-05	7.85778E-05
7575	8.6863E-05	9.16653E-05	2.88492E-05	8.59471E-05	8.85446E-05	8.90578E-05	9.32541E-05	4.64981E-05	8.59471E-05	8.23453E-05
7576	9.33596E-05	9.85496E-05	3.06618E-05	9.18702E-05	8.59082E-05	9.55528E-05	0.00010011	4.933E-05	9.18702E-05	7.96771E-05
7577	0.000103303	0.000109085	3.34582E-05	0.000101265	8.40666E-05	0.000105632	0.000110729	5.39396E-05	0.000101265	7.78127E-05
7578	0.000112423	0.000118618	3.75891E-05	0.000108052	8.25829E-05	0.000113858	0.000119381	5.78455E-05	0.000108052	7.6314E-05
7579	0.000119292	0.000125632	4.27046E-05	0.000111459	6.86816E-05	0.000119026	0.00012476	6.0878E-05	0.000111459	6.41326E-05
7580	0.000118824	0.000124991	4.43203E-05	0.000109295	5.7459E-05	0.000117553	0.000123173	6.05534E-05	0.000109295	5.46801E-05
7581	0.000114886	0.00012082	4.31959E-05	0.000104708	4.98736E-05	0.00011319	0.000118581	5.85127E-05	0.000104708	4.79517E-05
7582	0.000109931	0.000115749	3.96417E-05	9.77555E-05	4.47173E-05	0.000107503	0.000112721	5.45787E-05	9.77555E-05	4.36925E-05
7583	9.88742E-05	0.000104191	3.46396E-05	8.92698E-05	4.32914E-05	9.74181E-05	0.000102128	4.96444E-05	8.92698E-05	4.22524E-05
7584	8.9954E-05	9.49443E-05	2.9669E-05	8.37576E-05	4.21905E-05	8.99928E-05	9.43258E-05	4.60466E-05	8.37576E-05	4.11412E-05
7585	7.78062E-05	8.22618E-05	2.39813E-05	7.45282E-05	4.21208E-05	7.8981E-05	8.2769E-05	4.05619E-05	7.45282E-05	4.10965E-05
7586	7.44001E-05	7.87372E-05	2.2005E-05	7.27958E-05	4.29653E-05	7.63172E-05	7.99546E-05	3.9426E-05	7.27958E-05	4.196E-05
7587	7.39222E-05	7.82611E-05	2.15067E-05	7.32064E-05	4.39847E-05	7.62568E-05	7.98687E-05	3.96241E-05	7.32064E-05	4.29991E-05
7588	7.69304E-05	8.14555E-05	2.2266E-05	7.68569E-05	4.61324E-05	7.9666E-05	8.34197E-05	4.15947E-05	7.68569E-05	4.51782E-05
7589	8.39319E-05	8.88462E-05	2.45658E-05	8.37895E-05	4.85991E-05	8.68503E-05	9.09443E-05	4.53282E-05	8.37895E-05	4.7678E-05
7590	9.25994E-05	9.79814E-05	2.75832E-05	9.16239E-05	4.88462E-05	9.53978E-05	9.9925E-05	4.94819E-05	9.16239E-05	4.78995E-05
7591	9.68753E-05	0.000102381	3.03584E-05	9.61079E-05	8.99183E-05	9.96923E-05	0.000104349	5.24607E-05	9.61079E-05	8.38181E-05

7592	9.29587E-05	9.80945E-05	3.09162E-05	9.54981E-05	8.85196E-05	9.68126E-05	0.000101175	5.25698E-05	9.54981E-05	8.23672E-05
7593	9.0083E-05	9.50113E-05	3.05469E-05	9.22621E-05	8.86992E-05	9.36098E-05	9.7797E-05	5.11417E-05	9.22621E-05	8.25392E-05
7594	8.78689E-05	9.26627E-05	2.99583E-05	8.78402E-05	8.88836E-05	9.036E-05	9.45069E-05	4.83005E-05	8.78402E-05	8.27149E-05
7595	8.6503E-05	9.12075E-05	2.96704E-05	8.501E-05	8.97027E-05	8.83E-05	9.24193E-05	4.6521E-05	8.501E-05	8.3533E-05
7596	8.45703E-05	8.91936E-05	2.87193E-05	8.25974E-05	8.41867E-05	8.61494E-05	9.02195E-05	4.48699E-05	8.25974E-05	7.88793E-05
7597	8.41568E-05	8.8753E-05	2.86337E-05	8.24598E-05	8.4697E-05	8.58344E-05	8.98705E-05	4.49E-05	8.24598E-05	7.93879E-05
7598	8.41695E-05	8.8791E-05	2.83406E-05	8.32489E-05	8.38976E-05	8.62249E-05	9.02594E-05	4.53066E-05	8.32489E-05	7.85778E-05
7599	8.6863E-05	9.16653E-05	2.88492E-05	8.59471E-05	8.85446E-05	8.90578E-05	9.32541E-05	4.64981E-05	8.59471E-05	8.23453E-05
7600	9.33596E-05	9.85496E-05	3.06618E-05	9.18702E-05	8.59082E-05	9.55528E-05	0.00010011	4.933E-05	9.18702E-05	7.96771E-05
7601	0.000103303	0.000109085	3.34582E-05	0.000101265	8.40666E-05	0.000105632	0.000110729	5.39396E-05	0.000101265	7.78127E-05
7602	0.000112423	0.000118618	3.75891E-05	0.000108052	8.25829E-05	0.000113858	0.000119381	5.78455E-05	0.000108052	7.6314E-05
7603	0.000119292	0.000125632	4.27046E-05	0.000111459	6.86816E-05	0.000119026	0.00012476	6.0878E-05	0.000111459	6.41326E-05
7604	0.000118824	0.000124991	4.43203E-05	0.000109295	5.7459E-05	0.000117553	0.000123173	6.05534E-05	0.000109295	5.46801E-05
7605	0.000114886	0.00012082	4.31959E-05	0.000104708	4.98736E-05	0.00011319	0.000118581	5.85127E-05	0.000104708	4.79517E-05
7606	0.000109931	0.000115749	3.96417E-05	9.77555E-05	4.47173E-05	0.000107503	0.000112721	5.45787E-05	9.77555E-05	4.36925E-05
7607	9.88742E-05	0.000104191	3.46396E-05	8.92698E-05	4.32914E-05	9.74181E-05	0.000102128	4.96444E-05	8.92698E-05	4.22524E-05
7608	8.9954E-05	9.49443E-05	2.9669E-05	8.37576E-05	4.21905E-05	8.99928E-05	9.43258E-05	4.60466E-05	8.37576E-05	4.11412E-05
7609	7.78062E-05	8.22618E-05	2.39813E-05	7.45282E-05	4.21208E-05	7.8981E-05	8.2769E-05	4.05619E-05	7.45282E-05	4.10965E-05
7610	7.44001E-05	7.87372E-05	2.2005E-05	7.27958E-05	4.29653E-05	7.63172E-05	7.99546E-05	3.9426E-05	7.27958E-05	4.196E-05
7611	7.39222E-05	7.82611E-05	2.15067E-05	7.32064E-05	4.39847E-05	7.62568E-05	7.98687E-05	3.96241E-05	7.32064E-05	4.29991E-05
7612	7.69304E-05	8.14555E-05	2.2266E-05	7.68569E-05	4.61324E-05	7.9666E-05	8.34197E-05	4.15947E-05	7.68569E-05	4.51782E-05
7613	8.39319E-05	8.88462E-05	2.45658E-05	8.37895E-05	4.85991E-05	8.68503E-05	9.09443E-05	4.53282E-05	8.37895E-05	4.7678E-05
7614	9.25994E-05	9.79814E-05	2.75832E-05	9.16239E-05	4.88462E-05	9.53978E-05	9.9925E-05	4.94819E-05	9.16239E-05	4.78995E-05
7615	9.68753E-05	0.000102381	3.03584E-05	9.61079E-05	8.99183E-05	9.96923E-05	0.000104349	5.24607E-05	9.61079E-05	8.38181E-05
7616	9.29587E-05	9.80945E-05	3.09162E-05	9.54981E-05	8.85196E-05	9.68126E-05	0.000101175	5.25698E-05	9.54981E-05	8.23672E-05
7617	9.0083E-05	9.50113E-05	3.05469E-05	9.22621E-05	8.86992E-05	9.36098E-05	9.7797E-05	5.11417E-05	9.22621E-05	8.25392E-05
7618	8.78689E-05	9.26627E-05	2.99583E-05	8.78402E-05	8.88836E-05	9.036E-05	9.45069E-05	4.83005E-05	8.78402E-05	8.27149E-05
7619	8.6503E-05	9.12075E-05	2.96704E-05	8.501E-05	8.97027E-05	8.83E-05	9.24193E-05	4.6521E-05	8.501E-05	8.3533E-05
7620	8.45703E-05	8.91936E-05	2.87193E-05	8.25974E-05	8.41867E-05	8.61494E-05	9.02195E-05	4.48699E-05	8.25974E-05	7.88793E-05
7621	8.41568E-05	8.8753E-05	2.86337E-05	8.24598E-05	8.4697E-05	8.58344E-05	8.98705E-05	4.49E-05	8.24598E-05	7.93879E-05
7622	8.41695E-05	8.8791E-05	2.83406E-05	8.32489E-05	8.38976E-05	8.62249E-05	9.02594E-05	4.53066E-05	8.32489E-05	7.85778E-05
7623	8.6863E-05	9.16653E-05	2.88492E-05	8.59471E-05	8.85446E-05	8.90578E-05	9.32541E-05	4.64981E-05	8.59471E-05	8.23453E-05
7624	9.33596E-05	9.85496E-05	3.06618E-05	9.18702E-05	8.59082E-05	9.55528E-05	0.00010011	4.933E-05	9.18702E-05	7.96771E-05
7625	0.000103303	0.000109085	3.34582E-05	0.000101265	8.40666E-05	0.000105632	0.000110729	5.39396E-05	0.000101265	7.78127E-05
7626	0.000112423	0.000118618	3.75891E-05	0.000108052	8.25829E-05	0.000113858	0.000119381	5.78455E-05	0.000108052	7.6314E-05
7627	0.000119292	0.000125632	4.27046E-05	0.000111459	6.86816E-05	0.000119026	0.00012476	6.0878E-05	0.000111459	6.41326E-05
7628	0.000118824	0.000124991	4.43203E-05	0.000109295	5.7459E-05	0.000117553	0.000123173	6.05534E-05	0.000109295	5.46801E-05
7629	0.000114886	0.00012082	4.31959E-05	0.000104708	4.98736E-05	0.00011319	0.000118581	5.85127E-05	0.000104708	4.79517E-05
7630	0.000109931	0.000115749	3.96417E-05	9.77555E-05	4.47173E-05	0.000107503	0.000112721	5.45787E-05	9.77555E-05	4.36925E-05
7631	9.88742E-05	0.000104191	3.46396E-05	8.92698E-05	4.32914E-05	9.74181E-05	0.000102128	4.96444E-05	8.92698E-05	4.22524E-05
7632	8.9954E-05	9.49443E-05	2.9669E-05	8.37576E-05	4.21905E-05	8.99928E-05	9.43258E-05	4.60466E-05	8.37576E-05	4.11412E-05
7633	7.6942E-05	8.13426E-05	2.37813E-05	7.37264E-05	4.25104E-05	7.8105E-05	8.18419E-05	4.02037E-05	7.37264E-05	4.14941E-05
7634	7.45215E-05	7.88679E-05	2.20156E-05	7.28432E-05	4.28944E-05	7.64149E-05	8.00632E-05	3.94122E-05	7.28432E-05	4.18866E-05
7635	7.40101E-05	7.83561E-05	2.15077E-05	7.32162E-05	4.38803E-05	7.6318E-05	7.99393E-05	3.95901E-05	7.32162E-05	4.28918E-05
7636	7.69812E-05	8.15125E-05	2.22415E-05	7.67695E-05	4.59813E-05	7.96651E-05	8.34297E-05	4.14836E-05	7.67695E-05	4.50237E-05
7637	8.39674E-05	8.88857E-05	2.45522E-05	8.37415E-05	4.83965E-05	8.68548E-05	9.09556E-05	4.52635E-05	8.37415E-05	4.74714E-05
7638	9.27247E-05	9.81151E-05	2.76063E-05	9.17182E-05	4.85303E-05	9.55162E-05	0.000100052	4.95123E-05	9.17182E-05	4.75784E-05
7639	9.55936E-05	0.000100994	3.03485E-05	9.6165E-05	8.93492E-05	9.88889E-05	0.000103462	5.25072E-05	9.6165E-05	8.32403E-05
7640	9.33911E-05	9.85537E-05	3.10249E-05	9.59311E-05	8.76971E-05	9.72633E-05	0.000101649	5.27803E-05	9.59311E-05	8.1533E-05
7641	9.08215E-05	9.57993E-05	3.06871E-05	9.28334E-05	8.78783E-05	9.4314E-05	9.85515E-05	5.1336E-05	9.28334E-05	8.17074E-05
7642	8.8948E-05	9.38093E-05	3.02218E-05	8.88925E-05	8.81074E-05	9.14737E-05	9.56815E-05	4.8798E-05	8.88925E-05	8.19292E-05
7643	8.78696E-05	9.26605E-05	2.99943E-05	8.63059E-05	8.89523E-05	8.96962E-05	9.38947E-05	4.71149E-05	8.63059E-05	8.27744E-05
7644	8.59872E-05	9.07009E-05	2.90434E-05	8.38976E-05	8.34262E-05	8.75801E-05	9.17347E-05	4.54431E-05	8.38976E-05	7.81112E-05
7645	8.54722E-05	9.01506E-05	2.89546E-05	8.37413E-05	8.39349E-05	8.71916E-05	9.13018E-05	4.55052E-05	8.37413E-05	7.86196E-05
7646	8.57541E-05	9.04757E-05	2.87158E-05	8.47504E-05	8.3293E-05	8.78434E-05	9.19696E-05	4.59943E-05	8.47504E-05	7.79696E-05
7647	8.78406E-05	9.27047E-05	2.90809E-05	8.68742E-05	8.80464E-05	9.00566E-05	9.43095E-05	4.69231E-05	8.68742E-05	8.18448E-05
7648	9.42651E-05	9.95086E-05	3.09224E-05	9.28997E-05	8.55002E-05	9.65444E-05	0.000101144	4.98913E-05	9.28997E-05	7.92671E-05
7649	0.000103902	0.000109719	3.36374E-05	0.000101971	8.37308E-05	0.000106298	0.000111421	5.43357E-05	0.000101971	7.74749E-05
7650	0.00011323	0.000119472	3.78265E-05	0.000108988	8.23196E-05	0.00011475	0.000120309	5.83643E-05	0.000108988	7.60486E-05
7651	0.000120025	0.000126409	4.29038E-05	0.000112249	6.84332E-05	0.000119812	0.000125582	6.12895E-05	0.000112249	6.38819E-05
7652	0.000119523	0.000125732	4.4526E-05	0.000110106	5.72288E-05	0.000118326	0.000123978	6.10029E-05	0.000110106	5.44471E-05
7653	0.000117078	0.000123172	4.34648E-05	0.000105674	4.96759E-05	0.000114986	0.000120504	5.90191E-05	0.000105674	4.77514E-05
7654	0.000110612	0.00011647	3.98375E-05	9.85293E-05	4.4554E-05	0.000108249	0.000113499	5.50004E-05	9.85293E-05	4.35268E-05
7655	9.93667E-05	0.000104712	3.47985E-05	8.98935E-05	4.32481E-05	9.79823E-05	0.000102712	5.00123E-05	8.98935E-05	4.22089E-05
7656	9.03032E-05	9.53134E-05	2.97788E-05	8.41892E-05	4.23095E-05	9.03887E-05	9.47361E-05	4.6297E-05	8.41892E-05	4.12623E-05
7657	7.6942E-05	8.13426E-05	2.37813E-05	7.37264E-05	4.25104E-05	7.8105E-05	8.18419E-05	4.02037E-05	7.37264E-05	4.14941E-05
7658	7.45215E-05	7.88679E-05	2.20156E-05	7.28432E-05	4.28944E-05	7.64149E-05	8.00632E-05	3.94122E-05	7.28432E-05	4.18866E-05
7659	7.40101E-05	7.83561E-05	2.15077E-05	7.32162E-05	4.38803E-05	7.6318E-05	7.99393E-05	3.95901E-05	7.32162E-05	4.28918E-05
7660	7.69812E-05	8.15125E-05	2.22415E-05	7.67695E-05	4.59813E-05	7.96651E-05	8.34297E-05	4.14836E-05	7.67695E-05	4.50237E-05
7661	8.39674E-05	8.88857E-05	2.45522E-05	8.37415E-05	4.83965E-05	8.68548E-05	9.09556E-05	4.52635E-05	8.37415E-05	4.74714E-05
7662	9.27247E-05	9.81151E-05	2.76063E-05	9.17182E-05	4.85303E-05	9.55162E-05	0.000100052	4.95123E-05	9.17182E-05	4.75784E-05
7663	9.55936E-05	0.000100994	3.03485E-05	9.6165E-05	8.93492E-05	9.88889E-05	0.000103462	5.25072E-05	9.6165E-05	8.32403E-05
7664	9.33911E-05	9.85537E-05	3.10249E-05	9.59311E-05	8.76971E-05	9.72633E-05	0.000101649	5.27803E-05	9.59311E-05	8.1533E-05
7665	9.08215E-05	9.57993E-05	3.06871E-05	9.28334E-05	8.78783E-05	9.4314E-05	9.85515E-05	5.1336E-05	9.28334E-05	8.17074E-05
7666	8.8948E-05	9.38093E-05	3.02218E-05	8.88925E-05	8.81074E-05	9.14737E-05	9.56815E-05	4.8798E-05	8.88925E-05	8.19292E-05
7667	8.78696E-05	9.26605E-05	2.99943E-05	8.63059E-05	8.89523E-05	8.96962E-05	9.38947E-05	4.71149E-05	8.63059E-05	8.27744E-05

7668	8.59872E-05	9.07009E-05	2.90434E-05	8.38976E-05	8.34262E-05	8.75801E-05	9.17347E-05	4.54431E-05	8.38976E-05	7.81112E-05
7669	8.54722E-05	9.01506E-05	2.89546E-05	8.37413E-05	8.39349E-05	8.71916E-05	9.13018E-05	4.55052E-05	8.37413E-05	7.86196E-05
7670	8.57541E-05	9.04757E-05	2.87158E-05	8.47504E-05	8.3293E-05	8.78434E-05	9.19696E-05	4.59943E-05	8.47504E-05	7.79696E-05
7671	8.78406E-05	9.27047E-05	2.90809E-05	8.68742E-05	8.80464E-05	9.00566E-05	9.43095E-05	4.69231E-05	8.68742E-05	8.18448E-05
7672	9.42651E-05	9.95086E-05	3.09224E-05	9.28997E-05	8.55002E-05	9.65444E-05	0.000101144	4.98913E-05	9.28997E-05	7.92671E-05
7673	0.000103902	0.000109719	3.36374E-05	0.000101971	8.37308E-05	0.000106298	0.000111421	5.43357E-05	0.000101971	7.74749E-05
7674	0.00011323	0.000119472	3.78265E-05	0.000108988	8.23196E-05	0.00011475	0.000120309	5.83643E-05	0.000108988	7.60486E-05
7675	0.000120025	0.000126409	4.29038E-05	0.000112249	6.84332E-05	0.000119812	0.000125582	6.12895E-05	0.000112249	6.38819E-05
7676	0.000119523	0.000125732	4.4526E-05	0.000110106	5.72288E-05	0.000118326	0.000123978	6.10029E-05	0.000110106	5.44471E-05
7677	0.000117078	0.000123172	4.34648E-05	0.000105674	4.96759E-05	0.000114986	0.000120504	5.90191E-05	0.000105674	4.77514E-05
7678	0.000110612	0.00011647	3.98375E-05	9.85293E-05	4.4554E-05	0.000108249	0.000113499	5.50004E-05	9.85293E-05	4.35268E-05
7679	9.93667E-05	0.000104712	3.47985E-05	8.98935E-05	4.32481E-05	9.79823E-05	0.000102712	5.00123E-05	8.98935E-05	4.22089E-05
7680	9.03032E-05	9.53134E-05	2.97788E-05	8.41892E-05	4.23095E-05	9.03887E-05	9.47361E-05	4.6297E-05	8.41892E-05	4.12623E-05
7681	7.6942E-05	8.13426E-05	2.37813E-05	7.37264E-05	4.25104E-05	7.8105E-05	8.18419E-05	4.02037E-05	7.37264E-05	4.14941E-05
7682	7.45215E-05	7.88679E-05	2.20156E-05	7.28432E-05	4.28944E-05	7.64149E-05	8.00632E-05	3.94122E-05	7.28432E-05	4.18866E-05
7683	7.40101E-05	7.83561E-05	2.15077E-05	7.32162E-05	4.38803E-05	7.6318E-05	7.99393E-05	3.95901E-05	7.32162E-05	4.28918E-05
7684	7.69812E-05	8.15125E-05	2.22415E-05	7.67695E-05	4.59813E-05	7.96651E-05	8.34297E-05	4.14836E-05	7.67695E-05	4.50237E-05
7685	8.39674E-05	8.88857E-05	2.45522E-05	8.37415E-05	4.83965E-05	8.68548E-05	9.09556E-05	4.52635E-05	8.37415E-05	4.74714E-05
7686	9.27247E-05	9.81151E-05	2.76063E-05	9.17182E-05	4.85303E-05	9.55162E-05	0.000100052	4.95123E-05	9.17182E-05	4.75784E-05
7687	9.55936E-05	0.000100994	3.03485E-05	9.6165E-05	8.93492E-05	9.88889E-05	0.000103462	5.25072E-05	9.6165E-05	8.32403E-05
7688	9.33911E-05	9.85537E-05	3.10249E-05	9.59311E-05	8.76971E-05	9.72633E-05	0.000101649	5.27803E-05	9.59311E-05	8.1533E-05
7689	9.08215E-05	9.57993E-05	3.06871E-05	9.28334E-05	8.78783E-05	9.4314E-05	9.85515E-05	5.1336E-05	9.28334E-05	8.17074E-05
7690	8.8948E-05	9.38093E-05	3.02218E-05	8.88925E-05	8.81074E-05	9.14737E-05	9.56815E-05	4.8798E-05	8.88925E-05	8.19292E-05
7691	8.78696E-05	9.26605E-05	2.99943E-05	8.63059E-05	8.89523E-05	8.96962E-05	9.38947E-05	4.71149E-05	8.63059E-05	8.27744E-05
7692	8.59872E-05	9.07009E-05	2.90434E-05	8.38976E-05	8.34262E-05	8.75801E-05	9.17347E-05	4.54431E-05	8.38976E-05	7.81112E-05
7693	8.54722E-05	9.01506E-05	2.89546E-05	8.37413E-05	8.39349E-05	8.71916E-05	9.13018E-05	4.55052E-05	8.37413E-05	7.86196E-05
7694	8.57541E-05	9.04757E-05	2.87158E-05	8.47504E-05	8.3293E-05	8.78434E-05	9.19696E-05	4.59943E-05	8.47504E-05	7.79696E-05
7695	8.78406E-05	9.27047E-05	2.90809E-05	8.68742E-05	8.80464E-05	9.00566E-05	9.43095E-05	4.69231E-05	8.68742E-05	8.18448E-05
7696	9.42651E-05	9.95086E-05	3.09224E-05	9.28997E-05	8.55002E-05	9.65444E-05	0.000101144	4.98913E-05	9.28997E-05	7.92671E-05
7697	0.000103902	0.000109719	3.36374E-05	0.000101971	8.37308E-05	0.000106298	0.000111421	5.43357E-05	0.000101971	7.74749E-05
7698	0.00011323	0.000119472	3.78265E-05	0.000108988	8.23196E-05	0.00011475	0.000120309	5.83643E-05	0.000108988	7.60486E-05
7699	0.000120025	0.000126409	4.29038E-05	0.000112249	6.84332E-05	0.000119812	0.000125582	6.12895E-05	0.000112249	6.38819E-05
7700	0.000119523	0.000125732	4.4526E-05	0.000110106	5.72288E-05	0.000118326	0.000123978	6.10029E-05	0.000110106	5.44471E-05
7701	0.000117078	0.000123172	4.34648E-05	0.000105674	4.96759E-05	0.000114986	0.000120504	5.90191E-05	0.000105674	4.77514E-05
7702	0.000110612	0.00011647	3.98375E-05	9.85293E-05	4.4554E-05	0.000108249	0.000113499	5.50004E-05	9.85293E-05	4.35268E-05
7703	9.93667E-05	0.000104712	3.47985E-05	8.98935E-05	4.32481E-05	9.79823E-05	0.000102712	5.00123E-05	8.98935E-05	4.22089E-05
7704	9.03032E-05	9.53134E-05	2.97788E-05	8.41892E-05	4.23095E-05	9.03887E-05	9.47361E-05	4.6297E-05	8.41892E-05	4.12623E-05
7705	7.6942E-05	8.13426E-05	2.37813E-05	7.37264E-05	4.25104E-05	7.8105E-05	8.18419E-05	4.02037E-05	7.37264E-05	4.14941E-05
7706	7.45215E-05	7.88679E-05	2.20156E-05	7.28432E-05	4.28944E-05	7.64149E-05	8.00632E-05	3.94122E-05	7.28432E-05	4.18866E-05
7707	7.40101E-05	7.83561E-05	2.15077E-05	7.32162E-05	4.38803E-05	7.6318E-05	7.99393E-05	3.95901E-05	7.32162E-05	4.28918E-05
7708	7.69812E-05	8.15125E-05	2.22415E-05	7.67695E-05	4.59813E-05	7.96651E-05	8.34297E-05	4.14836E-05	7.67695E-05	4.50237E-05
7709	8.39674E-05	8.88857E-05	2.45522E-05	8.37415E-05	4.83965E-05	8.68548E-05	9.09556E-05	4.52635E-05	8.37415E-05	4.74714E-05
7710	9.27247E-05	9.81151E-05	2.76063E-05	9.17182E-05	4.85303E-05	9.55162E-05	0.000100052	4.95123E-05	9.17182E-05	4.75784E-05
7711	9.55936E-05	0.000100994	3.03485E-05	9.6165E-05	8.93492E-05	9.88889E-05	0.000103462	5.25072E-05	9.6165E-05	8.32403E-05
7712	9.33911E-05	9.85537E-05	3.10249E-05	9.59311E-05	8.76971E-05	9.72633E-05	0.000101649	5.27803E-05	9.59311E-05	8.1533E-05
7713	9.08215E-05	9.57993E-05	3.06871E-05	9.28334E-05	8.78783E-05	9.4314E-05	9.85515E-05	5.1336E-05	9.28334E-05	8.17074E-05
7714	8.8948E-05	9.38093E-05	3.02218E-05	8.88925E-05	8.81074E-05	9.14737E-05	9.56815E-05	4.8798E-05	8.88925E-05	8.19292E-05
7715	8.78696E-05	9.26605E-05	2.99943E-05	8.63059E-05	8.89523E-05	8.96962E-05	9.38947E-05	4.71149E-05	8.63059E-05	8.27744E-05
7716	8.59872E-05	9.07009E-05	2.90434E-05	8.38976E-05	8.34262E-05	8.75801E-05	9.17347E-05	4.54431E-05	8.38976E-05	7.81112E-05
7717	8.54722E-05	9.01506E-05	2.89546E-05	8.37413E-05	8.39349E-05	8.71916E-05	9.13018E-05	4.55052E-05	8.37413E-05	7.86196E-05
7718	8.57541E-05	9.04757E-05	2.87158E-05	8.47504E-05	8.3293E-05	8.78434E-05	9.19696E-05	4.59943E-05	8.47504E-05	7.79696E-05
7719	8.78406E-05	9.27047E-05	2.90809E-05	8.68742E-05	8.80464E-05	9.00566E-05	9.43095E-05	4.69231E-05	8.68742E-05	8.18448E-05
7720	9.42651E-05	9.95086E-05	3.09224E-05	9.28997E-05	8.55002E-05	9.65444E-05	0.000101144	4.98913E-05	9.28997E-05	7.92671E-05
7721	0.000103902	0.000109719	3.36374E-05	0.000101971	8.37308E-05	0.000106298	0.000111421	5.43357E-05	0.000101971	7.74749E-05
7722	0.00011323	0.000119472	3.78265E-05	0.000108988	8.23196E-05	0.00011475	0.000120309	5.83643E-05	0.000108988	7.60486E-05
7723	0.000120025	0.000126409	4.29038E-05	0.000112249	6.84332E-05	0.000119812	0.000125582	6.12895E-05	0.000112249	6.38819E-05
7724	0.000119523	0.000125732	4.4526E-05	0.000110106	5.72288E-05	0.000118326	0.000123978	6.10029E-05	0.000110106	5.44471E-05
7725	0.000117078	0.000123172	4.34648E-05	0.000105674	4.96759E-05	0.000114986	0.000120504	5.90191E-05	0.000105674	4.77514E-05
7726	0.000110612	0.00011647	3.98375E-05	9.85293E-05	4.4554E-05	0.000108249	0.000113499	5.50004E-05	9.85293E-05	4.35268E-05
7727	9.93667E-05	0.000104712	3.47985E-05	8.98935E-05	4.32481E-05	9.79823E-05	0.000102712	5.00123E-05	8.98935E-05	4.22089E-05
7728	9.03032E-05	9.53134E-05	2.97788E-05	8.41892E-05	4.23095E-05	9.03887E-05	9.47361E-05	4.6297E-05	8.41892E-05	4.12623E-05
7729	7.6942E-05	8.13426E-05	2.37813E-05	7.37264E-05	4.25104E-05	7.8105E-05	8.18419E-05	4.02037E-05	7.37264E-05	4.14941E-05
7730	7.45215E-05	7.88679E-05	2.20156E-05	7.28432E-05	4.28944E-05	7.64149E-05	8.00632E-05	3.94122E-05	7.28432E-05	4.18866E-05
7731	7.40101E-05	7.83561E-05	2.15077E-05	7.32162E-05	4.38803E-05	7.6318E-05	7.99393E-05	3.95901E-05	7.32162E-05	4.28918E-05
7732	7.69812E-05	8.15125E-05	2.22415E-05	7.67695E-05	4.59813E-05	7.96651E-05	8.34297E-05	4.14836E-05	7.67695E-05	4.50237E-05
7733	8.39674E-05	8.88857E-05	2.45522E-05	8.37415E-05	4.83965E-05	8.68548E-05	9.09556E-05	4.52635E-05	8.37415E-05	4.74714E-05
7734	9.27247E-05	9.81151E-05	2.76063E-05	9.17182E-05	4.85303E-05	9.55162E-05	0.000100052	4.95123E-05	9.17182E-05	4.75784E-05
7735	9.55936E-05	0.000100994	3.03485E-05	9.6165E-05	8.93492E-05	9.88889E-05	0.000103462	5.25072E-05	9.6165E-05	8.32403E-05
7736	9.33911E-05	9.85537E-05	3.10249E-05	9.59311E-05	8.76971E-05	9.72633E-05	0.000101649	5.27803E-05	9.59311E-05	8.1533E-05
7737	9.08215E-05	9.57993E-05	3.06871E-05	9.28334E-05	8.78783E-05	9.4314E-05	9.85515E-05	5.1336E-05	9.28334E-05	8.17074E-05
7738	8.8948E-05	9.38093E-05	3.02218E-05	8.88925E-05	8.81074E-05	9.14737E-05	9.56815E-05	4.8798E-05	8.88925E-05	8.19292E-05
7739	8.78696E-05	9.26605E-05	2.99943E-05	8.63059E-05	8.89523E-05	8.96962E-05	9.38947E-05	4.71149E-05	8.63059E-05	8.27744E-05
7740	8.59872E-05	9.07009E-05	2.90434E-05	8.38976E-05	8.34262E-05	8.75801E-05	9.17347E-05	4.54431E-05	8.38976E-05	7.81112E-05
7741	8.54722E-05	9.01506E-05	2.89546E-05	8.37413E-05	8.39349E-05	8.71916E-05	9.13018E-05	4.55052E-05	8.37413E-05	7.86196E-05
7742	8.57541E-05	9.04757E-05	2.87158E-05	8.47504E-05	8.3293E-05	8.78434E-05	9.19696E-05	4.59943E-05	8.47504E-05	7.79696E-05
7743	8.78406E-05	9.27047E-05	2.90809E-05	8.68742E-05	8.80464E-05	9.00566E-05	9.43095E-05	4.69231E-05	8.68742E-05	8.18448E-05

7744	9.42651E-05	9.95086E-05	3.09224E-05	9.28997E-05	8.55002E-05	9.65444E-05	0.000101144	4.98913E-05	9.28997E-05	7.92671E-05
7745	0.000103902	0.000109719	3.36374E-05	0.000101971	8.37308E-05	0.000106298	0.000111421	5.43357E-05	0.000101971	7.74749E-05
7746	0.00011323	0.000119472	3.78265E-05	0.000108988	8.23196E-05	0.00011475	0.000120309	5.83643E-05	0.000108988	7.60486E-05
7747	0.000120025	0.000126409	4.29038E-05	0.000112249	6.84332E-05	0.000119812	0.000125582	6.12895E-05	0.000112249	6.38819E-05
7748	0.000119523	0.000125732	4.4526E-05	0.000110106	5.72288E-05	0.000118326	0.000123978	6.10029E-05	0.000110106	5.44471E-05
7749	0.000117078	0.000123172	4.34648E-05	0.000105674	4.96759E-05	0.000114986	0.000120504	5.90191E-05	0.000105674	4.77514E-05
7750	0.000110612	0.00011647	3.98375E-05	9.85293E-05	4.4554E-05	0.000108249	0.000113499	5.50004E-05	9.85293E-05	4.35268E-05
7751	9.93667E-05	0.000104712	3.47985E-05	8.98935E-05	4.32481E-05	9.79823E-05	0.000102712	5.00123E-05	8.98935E-05	4.22089E-05
7752	9.03032E-05	9.53134E-05	2.97788E-05	8.41892E-05	4.23095E-05	9.03887E-05	9.47361E-05	4.6297E-05	8.41892E-05	4.12623E-05
7753	7.78062E-05	8.22618E-05	2.39813E-05	7.45282E-05	4.21208E-05	7.8981E-05	8.2769E-05	4.05619E-05	7.45282E-05	4.10965E-05
7754	7.44001E-05	7.87372E-05	2.2005E-05	7.27958E-05	4.29653E-05	7.63172E-05	7.99546E-05	3.9426E-05	7.27958E-05	4.196E-05
7755	7.39222E-05	7.82611E-05	2.15067E-05	7.32064E-05	4.39847E-05	7.62568E-05	7.98687E-05	3.96241E-05	7.32064E-05	4.29991E-05
7756	7.69304E-05	8.14555E-05	2.2266E-05	7.68569E-05	4.61324E-05	7.9666E-05	8.34197E-05	4.15947E-05	7.68569E-05	4.51782E-05
7757	8.39319E-05	8.88462E-05	2.45658E-05	8.37895E-05	4.85991E-05	8.68503E-05	9.09443E-05	4.53282E-05	8.37895E-05	4.7678E-05
7758	9.25994E-05	9.79814E-05	2.75832E-05	9.16239E-05	4.88462E-05	9.53978E-05	9.9925E-05	4.94819E-05	9.16239E-05	4.78995E-05
7759	9.68753E-05	0.000102381	3.03584E-05	9.61079E-05	8.99183E-05	9.96923E-05	0.000104349	5.24607E-05	9.61079E-05	8.38181E-05
7760	9.29587E-05	9.80945E-05	3.09162E-05	9.54981E-05	8.85196E-05	9.68126E-05	0.000101175	5.25698E-05	9.54981E-05	8.23672E-05
7761	9.0083E-05	9.50113E-05	3.05469E-05	9.22621E-05	8.86992E-05	9.36098E-05	9.7797E-05	5.11417E-05	9.22621E-05	8.25392E-05
7762	8.78689E-05	9.26627E-05	2.99583E-05	8.78402E-05	8.88836E-05	9.036E-05	9.45069E-05	4.83005E-05	8.78402E-05	8.27149E-05
7763	8.6503E-05	9.12075E-05	2.96704E-05	8.501E-05	8.97027E-05	8.83E-05	9.24193E-05	4.6521E-05	8.501E-05	8.3533E-05
7764	8.45703E-05	8.91936E-05	2.87193E-05	8.25974E-05	8.41867E-05	8.61494E-05	9.02195E-05	4.48699E-05	8.25974E-05	7.88793E-05
7765	8.41568E-05	8.8753E-05	2.86337E-05	8.24598E-05	8.4697E-05	8.58344E-05	8.98705E-05	4.49E-05	8.24598E-05	7.93879E-05
7766	8.41695E-05	8.8791E-05	2.83406E-05	8.32489E-05	8.38976E-05	8.62249E-05	9.02594E-05	4.53066E-05	8.32489E-05	7.85778E-05
7767	8.6863E-05	9.16653E-05	2.88492E-05	8.59471E-05	8.85446E-05	8.90578E-05	9.32541E-05	4.64981E-05	8.59471E-05	8.23453E-05
7768	9.33596E-05	9.85496E-05	3.06618E-05	9.18702E-05	8.59082E-05	9.55528E-05	0.00010011	4.933E-05	9.18702E-05	7.96771E-05
7769	0.000103303	0.000109085	3.34582E-05	0.000101265	8.40666E-05	0.000105632	0.000110729	5.39396E-05	0.000101265	7.78127E-05
7770	0.000112423	0.000118618	3.75891E-05	0.000108052	8.25829E-05	0.000113858	0.000119381	5.78455E-05	0.000108052	7.6314E-05
7771	0.000119292	0.000125632	4.27046E-05	0.000111459	6.86816E-05	0.000119026	0.00012476	6.0878E-05	0.000111459	6.41326E-05
7772	0.000118824	0.000124991	4.43203E-05	0.000109295	5.7459E-05	0.000117553	0.000123173	6.05534E-05	0.000109295	5.46801E-05
7773	0.000114886	0.00012082	4.31959E-05	0.000104708	4.98736E-05	0.00011319	0.000118581	5.85127E-05	0.000104708	4.79517E-05
7774	0.000109931	0.000115749	3.96417E-05	9.77555E-05	4.47173E-05	0.000107503	0.000112721	5.45787E-05	9.77555E-05	4.36925E-05
7775	9.88742E-05	0.000104191	3.46396E-05	8.92698E-05	4.32914E-05	9.74181E-05	0.000102128	4.96444E-05	8.92698E-05	4.22524E-05
7776	8.9954E-05	9.49443E-05	2.9669E-05	8.37576E-05	4.21905E-05	8.99928E-05	9.43258E-05	4.60466E-05	8.37576E-05	4.11412E-05
7777	7.78062E-05	8.22618E-05	2.39813E-05	7.45282E-05	4.21208E-05	7.8981E-05	8.2769E-05	4.05619E-05	7.45282E-05	4.10965E-05
7778	7.44001E-05	7.87372E-05	2.2005E-05	7.27958E-05	4.29653E-05	7.63172E-05	7.99546E-05	3.9426E-05	7.27958E-05	4.196E-05
7779	7.39222E-05	7.82611E-05	2.15067E-05	7.32064E-05	4.39847E-05	7.62568E-05	7.98687E-05	3.96241E-05	7.32064E-05	4.29991E-05
7780	7.69304E-05	8.14555E-05	2.2266E-05	7.68569E-05	4.61324E-05	7.9666E-05	8.34197E-05	4.15947E-05	7.68569E-05	4.51782E-05
7781	8.39319E-05	8.88462E-05	2.45658E-05	8.37895E-05	4.85991E-05	8.68503E-05	9.09443E-05	4.53282E-05	8.37895E-05	4.7678E-05
7782	9.25994E-05	9.79814E-05	2.75832E-05	9.16239E-05	4.88462E-05	9.53978E-05	9.9925E-05	4.94819E-05	9.16239E-05	4.78995E-05
7783	9.68753E-05	0.000102381	3.03584E-05	9.61079E-05	8.99183E-05	9.96923E-05	0.000104349	5.24607E-05	9.61079E-05	8.38181E-05
7784	9.29587E-05	9.80945E-05	3.09162E-05	9.54981E-05	8.85196E-05	9.68126E-05	0.000101175	5.25698E-05	9.54981E-05	8.23672E-05
7785	9.0083E-05	9.50113E-05	3.05469E-05	9.22621E-05	8.86992E-05	9.36098E-05	9.7797E-05	5.11417E-05	9.22621E-05	8.25392E-05
7786	8.78689E-05	9.26627E-05	2.99583E-05	8.78402E-05	8.88836E-05	9.036E-05	9.45069E-05	4.83005E-05	8.78402E-05	8.27149E-05
7787	8.6503E-05	9.12075E-05	2.96704E-05	8.501E-05	8.97027E-05	8.83E-05	9.24193E-05	4.6521E-05	8.501E-05	8.3533E-05
7788	8.45703E-05	8.91936E-05	2.87193E-05	8.25974E-05	8.41867E-05	8.61494E-05	9.02195E-05	4.48699E-05	8.25974E-05	7.88793E-05
7789	8.41568E-05	8.8753E-05	2.86337E-05	8.24598E-05	8.4697E-05	8.58344E-05	8.98705E-05	4.49E-05	8.24598E-05	7.93879E-05
7790	8.41695E-05	8.8791E-05	2.83406E-05	8.32489E-05	8.38976E-05	8.62249E-05	9.02594E-05	4.53066E-05	8.32489E-05	7.85778E-05
7791	8.6863E-05	9.16653E-05	2.88492E-05	8.59471E-05	8.85446E-05	8.90578E-05	9.32541E-05	4.64981E-05	8.59471E-05	8.23453E-05
7792	9.33596E-05	9.85496E-05	3.06618E-05	9.18702E-05	8.59082E-05	9.55528E-05	0.00010011	4.933E-05	9.18702E-05	7.96771E-05
7793	0.000103303	0.000109085	3.34582E-05	0.000101265	8.40666E-05	0.000105632	0.000110729	5.39396E-05	0.000101265	7.78127E-05
7794	0.000112423	0.000118618	3.75891E-05	0.000108052	8.25829E-05	0.000113858	0.000119381	5.78455E-05	0.000108052	7.6314E-05
7795	0.000119292	0.000125632	4.27046E-05	0.000111459	6.86816E-05	0.000119026	0.00012476	6.0878E-05	0.000111459	6.41326E-05
7796	0.000118824	0.000124991	4.43203E-05	0.000109295	5.7459E-05	0.000117553	0.000123173	6.05534E-05	0.000109295	5.46801E-05
7797	0.000114886	0.00012082	4.31959E-05	0.000104708	4.98736E-05	0.00011319	0.000118581	5.85127E-05	0.000104708	4.79517E-05
7798	0.000109931	0.000115749	3.96417E-05	9.77555E-05	4.47173E-05	0.000107503	0.000112721	5.45787E-05	9.77555E-05	4.36925E-05
7799	9.88742E-05	0.000104191	3.46396E-05	8.92698E-05	4.32914E-05	9.74181E-05	0.000102128	4.96444E-05	8.92698E-05	4.22524E-05
7800	8.9954E-05	9.49443E-05	2.9669E-05	8.37576E-05	4.21905E-05	8.99928E-05	9.43258E-05	4.60466E-05	8.37576E-05	4.11412E-05
7801	7.6942E-05	8.13426E-05	2.37813E-05	7.37264E-05	4.25104E-05	7.8105E-05	8.18419E-05	4.02037E-05	7.37264E-05	4.14941E-05
7802	7.45215E-05	7.88679E-05	2.20156E-05	7.28432E-05	4.28944E-05	7.64149E-05	8.00632E-05	3.94122E-05	7.28432E-05	4.18866E-05
7803	7.40101E-05	7.83561E-05	2.15077E-05	7.32162E-05	4.38803E-05	7.6318E-05	7.99393E-05	3.95901E-05	7.32162E-05	4.28918E-05
7804	7.69812E-05	8.15125E-05	2.22415E-05	7.67695E-05	4.59813E-05	7.96651E-05	8.34297E-05	4.14836E-05	7.67695E-05	4.50237E-05
7805	8.39674E-05	8.88857E-05	2.45522E-05	8.37415E-05	4.83965E-05	8.68548E-05	9.09556E-05	4.52635E-05	8.37415E-05	4.74714E-05
7806	9.27247E-05	9.81151E-05	2.76063E-05	9.17182E-05	4.85303E-05	9.55162E-05	0.000100052	4.95123E-05	9.17182E-05	4.75784E-05
7807	9.55936E-05	0.000100994	3.03485E-05	9.6165E-05	8.93492E-05	9.88889E-05	0.000103462	5.25072E-05	9.6165E-05	8.32403E-05
7808	9.33911E-05	9.85537E-05	3.10249E-05	9.59311E-05	8.76971E-05	9.72633E-05	0.000101649	5.27803E-05	9.59311E-05	8.1533E-05
7809	9.08215E-05	9.57993E-05	3.06871E-05	9.28334E-05	8.78783E-05	9.4314E-05	9.85515E-05	5.1336E-05	9.28334E-05	8.17074E-05
7810	8.8948E-05	9.38093E-05	3.02218E-05	8.88925E-05	8.81074E-05	9.14737E-05	9.56815E-05	4.8798E-05	8.88925E-05	8.19292E-05
7811	8.78696E-05	9.26605E-05	2.99943E-05	8.63059E-05	8.89523E-05	8.96962E-05	9.38947E-05	4.71149E-05	8.63059E-05	8.27744E-05
7812	8.59872E-05	9.07009E-05	2.90434E-05	8.38976E-05	8.34262E-05	8.75801E-05	9.17347E-05	4.54431E-05	8.38976E-05	7.81112E-05
7813	8.54722E-05	9.01506E-05	2.89546E-05	8.37413E-05	8.39349E-05	8.71916E-05	9.13018E-05	4.55052E-05	8.37413E-05	7.86196E-05
7814	8.57541E-05	9.04757E-05	2.87158E-05	8.47504E-05	8.3293E-05	8.78434E-05	9.19696E-05	4.59943E-05	8.47504E-05	7.79696E-05
7815	8.78406E-05	9.27047E-05	2.90809E-05	8.68742E-05	8.80464E-05	9.00566E-05	9.43095E-05	4.69231E-05	8.68742E-05	8.18448E-05
7816	9.42651E-05	9.95086E-05	3.09224E-05	9.28997E-05	8.55002E-05	9.65444E-05	0.000101144	4.98913E-05	9.28997E-05	7.92671E-05
7817	0.000103902	0.000109719	3.36374E-05	0.000101971	8.37308E-05	0.000106298	0.000111421	5.43357E-05	0.000101971	7.74749E-05
7818	0.00011323	0.000119472	3.78265E-05	0.000108988	8.23196E-05	0.00011475	0.000120309	5.83643E-05	0.000108988	7.60486E-05
7819	0.000120025	0.000126409	4.29038E-05	0.000112249	6.84332E-05	0.000119812	0.000125582	6.12895E-05	0.000112249	6.38819E-05

7820	0.000119523	0.000125732	4.4526E-05	0.000110106	5.72288E-05	0.000118326	0.000123978	6.10029E-05	0.000110106	5.44471E-05
7821	0.000117078	0.000123172	4.34648E-05	0.000105674	4.96759E-05	0.000114986	0.000120504	5.90191E-05	0.000105674	4.77514E-05
7822	0.000110612	0.00011647	3.98375E-05	9.85293E-05	4.4554E-05	0.000108249	0.000113499	5.50004E-05	9.85293E-05	4.35268E-05
7823	9.93667E-05	0.000104712	3.47985E-05	8.98935E-05	4.32481E-05	9.79823E-05	0.000102712	5.00123E-05	8.98935E-05	4.22089E-05
7824	9.03032E-05	9.53134E-05	2.97788E-05	8.41892E-05	4.23095E-05	9.03887E-05	9.47361E-05	4.6297E-05	8.41892E-05	4.12623E-05
7825	7.6942E-05	8.13426E-05	2.37813E-05	7.37264E-05	4.25104E-05	7.8105E-05	8.18419E-05	4.02037E-05	7.37264E-05	4.14941E-05
7826	7.45215E-05	7.88679E-05	2.20156E-05	7.28432E-05	4.28944E-05	7.64149E-05	8.00632E-05	3.94122E-05	7.28432E-05	4.18866E-05
7827	7.40101E-05	7.83561E-05	2.15077E-05	7.32162E-05	4.38803E-05	7.6318E-05	7.99393E-05	3.95901E-05	7.32162E-05	4.28918E-05
7828	7.69812E-05	8.15125E-05	2.22415E-05	7.67695E-05	4.59813E-05	7.96651E-05	8.34297E-05	4.14836E-05	7.67695E-05	4.50237E-05
7829	8.39674E-05	8.88857E-05	2.45522E-05	8.37415E-05	4.83965E-05	8.68548E-05	9.09556E-05	4.52635E-05	8.37415E-05	4.74714E-05
7830	9.27247E-05	9.81151E-05	2.76063E-05	9.17182E-05	4.85303E-05	9.55162E-05	0.000100052	4.95123E-05	9.17182E-05	4.75784E-05
7831	9.55936E-05	0.000100994	3.03485E-05	9.6165E-05	8.93492E-05	9.88889E-05	0.000103462	5.25072E-05	9.6165E-05	8.32403E-05
7832	9.33911E-05	9.85537E-05	3.10249E-05	9.59311E-05	8.76971E-05	9.72633E-05	0.000101649	5.27803E-05	9.59311E-05	8.1533E-05
7833	9.08215E-05	9.57993E-05	3.06871E-05	9.28334E-05	8.78783E-05	9.4314E-05	9.85515E-05	5.1336E-05	9.28334E-05	8.17074E-05
7834	8.8948E-05	9.38093E-05	3.02218E-05	8.88925E-05	8.81074E-05	9.14737E-05	9.56815E-05	4.8798E-05	8.88925E-05	8.19292E-05
7835	8.78696E-05	9.26605E-05	2.99943E-05	8.63059E-05	8.89523E-05	8.96962E-05	9.38947E-05	4.71149E-05	8.63059E-05	8.27744E-05
7836	8.59872E-05	9.07009E-05	2.90434E-05	8.38976E-05	8.34262E-05	8.75801E-05	9.17347E-05	4.54431E-05	8.38976E-05	7.81112E-05
7837	8.54722E-05	9.01506E-05	2.89546E-05	8.37413E-05	8.39349E-05	8.71916E-05	9.13018E-05	4.55052E-05	8.37413E-05	7.86196E-05
7838	8.57541E-05	9.04757E-05	2.87158E-05	8.47504E-05	8.3293E-05	8.78434E-05	9.19696E-05	4.59943E-05	8.47504E-05	7.79696E-05
7839	8.78406E-05	9.27047E-05	2.90809E-05	8.68742E-05	8.80464E-05	9.00566E-05	9.43095E-05	4.69231E-05	8.68742E-05	8.18448E-05
7840	9.42651E-05	9.95086E-05	3.09224E-05	9.28997E-05	8.55002E-05	9.65444E-05	0.000101144	4.98913E-05	9.28997E-05	7.92671E-05
7841	0.000103902	0.000109719	3.36374E-05	0.000101971	8.37308E-05	0.000106298	0.000111421	5.43357E-05	0.000101971	7.74749E-05
7842	0.00011323	0.000119472	3.78265E-05	0.000108988	8.23196E-05	0.00011475	0.000120309	5.83643E-05	0.000108988	7.60486E-05
7843	0.000120025	0.000126409	4.29038E-05	0.000112249	6.84332E-05	0.000119812	0.000125582	6.12895E-05	0.000112249	6.38819E-05
7844	0.000119523	0.000125732	4.4526E-05	0.000110106	5.72288E-05	0.000118326	0.000123978	6.10029E-05	0.000110106	5.44471E-05
7845	0.000117078	0.000123172	4.34648E-05	0.000105674	4.96759E-05	0.000114986	0.000120504	5.90191E-05	0.000105674	4.77514E-05
7846	0.000110612	0.00011647	3.98375E-05	9.85293E-05	4.4554E-05	0.000108249	0.000113499	5.50004E-05	9.85293E-05	4.35268E-05
7847	9.93667E-05	0.000104712	3.47985E-05	8.98935E-05	4.32481E-05	9.79823E-05	0.000102712	5.00123E-05	8.98935E-05	4.22089E-05
7848	9.03032E-05	9.53134E-05	2.97788E-05	8.41892E-05	4.23095E-05	9.03887E-05	9.47361E-05	4.6297E-05	8.41892E-05	4.12623E-05
7849	7.6942E-05	8.13426E-05	2.37813E-05	7.37264E-05	4.25104E-05	7.8105E-05	8.18419E-05	4.02037E-05	7.37264E-05	4.14941E-05
7850	7.45215E-05	7.88679E-05	2.20156E-05	7.28432E-05	4.28944E-05	7.64149E-05	8.00632E-05	3.94122E-05	7.28432E-05	4.18866E-05
7851	7.40101E-05	7.83561E-05	2.15077E-05	7.32162E-05	4.38803E-05	7.6318E-05	7.99393E-05	3.95901E-05	7.32162E-05	4.28918E-05
7852	7.69812E-05	8.15125E-05	2.22415E-05	7.67695E-05	4.59813E-05	7.96651E-05	8.34297E-05	4.14836E-05	7.67695E-05	4.50237E-05
7853	8.39674E-05	8.88857E-05	2.45522E-05	8.37415E-05	4.83965E-05	8.68548E-05	9.09556E-05	4.52635E-05	8.37415E-05	4.74714E-05
7854	9.27247E-05	9.81151E-05	2.76063E-05	9.17182E-05	4.85303E-05	9.55162E-05	0.000100052	4.95123E-05	9.17182E-05	4.75784E-05
7855	9.55936E-05	0.000100994	3.03485E-05	9.6165E-05	8.93492E-05	9.88889E-05	0.000103462	5.25072E-05	9.6165E-05	8.32403E-05
7856	9.33911E-05	9.85537E-05	3.10249E-05	9.59311E-05	8.76971E-05	9.72633E-05	0.000101649	5.27803E-05	9.59311E-05	8.1533E-05
7857	9.08215E-05	9.57993E-05	3.06871E-05	9.28334E-05	8.78783E-05	9.4314E-05	9.85515E-05	5.1336E-05	9.28334E-05	8.17074E-05
7858	8.8948E-05	9.38093E-05	3.02218E-05	8.88925E-05	8.81074E-05	9.14737E-05	9.56815E-05	4.8798E-05	8.88925E-05	8.19292E-05
7859	8.78696E-05	9.26605E-05	2.99943E-05	8.63059E-05	8.89523E-05	8.96962E-05	9.38947E-05	4.71149E-05	8.63059E-05	8.27744E-05
7860	8.59872E-05	9.07009E-05	2.90434E-05	8.38976E-05	8.34262E-05	8.75801E-05	9.17347E-05	4.54431E-05	8.38976E-05	7.81112E-05
7861	8.54722E-05	9.01506E-05	2.89546E-05	8.37413E-05	8.39349E-05	8.71916E-05	9.13018E-05	4.55052E-05	8.37413E-05	7.86196E-05
7862	8.57541E-05	9.04757E-05	2.87158E-05	8.47504E-05	8.3293E-05	8.78434E-05	9.19696E-05	4.59943E-05	8.47504E-05	7.79696E-05
7863	8.78406E-05	9.27047E-05	2.90809E-05	8.68742E-05	8.80464E-05	9.00566E-05	9.43095E-05	4.69231E-05	8.68742E-05	8.18448E-05
7864	9.42651E-05	9.95086E-05	3.09224E-05	9.28997E-05	8.55002E-05	9.65444E-05	0.000101144	4.98913E-05	9.28997E-05	7.92671E-05
7865	0.000103902	0.000109719	3.36374E-05	0.000101971	8.37308E-05	0.000106298	0.000111421	5.43357E-05	0.000101971	7.74749E-05
7866	0.00011323	0.000119472	3.78265E-05	0.000108988	8.23196E-05	0.00011475	0.000120309	5.83643E-05	0.000108988	7.60486E-05
7867	0.000120025	0.000126409	4.29038E-05	0.000112249	6.84332E-05	0.000119812	0.000125582	6.12895E-05	0.000112249	6.38819E-05
7868	0.000119523	0.000125732	4.4526E-05	0.000110106	5.72288E-05	0.000118326	0.000123978	6.10029E-05	0.000110106	5.44471E-05
7869	0.000117078	0.000123172	4.34648E-05	0.000105674	4.96759E-05	0.000114986	0.000120504	5.90191E-05	0.000105674	4.77514E-05
7870	0.000110612	0.00011647	3.98375E-05	9.85293E-05	4.4554E-05	0.000108249	0.000113499	5.50004E-05	9.85293E-05	4.35268E-05
7871	9.93667E-05	0.000104712	3.47985E-05	8.98935E-05	4.32481E-05	9.79823E-05	0.000102712	5.00123E-05	8.98935E-05	4.22089E-05
7872	9.03032E-05	9.53134E-05	2.97788E-05	8.41892E-05	4.23095E-05	9.03887E-05	9.47361E-05	4.6297E-05	8.41892E-05	4.12623E-05
7873	7.78062E-05	8.22618E-05	2.39813E-05	7.45282E-05	4.21208E-05	7.8981E-05	8.2769E-05	4.05619E-05	7.45282E-05	4.10965E-05
7874	7.44001E-05	7.87372E-05	2.2005E-05	7.27958E-05	4.29653E-05	7.63172E-05	7.99546E-05	3.9426E-05	7.27958E-05	4.196E-05
7875	7.39222E-05	7.82611E-05	2.15067E-05	7.32064E-05	4.39847E-05	7.62568E-05	7.98687E-05	3.96241E-05	7.32064E-05	4.29991E-05
7876	7.69304E-05	8.14555E-05	2.2266E-05	7.68569E-05	4.61324E-05	7.9666E-05	8.34197E-05	4.15947E-05	7.68569E-05	4.51782E-05
7877	8.39319E-05	8.88462E-05	2.45658E-05	8.37895E-05	4.85991E-05	8.68503E-05	9.09443E-05	4.53282E-05	8.37895E-05	4.7678E-05
7878	9.25994E-05	9.79814E-05	2.75832E-05	9.16239E-05	4.88462E-05	9.53978E-05	9.9925E-05	4.94819E-05	9.16239E-05	4.78995E-05
7879	9.68753E-05	0.000102381	3.03584E-05	9.61079E-05	8.99183E-05	9.96923E-05	0.000104349	5.24607E-05	9.61079E-05	8.38181E-05
7880	9.29587E-05	9.80945E-05	3.09162E-05	9.54981E-05	8.85196E-05	9.68126E-05	0.000101175	5.25698E-05	9.54981E-05	8.23672E-05
7881	9.0083E-05	9.50113E-05	3.05469E-05	9.22621E-05	8.86992E-05	9.36098E-05	9.7797E-05	5.11417E-05	9.22621E-05	8.25392E-05
7882	8.78689E-05	9.26627E-05	2.99583E-05	8.78402E-05	8.88836E-05	9.036E-05	9.45069E-05	4.83005E-05	8.78402E-05	8.27149E-05
7883	8.6503E-05	9.12075E-05	2.96704E-05	8.501E-05	8.97027E-05	8.83E-05	9.24193E-05	4.6521E-05	8.501E-05	8.3533E-05
7884	8.45703E-05	8.91936E-05	2.87193E-05	8.25974E-05	8.41867E-05	8.61494E-05	9.02195E-05	4.48699E-05	8.25974E-05	7.88793E-05
7885	8.41568E-05	8.8753E-05	2.86337E-05	8.24598E-05	8.4697E-05	8.58344E-05	8.98705E-05	4.49E-05	8.24598E-05	7.93879E-05
7886	8.41695E-05	8.8791E-05	2.83406E-05	8.32489E-05	8.38976E-05	8.62249E-05	9.02594E-05	4.53066E-05	8.32489E-05	7.85778E-05
7887	8.6863E-05	9.16653E-05	2.88492E-05	8.59471E-05	8.85446E-05	8.90578E-05	9.32541E-05	4.64981E-05	8.59471E-05	8.23453E-05
7888	9.33596E-05	9.85496E-05	3.06618E-05	9.18702E-05	8.59082E-05	9.55528E-05	0.00010011	4.933E-05	9.18702E-05	7.96771E-05
7889	0.000103303	0.000109085	3.34582E-05	0.000101265	8.40666E-05	0.000105632	0.000110729	5.39396E-05	0.000101265	7.78127E-05
7890	0.000112423	0.000118618	3.75891E-05	0.000108052	8.25829E-05	0.000113858	0.000119381	5.78455E-05	0.000108052	7.6314E-05
7891	0.000119292	0.000125632	4.27046E-05	0.000111459	6.86816E-05	0.000119026	0.00012476	6.0878E-05	0.000111459	6.41326E-05
7892	0.000118824	0.000124991	4.43203E-05	0.000109295	5.7459E-05	0.000117553	0.000123173	6.05534E-05	0.000109295	5.46801E-05
7893	0.000114886	0.00012082	4.31959E-05	0.000104708	4.98736E-05	0.00011319	0.000118581	5.85127E-05	0.000104708	4.79517E-05
7894	0.000109931	0.000115749	3.96417E-05	9.77555E-05	4.47173E-05	0.000107503	0.000112721	5.45787E-05	9.77555E-05	4.36925E-05
7895	9.88742E-05	0.000104191	3.46396E-05	8.92698E-05	4.32914E-05	9.74181E-05	0.000102128	4.96444E-05	8.92698E-05	4.22524E-05

7896	8.9954E-05	9.49443E-05	2.9669E-05	8.37576E-05	4.21905E-05	8.99928E-05	9.43258E-05	4.60466E-05	8.37576E-05	4.11412E-05
7897	7.6942E-05	8.13426E-05	2.37813E-05	7.37264E-05	4.25104E-05	7.8105E-05	8.18419E-05	4.02037E-05	7.37264E-05	4.14941E-05
7898	7.45215E-05	7.88679E-05	2.20156E-05	7.28432E-05	4.28944E-05	7.64149E-05	8.00632E-05	3.94122E-05	7.28432E-05	4.18866E-05
7899	7.40101E-05	7.83561E-05	2.15077E-05	7.32162E-05	4.38803E-05	7.6318E-05	7.99393E-05	3.95901E-05	7.32162E-05	4.28918E-05
7900	7.69812E-05	8.15125E-05	2.22415E-05	7.67695E-05	4.59813E-05	7.96651E-05	8.34297E-05	4.14836E-05	7.67695E-05	4.50237E-05
7901	8.39674E-05	8.88857E-05	2.45522E-05	8.37415E-05	4.83965E-05	8.68548E-05	9.09556E-05	4.52635E-05	8.37415E-05	4.74714E-05
7902	9.27247E-05	9.81151E-05	2.76063E-05	9.17182E-05	4.85303E-05	9.55162E-05	0.000100052	4.95123E-05	9.17182E-05	4.75784E-05
7903	9.55936E-05	0.000100994	3.03485E-05	9.6165E-05	8.93492E-05	9.88889E-05	0.000103462	5.25072E-05	9.6165E-05	8.32403E-05
7904	9.33911E-05	9.85537E-05	3.10249E-05	9.59311E-05	8.76971E-05	9.72633E-05	0.000101649	5.27803E-05	9.59311E-05	8.1533E-05
7905	9.08215E-05	9.57993E-05	3.06871E-05	9.28334E-05	8.78783E-05	9.4314E-05	9.85515E-05	5.1336E-05	9.28334E-05	8.17074E-05
7906	8.8948E-05	9.38093E-05	3.02218E-05	8.88925E-05	8.81074E-05	9.14737E-05	9.56815E-05	4.8798E-05	8.88925E-05	8.19292E-05
7907	8.78696E-05	9.26605E-05	2.99943E-05	8.63059E-05	8.89523E-05	8.96962E-05	9.38947E-05	4.71149E-05	8.63059E-05	8.27744E-05
7908	8.59872E-05	9.07009E-05	2.90434E-05	8.38976E-05	8.34262E-05	8.75801E-05	9.17347E-05	4.54431E-05	8.38976E-05	7.81112E-05
7909	8.54722E-05	9.01506E-05	2.89546E-05	8.37413E-05	8.39349E-05	8.71916E-05	9.13018E-05	4.55052E-05	8.37413E-05	7.86196E-05
7910	8.57541E-05	9.04757E-05	2.87158E-05	8.47504E-05	8.3293E-05	8.78434E-05	9.19696E-05	4.59943E-05	8.47504E-05	7.79696E-05
7911	8.78406E-05	9.27047E-05	2.90809E-05	8.68742E-05	8.80464E-05	9.00566E-05	9.43095E-05	4.69231E-05	8.68742E-05	8.18448E-05
7912	9.42651E-05	9.95086E-05	3.09224E-05	9.28997E-05	8.55002E-05	9.65444E-05	0.000101144	4.98913E-05	9.28997E-05	7.92671E-05
7913	0.000103902	0.000109719	3.36374E-05	0.000101971	8.37308E-05	0.000106298	0.000111421	5.43357E-05	0.000101971	7.74749E-05
7914	0.00011323	0.000119472	3.78265E-05	0.000108988	8.23196E-05	0.00011475	0.000120309	5.83643E-05	0.000108988	7.60486E-05
7915	0.000120025	0.000126409	4.29038E-05	0.000112249	6.84332E-05	0.000119812	0.000125582	6.12895E-05	0.000112249	6.38819E-05
7916	0.000119523	0.000125732	4.4526E-05	0.000110106	5.72288E-05	0.000118326	0.000123978	6.10029E-05	0.000110106	5.44471E-05
7917	0.000117078	0.000123172	4.34648E-05	0.000105674	4.96759E-05	0.000114986	0.000120504	5.90191E-05	0.000105674	4.77514E-05
7918	0.000110612	0.00011647	3.98375E-05	9.85293E-05	4.4554E-05	0.000108249	0.000113499	5.50004E-05	9.85293E-05	4.35268E-05
7919	9.93667E-05	0.000104712	3.47985E-05	8.98935E-05	4.32481E-05	9.79823E-05	0.000102712	5.00123E-05	8.98935E-05	4.22089E-05
7920	9.03032E-05	9.53134E-05	2.97788E-05	8.41892E-05	4.23095E-05	9.03887E-05	9.47361E-05	4.6297E-05	8.41892E-05	4.12623E-05
7921	7.78062E-05	8.22618E-05	2.39813E-05	7.45282E-05	4.21208E-05	7.8981E-05	8.2769E-05	4.05619E-05	7.45282E-05	4.10965E-05
7922	7.44001E-05	7.87372E-05	2.2005E-05	7.27958E-05	4.29653E-05	7.63172E-05	7.99546E-05	3.9426E-05	7.27958E-05	4.196E-05
7923	7.39222E-05	7.82611E-05	2.15067E-05	7.32064E-05	4.39847E-05	7.62568E-05	7.98687E-05	3.96241E-05	7.32064E-05	4.29991E-05
7924	7.69304E-05	8.14555E-05	2.2266E-05	7.68569E-05	4.61324E-05	7.9666E-05	8.34197E-05	4.15947E-05	7.68569E-05	4.51782E-05
7925	8.39319E-05	8.88462E-05	2.45658E-05	8.37895E-05	4.85991E-05	8.68503E-05	9.09443E-05	4.53282E-05	8.37895E-05	4.7678E-05
7926	9.25994E-05	9.79814E-05	2.75832E-05	9.16239E-05	4.88462E-05	9.53978E-05	9.9925E-05	4.94819E-05	9.16239E-05	4.78995E-05
7927	9.68753E-05	0.000102381	3.03584E-05	9.61079E-05	8.99183E-05	9.96923E-05	0.000104349	5.24607E-05	9.61079E-05	8.38181E-05
7928	9.29587E-05	9.80945E-05	3.09162E-05	9.54981E-05	8.85196E-05	9.68126E-05	0.000101175	5.25698E-05	9.54981E-05	8.23672E-05
7929	9.0083E-05	9.50113E-05	3.05469E-05	9.22621E-05	8.86992E-05	9.36098E-05	9.7797E-05	5.11417E-05	9.22621E-05	8.25392E-05
7930	8.78689E-05	9.26627E-05	2.99583E-05	8.78402E-05	8.88836E-05	9.036E-05	9.45069E-05	4.83005E-05	8.78402E-05	8.27149E-05
7931	8.6503E-05	9.12075E-05	2.96704E-05	8.501E-05	8.97027E-05	8.83E-05	9.24193E-05	4.6521E-05	8.501E-05	8.3533E-05
7932	8.45703E-05	8.91936E-05	2.87193E-05	8.25974E-05	8.41867E-05	8.61494E-05	9.02195E-05	4.48699E-05	8.25974E-05	7.88793E-05
7933	8.41568E-05	8.8753E-05	2.86337E-05	8.24598E-05	8.4697E-05	8.58344E-05	8.98705E-05	4.49E-05	8.24598E-05	7.93879E-05
7934	8.41695E-05	8.8791E-05	2.83406E-05	8.32489E-05	8.38976E-05	8.62249E-05	9.02594E-05	4.53066E-05	8.32489E-05	7.85778E-05
7935	8.6863E-05	9.16653E-05	2.88492E-05	8.59471E-05	8.85446E-05	8.90578E-05	9.32541E-05	4.64981E-05	8.59471E-05	8.23453E-05
7936	9.33596E-05	9.85496E-05	3.06618E-05	9.18702E-05	8.59082E-05	9.55528E-05	0.00010011	4.933E-05	9.18702E-05	7.96771E-05
7937	0.000103303	0.000109085	3.34582E-05	0.000101265	8.40666E-05	0.000105632	0.000110729	5.39396E-05	0.000101265	7.78127E-05
7938	0.000112423	0.000118618	3.75891E-05	0.000108052	8.25829E-05	0.000113858	0.000119381	5.78455E-05	0.000108052	7.6314E-05
7939	0.000119292	0.000125632	4.27046E-05	0.000111459	6.86816E-05	0.000119026	0.00012476	6.0878E-05	0.000111459	6.41326E-05
7940	0.000118824	0.000124991	4.43203E-05	0.000109295	5.7459E-05	0.000117553	0.000123173	6.05534E-05	0.000109295	5.46801E-05
7941	0.000114886	0.00012082	4.31959E-05	0.000104708	4.98736E-05	0.00011319	0.000118581	5.85127E-05	0.000104708	4.79517E-05
7942	0.000109931	0.000115749	3.96417E-05	9.77555E-05	4.47173E-05	0.000107503	0.000112721	5.45787E-05	9.77555E-05	4.36925E-05
7943	9.88742E-05	0.000104191	3.46396E-05	8.92698E-05	4.32914E-05	9.74181E-05	0.000102128	4.96444E-05	8.92698E-05	4.22524E-05
7944	8.9954E-05	9.49443E-05	2.9669E-05	8.37576E-05	4.21905E-05	8.99928E-05	9.43258E-05	4.60466E-05	8.37576E-05	4.11412E-05
7945	7.78062E-05	8.22618E-05	2.39813E-05	7.45282E-05	4.21208E-05	7.8981E-05	8.2769E-05	4.05619E-05	7.45282E-05	4.10965E-05
7946	7.44001E-05	7.87372E-05	2.2005E-05	7.27958E-05	4.29653E-05	7.63172E-05	7.99546E-05	3.9426E-05	7.27958E-05	4.196E-05
7947	7.39222E-05	7.82611E-05	2.15067E-05	7.32064E-05	4.39847E-05	7.62568E-05	7.98687E-05	3.96241E-05	7.32064E-05	4.29991E-05
7948	7.69304E-05	8.14555E-05	2.2266E-05	7.68569E-05	4.61324E-05	7.9666E-05	8.34197E-05	4.15947E-05	7.68569E-05	4.51782E-05
7949	8.39319E-05	8.88462E-05	2.45658E-05	8.37895E-05	4.85991E-05	8.68503E-05	9.09443E-05	4.53282E-05	8.37895E-05	4.7678E-05
7950	9.25994E-05	9.79814E-05	2.75832E-05	9.16239E-05	4.88462E-05	9.53978E-05	9.9925E-05	4.94819E-05	9.16239E-05	4.78995E-05
7951	9.68753E-05	0.000102381	3.03584E-05	9.61079E-05	8.99183E-05	9.96923E-05	0.000104349	5.24607E-05	9.61079E-05	8.38181E-05
7952	9.29587E-05	9.80945E-05	3.09162E-05	9.54981E-05	8.85196E-05	9.68126E-05	0.000101175	5.25698E-05	9.54981E-05	8.23672E-05
7953	9.0083E-05	9.50113E-05	3.05469E-05	9.22621E-05	8.86992E-05	9.36098E-05	9.7797E-05	5.11417E-05	9.22621E-05	8.25392E-05
7954	8.78689E-05	9.26627E-05	2.99583E-05	8.78402E-05	8.88836E-05	9.036E-05	9.45069E-05	4.83005E-05	8.78402E-05	8.27149E-05
7955	8.6503E-05	9.12075E-05	2.96704E-05	8.501E-05	8.97027E-05	8.83E-05	9.24193E-05	4.6521E-05	8.501E-05	8.3533E-05
7956	8.45703E-05	8.91936E-05	2.87193E-05	8.25974E-05	8.41867E-05	8.61494E-05	9.02195E-05	4.48699E-05	8.25974E-05	7.88793E-05
7957	8.41568E-05	8.8753E-05	2.86337E-05	8.24598E-05	8.4697E-05	8.58344E-05	8.98705E-05	4.49E-05	8.24598E-05	7.93879E-05
7958	8.41695E-05	8.8791E-05	2.83406E-05	8.32489E-05	8.38976E-05	8.62249E-05	9.02594E-05	4.53066E-05	8.32489E-05	7.85778E-05
7959	8.6863E-05	9.16653E-05	2.88492E-05	8.59471E-05	8.85446E-05	8.90578E-05	9.32541E-05	4.64981E-05	8.59471E-05	8.23453E-05
7960	9.33596E-05	9.85496E-05	3.06618E-05	9.18702E-05	8.59082E-05	9.55528E-05	0.00010011	4.933E-05	9.18702E-05	7.96771E-05
7961	0.000103303	0.000109085	3.34582E-05	0.000101265	8.40666E-05	0.000105632	0.000110729	5.39396E-05	0.000101265	7.78127E-05
7962	0.000112423	0.000118618	3.75891E-05	0.000108052	8.25829E-05	0.000113858	0.000119381	5.78455E-05	0.000108052	7.6314E-05
7963	0.000119292	0.000125632	4.27046E-05	0.000111459	6.86816E-05	0.000119026	0.00012476	6.0878E-05	0.000111459	6.41326E-05
7964	0.000118824	0.000124991	4.43203E-05	0.000109295	5.7459E-05	0.000117553	0.000123173	6.05534E-05	0.000109295	5.46801E-05
7965	0.000114886	0.00012082	4.31959E-05	0.000104708	4.98736E-05	0.00011319	0.000118581	5.85127E-05	0.000104708	4.79517E-05
7966	0.000109931	0.000115749	3.96417E-05	9.77555E-05	4.47173E-05	0.000107503	0.000112721	5.45787E-05	9.77555E-05	4.36925E-05
7967	9.88742E-05	0.000104191	3.46396E-05	8.92698E-05	4.32914E-05	9.74181E-05	0.000102128	4.96444E-05	8.92698E-05	4.22524E-05
7968	8.9954E-05	9.49443E-05	2.9669E-05	8.37576E-05	4.21905E-05	8.99928E-05	9.43258E-05	4.60466E-05	8.37576E-05	4.11412E-05
7969	7.6942E-05	8.13426E-05	2.37813E-05	7.37264E-05	4.25104E-05	7.8105E-05	8.18419E-05	4.02037E-05	7.37264E-05	4.14941E-05
7970	7.45215E-05	7.88679E-05	2.20156E-05	7.28432E-05	4.28944E-05	7.64149E-05	8.00632E-05	3.94122E-05	7.28432E-05	4.18866E-05
7971	7.40101E-05	7.83561E-05	2.15077E-05	7.32162E-05	4.38803E-05	7.6318E-05	7.99393E-05	3.95901E-05	7.32162E-05	4.28918E-05

7972	7.69812E-05	8.15125E-05	2.22415E-05	7.67695E-05	4.59813E-05	7.96651E-05	8.34297E-05	4.14836E-05	7.67695E-05	4.50237E-05
7973	8.39674E-05	8.88857E-05	2.45522E-05	8.37415E-05	4.83965E-05	8.68548E-05	9.09556E-05	4.52635E-05	8.37415E-05	4.74714E-05
7974	9.27247E-05	9.81151E-05	2.76063E-05	9.17182E-05	4.85303E-05	9.55162E-05	0.000100052	4.95123E-05	9.17182E-05	4.75784E-05
7975	9.55936E-05	0.000100994	3.03485E-05	9.6165E-05	8.93492E-05	9.88889E-05	0.000103462	5.25072E-05	9.6165E-05	8.32403E-05
7976	9.33911E-05	9.85537E-05	3.10249E-05	9.59311E-05	8.76971E-05	9.72633E-05	0.000101649	5.27803E-05	9.59311E-05	8.1533E-05
7977	9.08215E-05	9.57993E-05	3.06871E-05	9.28334E-05	8.78783E-05	9.4314E-05	9.85515E-05	5.1336E-05	9.28334E-05	8.17074E-05
7978	8.8948E-05	9.38093E-05	3.02218E-05	8.88925E-05	8.81074E-05	9.14737E-05	9.56815E-05	4.8798E-05	8.88925E-05	8.19292E-05
7979	8.78696E-05	9.26605E-05	2.99943E-05	8.63059E-05	8.89523E-05	8.96962E-05	9.38947E-05	4.71149E-05	8.63059E-05	8.27744E-05
7980	8.59872E-05	9.07009E-05	2.90434E-05	8.38976E-05	8.34262E-05	8.75801E-05	9.17347E-05	4.54431E-05	8.38976E-05	7.81112E-05
7981	8.54722E-05	9.01506E-05	2.89546E-05	8.37413E-05	8.39349E-05	8.71916E-05	9.13018E-05	4.55052E-05	8.37413E-05	7.86196E-05
7982	8.57541E-05	9.04757E-05	2.87158E-05	8.47504E-05	8.3293E-05	8.78434E-05	9.19696E-05	4.59943E-05	8.47504E-05	7.79696E-05
7983	8.78406E-05	9.27047E-05	2.90809E-05	8.68742E-05	8.80464E-05	9.00566E-05	9.43095E-05	4.69231E-05	8.68742E-05	8.18448E-05
7984	9.42651E-05	9.95086E-05	3.09224E-05	9.28997E-05	8.55002E-05	9.65444E-05	0.000101144	4.98913E-05	9.28997E-05	7.92671E-05
7985	0.000103902	0.000109719	3.36374E-05	0.000101971	8.37308E-05	0.000106298	0.000111421	5.43357E-05	0.000101971	7.74749E-05
7986	0.00011323	0.000119472	3.78265E-05	0.000108988	8.23196E-05	0.00011475	0.000120309	5.83643E-05	0.000108988	7.60486E-05
7987	0.000120025	0.000126409	4.29038E-05	0.000112249	6.84332E-05	0.000119812	0.000125582	6.12895E-05	0.000112249	6.38819E-05
7988	0.000119523	0.000125732	4.4526E-05	0.000110106	5.72288E-05	0.000118326	0.000123978	6.10029E-05	0.000110106	5.44471E-05
7989	0.000117078	0.000123172	4.34648E-05	0.000105674	4.96759E-05	0.000114986	0.000120504	5.90191E-05	0.000105674	4.77514E-05
7990	0.000110612	0.00011647	3.98375E-05	9.85293E-05	4.4554E-05	0.000108249	0.000113499	5.50004E-05	9.85293E-05	4.35268E-05
7991	9.93667E-05	0.000104712	3.47985E-05	8.98935E-05	4.32481E-05	9.79823E-05	0.000102712	5.00123E-05	8.98935E-05	4.22089E-05
7992	9.03032E-05	9.53134E-05	2.97788E-05	8.41892E-05	4.23095E-05	9.03887E-05	9.47361E-05	4.6297E-05	8.41892E-05	4.12623E-05
7993	7.6942E-05	8.13426E-05	2.37813E-05	7.37264E-05	4.25104E-05	7.8105E-05	8.18419E-05	4.02037E-05	7.37264E-05	4.14941E-05
7994	7.45215E-05	7.88679E-05	2.20156E-05	7.28432E-05	4.28944E-05	7.64149E-05	8.00632E-05	3.94122E-05	7.28432E-05	4.18866E-05
7995	7.40101E-05	7.83561E-05	2.15077E-05	7.32162E-05	4.38803E-05	7.6318E-05	7.99393E-05	3.95901E-05	7.32162E-05	4.28918E-05
7996	7.69812E-05	8.15125E-05	2.22415E-05	7.67695E-05	4.59813E-05	7.96651E-05	8.34297E-05	4.14836E-05	7.67695E-05	4.50237E-05
7997	8.39674E-05	8.88857E-05	2.45522E-05	8.37415E-05	4.83965E-05	8.68548E-05	9.09556E-05	4.52635E-05	8.37415E-05	4.74714E-05
7998	9.27247E-05	9.81151E-05	2.76063E-05	9.17182E-05	4.85303E-05	9.55162E-05	0.000100052	4.95123E-05	9.17182E-05	4.75784E-05
7999	9.55936E-05	0.000100994	3.03485E-05	9.6165E-05	8.93492E-05	9.88889E-05	0.000103462	5.25072E-05	9.6165E-05	8.32403E-05
8000	9.33911E-05	9.85537E-05	3.10249E-05	9.59311E-05	8.76971E-05	9.72633E-05	0.000101649	5.27803E-05	9.59311E-05	8.1533E-05
8001	9.08215E-05	9.57993E-05	3.06871E-05	9.28334E-05	8.78783E-05	9.4314E-05	9.85515E-05	5.1336E-05	9.28334E-05	8.17074E-05
8002	8.8948E-05	9.38093E-05	3.02218E-05	8.88925E-05	8.81074E-05	9.14737E-05	9.56815E-05	4.8798E-05	8.88925E-05	8.19292E-05
8003	8.78696E-05	9.26605E-05	2.99943E-05	8.63059E-05	8.89523E-05	8.96962E-05	9.38947E-05	4.71149E-05	8.63059E-05	8.27744E-05
8004	8.59872E-05	9.07009E-05	2.90434E-05	8.38976E-05	8.34262E-05	8.75801E-05	9.17347E-05	4.54431E-05	8.38976E-05	7.81112E-05
8005	8.54722E-05	9.01506E-05	2.89546E-05	8.37413E-05	8.39349E-05	8.71916E-05	9.13018E-05	4.55052E-05	8.37413E-05	7.86196E-05
8006	8.57541E-05	9.04757E-05	2.87158E-05	8.47504E-05	8.3293E-05	8.78434E-05	9.19696E-05	4.59943E-05	8.47504E-05	7.79696E-05
8007	8.78406E-05	9.27047E-05	2.90809E-05	8.68742E-05	8.80464E-05	9.00566E-05	9.43095E-05	4.69231E-05	8.68742E-05	8.18448E-05
8008	9.42651E-05	9.95086E-05	3.09224E-05	9.28997E-05	8.55002E-05	9.65444E-05	0.000101144	4.98913E-05	9.28997E-05	7.92671E-05
8009	0.000103902	0.000109719	3.36374E-05	0.000101971	8.37308E-05	0.000106298	0.000111421	5.43357E-05	0.000101971	7.74749E-05
8010	0.00011323	0.000119472	3.78265E-05	0.000108988	8.23196E-05	0.00011475	0.000120309	5.83643E-05	0.000108988	7.60486E-05
8011	0.000120025	0.000126409	4.29038E-05	0.000112249	6.84332E-05	0.000119812	0.000125582	6.12895E-05	0.000112249	6.38819E-05
8012	0.000119523	0.000125732	4.4526E-05	0.000110106	5.72288E-05	0.000118326	0.000123978	6.10029E-05	0.000110106	5.44471E-05
8013	0.000117078	0.000123172	4.34648E-05	0.000105674	4.96759E-05	0.000114986	0.000120504	5.90191E-05	0.000105674	4.77514E-05
8014	0.000110612	0.00011647	3.98375E-05	9.85293E-05	4.4554E-05	0.000108249	0.000113499	5.50004E-05	9.85293E-05	4.35268E-05
8015	9.93667E-05	0.000104712	3.47985E-05	8.98935E-05	4.32481E-05	9.79823E-05	0.000102712	5.00123E-05	8.98935E-05	4.22089E-05
8016	9.03032E-05	9.53134E-05	2.97788E-05	8.41892E-05	4.23095E-05	9.03887E-05	9.47361E-05	4.6297E-05	8.41892E-05	4.12623E-05
8017	7.6942E-05	8.13426E-05	2.37813E-05	7.37264E-05	4.25104E-05	7.8105E-05	8.18419E-05	4.02037E-05	7.37264E-05	4.14941E-05
8018	7.45215E-05	7.88679E-05	2.20156E-05	7.28432E-05	4.28944E-05	7.64149E-05	8.00632E-05	3.94122E-05	7.28432E-05	4.18866E-05
8019	7.40101E-05	7.83561E-05	2.15077E-05	7.32162E-05	4.38803E-05	7.6318E-05	7.99393E-05	3.95901E-05	7.32162E-05	4.28918E-05
8020	7.69812E-05	8.15125E-05	2.22415E-05	7.67695E-05	4.59813E-05	7.96651E-05	8.34297E-05	4.14836E-05	7.67695E-05	4.50237E-05
8021	8.39674E-05	8.88857E-05	2.45522E-05	8.37415E-05	4.83965E-05	8.68548E-05	9.09556E-05	4.52635E-05	8.37415E-05	4.74714E-05
8022	9.27247E-05	9.81151E-05	2.76063E-05	9.17182E-05	4.85303E-05	9.55162E-05	0.000100052	4.95123E-05	9.17182E-05	4.75784E-05
8023	9.55936E-05	0.000100994	3.03485E-05	9.6165E-05	8.93492E-05	9.88889E-05	0.000103462	5.25072E-05	9.6165E-05	8.32403E-05
8024	9.33911E-05	9.85537E-05	3.10249E-05	9.59311E-05	8.76971E-05	9.72633E-05	0.000101649	5.27803E-05	9.59311E-05	8.1533E-05
8025	9.08215E-05	9.57993E-05	3.06871E-05	9.28334E-05	8.78783E-05	9.4314E-05	9.85515E-05	5.1336E-05	9.28334E-05	8.17074E-05
8026	8.8948E-05	9.38093E-05	3.02218E-05	8.88925E-05	8.81074E-05	9.14737E-05	9.56815E-05	4.8798E-05	8.88925E-05	8.19292E-05
8027	8.78696E-05	9.26605E-05	2.99943E-05	8.63059E-05	8.89523E-05	8.96962E-05	9.38947E-05	4.71149E-05	8.63059E-05	8.27744E-05
8028	8.59872E-05	9.07009E-05	2.90434E-05	8.38976E-05	8.34262E-05	8.75801E-05	9.17347E-05	4.54431E-05	8.38976E-05	7.81112E-05
8029	8.54722E-05	9.01506E-05	2.89546E-05	8.37413E-05	8.39349E-05	8.71916E-05	9.13018E-05	4.55052E-05	8.37413E-05	7.86196E-05
8030	8.57541E-05	9.04757E-05	2.87158E-05	8.47504E-05	8.3293E-05	8.78434E-05	9.19696E-05	4.59943E-05	8.47504E-05	7.79696E-05
8031	8.78406E-05	9.27047E-05	2.90809E-05	8.68742E-05	8.80464E-05	9.00566E-05	9.43095E-05	4.69231E-05	8.68742E-05	8.18448E-05
8032	9.42651E-05	9.95086E-05	3.09224E-05	9.28997E-05	8.55002E-05	9.65444E-05	0.000101144	4.98913E-05	9.28997E-05	7.92671E-05
8033	0.000103902	0.000109719	3.36374E-05	0.000101971	8.37308E-05	0.000106298	0.000111421	5.43357E-05	0.000101971	7.74749E-05
8034	0.00011323	0.000119472	3.78265E-05	0.000108988	8.23196E-05	0.00011475	0.000120309	5.83643E-05	0.000108988	7.60486E-05
8035	0.000120025	0.000126409	4.29038E-05	0.000112249	6.84332E-05	0.000119812	0.000125582	6.12895E-05	0.000112249	6.38819E-05
8036	0.000119523	0.000125732	4.4526E-05	0.000110106	5.72288E-05	0.000118326	0.000123978	6.10029E-05	0.000110106	5.44471E-05
8037	0.000117078	0.000123172	4.34648E-05	0.000105674	4.96759E-05	0.000114986	0.000120504	5.90191E-05	0.000105674	4.77514E-05
8038	0.000110612	0.00011647	3.98375E-05	9.85293E-05	4.4554E-05	0.000108249	0.000113499	5.50004E-05	9.85293E-05	4.35268E-05
8039	9.93667E-05	0.000104712	3.47985E-05	8.98935E-05	4.32481E-05	9.79823E-05	0.000102712	5.00123E-05	8.98935E-05	4.22089E-05
8040	9.03032E-05	9.53134E-05	2.97788E-05	8.41892E-05	4.23095E-05	9.03887E-05	9.47361E-05	4.6297E-05	8.41892E-05	4.12623E-05
8041	9.24473E-05	9.77142E-05	2.88219E-05	9.35019E-05	4.14601E-05	9.59221E-05	0.00010026	5.19253E-05	9.35019E-05	4.04316E-05
8042	8.90808E-05	9.42391E-05	2.67656E-05	9.14751E-05	4.18988E-05	9.31694E-05	9.73784E-05	5.04805E-05	9.14751E-05	4.08821E-05
8043	8.6758E-05	9.18045E-05	2.57945E-05	9.00041E-05	4.29712E-05	9.11728E-05	9.52572E-05	4.9747E-05	9.00041E-05	4.19777E-05
8044	8.84767E-05	9.36259E-05	2.62729E-05	9.25236E-05	4.48761E-05	9.33002E-05	9.74465E-05	5.12473E-05	9.25236E-05	4.39137E-05
8045	9.47676E-05	0.000100253	2.84966E-05	9.9125E-05	4.73751E-05	9.9892E-05	0.000104317	5.50085E-05	9.9125E-05	4.6442E-05
8046	0.000104616	0.000110656	3.16559E-05	0.000107567	4.80868E-05	0.000109446	0.000114403	5.91722E-05	0.000107567	4.71358E-05
8047	0.000109108	0.000115287	3.44622E-05	0.000112363	9.02461E-05	0.000114014	0.000119171	6.17036E-05	0.000112363	8.41509E-05

8048	0.000108288	0.000114327	3.53313E-05	0.000112939	9.004E-05	0.000113605	0.000118685	6.20857E-05	0.000112939	8.39111E-05
8049	0.000108037	0.000114021	3.57547E-05	0.000112826	9.09326E-05	0.000113331	0.000118351	6.24208E-05	0.000112826	8.48022E-05
8050	0.0001063	0.000112138	3.57799E-05	0.000110715	9.13251E-05	0.000111293	0.000116191	6.16133E-05	0.000110715	8.51931E-05
8051	0.0001046	0.000110308	3.56548E-05	0.000108467	9.17969E-05	0.000109242	0.000114041	6.05707E-05	0.000108467	8.56674E-05
8052	0.000103084	0.000108726	3.49241E-05	0.000106901	8.54228E-05	0.000107693	0.00011244	5.95449E-05	0.000106901	8.01549E-05
8053	0.000102005	0.000107595	3.44748E-05	0.000105368	8.5239E-05	0.0001064	0.00011112	5.85341E-05	0.000105368	7.99718E-05
8054	0.000100909	0.00010647	3.37275E-05	0.000104394	8.42329E-05	0.000105381	0.000110076	5.77608E-05	0.000104394	7.89559E-05
8055	0.000102278	0.000107933	3.39625E-05	0.000105986	8.88901E-05	0.000106918	0.00011169	5.85239E-05	0.000105986	8.27331E-05
8056	0.000111134	0.000117305	3.65813E-05	0.000115064	8.64417E-05	0.000116182	0.000121397	6.32821E-05	0.000115064	8.02514E-05
8057	0.000124227	0.000131188	4.01309E-05	0.00012747	8.41518E-05	0.000129488	0.000135424	6.92853E-05	0.00012747	7.79296E-05
8058	0.000136785	0.000144388	4.49306E-05	0.000136976	8.22805E-05	0.000141016	0.000147608	7.41534E-05	0.000136976	7.60342E-05
8059	0.000143798	0.000151569	4.99275E-05	0.000139953	6.81221E-05	0.00014611	0.000152955	7.66911E-05	0.000139953	6.35902E-05
8060	0.000141941	0.000149453	5.11834E-05	0.000136357	5.65621E-05	0.000143174	0.000149832	7.56512E-05	0.000136357	5.37943E-05
8061	0.000138532	0.000145884	4.97165E-05	0.000130353	4.87832E-05	0.000138593	0.0001451	7.26017E-05	0.000130353	4.6868E-05
8062	0.00013071	0.000137736	4.58263E-05	0.000122139	4.33443E-05	0.000130555	0.000136703	6.82064E-05	0.000122139	4.23203E-05
8063	0.000116627	0.000122954	4.0188E-05	0.000111084	4.20471E-05	0.000117495	0.000122942	6.22524E-05	0.000111084	4.10103E-05
8064	0.000106058	0.00011196	3.4759E-05	0.000103757	4.12706E-05	0.000108288	0.000113276	5.76908E-05	0.000103757	4.02267E-05
8065	9.24473E-05	9.77142E-05	2.88219E-05	9.35019E-05	4.14601E-05	9.59221E-05	0.00010026	5.19253E-05	9.35019E-05	4.04316E-05
8066	8.90808E-05	9.42391E-05	2.67656E-05	9.14751E-05	4.18988E-05	9.31694E-05	9.73784E-05	5.04805E-05	9.14751E-05	4.08821E-05
8067	8.6758E-05	9.18045E-05	2.57945E-05	9.00041E-05	4.29712E-05	9.11728E-05	9.52572E-05	4.9747E-05	9.00041E-05	4.19777E-05
8068	8.84767E-05	9.36259E-05	2.62729E-05	9.25236E-05	4.48761E-05	9.33002E-05	9.74465E-05	5.12473E-05	9.25236E-05	4.39137E-05
8069	9.47676E-05	0.000100253	2.84966E-05	9.9125E-05	4.73751E-05	9.9892E-05	0.000104317	5.50085E-05	9.9125E-05	4.6442E-05
8070	0.000104616	0.000110656	3.16559E-05	0.000107567	4.80868E-05	0.000109446	0.000114403	5.91722E-05	0.000107567	4.71358E-05
8071	0.000109108	0.000115287	3.44622E-05	0.000112363	9.02461E-05	0.000114014	0.000119171	6.17036E-05	0.000112363	8.41509E-05
8072	0.000108288	0.000114327	3.53313E-05	0.000112939	9.004E-05	0.000113605	0.000118685	6.20857E-05	0.000112939	8.39111E-05
8073	0.000108037	0.000114021	3.57547E-05	0.000112826	9.09326E-05	0.000113331	0.000118351	6.24208E-05	0.000112826	8.48022E-05
8074	0.0001063	0.000112138	3.57799E-05	0.000110715	9.13251E-05	0.000111293	0.000116191	6.16133E-05	0.000110715	8.51931E-05
8075	0.0001046	0.000110308	3.56548E-05	0.000108467	9.17969E-05	0.000109242	0.000114041	6.05707E-05	0.000108467	8.56674E-05
8076	0.000103084	0.000108726	3.49241E-05	0.000106901	8.54228E-05	0.000107693	0.00011244	5.95449E-05	0.000106901	8.01549E-05
8077	0.000102005	0.000107595	3.44748E-05	0.000105368	8.5239E-05	0.0001064	0.00011112	5.85341E-05	0.000105368	7.99718E-05
8078	0.000100909	0.00010647	3.37275E-05	0.000104394	8.42329E-05	0.000105381	0.000110076	5.77608E-05	0.000104394	7.89559E-05
8079	0.000102278	0.000107933	3.39625E-05	0.000105986	8.88901E-05	0.000106918	0.00011169	5.85239E-05	0.000105986	8.27331E-05
8080	0.000111134	0.000117305	3.65813E-05	0.000115064	8.64417E-05	0.000116182	0.000121397	6.32821E-05	0.000115064	8.02514E-05
8081	0.000124227	0.000131188	4.01309E-05	0.00012747	8.41518E-05	0.000129488	0.000135424	6.92853E-05	0.00012747	7.79296E-05
8082	0.000136785	0.000144388	4.49306E-05	0.000136976	8.22805E-05	0.000141016	0.000147608	7.41534E-05	0.000136976	7.60342E-05
8083	0.000143798	0.000151569	4.99275E-05	0.000139953	6.81221E-05	0.00014611	0.000152955	7.66911E-05	0.000139953	6.35902E-05
8084	0.000141941	0.000149453	5.11834E-05	0.000136357	5.65621E-05	0.000143174	0.000149832	7.56512E-05	0.000136357	5.37943E-05
8085	0.000138532	0.000145884	4.97165E-05	0.000130353	4.87832E-05	0.000138593	0.0001451	7.26017E-05	0.000130353	4.6868E-05
8086	0.00013071	0.000137736	4.58263E-05	0.000122139	4.33443E-05	0.000130555	0.000136703	6.82064E-05	0.000122139	4.23203E-05
8087	0.000116627	0.000122954	4.0188E-05	0.000111084	4.20471E-05	0.000117495	0.000122942	6.22524E-05	0.000111084	4.10103E-05
8088	0.000106058	0.00011196	3.4759E-05	0.000103757	4.12706E-05	0.000108288	0.000113276	5.76908E-05	0.000103757	4.02267E-05
8089	9.22442E-05	9.74994E-05	2.87592E-05	9.32551E-05	4.138E-05	9.56935E-05	0.000100023	5.17838E-05	9.32551E-05	4.03513E-05
8090	8.7792E-05	9.28767E-05	2.63662E-05	8.99039E-05	4.18771E-05	9.17167E-05	9.58715E-05	4.95774E-05	8.99039E-05	4.08608E-05
8091	8.54913E-05	9.04654E-05	2.54024E-05	8.8462E-05	4.29882E-05	8.97458E-05	9.37769E-05	4.88615E-05	8.8462E-05	4.19955E-05
8092	8.72578E-05	9.23365E-05	2.59042E-05	9.10714E-05	4.48348E-05	9.19394E-05	9.60325E-05	5.04263E-05	9.10714E-05	4.38721E-05
8093	9.35654E-05	9.89811E-05	2.81406E-05	9.77209E-05	4.72923E-05	9.85609E-05	0.000102932	5.42266E-05	9.77209E-05	4.63585E-05
8094	0.000103435	0.000109405	3.13033E-05	0.000106177	4.79304E-05	0.000108134	0.000113039	5.83939E-05	0.000106177	4.69771E-05
8095	0.000109348	0.000115572	3.41608E-05	0.000111078	9.00713E-05	0.000113659	0.000118854	6.09693E-05	0.000111078	8.39737E-05
8096	0.000106754	0.000112703	3.48902E-05	0.000111196	8.9819E-05	0.000111926	0.000116934	6.11359E-05	0.000111196	8.36866E-05
8097	0.00010607	0.000111937	3.51923E-05	0.000110603	9.06605E-05	0.000111182	0.000116109	6.1215E-05	0.000110603	8.45255E-05
8098	0.000103776	0.000109464	3.50632E-05	0.000107882	9.1078E-05	0.000108543	0.000113321	6.00838E-05	0.000107882	8.49419E-05
8099	0.000101774	0.000107314	3.48512E-05	0.00010529	9.16282E-05	0.000106161	0.000110825	5.88541E-05	0.00010529	8.5496E-05
8100	0.000100155	0.000105624	3.40863E-05	0.00010359	8.5245E-05	0.000104493	0.000109101	5.77479E-05	0.00010359	7.99746E-05
8101	9.90446E-05	0.000104461	3.36183E-05	0.000101985	8.50225E-05	0.000103151	0.000107733	5.66826E-05	0.000101985	7.9752E-05
8102	9.81015E-05	0.000103496	3.29319E-05	0.000101249	8.40364E-05	0.000102324	0.000106885	5.60658E-05	0.000101249	7.87563E-05
8103	9.97371E-05	0.000105242	3.32365E-05	0.000103117	8.87211E-05	0.000104144	0.000108795	5.69676E-05	0.000103117	8.25616E-05
8104	0.000108947	0.00011499	3.59378E-05	0.000112525	8.63319E-05	0.000113766	0.000118882	6.18748E-05	0.000112525	8.01402E-05
8105	0.000122231	0.000129077	3.95262E-05	0.000125089	8.40019E-05	0.000127258	0.000133107	6.79375E-05	0.000125089	7.77775E-05
8106	0.00013494	0.000142436	4.43791E-05	0.000134802	8.21147E-05	0.000138966	0.000145477	7.29345E-05	0.000134802	7.58659E-05
8107	0.000142044	0.000149713	4.93873E-05	0.000137827	6.78826E-05	0.000144138	0.000150908	7.5475E-05	0.000137827	6.33473E-05
8108	0.000140437	0.000147866	5.07006E-05	0.000134462	5.63806E-05	0.000141455	0.000148053	7.4536E-05	0.000134462	5.36105E-05
8109	0.000135763	0.000142925	4.92383E-05	0.00012857	4.86978E-05	0.000136103	0.000142464	7.15797E-05	0.00012857	4.67824E-05
8110	0.000129446	0.000136401	4.54272E-05	0.000120571	4.33316E-05	0.00012912	0.000135216	6.7294E-05	0.000120571	4.23085E-05
8111	0.000115547	0.000121812	3.98647E-05	0.00010981	4.20614E-05	0.000116295	0.000121694	6.15372E-05	0.00010981	4.1026E-05
8112	0.000105423	0.000111287	3.4579E-05	0.000103046	4.14238E-05	0.000107596	0.000112554	5.73075E-05	0.000103046	4.03831E-05
8113	9.22442E-05	9.74994E-05	2.87592E-05	9.32551E-05	4.138E-05	9.56935E-05	0.000100023	5.17838E-05	9.32551E-05	4.03513E-05
8114	8.7792E-05	9.28767E-05	2.63662E-05	8.99039E-05	4.18771E-05	9.17167E-05	9.58715E-05	4.95774E-05	8.99039E-05	4.08608E-05
8115	8.54913E-05	9.04654E-05	2.54024E-05	8.8462E-05	4.29882E-05	8.97458E-05	9.37769E-05	4.88615E-05	8.8462E-05	4.19955E-05
8116	8.72578E-05	9.23365E-05	2.59042E-05	9.10714E-05	4.48348E-05	9.19394E-05	9.60325E-05	5.04263E-05	9.10714E-05	4.38721E-05
8117	9.35654E-05	9.89811E-05	2.81406E-05	9.77209E-05	4.72923E-05	9.85609E-05	0.000102932	5.42266E-05	9.77209E-05	4.63585E-05
8118	0.000103435	0.000109405	3.13033E-05	0.000106177	4.79304E-05	0.000108134	0.000113039	5.83939E-05	0.000106177	4.69771E-05
8119	0.000109348	0.000115572	3.41608E-05	0.000111078	9.00713E-05	0.000113659	0.000118854	6.09693E-05	0.000111078	8.39737E-05
8120	0.000106754	0.000112703	3.48902E-05	0.000111196	8.9819E-05	0.000111926	0.000116934	6.11359E-05	0.000111196	8.36866E-05
8121	0.00010607	0.000111937	3.51923E-05	0.000110603	9.06605E-05	0.000111182	0.000116109	6.1215E-05	0.000110603	8.45255E-05
8122	0.000103776	0.000109464	3.50632E-05	0.000107882	9.1078E-05	0.000108543	0.000113321	6.00838E-05	0.000107882	8.49419E-05
8123	0.000101774	0.000107314	3.48512E-05	0.00010529	9.16282E-05	0.000106161	0.000110825	5.88541E-05	0.00010529	8.5496E-05

8124	0.000100155	0.000105624	3.40863E-05	0.00010359	8.5245E-05	0.000104493	0.000109101	5.77479E-05	0.00010359	7.99746E-05
8125	9.90446E-05	0.000104461	3.36183E-05	0.000101985	8.50225E-05	0.000103151	0.000107733	5.66826E-05	0.000101985	7.9752E-05
8126	9.81015E-05	0.000103496	3.29319E-05	0.000101249	8.40364E-05	0.000102324	0.000106885	5.60658E-05	0.000101249	7.87563E-05
8127	9.97371E-05	0.000105242	3.32365E-05	0.000103117	8.87211E-05	0.000104144	0.000108795	5.69676E-05	0.000103117	8.25616E-05
8128	0.000108947	0.00011499	3.59378E-05	0.000112525	8.63319E-05	0.000113766	0.000118882	6.18748E-05	0.000112525	8.01402E-05
8129	0.000122231	0.000129077	3.95262E-05	0.000125089	8.40019E-05	0.000127258	0.000133107	6.79375E-05	0.000125089	7.77775E-05
8130	0.00013494	0.000142436	4.43791E-05	0.000134802	8.21147E-05	0.000138966	0.000145477	7.29345E-05	0.000134802	7.58659E-05
8131	0.000142044	0.000149713	4.93873E-05	0.000137827	6.78826E-05	0.000144138	0.000150908	7.5475E-05	0.000137827	6.33473E-05
8132	0.000140437	0.000147866	5.07006E-05	0.000134462	5.63806E-05	0.000141455	0.000148053	7.4536E-05	0.000134462	5.36105E-05
8133	0.000135763	0.000142925	4.92383E-05	0.00012857	4.86978E-05	0.000136103	0.000142464	7.15797E-05	0.00012857	4.67824E-05
8134	0.000129446	0.000136401	4.54272E-05	0.000120571	4.33316E-05	0.00012912	0.000135216	6.7294E-05	0.000120571	4.23085E-05
8135	0.000115547	0.000121812	3.98647E-05	0.00010981	4.20614E-05	0.000116295	0.000121694	6.15372E-05	0.00010981	4.1026E-05
8136	0.000105423	0.000111287	3.4579E-05	0.000103046	4.14238E-05	0.000107596	0.000112554	5.73075E-05	0.000103046	4.03831E-05
8137	9.24473E-05	9.77142E-05	2.88219E-05	9.35019E-05	4.14601E-05	9.59221E-05	0.00010026	5.19253E-05	9.35019E-05	4.04316E-05
8138	8.90808E-05	9.42391E-05	2.67656E-05	9.14751E-05	4.18988E-05	9.31694E-05	9.73784E-05	5.04805E-05	9.14751E-05	4.08821E-05
8139	8.6758E-05	9.18045E-05	2.57945E-05	9.00041E-05	4.29712E-05	9.11728E-05	9.52572E-05	4.9747E-05	9.00041E-05	4.19777E-05
8140	8.84767E-05	9.36259E-05	2.62729E-05	9.25236E-05	4.48761E-05	9.33002E-05	9.74465E-05	5.12473E-05	9.25236E-05	4.39137E-05
8141	9.47676E-05	0.000100253	2.84966E-05	9.9125E-05	4.73751E-05	9.9892E-05	0.000104317	5.50085E-05	9.9125E-05	4.6442E-05
8142	0.000104616	0.000110656	3.16559E-05	0.000107567	4.80868E-05	0.000109446	0.000114403	5.91722E-05	0.000107567	4.71358E-05
8143	0.000109108	0.000115287	3.44622E-05	0.000112363	9.02461E-05	0.000114014	0.000119171	6.17036E-05	0.000112363	8.41509E-05
8144	0.000108288	0.000114327	3.53313E-05	0.000112939	9.004E-05	0.000113605	0.000118685	6.20857E-05	0.000112939	8.39111E-05
8145	0.000108037	0.000114021	3.57547E-05	0.000112826	9.09326E-05	0.000113331	0.000118351	6.24208E-05	0.000112826	8.48022E-05
8146	0.0001063	0.000112138	3.57799E-05	0.000110715	9.13251E-05	0.000111293	0.000116191	6.16133E-05	0.000110715	8.51931E-05
8147	0.0001046	0.000110308	3.56548E-05	0.000108467	9.17969E-05	0.000109242	0.000114041	6.05707E-05	0.000108467	8.56674E-05
8148	0.000103084	0.000108726	3.49241E-05	0.000106901	8.54228E-05	0.000107693	0.00011244	5.95449E-05	0.000106901	8.01549E-05
8149	0.000102005	0.000107595	3.44748E-05	0.000105368	8.5239E-05	0.0001064	0.00011112	5.85341E-05	0.000105368	7.99718E-05
8150	0.000100909	0.00010647	3.37275E-05	0.000104394	8.42329E-05	0.000105381	0.000110076	5.77608E-05	0.000104394	7.89559E-05
8151	0.000102278	0.000107933	3.39625E-05	0.000105986	8.88901E-05	0.000106918	0.00011169	5.85239E-05	0.000105986	8.27331E-05
8152	0.000111134	0.000117305	3.65813E-05	0.000115064	8.64417E-05	0.000116182	0.000121397	6.32821E-05	0.000115064	8.02514E-05
8153	0.000124227	0.000131188	4.01309E-05	0.00012747	8.41518E-05	0.000129488	0.000135424	6.92853E-05	0.00012747	7.79296E-05
8154	0.000136785	0.000144388	4.49306E-05	0.000136976	8.22805E-05	0.000141016	0.000147608	7.41534E-05	0.000136976	7.60342E-05
8155	0.000143798	0.000151569	4.99275E-05	0.000139953	6.81221E-05	0.00014611	0.000152955	7.66911E-05	0.000139953	6.35902E-05
8156	0.000141941	0.000149453	5.11834E-05	0.000136357	5.65621E-05	0.000143174	0.000149832	7.56512E-05	0.000136357	5.37943E-05
8157	0.000138532	0.000145884	4.97165E-05	0.000130353	4.87832E-05	0.000138593	0.0001451	7.26017E-05	0.000130353	4.6868E-05
8158	0.00013071	0.000137736	4.58263E-05	0.000122139	4.33443E-05	0.000130555	0.000136703	6.82064E-05	0.000122139	4.23203E-05
8159	0.000116627	0.000122954	4.0188E-05	0.000111084	4.20471E-05	0.000117495	0.000122942	6.22524E-05	0.000111084	4.10103E-05
8160	0.000106058	0.00011196	3.4759E-05	0.000103757	4.12706E-05	0.000108288	0.000113276	5.76908E-05	0.000103757	4.02267E-05
8161	9.24473E-05	9.77142E-05	2.88219E-05	9.35019E-05	4.14601E-05	9.59221E-05	0.00010026	5.19253E-05	9.35019E-05	4.04316E-05
8162	8.90808E-05	9.42391E-05	2.67656E-05	9.14751E-05	4.18988E-05	9.31694E-05	9.73784E-05	5.04805E-05	9.14751E-05	4.08821E-05
8163	8.6758E-05	9.18045E-05	2.57945E-05	9.00041E-05	4.29712E-05	9.11728E-05	9.52572E-05	4.9747E-05	9.00041E-05	4.19777E-05
8164	8.84767E-05	9.36259E-05	2.62729E-05	9.25236E-05	4.48761E-05	9.33002E-05	9.74465E-05	5.12473E-05	9.25236E-05	4.39137E-05
8165	9.47676E-05	0.000100253	2.84966E-05	9.9125E-05	4.73751E-05	9.9892E-05	0.000104317	5.50085E-05	9.9125E-05	4.6442E-05
8166	0.000104616	0.000110656	3.16559E-05	0.000107567	4.80868E-05	0.000109446	0.000114403	5.91722E-05	0.000107567	4.71358E-05
8167	0.000109108	0.000115287	3.44622E-05	0.000112363	9.02461E-05	0.000114014	0.000119171	6.17036E-05	0.000112363	8.41509E-05
8168	0.000108288	0.000114327	3.53313E-05	0.000112939	9.004E-05	0.000113605	0.000118685	6.20857E-05	0.000112939	8.39111E-05
8169	0.000108037	0.000114021	3.57547E-05	0.000112826	9.09326E-05	0.000113331	0.000118351	6.24208E-05	0.000112826	8.48022E-05
8170	0.0001063	0.000112138	3.57799E-05	0.000110715	9.13251E-05	0.000111293	0.000116191	6.16133E-05	0.000110715	8.51931E-05
8171	0.0001046	0.000110308	3.56548E-05	0.000108467	9.17969E-05	0.000109242	0.000114041	6.05707E-05	0.000108467	8.56674E-05
8172	0.000103084	0.000108726	3.49241E-05	0.000106901	8.54228E-05	0.000107693	0.00011244	5.95449E-05	0.000106901	8.01549E-05
8173	0.000102005	0.000107595	3.44748E-05	0.000105368	8.5239E-05	0.0001064	0.00011112	5.85341E-05	0.000105368	7.99718E-05
8174	0.000100909	0.00010647	3.37275E-05	0.000104394	8.42329E-05	0.000105381	0.000110076	5.77608E-05	0.000104394	7.89559E-05
8175	0.000102278	0.000107933	3.39625E-05	0.000105986	8.88901E-05	0.000106918	0.00011169	5.85239E-05	0.000105986	8.27331E-05
8176	0.000111134	0.000117305	3.65813E-05	0.000115064	8.64417E-05	0.000116182	0.000121397	6.32821E-05	0.000115064	8.02514E-05
8177	0.000124227	0.000131188	4.01309E-05	0.00012747	8.41518E-05	0.000129488	0.000135424	6.92853E-05	0.00012747	7.79296E-05
8178	0.000136785	0.000144388	4.49306E-05	0.000136976	8.22805E-05	0.000141016	0.000147608	7.41534E-05	0.000136976	7.60342E-05
8179	0.000143798	0.000151569	4.99275E-05	0.000139953	6.81221E-05	0.00014611	0.000152955	7.66911E-05	0.000139953	6.35902E-05
8180	0.000141941	0.000149453	5.11834E-05	0.000136357	5.65621E-05	0.000143174	0.000149832	7.56512E-05	0.000136357	5.37943E-05
8181	0.000138532	0.000145884	4.97165E-05	0.000130353	4.87832E-05	0.000138593	0.0001451	7.26017E-05	0.000130353	4.6868E-05
8182	0.00013071	0.000137736	4.58263E-05	0.000122139	4.33443E-05	0.000130555	0.000136703	6.82064E-05	0.000122139	4.23203E-05
8183	0.000116627	0.000122954	4.0188E-05	0.000111084	4.20471E-05	0.000117495	0.000122942	6.22524E-05	0.000111084	4.10103E-05
8184	0.000106058	0.00011196	3.4759E-05	0.000103757	4.12706E-05	0.000108288	0.000113276	5.76908E-05	0.000103757	4.02267E-05
8185	9.24473E-05	9.77142E-05	2.88219E-05	9.35019E-05	4.14601E-05	9.59221E-05	0.00010026	5.19253E-05	9.35019E-05	4.04316E-05
8186	8.90808E-05	9.42391E-05	2.67656E-05	9.14751E-05	4.18988E-05	9.31694E-05	9.73784E-05	5.04805E-05	9.14751E-05	4.08821E-05
8187	8.6758E-05	9.18045E-05	2.57945E-05	9.00041E-05	4.29712E-05	9.11728E-05	9.52572E-05	4.9747E-05	9.00041E-05	4.19777E-05
8188	8.84767E-05	9.36259E-05	2.62729E-05	9.25236E-05	4.48761E-05	9.33002E-05	9.74465E-05	5.12473E-05	9.25236E-05	4.39137E-05
8189	9.47676E-05	0.000100253	2.84966E-05	9.9125E-05	4.73751E-05	9.9892E-05	0.000104317	5.50085E-05	9.9125E-05	4.6442E-05
8190	0.000104616	0.000110656	3.16559E-05	0.000107567	4.80868E-05	0.000109446	0.000114403	5.91722E-05	0.000107567	4.71358E-05
8191	0.000109108	0.000115287	3.44622E-05	0.000112363	9.02461E-05	0.000114014	0.000119171	6.17036E-05	0.000112363	8.41509E-05
8192	0.000108288	0.000114327	3.53313E-05	0.000112939	9.004E-05	0.000113605	0.000118685	6.20857E-05	0.000112939	8.39111E-05
8193	0.000108037	0.000114021	3.57547E-05	0.000112826	9.09326E-05	0.000113331	0.000118351	6.24208E-05	0.000112826	8.48022E-05
8194	0.0001063	0.000112138	3.57799E-05	0.000110715	9.13251E-05	0.000111293	0.000116191	6.16133E-05	0.000110715	8.51931E-05
8195	0.0001046	0.000110308	3.56548E-05	0.000108467	9.17969E-05	0.000109242	0.000114041	6.05707E-05	0.000108467	8.56674E-05
8196	0.000103084	0.000108726	3.49241E-05	0.000106901	8.54228E-05	0.000107693	0.00011244	5.95449E-05	0.000106901	8.01549E-05
8197	0.000102005	0.000107595	3.44748E-05	0.000105368	8.5239E-05	0.0001064	0.00011112	5.85341E-05	0.000105368	7.99718E-05
8198	0.000100909	0.00010647	3.37275E-05	0.000104394	8.42329E-05	0.000105381	0.000110076	5.77608E-05	0.000104394	7.89559E-05
8199	0.000102278	0.000107933	3.39625E-05	0.000105986	8.88901E-05	0.000106918	0.00011169	5.85239E-05	0.000105986	8.27331E-05

8200	0.000111134	0.000117305	3.65813E-05	0.000115064	8.64417E-05	0.000116182	0.000121397	6.32821E-05	0.000115064	8.02514E-05
8201	0.000124227	0.000131188	4.01309E-05	0.00012747	8.41518E-05	0.000129488	0.000135424	6.92853E-05	0.00012747	7.79296E-05
8202	0.000136785	0.000144388	4.49306E-05	0.000136976	8.22805E-05	0.000141016	0.000147608	7.41534E-05	0.000136976	7.60342E-05
8203	0.000143798	0.000151569	4.99275E-05	0.000139953	6.81221E-05	0.00014611	0.000152955	7.66911E-05	0.000139953	6.35902E-05
8204	0.000141941	0.000149453	5.11834E-05	0.000136357	5.65621E-05	0.000143174	0.000149832	7.56512E-05	0.000136357	5.37943E-05
8205	0.000138532	0.000145884	4.97165E-05	0.000130353	4.87832E-05	0.000138593	0.0001451	7.26017E-05	0.000130353	4.6868E-05
8206	0.00013071	0.000137736	4.58263E-05	0.000122139	4.33443E-05	0.000130555	0.000136703	6.82064E-05	0.000122139	4.23203E-05
8207	0.000116627	0.000122954	4.0188E-05	0.000111084	4.20471E-05	0.000117495	0.000122942	6.22524E-05	0.000111084	4.10103E-05
8208	0.000106058	0.00011196	3.4759E-05	0.000103757	4.12706E-05	0.000108288	0.000113276	5.76908E-05	0.000103757	4.02267E-05
8209	9.24473E-05	9.77142E-05	2.88219E-05	9.35019E-05	4.14601E-05	9.59221E-05	0.00010026	5.19253E-05	9.35019E-05	4.04316E-05
8210	8.90808E-05	9.42391E-05	2.67656E-05	9.14751E-05	4.18988E-05	9.31694E-05	9.73784E-05	5.04805E-05	9.14751E-05	4.08821E-05
8211	8.6758E-05	9.18045E-05	2.57945E-05	9.00041E-05	4.29712E-05	9.11728E-05	9.52572E-05	4.9747E-05	9.00041E-05	4.19777E-05
8212	8.84767E-05	9.36259E-05	2.62729E-05	9.25236E-05	4.48761E-05	9.33002E-05	9.74465E-05	5.12473E-05	9.25236E-05	4.39137E-05
8213	9.47676E-05	0.000100253	2.84966E-05	9.9125E-05	4.73751E-05	9.9892E-05	0.000104317	5.50085E-05	9.9125E-05	4.6442E-05
8214	0.000104616	0.000110656	3.16559E-05	0.000107567	4.80868E-05	0.000109446	0.000114403	5.91722E-05	0.000107567	4.71358E-05
8215	0.000109108	0.000115287	3.44622E-05	0.000112363	9.02461E-05	0.000114014	0.000119171	6.17036E-05	0.000112363	8.41509E-05
8216	0.000108288	0.000114327	3.53313E-05	0.000112939	9.004E-05	0.000113605	0.000118685	6.20857E-05	0.000112939	8.39111E-05
8217	0.000108037	0.000114021	3.57547E-05	0.000112826	9.09326E-05	0.000113331	0.000118351	6.24208E-05	0.000112826	8.48022E-05
8218	0.0001063	0.000112138	3.57799E-05	0.000110715	9.13251E-05	0.000111293	0.000116191	6.16133E-05	0.000110715	8.51931E-05
8219	0.0001046	0.000110308	3.56548E-05	0.000108467	9.17969E-05	0.000109242	0.000114041	6.05707E-05	0.000108467	8.56674E-05
8220	0.000103084	0.000108726	3.49241E-05	0.000106901	8.54228E-05	0.000107693	0.00011244	5.95449E-05	0.000106901	8.01549E-05
8221	0.000102005	0.000107595	3.44748E-05	0.000105368	8.5239E-05	0.0001064	0.00011112	5.85341E-05	0.000105368	7.99718E-05
8222	0.000100909	0.00010647	3.37275E-05	0.000104394	8.42329E-05	0.000105381	0.000110076	5.77608E-05	0.000104394	7.89559E-05
8223	0.000102278	0.000107933	3.39625E-05	0.000105986	8.88901E-05	0.000106918	0.00011169	5.85239E-05	0.000105986	8.27331E-05
8224	0.000111134	0.000117305	3.65813E-05	0.000115064	8.64417E-05	0.000116182	0.000121397	6.32821E-05	0.000115064	8.02514E-05
8225	0.000124227	0.000131188	4.01309E-05	0.00012747	8.41518E-05	0.000129488	0.000135424	6.92853E-05	0.00012747	7.79296E-05
8226	0.000136785	0.000144388	4.49306E-05	0.000136976	8.22805E-05	0.000141016	0.000147608	7.41534E-05	0.000136976	7.60342E-05
8227	0.000143798	0.000151569	4.99275E-05	0.000139953	6.81221E-05	0.00014611	0.000152955	7.66911E-05	0.000139953	6.35902E-05
8228	0.000141941	0.000149453	5.11834E-05	0.000136357	5.65621E-05	0.000143174	0.000149832	7.56512E-05	0.000136357	5.37943E-05
8229	0.000138532	0.000145884	4.97165E-05	0.000130353	4.87832E-05	0.000138593	0.0001451	7.26017E-05	0.000130353	4.6868E-05
8230	0.00013071	0.000137736	4.58263E-05	0.000122139	4.33443E-05	0.000130555	0.000136703	6.82064E-05	0.000122139	4.23203E-05
8231	0.000116627	0.000122954	4.0188E-05	0.000111084	4.20471E-05	0.000117495	0.000122942	6.22524E-05	0.000111084	4.10103E-05
8232	0.000106058	0.00011196	3.4759E-05	0.000103757	4.12706E-05	0.000108288	0.000113276	5.76908E-05	0.000103757	4.02267E-05
8233	9.24473E-05	9.77142E-05	2.88219E-05	9.35019E-05	4.14601E-05	9.59221E-05	0.00010026	5.19253E-05	9.35019E-05	4.04316E-05
8234	8.90808E-05	9.42391E-05	2.67656E-05	9.14751E-05	4.18988E-05	9.31694E-05	9.73784E-05	5.04805E-05	9.14751E-05	4.08821E-05
8235	8.6758E-05	9.18045E-05	2.57945E-05	9.00041E-05	4.29712E-05	9.11728E-05	9.52572E-05	4.9747E-05	9.00041E-05	4.19777E-05
8236	8.84767E-05	9.36259E-05	2.62729E-05	9.25236E-05	4.48761E-05	9.33002E-05	9.74465E-05	5.12473E-05	9.25236E-05	4.39137E-05
8237	9.47676E-05	0.000100253	2.84966E-05	9.9125E-05	4.73751E-05	9.9892E-05	0.000104317	5.50085E-05	9.9125E-05	4.6442E-05
8238	0.000104616	0.000110656	3.16559E-05	0.000107567	4.80868E-05	0.000109446	0.000114403	5.91722E-05	0.000107567	4.71358E-05
8239	0.000109108	0.000115287	3.44622E-05	0.000112363	9.02461E-05	0.000114014	0.000119171	6.17036E-05	0.000112363	8.41509E-05
8240	0.000108288	0.000114327	3.53313E-05	0.000112939	9.004E-05	0.000113605	0.000118685	6.20857E-05	0.000112939	8.39111E-05
8241	0.000108037	0.000114021	3.57547E-05	0.000112826	9.09326E-05	0.000113331	0.000118351	6.24208E-05	0.000112826	8.48022E-05
8242	0.0001063	0.000112138	3.57799E-05	0.000110715	9.13251E-05	0.000111293	0.000116191	6.16133E-05	0.000110715	8.51931E-05
8243	0.0001046	0.000110308	3.56548E-05	0.000108467	9.17969E-05	0.000109242	0.000114041	6.05707E-05	0.000108467	8.56674E-05
8244	0.000103084	0.000108726	3.49241E-05	0.000106901	8.54228E-05	0.000107693	0.00011244	5.95449E-05	0.000106901	8.01549E-05
8245	0.000102005	0.000107595	3.44748E-05	0.000105368	8.5239E-05	0.0001064	0.00011112	5.85341E-05	0.000105368	7.99718E-05
8246	0.000100909	0.00010647	3.37275E-05	0.000104394	8.42329E-05	0.000105381	0.000110076	5.77608E-05	0.000104394	7.89559E-05
8247	0.000102278	0.000107933	3.39625E-05	0.000105986	8.88901E-05	0.000106918	0.00011169	5.85239E-05	0.000105986	8.27331E-05
8248	0.000111134	0.000117305	3.65813E-05	0.000115064	8.64417E-05	0.000116182	0.000121397	6.32821E-05	0.000115064	8.02514E-05
8249	0.000124227	0.000131188	4.01309E-05	0.00012747	8.41518E-05	0.000129488	0.000135424	6.92853E-05	0.00012747	7.79296E-05
8250	0.000136785	0.000144388	4.49306E-05	0.000136976	8.22805E-05	0.000141016	0.000147608	7.41534E-05	0.000136976	7.60342E-05
8251	0.000143798	0.000151569	4.99275E-05	0.000139953	6.81221E-05	0.00014611	0.000152955	7.66911E-05	0.000139953	6.35902E-05
8252	0.000141941	0.000149453	5.11834E-05	0.000136357	5.65621E-05	0.000143174	0.000149832	7.56512E-05	0.000136357	5.37943E-05
8253	0.000138532	0.000145884	4.97165E-05	0.000130353	4.87832E-05	0.000138593	0.0001451	7.26017E-05	0.000130353	4.6868E-05
8254	0.00013071	0.000137736	4.58263E-05	0.000122139	4.33443E-05	0.000130555	0.000136703	6.82064E-05	0.000122139	4.23203E-05
8255	0.000116627	0.000122954	4.0188E-05	0.000111084	4.20471E-05	0.000117495	0.000122942	6.22524E-05	0.000111084	4.10103E-05
8256	0.000106058	0.00011196	3.4759E-05	0.000103757	4.12706E-05	0.000108288	0.000113276	5.76908E-05	0.000103757	4.02267E-05
8257	9.22442E-05	9.74994E-05	2.87592E-05	9.32551E-05	4.138E-05	9.56935E-05	0.000100023	5.17838E-05	9.32551E-05	4.03513E-05
8258	8.7792E-05	9.28767E-05	2.63662E-05	8.99039E-05	4.18771E-05	9.17167E-05	9.58715E-05	4.95774E-05	8.99039E-05	4.08608E-05
8259	8.54913E-05	9.04654E-05	2.54024E-05	8.8462E-05	4.29882E-05	8.97458E-05	9.37769E-05	4.88615E-05	8.8462E-05	4.19955E-05
8260	8.72578E-05	9.23365E-05	2.59042E-05	9.10714E-05	4.48348E-05	9.19394E-05	9.60325E-05	5.04263E-05	9.10714E-05	4.38721E-05
8261	9.35654E-05	9.89811E-05	2.81406E-05	9.77209E-05	4.72923E-05	9.85609E-05	0.000102932	5.42266E-05	9.77209E-05	4.63585E-05
8262	0.000103435	0.000109405	3.13033E-05	0.000106177	4.79304E-05	0.000108134	0.000113039	5.83939E-05	0.000106177	4.69771E-05
8263	0.000109348	0.000115572	3.41608E-05	0.000111078	9.00713E-05	0.000113659	0.000118854	6.09693E-05	0.000111078	8.39737E-05
8264	0.000106754	0.000112703	3.48902E-05	0.000111196	8.9819E-05	0.000111926	0.000116934	6.11359E-05	0.000111196	8.36866E-05
8265	0.00010607	0.000111937	3.51923E-05	0.000110603	9.06605E-05	0.000111182	0.000116109	6.1215E-05	0.000110603	8.45255E-05
8266	0.000103776	0.000109464	3.50632E-05	0.000107882	9.1078E-05	0.000108543	0.000113321	6.00838E-05	0.000107882	8.49419E-05
8267	0.000101774	0.000107314	3.48512E-05	0.00010529	9.16282E-05	0.000106161	0.000110825	5.88541E-05	0.00010529	8.5496E-05
8268	0.000100155	0.000105624	3.40863E-05	0.00010359	8.5245E-05	0.000104493	0.000109101	5.77479E-05	0.00010359	7.99746E-05
8269	9.90446E-05	0.000104461	3.36183E-05	0.000101985	8.50225E-05	0.000103151	0.000107733	5.66826E-05	0.000101985	7.9752E-05
8270	9.81015E-05	0.000103496	3.29319E-05	0.000101249	8.40364E-05	0.000102324	0.000106885	5.60658E-05	0.000101249	7.87563E-05
8271	9.97371E-05	0.000105242	3.32365E-05	0.000103117	8.87211E-05	0.000104144	0.000108795	5.69676E-05	0.000103117	8.25616E-05
8272	0.000108947	0.00011499	3.59378E-05	0.000112525	8.63319E-05	0.000113766	0.000118882	6.18748E-05	0.000112525	8.01402E-05
8273	0.000122231	0.000129077	3.95262E-05	0.000125089	8.40019E-05	0.000127258	0.000133107	6.79375E-05	0.000125089	7.77775E-05
8274	0.00013494	0.000142436	4.43791E-05	0.000134802	8.21147E-05	0.000138966	0.000145477	7.29345E-05	0.000134802	7.58659E-05
8275	0.000142044	0.000149713	4.93873E-05	0.000137827	6.78826E-05	0.000144138	0.000150908	7.5475E-05	0.000137827	6.33473E-05

8276	0.000140437	0.000147866	5.07006E-05	0.000134462	5.63806E-05	0.000141455	0.000148053	7.4536E-05	0.000134462	5.36105E-05
8277	0.000135763	0.000142925	4.92383E-05	0.00012857	4.86978E-05	0.000136103	0.000142464	7.15797E-05	0.00012857	4.67824E-05
8278	0.000129446	0.000136401	4.54272E-05	0.000120571	4.33316E-05	0.00012912	0.000135216	6.7294E-05	0.000120571	4.23085E-05
8279	0.000115547	0.000121812	3.98647E-05	0.00010981	4.20614E-05	0.000116295	0.000121694	6.15372E-05	0.00010981	4.1026E-05
8280	0.000105423	0.000111287	3.4579E-05	0.000103046	4.14238E-05	0.000107596	0.000112554	5.73075E-05	0.000103046	4.03831E-05
8281	9.22442E-05	9.74994E-05	2.87592E-05	9.32551E-05	4.138E-05	9.56935E-05	0.000100023	5.17838E-05	9.32551E-05	4.03513E-05
8282	8.7792E-05	9.28767E-05	2.63662E-05	8.99039E-05	4.18771E-05	9.17167E-05	9.58715E-05	4.95774E-05	8.99039E-05	4.08608E-05
8283	8.54913E-05	9.04654E-05	2.54024E-05	8.8462E-05	4.29882E-05	8.97458E-05	9.37769E-05	4.88615E-05	8.8462E-05	4.19955E-05
8284	8.72578E-05	9.23365E-05	2.59042E-05	9.10714E-05	4.48348E-05	9.19394E-05	9.60325E-05	5.04263E-05	9.10714E-05	4.38721E-05
8285	9.35654E-05	9.89811E-05	2.81406E-05	9.77209E-05	4.72923E-05	9.85609E-05	0.000102932	5.42266E-05	9.77209E-05	4.63585E-05
8286	0.000103435	0.000109405	3.13033E-05	0.000106177	4.79304E-05	0.000108134	0.000113039	5.83939E-05	0.000106177	4.69771E-05
8287	0.000109348	0.000115572	3.41608E-05	0.000111078	9.00713E-05	0.000113659	0.000118854	6.09693E-05	0.000111078	8.39737E-05
8288	0.000106754	0.000112703	3.48902E-05	0.000111196	8.9819E-05	0.000111926	0.000116934	6.11359E-05	0.000111196	8.36866E-05
8289	0.00010607	0.000111937	3.51923E-05	0.000110603	9.06605E-05	0.000111182	0.000116109	6.1215E-05	0.000110603	8.45255E-05
8290	0.000103776	0.000109464	3.50632E-05	0.000107882	9.1078E-05	0.000108543	0.000113321	6.00838E-05	0.000107882	8.49419E-05
8291	0.000101774	0.000107314	3.48512E-05	0.00010529	9.16282E-05	0.000106161	0.000110825	5.88541E-05	0.00010529	8.5496E-05
8292	0.000100155	0.000105624	3.40863E-05	0.00010359	8.5245E-05	0.000104493	0.000109101	5.77479E-05	0.00010359	7.99746E-05
8293	9.90446E-05	0.000104461	3.36183E-05	0.000101985	8.50225E-05	0.000103151	0.000107733	5.66826E-05	0.000101985	7.9752E-05
8294	9.81015E-05	0.000103496	3.29319E-05	0.000101249	8.40364E-05	0.000102324	0.000106885	5.60658E-05	0.000101249	7.87563E-05
8295	9.97371E-05	0.000105242	3.32365E-05	0.000103117	8.87211E-05	0.000104144	0.000108795	5.69676E-05	0.000103117	8.25616E-05
8296	0.000108947	0.00011499	3.59378E-05	0.000112525	8.63319E-05	0.000113766	0.000118882	6.18748E-05	0.000112525	8.01402E-05
8297	0.000122231	0.000129077	3.95262E-05	0.000125089	8.40019E-05	0.000127258	0.000133107	6.79375E-05	0.000125089	7.77775E-05
8298	0.00013494	0.000142436	4.43791E-05	0.000134802	8.21147E-05	0.000138966	0.000145477	7.29345E-05	0.000134802	7.58659E-05
8299	0.000142044	0.000149713	4.93873E-05	0.000137827	6.78826E-05	0.000144138	0.000150908	7.5475E-05	0.000137827	6.33473E-05
8300	0.000140437	0.000147866	5.07006E-05	0.000134462	5.63806E-05	0.000141455	0.000148053	7.4536E-05	0.000134462	5.36105E-05
8301	0.000135763	0.000142925	4.92383E-05	0.00012857	4.86978E-05	0.000136103	0.000142464	7.15797E-05	0.00012857	4.67824E-05
8302	0.000129446	0.000136401	4.54272E-05	0.000120571	4.33316E-05	0.00012912	0.000135216	6.7294E-05	0.000120571	4.23085E-05
8303	0.000115547	0.000121812	3.98647E-05	0.00010981	4.20614E-05	0.000116295	0.000121694	6.15372E-05	0.00010981	4.1026E-05
8304	0.000105423	0.000111287	3.4579E-05	0.000103046	4.14238E-05	0.000107596	0.000112554	5.73075E-05	0.000103046	4.03831E-05
8305	9.24473E-05	9.77142E-05	2.88219E-05	9.35019E-05	4.14601E-05	9.59221E-05	0.00010026	5.19253E-05	9.35019E-05	4.04316E-05
8306	8.90808E-05	9.42391E-05	2.67656E-05	9.14751E-05	4.18988E-05	9.31694E-05	9.73784E-05	5.04805E-05	9.14751E-05	4.08821E-05
8307	8.6758E-05	9.18045E-05	2.57945E-05	9.00041E-05	4.29712E-05	9.11728E-05	9.52572E-05	4.9747E-05	9.00041E-05	4.19777E-05
8308	8.84767E-05	9.36259E-05	2.62729E-05	9.25236E-05	4.48761E-05	9.33002E-05	9.74465E-05	5.12473E-05	9.25236E-05	4.39137E-05
8309	9.47676E-05	0.000100253	2.84966E-05	9.9125E-05	4.73751E-05	9.9892E-05	0.000104317	5.50085E-05	9.9125E-05	4.6442E-05
8310	0.000104616	0.000110656	3.16559E-05	0.000107567	4.80868E-05	0.000109446	0.000114403	5.91722E-05	0.000107567	4.71358E-05
8311	0.000109108	0.000115287	3.44622E-05	0.000112363	9.02461E-05	0.000114014	0.000119171	6.17036E-05	0.000112363	8.41509E-05
8312	0.000108288	0.000114327	3.53313E-05	0.000112939	9.004E-05	0.000113605	0.000118685	6.20857E-05	0.000112939	8.39111E-05
8313	0.000108037	0.000114021	3.57547E-05	0.000112826	9.09326E-05	0.000113331	0.000118351	6.24208E-05	0.000112826	8.48022E-05
8314	0.0001063	0.000112138	3.57799E-05	0.000110715	9.13251E-05	0.000111293	0.000116191	6.16133E-05	0.000110715	8.51931E-05
8315	0.0001046	0.000110308	3.56548E-05	0.000108467	9.17969E-05	0.000109242	0.000114041	6.05707E-05	0.000108467	8.56674E-05
8316	0.000103084	0.000108726	3.49241E-05	0.000106901	8.54228E-05	0.000107693	0.00011244	5.95449E-05	0.000106901	8.01549E-05
8317	0.000102005	0.000107595	3.44748E-05	0.000105368	8.5239E-05	0.0001064	0.00011112	5.85341E-05	0.000105368	7.99718E-05
8318	0.000100909	0.00010647	3.37275E-05	0.000104394	8.42329E-05	0.000105381	0.000110076	5.77608E-05	0.000104394	7.89559E-05
8319	0.000102278	0.000107933	3.39625E-05	0.000105986	8.88901E-05	0.000106918	0.00011169	5.85239E-05	0.000105986	8.27331E-05
8320	0.000111134	0.000117305	3.65813E-05	0.000115064	8.64417E-05	0.000116182	0.000121397	6.32821E-05	0.000115064	8.02514E-05
8321	0.000124227	0.000131188	4.01309E-05	0.00012747	8.41518E-05	0.000129488	0.000135424	6.92853E-05	0.00012747	7.79296E-05
8322	0.000136785	0.000144388	4.49306E-05	0.000136976	8.22805E-05	0.000141016	0.000147608	7.41534E-05	0.000136976	7.60342E-05
8323	0.000143798	0.000151569	4.99275E-05	0.000139953	6.81221E-05	0.00014611	0.000152955	7.66911E-05	0.000139953	6.35902E-05
8324	0.000141941	0.000149453	5.11834E-05	0.000136357	5.65621E-05	0.000143174	0.000149832	7.56512E-05	0.000136357	5.37943E-05
8325	0.000138532	0.000145884	4.97165E-05	0.000130353	4.87832E-05	0.000138593	0.0001451	7.26017E-05	0.000130353	4.6868E-05
8326	0.00013071	0.000137736	4.58263E-05	0.000122139	4.33443E-05	0.000130555	0.000136703	6.82064E-05	0.000122139	4.23203E-05
8327	0.000116627	0.000122954	4.0188E-05	0.000111084	4.20471E-05	0.000117495	0.000122942	6.22524E-05	0.000111084	4.10103E-05
8328	0.000106058	0.00011196	3.4759E-05	0.000103757	4.12706E-05	0.000108288	0.000113276	5.76908E-05	0.000103757	4.02267E-05
8329	9.24473E-05	9.77142E-05	2.88219E-05	9.35019E-05	4.14601E-05	9.59221E-05	0.00010026	5.19253E-05	9.35019E-05	4.04316E-05
8330	8.90808E-05	9.42391E-05	2.67656E-05	9.14751E-05	4.18988E-05	9.31694E-05	9.73784E-05	5.04805E-05	9.14751E-05	4.08821E-05
8331	8.6758E-05	9.18045E-05	2.57945E-05	9.00041E-05	4.29712E-05	9.11728E-05	9.52572E-05	4.9747E-05	9.00041E-05	4.19777E-05
8332	8.84767E-05	9.36259E-05	2.62729E-05	9.25236E-05	4.48761E-05	9.33002E-05	9.74465E-05	5.12473E-05	9.25236E-05	4.39137E-05
8333	9.47676E-05	0.000100253	2.84966E-05	9.9125E-05	4.73751E-05	9.9892E-05	0.000104317	5.50085E-05	9.9125E-05	4.6442E-05
8334	0.000104616	0.000110656	3.16559E-05	0.000107567	4.80868E-05	0.000109446	0.000114403	5.91722E-05	0.000107567	4.71358E-05
8335	0.000109108	0.000115287	3.44622E-05	0.000112363	9.02461E-05	0.000114014	0.000119171	6.17036E-05	0.000112363	8.41509E-05
8336	0.000108288	0.000114327	3.53313E-05	0.000112939	9.004E-05	0.000113605	0.000118685	6.20857E-05	0.000112939	8.39111E-05
8337	0.000108037	0.000114021	3.57547E-05	0.000112826	9.09326E-05	0.000113331	0.000118351	6.24208E-05	0.000112826	8.48022E-05
8338	0.0001063	0.000112138	3.57799E-05	0.000110715	9.13251E-05	0.000111293	0.000116191	6.16133E-05	0.000110715	8.51931E-05
8339	0.0001046	0.000110308	3.56548E-05	0.000108467	9.17969E-05	0.000109242	0.000114041	6.05707E-05	0.000108467	8.56674E-05
8340	0.000103084	0.000108726	3.49241E-05	0.000106901	8.54228E-05	0.000107693	0.00011244	5.95449E-05	0.000106901	8.01549E-05
8341	0.000102005	0.000107595	3.44748E-05	0.000105368	8.5239E-05	0.0001064	0.00011112	5.85341E-05	0.000105368	7.99718E-05
8342	0.000100909	0.00010647	3.37275E-05	0.000104394	8.42329E-05	0.000105381	0.000110076	5.77608E-05	0.000104394	7.89559E-05
8343	0.000102278	0.000107933	3.39625E-05	0.000105986	8.88901E-05	0.000106918	0.00011169	5.85239E-05	0.000105986	8.27331E-05
8344	0.000111134	0.000117305	3.65813E-05	0.000115064	8.64417E-05	0.000116182	0.000121397	6.32821E-05	0.000115064	8.02514E-05
8345	0.000124227	0.000131188	4.01309E-05	0.00012747	8.41518E-05	0.000129488	0.000135424	6.92853E-05	0.00012747	7.79296E-05
8346	0.000136785	0.000144388	4.49306E-05	0.000136976	8.22805E-05	0.000141016	0.000147608	7.41534E-05	0.000136976	7.60342E-05
8347	0.000143798	0.000151569	4.99275E-05	0.000139953	6.81221E-05	0.00014611	0.000152955	7.66911E-05	0.000139953	6.35902E-05
8348	0.000141941	0.000149453	5.11834E-05	0.000136357	5.65621E-05	0.000143174	0.000149832	7.56512E-05	0.000136357	5.37943E-05
8349	0.000138532	0.000145884	4.97165E-05	0.000130353	4.87832E-05	0.000138593	0.0001451	7.26017E-05	0.000130353	4.6868E-05
8350	0.00013071	0.000137736	4.58263E-05	0.000122139	4.33443E-05	0.000130555	0.000136703	6.82064E-05	0.000122139	4.23203E-05
8351	0.000116627	0.000122954	4.0188E-05	0.000111084	4.20471E-05	0.000117495	0.000122942	6.22524E-05	0.000111084	4.10103E-05

8352	0.000106058	0.00011196	3.4759E-05	0.000103757	4.12706E-05	0.000108288	0.000113276	5.76908E-05	0.000103757	4.02267E-05
8353	9.24473E-05	9.77142E-05	2.88219E-05	9.35019E-05	4.14601E-05	9.59221E-05	0.00010026	5.19253E-05	9.35019E-05	4.04316E-05
8354	8.90808E-05	9.42391E-05	2.67656E-05	9.14751E-05	4.18988E-05	9.31694E-05	9.73784E-05	5.04805E-05	9.14751E-05	4.08821E-05
8355	8.6758E-05	9.18045E-05	2.57945E-05	9.00041E-05	4.29712E-05	9.11728E-05	9.52572E-05	4.9747E-05	9.00041E-05	4.19777E-05
8356	8.84767E-05	9.36259E-05	2.62729E-05	9.25236E-05	4.48761E-05	9.33002E-05	9.74465E-05	5.12473E-05	9.25236E-05	4.39137E-05
8357	9.47676E-05	0.000100253	2.84966E-05	9.9125E-05	4.73751E-05	9.9892E-05	0.000104317	5.50085E-05	9.9125E-05	4.6442E-05
8358	0.000104616	0.000110656	3.16559E-05	0.000107567	4.80868E-05	0.000109446	0.000114403	5.91722E-05	0.000107567	4.71358E-05
8359	0.000109108	0.000115287	3.44622E-05	0.000112363	9.02461E-05	0.000114014	0.000119171	6.17036E-05	0.000112363	8.41509E-05
8360	0.000108288	0.000114327	3.53313E-05	0.000112939	9.004E-05	0.000113605	0.000118685	6.20857E-05	0.000112939	8.39111E-05
8361	0.000108037	0.000114021	3.57547E-05	0.000112826	9.09326E-05	0.000113331	0.000118351	6.24208E-05	0.000112826	8.48022E-05
8362	0.0001063	0.000112138	3.57799E-05	0.000110715	9.13251E-05	0.000111293	0.000116191	6.16133E-05	0.000110715	8.51931E-05
8363	0.0001046	0.000110308	3.56548E-05	0.000108467	9.17969E-05	0.000109242	0.000114041	6.05707E-05	0.000108467	8.56674E-05
8364	0.000103084	0.000108726	3.49241E-05	0.000106901	8.54228E-05	0.000107693	0.00011244	5.95449E-05	0.000106901	8.01549E-05
8365	0.000102005	0.000107595	3.44748E-05	0.000105368	8.5239E-05	0.0001064	0.00011112	5.85341E-05	0.000105368	7.99718E-05
8366	0.000100909	0.00010647	3.37275E-05	0.000104394	8.42329E-05	0.000105381	0.000110076	5.77608E-05	0.000104394	7.89559E-05
8367	0.000102278	0.000107933	3.39625E-05	0.000105986	8.88901E-05	0.000106918	0.00011169	5.85239E-05	0.000105986	8.27331E-05
8368	0.000111134	0.000117305	3.65813E-05	0.000115064	8.64417E-05	0.000116182	0.000121397	6.32821E-05	0.000115064	8.02514E-05
8369	0.000124227	0.000131188	4.01309E-05	0.00012747	8.41518E-05	0.000129488	0.000135424	6.92853E-05	0.00012747	7.79296E-05
8370	0.000136785	0.000144388	4.49306E-05	0.000136976	8.22805E-05	0.000141016	0.000147608	7.41534E-05	0.000136976	7.60342E-05
8371	0.000143798	0.000151569	4.99275E-05	0.000139953	6.81221E-05	0.00014611	0.000152955	7.66911E-05	0.000139953	6.35902E-05
8372	0.000141941	0.000149453	5.11834E-05	0.000136357	5.65621E-05	0.000143174	0.000149832	7.56512E-05	0.000136357	5.37943E-05
8373	0.000138532	0.000145884	4.97165E-05	0.000130353	4.87832E-05	0.000138593	0.0001451	7.26017E-05	0.000130353	4.6868E-05
8374	0.00013071	0.000137736	4.58263E-05	0.000122139	4.33443E-05	0.000130555	0.000136703	6.82064E-05	0.000122139	4.23203E-05
8375	0.000116627	0.000122954	4.0188E-05	0.000111084	4.20471E-05	0.000117495	0.000122942	6.22524E-05	0.000111084	4.10103E-05
8376	0.000106058	0.00011196	3.4759E-05	0.000103757	4.12706E-05	0.000108288	0.000113276	5.76908E-05	0.000103757	4.02267E-05
8377	9.24473E-05	9.77142E-05	2.88219E-05	9.35019E-05	4.14601E-05	9.59221E-05	0.00010026	5.19253E-05	9.35019E-05	4.04316E-05
8378	8.90808E-05	9.42391E-05	2.67656E-05	9.14751E-05	4.18988E-05	9.31694E-05	9.73784E-05	5.04805E-05	9.14751E-05	4.08821E-05
8379	8.6758E-05	9.18045E-05	2.57945E-05	9.00041E-05	4.29712E-05	9.11728E-05	9.52572E-05	4.9747E-05	9.00041E-05	4.19777E-05
8380	8.84767E-05	9.36259E-05	2.62729E-05	9.25236E-05	4.48761E-05	9.33002E-05	9.74465E-05	5.12473E-05	9.25236E-05	4.39137E-05
8381	9.47676E-05	0.000100253	2.84966E-05	9.9125E-05	4.73751E-05	9.9892E-05	0.000104317	5.50085E-05	9.9125E-05	4.6442E-05
8382	0.000104616	0.000110656	3.16559E-05	0.000107567	4.80868E-05	0.000109446	0.000114403	5.91722E-05	0.000107567	4.71358E-05
8383	0.000109108	0.000115287	3.44622E-05	0.000112363	9.02461E-05	0.000114014	0.000119171	6.17036E-05	0.000112363	8.41509E-05
8384	0.000108288	0.000114327	3.53313E-05	0.000112939	9.004E-05	0.000113605	0.000118685	6.20857E-05	0.000112939	8.39111E-05
8385	0.000108037	0.000114021	3.57547E-05	0.000112826	9.09326E-05	0.000113331	0.000118351	6.24208E-05	0.000112826	8.48022E-05
8386	0.0001063	0.000112138	3.57799E-05	0.000110715	9.13251E-05	0.000111293	0.000116191	6.16133E-05	0.000110715	8.51931E-05
8387	0.0001046	0.000110308	3.56548E-05	0.000108467	9.17969E-05	0.000109242	0.000114041	6.05707E-05	0.000108467	8.56674E-05
8388	0.000103084	0.000108726	3.49241E-05	0.000106901	8.54228E-05	0.000107693	0.00011244	5.95449E-05	0.000106901	8.01549E-05
8389	0.000102005	0.000107595	3.44748E-05	0.000105368	8.5239E-05	0.0001064	0.00011112	5.85341E-05	0.000105368	7.99718E-05
8390	0.000100909	0.00010647	3.37275E-05	0.000104394	8.42329E-05	0.000105381	0.000110076	5.77608E-05	0.000104394	7.89559E-05
8391	0.000102278	0.000107933	3.39625E-05	0.000105986	8.88901E-05	0.000106918	0.00011169	5.85239E-05	0.000105986	8.27331E-05
8392	0.000111134	0.000117305	3.65813E-05	0.000115064	8.64417E-05	0.000116182	0.000121397	6.32821E-05	0.000115064	8.02514E-05
8393	0.000124227	0.000131188	4.01309E-05	0.00012747	8.41518E-05	0.000129488	0.000135424	6.92853E-05	0.00012747	7.79296E-05
8394	0.000136785	0.000144388	4.49306E-05	0.000136976	8.22805E-05	0.000141016	0.000147608	7.41534E-05	0.000136976	7.60342E-05
8395	0.000143798	0.000151569	4.99275E-05	0.000139953	6.81221E-05	0.00014611	0.000152955	7.66911E-05	0.000139953	6.35902E-05
8396	0.000141941	0.000149453	5.11834E-05	0.000136357	5.65621E-05	0.000143174	0.000149832	7.56512E-05	0.000136357	5.37943E-05
8397	0.000138532	0.000145884	4.97165E-05	0.000130353	4.87832E-05	0.000138593	0.0001451	7.26017E-05	0.000130353	4.6868E-05
8398	0.00013071	0.000137736	4.58263E-05	0.000122139	4.33443E-05	0.000130555	0.000136703	6.82064E-05	0.000122139	4.23203E-05
8399	0.000116627	0.000122954	4.0188E-05	0.000111084	4.20471E-05	0.000117495	0.000122942	6.22524E-05	0.000111084	4.10103E-05
8400	0.000106058	0.00011196	3.4759E-05	0.000103757	4.12706E-05	0.000108288	0.000113276	5.76908E-05	0.000103757	4.02267E-05
8401	9.24473E-05	9.77142E-05	2.88219E-05	9.35019E-05	4.14601E-05	9.59221E-05	0.00010026	5.19253E-05	9.35019E-05	4.04316E-05
8402	8.90808E-05	9.42391E-05	2.67656E-05	9.14751E-05	4.18988E-05	9.31694E-05	9.73784E-05	5.04805E-05	9.14751E-05	4.08821E-05
8403	8.6758E-05	9.18045E-05	2.57945E-05	9.00041E-05	4.29712E-05	9.11728E-05	9.52572E-05	4.9747E-05	9.00041E-05	4.19777E-05
8404	8.84767E-05	9.36259E-05	2.62729E-05	9.25236E-05	4.48761E-05	9.33002E-05	9.74465E-05	5.12473E-05	9.25236E-05	4.39137E-05
8405	9.47676E-05	0.000100253	2.84966E-05	9.9125E-05	4.73751E-05	9.9892E-05	0.000104317	5.50085E-05	9.9125E-05	4.6442E-05
8406	0.000104616	0.000110656	3.16559E-05	0.000107567	4.80868E-05	0.000109446	0.000114403	5.91722E-05	0.000107567	4.71358E-05
8407	0.000109108	0.000115287	3.44622E-05	0.000112363	9.02461E-05	0.000114014	0.000119171	6.17036E-05	0.000112363	8.41509E-05
8408	0.000108288	0.000114327	3.53313E-05	0.000112939	9.004E-05	0.000113605	0.000118685	6.20857E-05	0.000112939	8.39111E-05
8409	0.000108037	0.000114021	3.57547E-05	0.000112826	9.09326E-05	0.000113331	0.000118351	6.24208E-05	0.000112826	8.48022E-05
8410	0.0001063	0.000112138	3.57799E-05	0.000110715	9.13251E-05	0.000111293	0.000116191	6.16133E-05	0.000110715	8.51931E-05
8411	0.0001046	0.000110308	3.56548E-05	0.000108467	9.17969E-05	0.000109242	0.000114041	6.05707E-05	0.000108467	8.56674E-05
8412	0.000103084	0.000108726	3.49241E-05	0.000106901	8.54228E-05	0.000107693	0.00011244	5.95449E-05	0.000106901	8.01549E-05
8413	0.000102005	0.000107595	3.44748E-05	0.000105368	8.5239E-05	0.0001064	0.00011112	5.85341E-05	0.000105368	7.99718E-05
8414	0.000100909	0.00010647	3.37275E-05	0.000104394	8.42329E-05	0.000105381	0.000110076	5.77608E-05	0.000104394	7.89559E-05
8415	0.000102278	0.000107933	3.39625E-05	0.000105986	8.88901E-05	0.000106918	0.00011169	5.85239E-05	0.000105986	8.27331E-05
8416	0.000111134	0.000117305	3.65813E-05	0.000115064	8.64417E-05	0.000116182	0.000121397	6.32821E-05	0.000115064	8.02514E-05
8417	0.000124227	0.000131188	4.01309E-05	0.00012747	8.41518E-05	0.000129488	0.000135424	6.92853E-05	0.00012747	7.79296E-05
8418	0.000136785	0.000144388	4.49306E-05	0.000136976	8.22805E-05	0.000141016	0.000147608	7.41534E-05	0.000136976	7.60342E-05
8419	0.000143798	0.000151569	4.99275E-05	0.000139953	6.81221E-05	0.00014611	0.000152955	7.66911E-05	0.000139953	6.35902E-05
8420	0.000141941	0.000149453	5.11834E-05	0.000136357	5.65621E-05	0.000143174	0.000149832	7.56512E-05	0.000136357	5.37943E-05
8421	0.000138532	0.000145884	4.97165E-05	0.000130353	4.87832E-05	0.000138593	0.0001451	7.26017E-05	0.000130353	4.6868E-05
8422	0.00013071	0.000137736	4.58263E-05	0.000122139	4.33443E-05	0.000130555	0.000136703	6.82064E-05	0.000122139	4.23203E-05
8423	0.000116627	0.000122954	4.0188E-05	0.000111084	4.20471E-05	0.000117495	0.000122942	6.22524E-05	0.000111084	4.10103E-05
8424	0.000106058	0.00011196	3.4759E-05	0.000103757	4.12706E-05	0.000108288	0.000113276	5.76908E-05	0.000103757	4.02267E-05
8425	9.22442E-05	9.74994E-05	2.87592E-05	9.32551E-05	4.138E-05	9.56935E-05	0.000100023	5.17838E-05	9.32551E-05	4.03513E-05
8426	8.7792E-05	9.28767E-05	2.63662E-05	8.99039E-05	4.18771E-05	9.17167E-05	9.58715E-05	4.95774E-05	8.99039E-05	4.08608E-05
8427	8.54913E-05	9.04654E-05	2.54024E-05	8.8462E-05	4.29882E-05	8.97458E-05	9.37769E-05	4.88615E-05	8.8462E-05	4.19955E-05

8428	8.72578E-05	9.23365E-05	2.59042E-05	9.10714E-05	4.48348E-05	9.19394E-05	9.60325E-05	5.04263E-05	9.10714E-05	4.38721E-05
8429	9.35654E-05	9.89811E-05	2.81406E-05	9.77209E-05	4.72923E-05	9.85609E-05	0.000102932	5.42266E-05	9.77209E-05	4.63585E-05
8430	0.000103435	0.000109405	3.13033E-05	0.000106177	4.79304E-05	0.000108134	0.000113039	5.83939E-05	0.000106177	4.69771E-05
8431	0.000109348	0.000115572	3.41608E-05	0.000111078	9.00713E-05	0.000113659	0.000118854	6.09693E-05	0.000111078	8.39737E-05
8432	0.000106754	0.000112703	3.48902E-05	0.000111196	8.9819E-05	0.000111926	0.000116934	6.11359E-05	0.000111196	8.36866E-05
8433	0.00010607	0.000111937	3.51923E-05	0.000110603	9.06605E-05	0.000111182	0.000116109	6.1215E-05	0.000110603	8.45255E-05
8434	0.000103776	0.000109464	3.50632E-05	0.000107882	9.1078E-05	0.000108543	0.000113321	6.00838E-05	0.000107882	8.49419E-05
8435	0.000101774	0.000107314	3.48512E-05	0.00010529	9.16282E-05	0.000106161	0.000110825	5.88541E-05	0.00010529	8.5496E-05
8436	0.000100155	0.000105624	3.40863E-05	0.00010359	8.5245E-05	0.000104493	0.000109101	5.77479E-05	0.00010359	7.99746E-05
8437	9.90446E-05	0.000104461	3.36183E-05	0.000101985	8.50225E-05	0.000103151	0.000107733	5.66826E-05	0.000101985	7.9752E-05
8438	9.81015E-05	0.000103496	3.29319E-05	0.000101249	8.40364E-05	0.000102324	0.000106885	5.60658E-05	0.000101249	7.87563E-05
8439	9.97371E-05	0.000105242	3.32365E-05	0.000103117	8.87211E-05	0.000104144	0.000108795	5.69676E-05	0.000103117	8.25616E-05
8440	0.000108947	0.00011499	3.59378E-05	0.000112525	8.63319E-05	0.000113766	0.000118882	6.18748E-05	0.000112525	8.01402E-05
8441	0.000122231	0.000129077	3.95262E-05	0.000125089	8.40019E-05	0.000127258	0.000133107	6.79375E-05	0.000125089	7.77775E-05
8442	0.00013494	0.000142436	4.43791E-05	0.000134802	8.21147E-05	0.000138966	0.000145477	7.29345E-05	0.000134802	7.58659E-05
8443	0.000142044	0.000149713	4.93873E-05	0.000137827	6.78826E-05	0.000144138	0.000150908	7.5475E-05	0.000137827	6.33473E-05
8444	0.000140437	0.000147866	5.07006E-05	0.000134462	5.63806E-05	0.000141455	0.000148053	7.4536E-05	0.000134462	5.36105E-05
8445	0.000135763	0.000142925	4.92383E-05	0.00012857	4.86978E-05	0.000136103	0.000142464	7.15797E-05	0.00012857	4.67824E-05
8446	0.000129446	0.000136401	4.54272E-05	0.000120571	4.33316E-05	0.00012912	0.000135216	6.7294E-05	0.000120571	4.23085E-05
8447	0.000115547	0.000121812	3.98647E-05	0.00010981	4.20614E-05	0.000116295	0.000121694	6.15372E-05	0.00010981	4.1026E-05
8448	0.000105423	0.000111287	3.4579E-05	0.000103046	4.14238E-05	0.000107596	0.000112554	5.73075E-05	0.000103046	4.03831E-05
8449	9.22442E-05	9.74994E-05	2.87592E-05	9.32551E-05	4.138E-05	9.56935E-05	0.000100023	5.17838E-05	9.32551E-05	4.03513E-05
8450	8.7792E-05	9.28767E-05	2.63662E-05	8.99039E-05	4.18771E-05	9.17167E-05	9.58715E-05	4.95774E-05	8.99039E-05	4.08608E-05
8451	8.54913E-05	9.04654E-05	2.54024E-05	8.8462E-05	4.29882E-05	8.97458E-05	9.37769E-05	4.88615E-05	8.8462E-05	4.19955E-05
8452	8.72578E-05	9.23365E-05	2.59042E-05	9.10714E-05	4.48348E-05	9.19394E-05	9.60325E-05	5.04263E-05	9.10714E-05	4.38721E-05
8453	9.35654E-05	9.89811E-05	2.81406E-05	9.77209E-05	4.72923E-05	9.85609E-05	0.000102932	5.42266E-05	9.77209E-05	4.63585E-05
8454	0.000103435	0.000109405	3.13033E-05	0.000106177	4.79304E-05	0.000108134	0.000113039	5.83939E-05	0.000106177	4.69771E-05
8455	0.000109348	0.000115572	3.41608E-05	0.000111078	9.00713E-05	0.000113659	0.000118854	6.09693E-05	0.000111078	8.39737E-05
8456	0.000106754	0.000112703	3.48902E-05	0.000111196	8.9819E-05	0.000111926	0.000116934	6.11359E-05	0.000111196	8.36866E-05
8457	0.00010607	0.000111937	3.51923E-05	0.000110603	9.06605E-05	0.000111182	0.000116109	6.1215E-05	0.000110603	8.45255E-05
8458	0.000103776	0.000109464	3.50632E-05	0.000107882	9.1078E-05	0.000108543	0.000113321	6.00838E-05	0.000107882	8.49419E-05
8459	0.000101774	0.000107314	3.48512E-05	0.00010529	9.16282E-05	0.000106161	0.000110825	5.88541E-05	0.00010529	8.5496E-05
8460	0.000100155	0.000105624	3.40863E-05	0.00010359	8.5245E-05	0.000104493	0.000109101	5.77479E-05	0.00010359	7.99746E-05
8461	9.90446E-05	0.000104461	3.36183E-05	0.000101985	8.50225E-05	0.000103151	0.000107733	5.66826E-05	0.000101985	7.9752E-05
8462	9.81015E-05	0.000103496	3.29319E-05	0.000101249	8.40364E-05	0.000102324	0.000106885	5.60658E-05	0.000101249	7.87563E-05
8463	9.97371E-05	0.000105242	3.32365E-05	0.000103117	8.87211E-05	0.000104144	0.000108795	5.69676E-05	0.000103117	8.25616E-05
8464	0.000108947	0.00011499	3.59378E-05	0.000112525	8.63319E-05	0.000113766	0.000118882	6.18748E-05	0.000112525	8.01402E-05
8465	0.000122231	0.000129077	3.95262E-05	0.000125089	8.40019E-05	0.000127258	0.000133107	6.79375E-05	0.000125089	7.77775E-05
8466	0.00013494	0.000142436	4.43791E-05	0.000134802	8.21147E-05	0.000138966	0.000145477	7.29345E-05	0.000134802	7.58659E-05
8467	0.000142044	0.000149713	4.93873E-05	0.000137827	6.78826E-05	0.000144138	0.000150908	7.5475E-05	0.000137827	6.33473E-05
8468	0.000140437	0.000147866	5.07006E-05	0.000134462	5.63806E-05	0.000141455	0.000148053	7.4536E-05	0.000134462	5.36105E-05
8469	0.000135763	0.000142925	4.92383E-05	0.00012857	4.86978E-05	0.000136103	0.000142464	7.15797E-05	0.00012857	4.67824E-05
8470	0.000129446	0.000136401	4.54272E-05	0.000120571	4.33316E-05	0.00012912	0.000135216	6.7294E-05	0.000120571	4.23085E-05
8471	0.000115547	0.000121812	3.98647E-05	0.00010981	4.20614E-05	0.000116295	0.000121694	6.15372E-05	0.00010981	4.1026E-05
8472	0.000105423	0.000111287	3.4579E-05	0.000103046	4.14238E-05	0.000107596	0.000112554	5.73075E-05	0.000103046	4.03831E-05
8473	9.24473E-05	9.77142E-05	2.88219E-05	9.35019E-05	4.14601E-05	9.59221E-05	0.00010026	5.19253E-05	9.35019E-05	4.04316E-05
8474	8.90808E-05	9.42391E-05	2.67656E-05	9.14751E-05	4.18988E-05	9.31694E-05	9.73784E-05	5.04805E-05	9.14751E-05	4.08821E-05
8475	8.6758E-05	9.18045E-05	2.57945E-05	9.00041E-05	4.29712E-05	9.11728E-05	9.52572E-05	4.9747E-05	9.00041E-05	4.19777E-05
8476	8.84767E-05	9.36259E-05	2.62729E-05	9.25236E-05	4.48761E-05	9.33002E-05	9.74465E-05	5.12473E-05	9.25236E-05	4.39137E-05
8477	9.47676E-05	0.000100253	2.84966E-05	9.9125E-05	4.73751E-05	9.9892E-05	0.000104317	5.50085E-05	9.9125E-05	4.6442E-05
8478	0.000104616	0.000110656	3.16559E-05	0.000107567	4.80868E-05	0.000109446	0.000114403	5.91722E-05	0.000107567	4.71358E-05
8479	0.000109108	0.000115287	3.44622E-05	0.000112363	9.02461E-05	0.000114014	0.000119171	6.17036E-05	0.000112363	8.41509E-05
8480	0.000108288	0.000114327	3.53313E-05	0.000112939	9.004E-05	0.000113605	0.000118685	6.20857E-05	0.000112939	8.39111E-05
8481	0.000108037	0.000114021	3.57547E-05	0.000112826	9.09326E-05	0.000113331	0.000118351	6.24208E-05	0.000112826	8.48022E-05
8482	0.0001063	0.000112138	3.57799E-05	0.000110715	9.13251E-05	0.000111293	0.000116191	6.16133E-05	0.000110715	8.51931E-05
8483	0.0001046	0.000110308	3.56548E-05	0.000108467	9.17969E-05	0.000109242	0.000114041	6.05707E-05	0.000108467	8.56674E-05
8484	0.000103084	0.000108726	3.49241E-05	0.000106901	8.54228E-05	0.000107693	0.00011244	5.95449E-05	0.000106901	8.01549E-05
8485	0.000102005	0.000107595	3.44748E-05	0.000105368	8.5239E-05	0.0001064	0.00011112	5.85341E-05	0.000105368	7.99718E-05
8486	0.000100909	0.00010647	3.37275E-05	0.000104394	8.42329E-05	0.000105381	0.000110076	5.77608E-05	0.000104394	7.89559E-05
8487	0.000102278	0.000107933	3.39625E-05	0.000105986	8.88901E-05	0.000106918	0.00011169	5.85239E-05	0.000105986	8.27331E-05
8488	0.000111134	0.000117305	3.65813E-05	0.000115064	8.64417E-05	0.000116182	0.000121397	6.32821E-05	0.000115064	8.02514E-05
8489	0.000124227	0.000131188	4.01309E-05	0.00012747	8.41518E-05	0.000129488	0.000135424	6.92853E-05	0.00012747	7.79296E-05
8490	0.000136785	0.000144388	4.49306E-05	0.000136976	8.22805E-05	0.000141016	0.000147608	7.41534E-05	0.000136976	7.60342E-05
8491	0.000143798	0.000151569	4.99275E-05	0.000139953	6.81221E-05	0.00014611	0.000152955	7.66911E-05	0.000139953	6.35902E-05
8492	0.000141941	0.000149453	5.11834E-05	0.000136357	5.65621E-05	0.000143174	0.000149832	7.56512E-05	0.000136357	5.37943E-05
8493	0.000138532	0.000145884	4.97165E-05	0.000130353	4.87832E-05	0.000138593	0.0001451	7.26017E-05	0.000130353	4.6868E-05
8494	0.00013071	0.000137736	4.58263E-05	0.000122139	4.33443E-05	0.000130555	0.000136703	6.82064E-05	0.000122139	4.23203E-05
8495	0.000116627	0.000122954	4.0188E-05	0.000111084	4.20471E-05	0.000117495	0.000122942	6.22524E-05	0.000111084	4.10103E-05
8496	0.000106058	0.00011196	3.4759E-05	0.000103757	4.12706E-05	0.000108288	0.000113276	5.76908E-05	0.000103757	4.02267E-05
8497	9.24473E-05	9.77142E-05	2.88219E-05	9.35019E-05	4.14601E-05	9.59221E-05	0.00010026	5.19253E-05	9.35019E-05	4.04316E-05
8498	8.90808E-05	9.42391E-05	2.67656E-05	9.14751E-05	4.18988E-05	9.31694E-05	9.73784E-05	5.04805E-05	9.14751E-05	4.08821E-05
8499	8.6758E-05	9.18045E-05	2.57945E-05	9.00041E-05	4.29712E-05	9.11728E-05	9.52572E-05	4.9747E-05	9.00041E-05	4.19777E-05
8500	8.84767E-05	9.36259E-05	2.62729E-05	9.25236E-05	4.48761E-05	9.33002E-05	9.74465E-05	5.12473E-05	9.25236E-05	4.39137E-05
8501	9.47676E-05	0.000100253	2.84966E-05	9.9125E-05	4.73751E-05	9.9892E-05	0.000104317	5.50085E-05	9.9125E-05	4.6442E-05
8502	0.000104616	0.000110656	3.16559E-05	0.000107567	4.80868E-05	0.000109446	0.000114403	5.91722E-05	0.000107567	4.71358E-05
8503	0.000109108	0.000115287	3.44622E-05	0.000112363	9.02461E-05	0.000114014	0.000119171	6.17036E-05	0.000112363	8.41509E-05

8504	0.000108288	0.000114327	3.53313E-05	0.000112939	9.004E-05	0.000113605	0.000118685	6.20857E-05	0.000112939	8.39111E-05
8505	0.000108037	0.000114021	3.57547E-05	0.000112826	9.09326E-05	0.000113331	0.000118351	6.24208E-05	0.000112826	8.48022E-05
8506	0.0001063	0.000112138	3.57799E-05	0.000110715	9.13251E-05	0.000111293	0.000116191	6.16133E-05	0.000110715	8.51931E-05
8507	0.0001046	0.000110308	3.56548E-05	0.000108467	9.17969E-05	0.000109242	0.000114041	6.05707E-05	0.000108467	8.56674E-05
8508	0.000103084	0.000108726	3.49241E-05	0.000106901	8.54228E-05	0.000107693	0.00011244	5.95449E-05	0.000106901	8.01549E-05
8509	0.000102005	0.000107595	3.44748E-05	0.000105368	8.5239E-05	0.0001064	0.00011112	5.85341E-05	0.000105368	7.99718E-05
8510	0.000100909	0.00010647	3.37275E-05	0.000104394	8.42329E-05	0.000105381	0.000110076	5.77608E-05	0.000104394	7.89559E-05
8511	0.000102278	0.000107933	3.39625E-05	0.000105986	8.88901E-05	0.000106918	0.00011169	5.85239E-05	0.000105986	8.27331E-05
8512	0.000111134	0.000117305	3.65813E-05	0.000115064	8.64417E-05	0.000116182	0.000121397	6.32821E-05	0.000115064	8.02514E-05
8513	0.000124227	0.000131188	4.01309E-05	0.00012747	8.41518E-05	0.000129488	0.000135424	6.92853E-05	0.00012747	7.79296E-05
8514	0.000136785	0.000144388	4.49306E-05	0.000136976	8.22805E-05	0.000141016	0.000147608	7.41534E-05	0.000136976	7.60342E-05
8515	0.000143798	0.000151569	4.99275E-05	0.000139953	6.81221E-05	0.00014611	0.000152955	7.66911E-05	0.000139953	6.35902E-05
8516	0.000141941	0.000149453	5.11834E-05	0.000136357	5.65621E-05	0.000143174	0.000149832	7.56512E-05	0.000136357	5.37943E-05
8517	0.000138532	0.000145884	4.97165E-05	0.000130353	4.87832E-05	0.000138593	0.0001451	7.26017E-05	0.000130353	4.6868E-05
8518	0.00013071	0.000137736	4.58263E-05	0.000122139	4.33443E-05	0.000130555	0.000136703	6.82064E-05	0.000122139	4.23203E-05
8519	0.000116627	0.000122954	4.0188E-05	0.000111084	4.20471E-05	0.000117495	0.000122942	6.22524E-05	0.000111084	4.10103E-05
8520	0.000106058	0.00011196	3.4759E-05	0.000103757	4.12706E-05	0.000108288	0.000113276	5.76908E-05	0.000103757	4.02267E-05
8521	9.24473E-05	9.77142E-05	2.88219E-05	9.35019E-05	4.14601E-05	9.59221E-05	0.00010026	5.19253E-05	9.35019E-05	4.04316E-05
8522	8.90808E-05	9.42391E-05	2.67656E-05	9.14751E-05	4.18988E-05	9.31694E-05	9.73784E-05	5.04805E-05	9.14751E-05	4.08821E-05
8523	8.6758E-05	9.18045E-05	2.57945E-05	9.00041E-05	4.29712E-05	9.11728E-05	9.52572E-05	4.9747E-05	9.00041E-05	4.19777E-05
8524	8.84767E-05	9.36259E-05	2.62729E-05	9.25236E-05	4.48761E-05	9.33002E-05	9.74465E-05	5.12473E-05	9.25236E-05	4.39137E-05
8525	9.47676E-05	0.000100253	2.84966E-05	9.9125E-05	4.73751E-05	9.9892E-05	0.000104317	5.50085E-05	9.9125E-05	4.6442E-05
8526	0.000104616	0.000110656	3.16559E-05	0.000107567	4.80868E-05	0.000109446	0.000114403	5.91722E-05	0.000107567	4.71358E-05
8527	0.000109108	0.000115287	3.44622E-05	0.000112363	9.02461E-05	0.000114014	0.000119171	6.17036E-05	0.000112363	8.41509E-05
8528	0.000108288	0.000114327	3.53313E-05	0.000112939	9.004E-05	0.000113605	0.000118685	6.20857E-05	0.000112939	8.39111E-05
8529	0.000108037	0.000114021	3.57547E-05	0.000112826	9.09326E-05	0.000113331	0.000118351	6.24208E-05	0.000112826	8.48022E-05
8530	0.0001063	0.000112138	3.57799E-05	0.000110715	9.13251E-05	0.000111293	0.000116191	6.16133E-05	0.000110715	8.51931E-05
8531	0.0001046	0.000110308	3.56548E-05	0.000108467	9.17969E-05	0.000109242	0.000114041	6.05707E-05	0.000108467	8.56674E-05
8532	0.000103084	0.000108726	3.49241E-05	0.000106901	8.54228E-05	0.000107693	0.00011244	5.95449E-05	0.000106901	8.01549E-05
8533	0.000102005	0.000107595	3.44748E-05	0.000105368	8.5239E-05	0.0001064	0.00011112	5.85341E-05	0.000105368	7.99718E-05
8534	0.000100909	0.00010647	3.37275E-05	0.000104394	8.42329E-05	0.000105381	0.000110076	5.77608E-05	0.000104394	7.89559E-05
8535	0.000102278	0.000107933	3.39625E-05	0.000105986	8.88901E-05	0.000106918	0.00011169	5.85239E-05	0.000105986	8.27331E-05
8536	0.000111134	0.000117305	3.65813E-05	0.000115064	8.64417E-05	0.000116182	0.000121397	6.32821E-05	0.000115064	8.02514E-05
8537	0.000124227	0.000131188	4.01309E-05	0.00012747	8.41518E-05	0.000129488	0.000135424	6.92853E-05	0.00012747	7.79296E-05
8538	0.000136785	0.000144388	4.49306E-05	0.000136976	8.22805E-05	0.000141016	0.000147608	7.41534E-05	0.000136976	7.60342E-05
8539	0.000143798	0.000151569	4.99275E-05	0.000139953	6.81221E-05	0.00014611	0.000152955	7.66911E-05	0.000139953	6.35902E-05
8540	0.000141941	0.000149453	5.11834E-05	0.000136357	5.65621E-05	0.000143174	0.000149832	7.56512E-05	0.000136357	5.37943E-05
8541	0.000138532	0.000145884	4.97165E-05	0.000130353	4.87832E-05	0.000138593	0.0001451	7.26017E-05	0.000130353	4.6868E-05
8542	0.00013071	0.000137736	4.58263E-05	0.000122139	4.33443E-05	0.000130555	0.000136703	6.82064E-05	0.000122139	4.23203E-05
8543	0.000116627	0.000122954	4.0188E-05	0.000111084	4.20471E-05	0.000117495	0.000122942	6.22524E-05	0.000111084	4.10103E-05
8544	0.000106058	0.00011196	3.4759E-05	0.000103757	4.12706E-05	0.000108288	0.000113276	5.76908E-05	0.000103757	4.02267E-05
8545	9.24473E-05	9.77142E-05	2.88219E-05	9.35019E-05	4.14601E-05	9.59221E-05	0.00010026	5.19253E-05	9.35019E-05	4.04316E-05
8546	8.90808E-05	9.42391E-05	2.67656E-05	9.14751E-05	4.18988E-05	9.31694E-05	9.73784E-05	5.04805E-05	9.14751E-05	4.08821E-05
8547	8.6758E-05	9.18045E-05	2.57945E-05	9.00041E-05	4.29712E-05	9.11728E-05	9.52572E-05	4.9747E-05	9.00041E-05	4.19777E-05
8548	8.84767E-05	9.36259E-05	2.62729E-05	9.25236E-05	4.48761E-05	9.33002E-05	9.74465E-05	5.12473E-05	9.25236E-05	4.39137E-05
8549	9.47676E-05	0.000100253	2.84966E-05	9.9125E-05	4.73751E-05	9.9892E-05	0.000104317	5.50085E-05	9.9125E-05	4.6442E-05
8550	0.000104616	0.000110656	3.16559E-05	0.000107567	4.80868E-05	0.000109446	0.000114403	5.91722E-05	0.000107567	4.71358E-05
8551	0.000109108	0.000115287	3.44622E-05	0.000112363	9.02461E-05	0.000114014	0.000119171	6.17036E-05	0.000112363	8.41509E-05
8552	0.000108288	0.000114327	3.53313E-05	0.000112939	9.004E-05	0.000113605	0.000118685	6.20857E-05	0.000112939	8.39111E-05
8553	0.000108037	0.000114021	3.57547E-05	0.000112826	9.09326E-05	0.000113331	0.000118351	6.24208E-05	0.000112826	8.48022E-05
8554	0.0001063	0.000112138	3.57799E-05	0.000110715	9.13251E-05	0.000111293	0.000116191	6.16133E-05	0.000110715	8.51931E-05
8555	0.0001046	0.000110308	3.56548E-05	0.000108467	9.17969E-05	0.000109242	0.000114041	6.05707E-05	0.000108467	8.56674E-05
8556	0.000103084	0.000108726	3.49241E-05	0.000106901	8.54228E-05	0.000107693	0.00011244	5.95449E-05	0.000106901	8.01549E-05
8557	0.000102005	0.000107595	3.44748E-05	0.000105368	8.5239E-05	0.0001064	0.00011112	5.85341E-05	0.000105368	7.99718E-05
8558	0.000100909	0.00010647	3.37275E-05	0.000104394	8.42329E-05	0.000105381	0.000110076	5.77608E-05	0.000104394	7.89559E-05
8559	0.000102278	0.000107933	3.39625E-05	0.000105986	8.88901E-05	0.000106918	0.00011169	5.85239E-05	0.000105986	8.27331E-05
8560	0.000111134	0.000117305	3.65813E-05	0.000115064	8.64417E-05	0.000116182	0.000121397	6.32821E-05	0.000115064	8.02514E-05
8561	0.000124227	0.000131188	4.01309E-05	0.00012747	8.41518E-05	0.000129488	0.000135424	6.92853E-05	0.00012747	7.79296E-05
8562	0.000136785	0.000144388	4.49306E-05	0.000136976	8.22805E-05	0.000141016	0.000147608	7.41534E-05	0.000136976	7.60342E-05
8563	0.000143798	0.000151569	4.99275E-05	0.000139953	6.81221E-05	0.00014611	0.000152955	7.66911E-05	0.000139953	6.35902E-05
8564	0.000141941	0.000149453	5.11834E-05	0.000136357	5.65621E-05	0.000143174	0.000149832	7.56512E-05	0.000136357	5.37943E-05
8565	0.000138532	0.000145884	4.97165E-05	0.000130353	4.87832E-05	0.000138593	0.0001451	7.26017E-05	0.000130353	4.6868E-05
8566	0.00013071	0.000137736	4.58263E-05	0.000122139	4.33443E-05	0.000130555	0.000136703	6.82064E-05	0.000122139	4.23203E-05
8567	0.000116627	0.000122954	4.0188E-05	0.000111084	4.20471E-05	0.000117495	0.000122942	6.22524E-05	0.000111084	4.10103E-05
8568	0.000106058	0.00011196	3.4759E-05	0.000103757	4.12706E-05	0.000108288	0.000113276	5.76908E-05	0.000103757	4.02267E-05
8569	9.24473E-05	9.77142E-05	2.88219E-05	9.35019E-05	4.14601E-05	9.59221E-05	0.00010026	5.19253E-05	9.35019E-05	4.04316E-05
8570	8.90808E-05	9.42391E-05	2.67656E-05	9.14751E-05	4.18988E-05	9.31694E-05	9.73784E-05	5.04805E-05	9.14751E-05	4.08821E-05
8571	8.6758E-05	9.18045E-05	2.57945E-05	9.00041E-05	4.29712E-05	9.11728E-05	9.52572E-05	4.9747E-05	9.00041E-05	4.19777E-05
8572	8.84767E-05	9.36259E-05	2.62729E-05	9.25236E-05	4.48761E-05	9.33002E-05	9.74465E-05	5.12473E-05	9.25236E-05	4.39137E-05
8573	9.47676E-05	0.000100253	2.84966E-05	9.9125E-05	4.73751E-05	9.9892E-05	0.000104317	5.50085E-05	9.9125E-05	4.6442E-05
8574	0.000104616	0.000110656	3.16559E-05	0.000107567	4.80868E-05	0.000109446	0.000114403	5.91722E-05	0.000107567	4.71358E-05
8575	0.000109108	0.000115287	3.44622E-05	0.000112363	9.02461E-05	0.000114014	0.000119171	6.17036E-05	0.000112363	8.41509E-05
8576	0.000108288	0.000114327	3.53313E-05	0.000112939	9.004E-05	0.000113605	0.000118685	6.20857E-05	0.000112939	8.39111E-05
8577	0.000108037	0.000114021	3.57547E-05	0.000112826	9.09326E-05	0.000113331	0.000118351	6.24208E-05	0.000112826	8.48022E-05
8578	0.0001063	0.000112138	3.57799E-05	0.000110715	9.13251E-05	0.000111293	0.000116191	6.16133E-05	0.000110715	8.51931E-05
8579	0.0001046	0.000110308	3.56548E-05	0.000108467	9.17969E-05	0.000109242	0.000114041	6.05707E-05	0.000108467	8.56674E-05

8580	0.000103084	0.000108726	3.49241E-05	0.000106901	8.54228E-05	0.000107693	0.00011244	5.95449E-05	0.000106901	8.01549E-05
8581	0.000102005	0.000107595	3.44748E-05	0.000105368	8.5239E-05	0.0001064	0.00011112	5.85341E-05	0.000105368	7.99718E-05
8582	0.000100909	0.00010647	3.37275E-05	0.000104394	8.42329E-05	0.000105381	0.000110076	5.77608E-05	0.000104394	7.89559E-05
8583	0.000102278	0.000107933	3.39625E-05	0.000105986	8.88901E-05	0.000106918	0.00011169	5.85239E-05	0.000105986	8.27331E-05
8584	0.000111134	0.000117305	3.65813E-05	0.000115064	8.64417E-05	0.000116182	0.000121397	6.32821E-05	0.000115064	8.02514E-05
8585	0.000124227	0.000131188	4.01309E-05	0.00012747	8.41518E-05	0.000129488	0.000135424	6.92853E-05	0.00012747	7.79296E-05
8586	0.000136785	0.000144388	4.49306E-05	0.000136976	8.22805E-05	0.000141016	0.000147608	7.41534E-05	0.000136976	7.60342E-05
8587	0.000143798	0.000151569	4.99275E-05	0.000139953	6.81221E-05	0.00014611	0.000152955	7.66911E-05	0.000139953	6.35902E-05
8588	0.000141941	0.000149453	5.11834E-05	0.000136357	5.65621E-05	0.000143174	0.000149832	7.56512E-05	0.000136357	5.37943E-05
8589	0.000138532	0.000145884	4.97165E-05	0.000130353	4.87832E-05	0.000138593	0.0001451	7.26017E-05	0.000130353	4.6868E-05
8590	0.00013071	0.000137736	4.58263E-05	0.000122139	4.33443E-05	0.000130555	0.000136703	6.82064E-05	0.000122139	4.23203E-05
8591	0.000116627	0.000122954	4.0188E-05	0.000111084	4.20471E-05	0.000117495	0.000122942	6.22524E-05	0.000111084	4.10103E-05
8592	0.000106058	0.00011196	3.4759E-05	0.000103757	4.12706E-05	0.000108288	0.000113276	5.76908E-05	0.000103757	4.02267E-05
8593	9.22442E-05	9.74994E-05	2.87592E-05	9.32551E-05	4.138E-05	9.56935E-05	0.000100023	5.17838E-05	9.32551E-05	4.03513E-05
8594	8.7792E-05	9.28767E-05	2.63662E-05	8.99039E-05	4.18771E-05	9.17167E-05	9.58715E-05	4.95774E-05	8.99039E-05	4.08608E-05
8595	8.54913E-05	9.04654E-05	2.54024E-05	8.8462E-05	4.29882E-05	8.97458E-05	9.37769E-05	4.88615E-05	8.8462E-05	4.19955E-05
8596	8.72578E-05	9.23365E-05	2.59042E-05	9.10714E-05	4.48348E-05	9.19394E-05	9.60325E-05	5.04263E-05	9.10714E-05	4.38721E-05
8597	9.35654E-05	9.89811E-05	2.81406E-05	9.77209E-05	4.72923E-05	9.85609E-05	0.000102932	5.42266E-05	9.77209E-05	4.63585E-05
8598	0.000103435	0.000109405	3.13033E-05	0.000106177	4.79304E-05	0.000108134	0.000113039	5.83939E-05	0.000106177	4.69771E-05
8599	0.000109348	0.000115572	3.41608E-05	0.000111078	9.00713E-05	0.000113659	0.000118854	6.09693E-05	0.000111078	8.39737E-05
8600	0.000106754	0.000112703	3.48902E-05	0.000111196	8.9819E-05	0.000111926	0.000116934	6.11359E-05	0.000111196	8.36866E-05
8601	0.00010607	0.000111937	3.51923E-05	0.000110603	9.06605E-05	0.000111182	0.000116109	6.1215E-05	0.000110603	8.45255E-05
8602	0.000103776	0.000109464	3.50632E-05	0.000107882	9.1078E-05	0.000108543	0.000113321	6.00838E-05	0.000107882	8.49419E-05
8603	0.000101774	0.000107314	3.48512E-05	0.00010529	9.16282E-05	0.000106161	0.000110825	5.88541E-05	0.00010529	8.5496E-05
8604	0.000100155	0.000105624	3.40863E-05	0.00010359	8.5245E-05	0.000104493	0.000109101	5.77479E-05	0.00010359	7.99746E-05
8605	9.90446E-05	0.000104461	3.36183E-05	0.000101985	8.50225E-05	0.000103151	0.000107733	5.66826E-05	0.000101985	7.9752E-05
8606	9.81015E-05	0.000103496	3.29319E-05	0.000101249	8.40364E-05	0.000102324	0.000106885	5.60658E-05	0.000101249	7.87563E-05
8607	9.97371E-05	0.000105242	3.32365E-05	0.000103117	8.87211E-05	0.000104144	0.000108795	5.69676E-05	0.000103117	8.25616E-05
8608	0.000108947	0.00011499	3.59378E-05	0.000112525	8.63319E-05	0.000113766	0.000118882	6.18748E-05	0.000112525	8.01402E-05
8609	0.000122231	0.000129077	3.95262E-05	0.000125089	8.40019E-05	0.000127258	0.000133107	6.79375E-05	0.000125089	7.77775E-05
8610	0.00013494	0.000142436	4.43791E-05	0.000134802	8.21147E-05	0.000138966	0.000145477	7.29345E-05	0.000134802	7.58659E-05
8611	0.000142044	0.000149713	4.93873E-05	0.000137827	6.78826E-05	0.000144138	0.000150908	7.5475E-05	0.000137827	6.33473E-05
8612	0.000140437	0.000147866	5.07006E-05	0.000134462	5.63806E-05	0.000141455	0.000148053	7.4536E-05	0.000134462	5.36105E-05
8613	0.000135763	0.000142925	4.92383E-05	0.00012857	4.86978E-05	0.000136103	0.000142464	7.15797E-05	0.00012857	4.67824E-05
8614	0.000129446	0.000136401	4.54272E-05	0.000120571	4.33316E-05	0.00012912	0.000135216	6.7294E-05	0.000120571	4.23085E-05
8615	0.000115547	0.000121812	3.98647E-05	0.00010981	4.20614E-05	0.000116295	0.000121694	6.15372E-05	0.00010981	4.1026E-05
8616	0.000105423	0.000111287	3.4579E-05	0.000103046	4.14238E-05	0.000107596	0.000112554	5.73075E-05	0.000103046	4.03831E-05
8617	9.22442E-05	9.74994E-05	2.87592E-05	9.32551E-05	4.138E-05	9.56935E-05	0.000100023	5.17838E-05	9.32551E-05	4.03513E-05
8618	8.7792E-05	9.28767E-05	2.63662E-05	8.99039E-05	4.18771E-05	9.17167E-05	9.58715E-05	4.95774E-05	8.99039E-05	4.08608E-05
8619	8.54913E-05	9.04654E-05	2.54024E-05	8.8462E-05	4.29882E-05	8.97458E-05	9.37769E-05	4.88615E-05	8.8462E-05	4.19955E-05
8620	8.72578E-05	9.23365E-05	2.59042E-05	9.10714E-05	4.48348E-05	9.19394E-05	9.60325E-05	5.04263E-05	9.10714E-05	4.38721E-05
8621	9.35654E-05	9.89811E-05	2.81406E-05	9.77209E-05	4.72923E-05	9.85609E-05	0.000102932	5.42266E-05	9.77209E-05	4.63585E-05
8622	0.000103435	0.000109405	3.13033E-05	0.000106177	4.79304E-05	0.000108134	0.000113039	5.83939E-05	0.000106177	4.69771E-05
8623	0.000109348	0.000115572	3.41608E-05	0.000111078	9.00713E-05	0.000113659	0.000118854	6.09693E-05	0.000111078	8.39737E-05
8624	0.000106754	0.000112703	3.48902E-05	0.000111196	8.9819E-05	0.000111926	0.000116934	6.11359E-05	0.000111196	8.36866E-05
8625	0.00010607	0.000111937	3.51923E-05	0.000110603	9.06605E-05	0.000111182	0.000116109	6.1215E-05	0.000110603	8.45255E-05
8626	0.000103776	0.000109464	3.50632E-05	0.000107882	9.1078E-05	0.000108543	0.000113321	6.00838E-05	0.000107882	8.49419E-05
8627	0.000101774	0.000107314	3.48512E-05	0.00010529	9.16282E-05	0.000106161	0.000110825	5.88541E-05	0.00010529	8.5496E-05
8628	0.000100155	0.000105624	3.40863E-05	0.00010359	8.5245E-05	0.000104493	0.000109101	5.77479E-05	0.00010359	7.99746E-05
8629	9.90446E-05	0.000104461	3.36183E-05	0.000101985	8.50225E-05	0.000103151	0.000107733	5.66826E-05	0.000101985	7.9752E-05
8630	9.81015E-05	0.000103496	3.29319E-05	0.000101249	8.40364E-05	0.000102324	0.000106885	5.60658E-05	0.000101249	7.87563E-05
8631	9.97371E-05	0.000105242	3.32365E-05	0.000103117	8.87211E-05	0.000104144	0.000108795	5.69676E-05	0.000103117	8.25616E-05
8632	0.000108947	0.00011499	3.59378E-05	0.000112525	8.63319E-05	0.000113766	0.000118882	6.18748E-05	0.000112525	8.01402E-05
8633	0.000122231	0.000129077	3.95262E-05	0.000125089	8.40019E-05	0.000127258	0.000133107	6.79375E-05	0.000125089	7.77775E-05
8634	0.00013494	0.000142436	4.43791E-05	0.000134802	8.21147E-05	0.000138966	0.000145477	7.29345E-05	0.000134802	7.58659E-05
8635	0.000142044	0.000149713	4.93873E-05	0.000137827	6.78826E-05	0.000144138	0.000150908	7.5475E-05	0.000137827	6.33473E-05
8636	0.000140437	0.000147866	5.07006E-05	0.000134462	5.63806E-05	0.000141455	0.000148053	7.4536E-05	0.000134462	5.36105E-05
8637	0.000135763	0.000142925	4.92383E-05	0.00012857	4.86978E-05	0.000136103	0.000142464	7.15797E-05	0.00012857	4.67824E-05
8638	0.000129446	0.000136401	4.54272E-05	0.000120571	4.33316E-05	0.00012912	0.000135216	6.7294E-05	0.000120571	4.23085E-05
8639	0.000115547	0.000121812	3.98647E-05	0.00010981	4.20614E-05	0.000116295	0.000121694	6.15372E-05	0.00010981	4.1026E-05
8640	0.000105423	0.000111287	3.4579E-05	0.000103046	4.14238E-05	0.000107596	0.000112554	5.73075E-05	0.000103046	4.03831E-05
8641	9.24473E-05	9.77142E-05	2.88219E-05	9.35019E-05	4.14601E-05	9.59221E-05	0.00010026	5.19253E-05	9.35019E-05	4.04316E-05
8642	8.90808E-05	9.42391E-05	2.67656E-05	9.14751E-05	4.18988E-05	9.31694E-05	9.73784E-05	5.04805E-05	9.14751E-05	4.08821E-05
8643	8.6758E-05	9.18045E-05	2.57945E-05	9.00041E-05	4.29712E-05	9.11728E-05	9.52572E-05	4.9747E-05	9.00041E-05	4.19777E-05
8644	8.84767E-05	9.36259E-05	2.62729E-05	9.25236E-05	4.48761E-05	9.33002E-05	9.74465E-05	5.12473E-05	9.25236E-05	4.39137E-05
8645	9.47676E-05	0.000100253	2.84966E-05	9.9125E-05	4.73751E-05	9.9892E-05	0.000104317	5.50085E-05	9.9125E-05	4.6442E-05
8646	0.000104616	0.000110656	3.16559E-05	0.000107567	4.80868E-05	0.000109446	0.000114403	5.91722E-05	0.000107567	4.71358E-05
8647	0.000109108	0.000115287	3.44622E-05	0.000112363	9.02461E-05	0.000114014	0.000119171	6.17036E-05	0.000112363	8.41509E-05
8648	0.000108288	0.000114327	3.53313E-05	0.000112939	9.004E-05	0.000113605	0.000118685	6.20857E-05	0.000112939	8.39111E-05
8649	0.000108037	0.000114021	3.57547E-05	0.000112826	9.09326E-05	0.000113331	0.000118351	6.24208E-05	0.000112826	8.48022E-05
8650	0.0001063	0.000112138	3.57799E-05	0.000110715	9.13251E-05	0.000111293	0.000116191	6.16133E-05	0.000110715	8.51931E-05
8651	0.0001046	0.000110308	3.56548E-05	0.000108467	9.17969E-05	0.000109242	0.000114041	6.05707E-05	0.000108467	8.56674E-05
8652	0.000103084	0.000108726	3.49241E-05	0.000106901	8.54228E-05	0.000107693	0.00011244	5.95449E-05	0.000106901	8.01549E-05
8653	0.000102005	0.000107595	3.44748E-05	0.000105368	8.5239E-05	0.0001064	0.00011112	5.85341E-05	0.000105368	7.99718E-05
8654	0.000100909	0.00010647	3.37275E-05	0.000104394	8.42329E-05	0.000105381	0.000110076	5.77608E-05	0.000104394	7.89559E-05
8655	0.000102278	0.000107933	3.39625E-05	0.000105986	8.88901E-05	0.000106918	0.00011169	5.85239E-05	0.000105986	8.27331E-05

8656	0.000111134	0.000117305	3.65813E-05	0.000115064	8.64417E-05	0.000116182	0.000121397	6.32821E-05	0.000115064	8.02514E-05
8657	0.000124227	0.000131188	4.01309E-05	0.00012747	8.41518E-05	0.000129488	0.000135424	6.92853E-05	0.00012747	7.79296E-05
8658	0.000136785	0.000144388	4.49306E-05	0.000136976	8.22805E-05	0.000141016	0.000147608	7.41534E-05	0.000136976	7.60342E-05
8659	0.000143798	0.000151569	4.99275E-05	0.000139953	6.81221E-05	0.00014611	0.000152955	7.66911E-05	0.000139953	6.35902E-05
8660	0.000141941	0.000149453	5.11834E-05	0.000136357	5.65621E-05	0.000143174	0.000149832	7.56512E-05	0.000136357	5.37943E-05
8661	0.000138532	0.000145884	4.97165E-05	0.000130353	4.87832E-05	0.000138593	0.0001451	7.26017E-05	0.000130353	4.6868E-05
8662	0.00013071	0.000137736	4.58263E-05	0.000122139	4.33443E-05	0.000130555	0.000136703	6.82064E-05	0.000122139	4.23203E-05
8663	0.000116627	0.000122954	4.0188E-05	0.000111084	4.20471E-05	0.000117495	0.000122942	6.22524E-05	0.000111084	4.10103E-05
8664	0.000106058	0.00011196	3.4759E-05	0.000103757	4.12706E-05	0.000108288	0.000113276	5.76908E-05	0.000103757	4.02267E-05
8665	9.24473E-05	9.77142E-05	2.88219E-05	9.35019E-05	4.14601E-05	9.59221E-05	0.00010026	5.19253E-05	9.35019E-05	4.04316E-05
8666	8.90808E-05	9.42391E-05	2.67656E-05	9.14751E-05	4.18988E-05	9.31694E-05	9.73784E-05	5.04805E-05	9.14751E-05	4.08821E-05
8667	8.6758E-05	9.18045E-05	2.57945E-05	9.00041E-05	4.29712E-05	9.11728E-05	9.52572E-05	4.9747E-05	9.00041E-05	4.19777E-05
8668	8.84767E-05	9.36259E-05	2.62729E-05	9.25236E-05	4.48761E-05	9.33002E-05	9.74465E-05	5.12473E-05	9.25236E-05	4.39137E-05
8669	9.47676E-05	0.000100253	2.84966E-05	9.9125E-05	4.73751E-05	9.9892E-05	0.000104317	5.50085E-05	9.9125E-05	4.6442E-05
8670	0.000104616	0.000110656	3.16559E-05	0.000107567	4.80868E-05	0.000109446	0.000114403	5.91722E-05	0.000107567	4.71358E-05
8671	0.000109108	0.000115287	3.44622E-05	0.000112363	9.02461E-05	0.000114014	0.000119171	6.17036E-05	0.000112363	8.41509E-05
8672	0.000108288	0.000114327	3.53313E-05	0.000112939	9.004E-05	0.000113605	0.000118685	6.20857E-05	0.000112939	8.39111E-05
8673	0.000108037	0.000114021	3.57547E-05	0.000112826	9.09326E-05	0.000113331	0.000118351	6.24208E-05	0.000112826	8.48022E-05
8674	0.0001063	0.000112138	3.57799E-05	0.000110715	9.13251E-05	0.000111293	0.000116191	6.16133E-05	0.000110715	8.51931E-05
8675	0.0001046	0.000110308	3.56548E-05	0.000108467	9.17969E-05	0.000109242	0.000114041	6.05707E-05	0.000108467	8.56674E-05
8676	0.000103084	0.000108726	3.49241E-05	0.000106901	8.54228E-05	0.000107693	0.00011244	5.95449E-05	0.000106901	8.01549E-05
8677	0.000102005	0.000107595	3.44748E-05	0.000105368	8.5239E-05	0.0001064	0.00011112	5.85341E-05	0.000105368	7.99718E-05
8678	0.000100909	0.00010647	3.37275E-05	0.000104394	8.42329E-05	0.000105381	0.000110076	5.77608E-05	0.000104394	7.89559E-05
8679	0.000102278	0.000107933	3.39625E-05	0.000105986	8.88901E-05	0.000106918	0.00011169	5.85239E-05	0.000105986	8.27331E-05
8680	0.000111134	0.000117305	3.65813E-05	0.000115064	8.64417E-05	0.000116182	0.000121397	6.32821E-05	0.000115064	8.02514E-05
8681	0.000124227	0.000131188	4.01309E-05	0.00012747	8.41518E-05	0.000129488	0.000135424	6.92853E-05	0.00012747	7.79296E-05
8682	0.000136785	0.000144388	4.49306E-05	0.000136976	8.22805E-05	0.000141016	0.000147608	7.41534E-05	0.000136976	7.60342E-05
8683	0.000143798	0.000151569	4.99275E-05	0.000139953	6.81221E-05	0.00014611	0.000152955	7.66911E-05	0.000139953	6.35902E-05
8684	0.000141941	0.000149453	5.11834E-05	0.000136357	5.65621E-05	0.000143174	0.000149832	7.56512E-05	0.000136357	5.37943E-05
8685	0.000138532	0.000145884	4.97165E-05	0.000130353	4.87832E-05	0.000138593	0.0001451	7.26017E-05	0.000130353	4.6868E-05
8686	0.00013071	0.000137736	4.58263E-05	0.000122139	4.33443E-05	0.000130555	0.000136703	6.82064E-05	0.000122139	4.23203E-05
8687	0.000116627	0.000122954	4.0188E-05	0.000111084	4.20471E-05	0.000117495	0.000122942	6.22524E-05	0.000111084	4.10103E-05
8688	0.000106058	0.00011196	3.4759E-05	0.000103757	4.12706E-05	0.000108288	0.000113276	5.76908E-05	0.000103757	4.02267E-05
8689	9.24473E-05	9.77142E-05	2.88219E-05	9.35019E-05	4.14601E-05	9.59221E-05	0.00010026	5.19253E-05	9.35019E-05	4.04316E-05
8690	8.90808E-05	9.42391E-05	2.67656E-05	9.14751E-05	4.18988E-05	9.31694E-05	9.73784E-05	5.04805E-05	9.14751E-05	4.08821E-05
8691	8.6758E-05	9.18045E-05	2.57945E-05	9.00041E-05	4.29712E-05	9.11728E-05	9.52572E-05	4.9747E-05	9.00041E-05	4.19777E-05
8692	8.84767E-05	9.36259E-05	2.62729E-05	9.25236E-05	4.48761E-05	9.33002E-05	9.74465E-05	5.12473E-05	9.25236E-05	4.39137E-05
8693	9.47676E-05	0.000100253	2.84966E-05	9.9125E-05	4.73751E-05	9.9892E-05	0.000104317	5.50085E-05	9.9125E-05	4.6442E-05
8694	0.000104616	0.000110656	3.16559E-05	0.000107567	4.80868E-05	0.000109446	0.000114403	5.91722E-05	0.000107567	4.71358E-05
8695	0.000109108	0.000115287	3.44622E-05	0.000112363	9.02461E-05	0.000114014	0.000119171	6.17036E-05	0.000112363	8.41509E-05
8696	0.000108288	0.000114327	3.53313E-05	0.000112939	9.004E-05	0.000113605	0.000118685	6.20857E-05	0.000112939	8.39111E-05
8697	0.000108037	0.000114021	3.57547E-05	0.000112826	9.09326E-05	0.000113331	0.000118351	6.24208E-05	0.000112826	8.48022E-05
8698	0.0001063	0.000112138	3.57799E-05	0.000110715	9.13251E-05	0.000111293	0.000116191	6.16133E-05	0.000110715	8.51931E-05
8699	0.0001046	0.000110308	3.56548E-05	0.000108467	9.17969E-05	0.000109242	0.000114041	6.05707E-05	0.000108467	8.56674E-05
8700	0.000103084	0.000108726	3.49241E-05	0.000106901	8.54228E-05	0.000107693	0.00011244	5.95449E-05	0.000106901	8.01549E-05
8701	0.000102005	0.000107595	3.44748E-05	0.000105368	8.5239E-05	0.0001064	0.00011112	5.85341E-05	0.000105368	7.99718E-05
8702	0.000100909	0.00010647	3.37275E-05	0.000104394	8.42329E-05	0.000105381	0.000110076	5.77608E-05	0.000104394	7.89559E-05
8703	0.000102278	0.000107933	3.39625E-05	0.000105986	8.88901E-05	0.000106918	0.00011169	5.85239E-05	0.000105986	8.27331E-05
8704	0.000111134	0.000117305	3.65813E-05	0.000115064	8.64417E-05	0.000116182	0.000121397	6.32821E-05	0.000115064	8.02514E-05
8705	0.000124227	0.000131188	4.01309E-05	0.00012747	8.41518E-05	0.000129488	0.000135424	6.92853E-05	0.00012747	7.79296E-05
8706	0.000136785	0.000144388	4.49306E-05	0.000136976	8.22805E-05	0.000141016	0.000147608	7.41534E-05	0.000136976	7.60342E-05
8707	0.000143798	0.000151569	4.99275E-05	0.000139953	6.81221E-05	0.00014611	0.000152955	7.66911E-05	0.000139953	6.35902E-05
8708	0.000141941	0.000149453	5.11834E-05	0.000136357	5.65621E-05	0.000143174	0.000149832	7.56512E-05	0.000136357	5.37943E-05
8709	0.000138532	0.000145884	4.97165E-05	0.000130353	4.87832E-05	0.000138593	0.0001451	7.26017E-05	0.000130353	4.6868E-05
8710	0.00013071	0.000137736	4.58263E-05	0.000122139	4.33443E-05	0.000130555	0.000136703	6.82064E-05	0.000122139	4.23203E-05
8711	0.000116627	0.000122954	4.0188E-05	0.000111084	4.20471E-05	0.000117495	0.000122942	6.22524E-05	0.000111084	4.10103E-05
8712	0.000106058	0.00011196	3.4759E-05	0.000103757	4.12706E-05	0.000108288	0.000113276	5.76908E-05	0.000103757	4.02267E-05
8713	9.24473E-05	9.77142E-05	2.88219E-05	9.35019E-05	4.14601E-05	9.59221E-05	0.00010026	5.19253E-05	9.35019E-05	4.04316E-05
8714	8.90808E-05	9.42391E-05	2.67656E-05	9.14751E-05	4.18988E-05	9.31694E-05	9.73784E-05	5.04805E-05	9.14751E-05	4.08821E-05
8715	8.6758E-05	9.18045E-05	2.57945E-05	9.00041E-05	4.29712E-05	9.11728E-05	9.52572E-05	4.9747E-05	9.00041E-05	4.19777E-05
8716	8.84767E-05	9.36259E-05	2.62729E-05	9.25236E-05	4.48761E-05	9.33002E-05	9.74465E-05	5.12473E-05	9.25236E-05	4.39137E-05
8717	9.47676E-05	0.000100253	2.84966E-05	9.9125E-05	4.73751E-05	9.9892E-05	0.000104317	5.50085E-05	9.9125E-05	4.6442E-05
8718	0.000104616	0.000110656	3.16559E-05	0.000107567	4.80868E-05	0.000109446	0.000114403	5.91722E-05	0.000107567	4.71358E-05
8719	0.000109108	0.000115287	3.44622E-05	0.000112363	9.02461E-05	0.000114014	0.000119171	6.17036E-05	0.000112363	8.41509E-05
8720	0.000108288	0.000114327	3.53313E-05	0.000112939	9.004E-05	0.000113605	0.000118685	6.20857E-05	0.000112939	8.39111E-05
8721	0.000108037	0.000114021	3.57547E-05	0.000112826	9.09326E-05	0.000113331	0.000118351	6.24208E-05	0.000112826	8.48022E-05
8722	0.0001063	0.000112138	3.57799E-05	0.000110715	9.13251E-05	0.000111293	0.000116191	6.16133E-05	0.000110715	8.51931E-05
8723	0.0001046	0.000110308	3.56548E-05	0.000108467	9.17969E-05	0.000109242	0.000114041	6.05707E-05	0.000108467	8.56674E-05
8724	0.000103084	0.000108726	3.49241E-05	0.000106901	8.54228E-05	0.000107693	0.00011244	5.95449E-05	0.000106901	8.01549E-05
8725	0.000102005	0.000107595	3.44748E-05	0.000105368	8.5239E-05	0.0001064	0.00011112	5.85341E-05	0.000105368	7.99718E-05
8726	0.000100909	0.00010647	3.37275E-05	0.000104394	8.42329E-05	0.000105381	0.000110076	5.77608E-05	0.000104394	7.89559E-05
8727	0.000102278	0.000107933	3.39625E-05	0.000105986	8.88901E-05	0.000106918	0.00011169	5.85239E-05	0.000105986	8.27331E-05
8728	0.000111134	0.000117305	3.65813E-05	0.000115064	8.64417E-05	0.000116182	0.000121397	6.32821E-05	0.000115064	8.02514E-05
8729	0.000124227	0.000131188	4.01309E-05	0.00012747	8.41518E-05	0.000129488	0.000135424	6.92853E-05	0.00012747	7.79296E-05
8730	0.000136785	0.000144388	4.49306E-05	0.000136976	8.22805E-05	0.000141016	0.000147608	7.41534E-05	0.000136976	7.60342E-05
8731	0.000143798	0.000151569	4.99275E-05	0.000139953	6.81221E-05	0.00014611	0.000152955	7.66911E-05	0.000139953	6.35902E-05

8732	0.000141941	0.000149453	5.11834E-05	0.000136357	5.65621E-05	0.000143174	0.000149832	7.56512E-05	0.000136357	5.37943E-05
8733	0.000138532	0.000145884	4.97165E-05	0.000130353	4.87832E-05	0.000138593	0.0001451	7.26017E-05	0.000130353	4.6868E-05
8734	0.00013071	0.000137736	4.58263E-05	0.000122139	4.33443E-05	0.000130555	0.000136703	6.82064E-05	0.000122139	4.23203E-05
8735	0.000116627	0.000122954	4.0188E-05	0.000111084	4.20471E-05	0.000117495	0.000122942	6.22524E-05	0.000111084	4.10103E-05
8736	0.000106058	0.00011196	3.4759E-05	0.000103757	4.12706E-05	0.000108288	0.000113276	5.76908E-05	0.000103757	4.02267E-05
8737	9.24473E-05	9.77142E-05	2.88219E-05	9.35019E-05	4.14601E-05	9.59221E-05	0.00010026	5.19253E-05	9.35019E-05	4.04316E-05
8738	8.90808E-05	9.42391E-05	2.67656E-05	9.14751E-05	4.18988E-05	9.31694E-05	9.73784E-05	5.04805E-05	9.14751E-05	4.08821E-05
8739	8.6758E-05	9.18045E-05	2.57945E-05	9.00041E-05	4.29712E-05	9.11728E-05	9.52572E-05	4.9747E-05	9.00041E-05	4.19777E-05
8740	8.84767E-05	9.36259E-05	2.62729E-05	9.25236E-05	4.48761E-05	9.33002E-05	9.74465E-05	5.12473E-05	9.25236E-05	4.39137E-05
8741	9.47676E-05	0.000100253	2.84966E-05	9.9125E-05	4.73751E-05	9.9892E-05	0.000104317	5.50085E-05	9.9125E-05	4.6442E-05
8742	0.000104616	0.000110656	3.16559E-05	0.000107567	4.80868E-05	0.000109446	0.000114403	5.91722E-05	0.000107567	4.71358E-05
8743	0.000109108	0.000115287	3.44622E-05	0.000112363	9.02461E-05	0.000114014	0.000119171	6.17036E-05	0.000112363	8.41509E-05
8744	0.000108288	0.000114327	3.53313E-05	0.000112939	9.004E-05	0.000113605	0.000118685	6.20857E-05	0.000112939	8.39111E-05
8745	0.000108037	0.000114021	3.57547E-05	0.000112826	9.09326E-05	0.000113331	0.000118351	6.24208E-05	0.000112826	8.48022E-05
8746	0.0001063	0.000112138	3.57799E-05	0.000110715	9.13251E-05	0.000111293	0.000116191	6.16133E-05	0.000110715	8.51931E-05
8747	0.0001046	0.000110308	3.56548E-05	0.000108467	9.17969E-05	0.000109242	0.000114041	6.05707E-05	0.000108467	8.56674E-05
8748	0.000103084	0.000108726	3.49241E-05	0.000106901	8.54228E-05	0.000107693	0.00011244	5.95449E-05	0.000106901	8.01549E-05
8749	0.000102005	0.000107595	3.44748E-05	0.000105368	8.5239E-05	0.0001064	0.00011112	5.85341E-05	0.000105368	7.99718E-05
8750	0.000100909	0.00010647	3.37275E-05	0.000104394	8.42329E-05	0.000105381	0.000110076	5.77608E-05	0.000104394	7.89559E-05
8751	0.000102278	0.000107933	3.39625E-05	0.000105986	8.88901E-05	0.000106918	0.00011169	5.85239E-05	0.000105986	8.27331E-05
8752	0.000111134	0.000117305	3.65813E-05	0.000115064	8.64417E-05	0.000116182	0.000121397	6.32821E-05	0.000115064	8.02514E-05
8753	0.000124227	0.000131188	4.01309E-05	0.00012747	8.41518E-05	0.000129488	0.000135424	6.92853E-05	0.00012747	7.79296E-05
8754	0.000136785	0.000144388	4.49306E-05	0.000136976	8.22805E-05	0.000141016	0.000147608	7.41534E-05	0.000136976	7.60342E-05
8755	0.000143798	0.000151569	4.99275E-05	0.000139953	6.81221E-05	0.00014611	0.000152955	7.66911E-05	0.000139953	6.35902E-05
8756	0.000141941	0.000149453	5.11834E-05	0.000136357	5.65621E-05	0.000143174	0.000149832	7.56512E-05	0.000136357	5.37943E-05
8757	0.000138532	0.000145884	4.97165E-05	0.000130353	4.87832E-05	0.000138593	0.0001451	7.26017E-05	0.000130353	4.6868E-05
8758	0.00013071	0.000137736	4.58263E-05	0.000122139	4.33443E-05	0.000130555	0.000136703	6.82064E-05	0.000122139	4.23203E-05
8759	0.000116627	0.000122954	4.0188E-05	0.000111084	4.20471E-05	0.000117495	0.000122942	6.22524E-05	0.000111084	4.10103E-05
8760	0.000106058	0.00011196	3.4759E-05	0.000103757	4.12706E-05	0.000108288	0.000113276	5.76908E-05	0.000103757	4.02267E-05
8761	9.24473E-05	9.77142E-05	2.88219E-05	9.35019E-05	4.14601E-05	9.59221E-05	0.00010026	5.19253E-05	9.35019E-05	4.04316E-05
8762	8.90808E-05	9.42391E-05	2.67656E-05	9.14751E-05	4.18988E-05	9.31694E-05	9.73784E-05	5.04805E-05	9.14751E-05	4.08821E-05
8763	8.6758E-05	9.18045E-05	2.57945E-05	9.00041E-05	4.29712E-05	9.11728E-05	9.52572E-05	4.9747E-05	9.00041E-05	4.19777E-05
8764	8.84767E-05	9.36259E-05	2.62729E-05	9.25236E-05	4.48761E-05	9.33002E-05	9.74465E-05	5.12473E-05	9.25236E-05	4.39137E-05
8765	9.47676E-05	0.000100253	2.84966E-05	9.9125E-05	4.73751E-05	9.9892E-05	0.000104317	5.50085E-05	9.9125E-05	4.6442E-05
8766	0.000104616	0.000110656	3.16559E-05	0.000107567	4.80868E-05	0.000109446	0.000114403	5.91722E-05	0.000107567	4.71358E-05
8767	0.000109108	0.000115287	3.44622E-05	0.000112363	9.02461E-05	0.000114014	0.000119171	6.17036E-05	0.000112363	8.41509E-05
8768	0.000108288	0.000114327	3.53313E-05	0.000112939	9.004E-05	0.000113605	0.000118685	6.20857E-05	0.000112939	8.39111E-05
8769	0.000108037	0.000114021	3.57547E-05	0.000112826	9.09326E-05	0.000113331	0.000118351	6.24208E-05	0.000112826	8.48022E-05
8770	0.0001063	0.000112138	3.57799E-05	0.000110715	9.13251E-05	0.000111293	0.000116191	6.16133E-05	0.000110715	8.51931E-05
8771	0.0001046	0.000110308	3.56548E-05	0.000108467	9.17969E-05	0.000109242	0.000114041	6.05707E-05	0.000108467	8.56674E-05
8772	0.000103084	0.000108726	3.49241E-05	0.000106901	8.54228E-05	0.000107693	0.00011244	5.95449E-05	0.000106901	8.01549E-05
8773	0.000102005	0.000107595	3.44748E-05	0.000105368	8.5239E-05	0.0001064	0.00011112	5.85341E-05	0.000105368	7.99718E-05
8774	0.000100909	0.00010647	3.37275E-05	0.000104394	8.42329E-05	0.000105381	0.000110076	5.77608E-05	0.000104394	7.89559E-05
8775	0.000102278	0.000107933	3.39625E-05	0.000105986	8.88901E-05	0.000106918	0.00011169	5.85239E-05	0.000105986	8.27331E-05
8776	0.000111134	0.000117305	3.65813E-05	0.000115064	8.64417E-05	0.000116182	0.000121397	6.32821E-05	0.000115064	8.02514E-05
8777	0.000124227	0.000131188	4.01309E-05	0.00012747	8.41518E-05	0.000129488	0.000135424	6.92853E-05	0.00012747	7.79296E-05
8778	0.000136785	0.000144388	4.49306E-05	0.000136976	8.22805E-05	0.000141016	0.000147608	7.41534E-05	0.000136976	7.60342E-05
8779	0.000143798	0.000151569	4.99275E-05	0.000139953	6.81221E-05	0.00014611	0.000152955	7.66911E-05	0.000139953	6.35902E-05
8780	0.000141941	0.000149453	5.11834E-05	0.000136357	5.65621E-05	0.000143174	0.000149832	7.56512E-05	0.000136357	5.37943E-05
8781	0.000138532	0.000145884	4.97165E-05	0.000130353	4.87832E-05	0.000138593	0.0001451	7.26017E-05	0.000130353	4.6868E-05
8782	0.00013071	0.000137736	4.58263E-05	0.000122139	4.33443E-05	0.000130555	0.000136703	6.82064E-05	0.000122139	4.23203E-05
8783	0.000116627	0.000122954	4.0188E-05	0.000111084	4.20471E-05	0.000117495	0.000122942	6.22524E-05	0.000111084	4.10103E-05
8784	0.000106058	0.00011196	3.4759E-05	0.000103757	4.12706E-05	0.000108288	0.000113276	5.76908E-05	0.000103757	4.02267E-05

Annual DSM Cost Summary

Note: Avoided T&D costs are netted out of total program costs

	CC Avoided Cost									
	RAP					MAP				
	Residential	Residential	Residential	IQW	C&I	Residential	Residential	Residential	IQW	C&I
	Total Program Costs ($)	Tier 1	Tier 2	Total Program Costs ($)	Total Program Costs ($)	Total Program Costs ($)	Tier 1	Tier 2	Total Program Costs ($)	Total Program Costs ($)
2024	$8,061,164	$6,842,227	$1,218,937	$940,000	$13,133,235	$21,531,975	$19,237,131	$2,294,844	$1,547,125	$49,047,767
2025	$9,361,572	$7,847,549	$1,514,023	$1,008,244	$12,721,890	$29,017,877	$25,631,887	$3,385,990	$2,201,243	$48,535,990
2026	$10,708,377	$8,865,364	$1,843,013	$1,081,443	$12,355,219	$37,991,121	$33,131,286	$4,859,835	$3,050,391	$48,368,022
2027	$12,074,344	$9,877,448	$2,196,896	$1,159,955	$12,023,457	$48,188,315	$41,457,204	$6,731,112	$4,079,420	$48,376,420
2028	$13,462,806	$10,898,525	$2,564,282	$1,244,168	$11,721,374	$59,175,307	$50,250,436	$8,924,871	$5,230,501	$48,360,068
2029	$14,782,240	$11,849,159	$2,933,081	$1,334,495	$11,307,472	$69,894,436	$58,629,223	$11,265,213	$6,408,804	$47,927,154
2030										
2031										
2032										
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2049										
2050										

	CC Avoided Cost									
	RAP					MAP				
	Residential	Residential	Residential	IQW	C&I	Residential	Residential	Residential	IQW	C&I
	Total Program Costs ($)	Tier 1	Tier 2	Total Program Costs ($)	Total Program Costs ($)	Total Program Costs ($)	Tier 1	Tier 2	Total Program Costs ($)	Total Program Costs ($)
2024										
2025										
2026										
2027										
2028										
2029										
2030	$16,114,809	$12,822,758	$3,292,051	$1,431,379	$12,245,644	$79,816,163	$66,294,873	$13,521,290	$7,509,114	$51,544,572
2031	$17,502,596	$13,869,819	$3,632,777	$1,535,297	$13,173,990	$88,739,166	$73,245,297	$15,493,869	$8,450,347	$54,621,761
2032	$18,689,413	$14,744,339	$3,945,074	$1,646,760	$14,058,857	$96,606,592	$79,536,005	$17,070,586	$9,196,498	$57,082,250
2033	$19,343,558	$15,121,268	$4,222,290	$1,766,314	$14,883,277	$101,379,813	$83,126,751	$18,253,061	$9,759,505	$58,939,912
2034	$20,352,803	$15,885,482	$4,467,321	$1,894,549	$15,632,102	$105,192,521	$86,102,404	$19,090,117	$10,162,594	$60,288,922
2035	$21,162,804	$16,491,308	$4,671,496	$2,032,093	$16,302,651	$107,906,560	$88,247,936	$19,658,624	$10,441,898	$61,151,215
2036										
2037										
2038										
2039										
2040										
2041										
2042										
2043										
2044										
2045										
2046										
2047										
2048										
2049										
2050										

	CC Avoided Cost									
	RAP					MAP				
	Residential	Residential	Residential	IQW	C&I	Residential	Residential	Residential	IQW	C&I
	Total Program Costs ($)	Tier 1	Tier 2	Total Program Costs ($)	Total Program Costs ($)	Total Program Costs ($)	Tier 1	Tier 2	Total Program Costs ($)	Total Program Costs ($)
2024										
2025										
2026										
2027										
2028										
2029										
2030										
2031										
2032										
2033										
2034										
2035										
2036	$21,904,788	$17,064,048	$4,840,739	$2,179,623	$16,887,147	$109,841,750	$89,804,967	$20,036,783	$10,640,379	$61,771,723
2037	$22,514,591	$17,547,414	$4,967,178	$2,337,864	$17,376,241	$111,140,436	$90,857,206	$20,283,230	$10,766,635	$62,216,028
2038	$23,044,837	$17,993,296	$5,051,541	$2,507,592	$17,793,928	$112,004,437	$91,642,119	$20,362,318	$10,837,724	$62,544,201
2039	$25,537,947	$20,417,901	$5,120,046	$2,689,644	$18,149,958	$117,364,966	$96,962,960	$20,402,005	$10,882,591	$62,722,386
2040	$26,091,355	$20,916,438	$5,174,917	$2,884,912	$18,431,551	$118,618,632	$98,188,243	$20,430,389	$10,927,644	$62,904,305
2041	$26,535,972	$21,318,836	$5,217,136	$3,094,356	$18,673,789	$119,269,825	$98,807,832	$20,461,993	$11,041,008	$63,090,045
2042										
2043										
2044										
2045										
2046										
2047										
2048										
2049										
2050										

2024-2029 Program Blocks

	Alternative Avoided Cost									
	RAP					MAP				
	Residential	**Residential**	**Residential**	**IQW**	**C&I**	**Residential**	**Residential**	**Residential**	**IQW**	**C&I**
	Total Program Costs ($)	Tier 1	Tier 2	Total Program Costs ($)	Total Program Costs ($)	Total Program Costs ($)	Tier 1	Tier 2	Total Program Costs ($)	Total Program Costs ($)
2024	$7,890,233	$6,944,006	$946,227	$940,000	$13,133,235	$21,161,011	$19,294,733	$1,866,279	$1,481,487	$49,047,767
2025	$9,161,819	$7,969,864	$1,191,955	$1,008,244	$12,721,890	$28,491,389	$25,685,118	$2,806,271	$2,106,212	$48,535,990
2026	$10,479,930	$9,010,511	$1,469,419	$1,081,443	$12,355,219	$37,273,835	$33,179,458	$4,094,378	$2,917,511	$48,368,022
2027	$11,817,628	$10,046,573	$1,771,055	$1,159,955	$12,023,457	$47,251,788	$41,506,938	$5,744,851	$3,900,910	$48,376,420
2028	$13,178,588	$11,091,515	$2,087,072	$1,244,168	$11,721,374	$58,005,401	$50,315,267	$7,690,134	$5,001,135	$48,360,068
2029	$14,471,601	$12,064,671	$2,406,930	$1,334,495	$11,307,472	$68,494,981	$58,723,123	$9,771,858	$6,127,682	$47,927,154
2030										
2031										
2032										
2033										
2034										
2035										
2036										
2037										
2038										
2039										
2040										
2041										
2042										
2043										
2044										
2045										
2046										
2047										
2048										
2049										
2050										

2030-2035 Program Blocks

	Alternative Avoided Cost									
	RAP					MAP				
	Residential	Residential	Residential	IQW	C&I	Residential	Residential	Residential	IQW	C&I
	Total Program Costs ($)	Tier 1	Tier 2	Total Program Costs ($)	Total Program Costs ($)	Total Program Costs ($)	Tier 1	Tier 2	Total Program Costs ($)	Total Program Costs ($)
2024										
2025										
2026										
2027										
2028										
2029										
2030	$15,778,239	$13,057,581	$2,720,658	$1,431,379	$12,245,644	$78,205,140	$66,422,629	$11,782,511	$7,180,231	$51,544,572
2031	$17,141,393	$14,122,023	$3,019,370	$1,535,297	$13,173,990	$86,952,946	$73,412,293	$13,540,652	$8,081,391	$54,621,761
2032	$18,307,022	$15,011,159	$3,295,863	$1,646,760	$14,058,857	$94,683,938	$79,735,197	$14,948,740	$8,796,610	$57,082,250
2033	$18,944,632	$15,399,992	$3,544,640	$1,766,314	$14,883,277	$99,355,994	$83,356,644	$15,999,350	$9,337,278	$58,939,912
2034	$19,937,062	$16,174,827	$3,762,235	$1,894,549	$15,632,102	$103,097,824	$86,354,344	$16,743,480	$9,725,010	$60,288,922
2035	$20,734,957	$16,788,231	$3,946,727	$2,032,093	$16,302,651	$105,764,385	$88,511,588	$17,252,797	$9,994,562	$61,151,215
2036										
2037										
2038										
2039										
2040										
2041										
2042										
2043										
2044										
2045										
2046										
2047										
2048										
2049										
2050										

2036-2041 Program Blocks

	Alternative Avoided Cost									
	RAP					MAP				
	Residential	Residential	Residential	IQW	C&I	Residential	Residential	Residential	IQW	C&I
	Total Program Costs ($)	Tier 1	Tier 2	Total Program Costs ($)	Total Program Costs ($)	Total Program Costs ($)	Tier 1	Tier 2	Total Program Costs ($)	Total Program Costs ($)
2024										
2025										
2026										
2027										
2028										
2029										
2030										
2031										
2032										
2033										
2034										
2035										
2036	$21,466,994	$17,367,034	$4,099,960	$2,179,623	$16,887,147	$107,674,443	$90,083,362	$17,591,082	$10,186,678	$61,771,723
2037	$22,068,977	$17,855,306	$4,213,671	$2,337,864	$17,376,241	$108,956,716	$91,145,593	$17,811,124	$10,308,910	$62,216,028
2038	$22,593,983	$18,302,183	$4,291,800	$2,507,592	$17,793,928	$109,812,686	$91,929,714	$17,882,972	$10,379,995	$62,544,201
2039	$25,071,212	$20,716,150	$4,355,062	$2,689,644	$18,149,958	$115,021,027	$97,101,857	$17,919,170	$10,424,861	$62,722,386
2040	$25,621,344	$21,215,871	$4,405,473	$2,884,912	$18,431,551	$116,269,705	$98,325,544	$17,944,161	$10,469,914	$62,904,305
2041	$26,063,107	$21,620,555	$4,442,552	$3,094,356	$18,673,789	$116,920,584	$98,950,912	$17,969,672	$10,583,279	$63,090,045
2042										
2043										
2044										
2045										
2046										
2047										
2048										
2049										
2050										

	Avoided T&D Costs									
	Alt. Avoided Cost									
	RAP					MAP				
	Residential	**Residential**	**Residential**	**IQW**	**C&I**	**Residential**	**Residential**	**Residential**	**IQW**	**C&I**
	Total Program Costs ($)	Tier 1	Tier 2	Total Program Costs ($)	Total Program Costs ($)	Total Program Costs ($)	Tier 1	Tier 2	Total Program Costs ($)	Total Program Costs ($)
2024	$1,451,584	$1,271,567	$180,017	$227,930	$3,071,581	$1,416,518	$1,257,029	$159,489	$250,995	$3,635,751
2025	$1,679,872	$1,451,235	$228,636	$253,748	$2,884,140	$2,305,269	$2,027,396	$277,873	$400,168	$3,476,124
2026	$1,922,771	$1,638,684	$284,087	$281,243	$2,693,712	$3,039,983	$2,630,350	$409,634	$550,244	$3,331,297
2027	$2,176,816	$1,831,942	$344,874	$309,546	$2,497,575	$3,903,579	$3,322,892	$580,687	$723,851	$3,205,014
2028	$2,438,608	$2,029,551	$409,058	$338,663	$2,297,501	$4,856,570	$4,072,239	$784,331	$908,565	$3,093,973
2029	$2,696,578	$2,221,891	$474,687	$368,150	$2,073,643	$5,819,834	$4,815,839	$1,003,995	$1,089,372	$2,971,910
2030										
2031										
2032										
2033										
2034										
2035										
2036										
2037										
2038										
2039										
2040										
2041										
2042										
2043										
2044										
2045										
2046										
2047										
2048										
2049										
2050										

	RAP					MAP				
	Residential	Residential	Residential	IQW	C&I	Residential	Residential	Residential	IQW	C&I
	Total Program Costs ($)	Tier 1	Tier 2	Total Program Costs ($)	Total Program Costs ($)	Total Program Costs ($)	Tier 1	Tier 2	Total Program Costs ($)	Total Program Costs ($)
2024										
2025										
2026										
2027										
2028										
2029										
2030	$2,952,176	$2,412,235	$539,941	$397,684	$2,255,478	$6,795,696	$5,578,422	$1,217,274	$1,301,085	$3,284,700
2031	$3,227,916	$2,624,645	$603,272	$427,105	$2,442,071	$7,686,720	$6,282,372	$1,404,347	$1,459,135	$3,581,946
2032	$3,463,585	$2,800,107	$663,478	$456,454	$2,627,693	$8,438,130	$6,883,356	$1,554,774	$1,593,106	$3,847,419
2033	$3,635,977	$2,916,378	$719,599	$485,584	$2,808,730	$8,972,707	$7,304,110	$1,668,597	$1,705,618	$4,075,605
2034	$3,841,134	$3,070,064	$771,070	$514,253	$2,983,495	$9,450,229	$7,698,801	$1,751,429	$1,797,484	$4,268,679
2035	$4,020,414	$3,203,115	$817,300	$543,738	$3,148,538	$9,838,951	$8,027,726	$1,811,225	$1,872,197	$4,431,979
2036										
2037										
2038										
2039										
2040										
2041										
2042										
2043										
2044										
2045										
2046										
2047										
2048										
2049										
2050										

	RAP					MAP				
	Residential	Residential	Residential	IQW	C&I	Residential	Residential	Residential	IQW	C&I
	Total Program Costs ($)	Tier 1	Tier 2	Total Program Costs ($)	Total Program Costs ($)	Total Program Costs ($)	Tier 1	Tier 2	Total Program Costs ($)	Total Program Costs ($)
2024										
2025										
2026										
2027										
2028										
2029										
2030										
2031										
2032										
2033										
2034										
2035										
2036	$4,188,029	$3,329,189	$858,839	$574,313	$3,300,943	$10,166,384	$8,310,712	$1,855,672	$1,930,011	$4,574,069
2037	$4,334,221	$3,440,633	$893,588	$606,371	$3,440,936	$10,441,369	$8,550,762	$1,890,607	$1,979,791	$4,701,844
2038	$4,463,881	$3,541,535	$922,345	$638,689	$3,569,102	$10,670,603	$8,758,302	$1,912,301	$2,021,926	$4,819,195
2039	$4,849,146	$3,899,792	$949,354	$673,971	$3,687,403	$11,432,579	$9,499,804	$1,932,775	$2,060,469	$4,921,207
2040	$4,979,841	$4,004,708	$975,133	$711,176	$3,794,132	$11,689,032	$9,731,804	$1,957,228	$2,099,726	$5,025,703
2041	$5,097,943	$4,097,917	$1,000,026	$749,065	$3,894,296	$11,919,010	$9,932,706	$1,986,303	$2,143,104	$5,132,638
2042										
2043										
2044										
2045										
2046										
2047										
2048										
2049										
2050										

NIPSCO Financial Assumptions
Source: NIPSCO December 31, 2019 Rate Case Capital Structure

Blended Tax Rate	24.87%
NIPSCO Equity %	57.11%
NIPSCO Debt %	42.89%
NIPSCO ROE	9.90%
NIPSCO Cost of Debt	4.97%
After-Tax WACC	7.26%
Property Tax Rate	2.16%
Inflation	2.10%

Inflation Assumption

Year	Inflation Rate
2010	1.5%
2011	3.0%
2012	1.7%
2013	1.5%
2014	0.8%
2015	0.7%
2016	2.1%
2017	2.1%
2018	1.9%
2019	2.3%
2020	1.50%
2021	1.70%
2022	1.80%
2023	2.00%
2024	2.10%
2025	2.10%
2026	2.10%
2027	2.10%
2028	2.10%
2029	2.10%
2030	2.10%
2031	2.10%
2032	2.10%
2033	2.10%
2034	2.10%
2035	2.10%
2036	2.10%
2037	2.10%
2038	2.10%
2039	2.10%
2040	2.10%
2041	2.10%
2042	2.10%
2043	2.10%
2044	2.10%
2045	2.10%
2046	2.10%
2047	2.10%
2048	2.10%
2049	2.10%
2050	2.10%

Selected Resources through 2040 by Existing Fleet and Replacement Portfolio

Existing Fleet Portfolios
ICAP MW

		1	2	3	4	5	6	7	7H
		Retirement 1	Retirement 2	Retirement 3	Retirement 4	Retirement 5	Retirement 6	Retirement 7	Retirement 7H
New DSM C&I 2024-2029*	2024	100%	100%	100%	100%	100%	100%	100%	100%
New DSM C&I 2030-2035*	2030	100%	100%	100%	100%	100%	100%	100%	100%
New DSM C&I 2036-2041*	2036	100%	100%	100%	100%	100%	100%	100%	100%
New DSM Res Tier 1 2024-2029*	2024	100%	100%	100%	100%	100%	100%	100%	100%
New DSM Res Tier 1 2030-2035*	2030	100%	100%	100%	100%	100%	100%	100%	100%
New DSM Res Tier 1 2036-2041*	2036	100%	100%	100%	100%	100%	100%	100%	100%
New DR Rates*	2030	100%	100%	100%	100%	100%	100%	100%	100%
Sugar Creek Uprate	2027	53	53	53	53	53	53	-	53
NIPSCO-Owned DER	2026	10	10	10	10	10	10	10	10
Wind P1	2026	-	-	-	-	-	200	200	200
Solar P2	2026	-	100	100	200	100	100	250	250
Storage P2	2025	-	-	-	-	-	-	100	100
Storage P2	2026	-	-	-	-	-	-	100	-
Storage P2	2027	-	-	-	-	-	-	100	-
Storage A2	2025	-	-	-	135	135	135	135	135
Storage A2	2027	135	135	135	-	-	-	135	135
Gas Peaking A1	2024	-	-	-	300	-	-	-	-
Gas Peaking A1	2026	-	-	300	-	-	300	-	-
Gas Peaking A1	2028	-	300	-	-	300	-	-	-
Gas Peaking A1	2032	300	-	-	-	-	-	-	-
Other Thermal P1	2024	50	50	50	50	50	50	-	-
Other Thermal P2	2026	100	100	100	100	100	100	-	-
Hydrogen P1	2025	-	-	-	-	-	-	-	193
Hydrogen P2	2026	-	-	-	-	-	-	-	20
Area 315 Generic 4-Hour Storage 2032	2032	-	-	-	-	-	-	600	-
Area 315 Generic 4-Hour Storage 2036	2036	-	-	-	-	-	-	100	-
Area 315 Generic 4-Hour Storage 2037	2037	200	200	200	200	200	200	100	100
Area 315 Generic Solar PPA 2030	2030	-	300	300	200	300	300	400	400
Area 315 Generic Solar PPA 2032	2032	400	-	-	-	-	-	800	-
Area 315 Generic Solar PPA 2035	2035	500	500	500	500	500	500	500	500
Area 315 Generic Solar PPA 2039	2039	200	200	200	200	200	200	200	200
Area 315 Generic Solar PPA 2040	2040	100	100	100	100	100	100	100	100

* The DSM values represent the percentage of the tranche that was selected. Additional DSM savings data over time can be found on tab "DSM Annual Savings.'

Replacement Portfolios
ICAP MW

		A	B	C	D	E	F	G	H	I
New DSM C&I 2024-2029*	2024	100%	100%	100%	100%	100%	100%	100%	100%	100%
New DSM C&I 2030-2035*	2030	100%	100%	100%	100%	100%	100%	100%	100%	100%
New DSM C&I 2036-2041*	2036	100%	100%	100%	100%	100%	100%	100%	100%	100%
New DSM Res Tier 1 2024-2029*	2024	100%	100%	100%	100%	100%	100%	100%	100%	100%
New DSM Res Tier 1 2030-2035*	2030	100%	100%	100%	100%	100%	100%	100%	100%	100%
New DSM Res Tier 1 2036-2041*	2036	100%	100%	100%	100%	100%	100%	100%	100%	100%
New DR Rates*	2030	100%	100%	100%	100%	100%	100%	100%	100%	100%
Sugar Creek Uprate	2027	53	53	53	53	53	53	-	-	53
New DER	2026	10	10	10	10	10	10	10	10	10
Wind P1	2026	-	-	-	-	-	-	-	200	200
Solar P2	2026	250	100	-	400	250	100	450	250	250
Solar+Storage P1	2026	450	-	-	450	-	-	450	-	-
Storage P2	2025	-	-	-	-	-	-	-	100	100
Storage P2	2026	-	-	-	-	100	-	-	100	-
Storage P2	2027	-	-	-	-	100	-	-	100	-
Storage A2	2025	-	-	-	-	135	-	-	135	135
Storage A2	2027	135	-	-	135	135	135	135	135	135
Gas Peaking P1	2026	-	443	-	-	-	-	-	-	-
Gas Peaking A1	2026	-	-	-	-	-	300	-	-	-
Gas CC A1	2026	-	-	650	-	-	-	-	-	-
Other Thermal P1	2024	50	50	-	-	50	50	-	-	-
Other Thermal P2	2026	100	100	-	-	100	100	-	-	-
Hydrogen P1	2025	-	-	-	-	-	-	-	-	193
Hydrogen P2	2026	-	-	-	-	-	-	-	-	20
Area 315 Generic 4-Hour Storage 2032	2032	-	-	-	-	100	-	300	600	-
Area 315 Generic 4-Hour Storage 2034	2034	-	-	-	200	-	-	-	-	-
Area 315 Generic 4-Hour Storage 2036	2036	-	-	100	-	100	-	-	100	-
Area 315 Generic 4-Hour Storage 2037	2037	200	200	-	-	100	200	100	100	100
Area 315 Generic Solar BTA 2030	2030	200	150	-	200	150	150	200	200	200
Area 315 Generic Solar BTA 2032	2032	100	-	-	-	-	-	500	400	-
Area 315 Generic Solar BTA 2033	2033	-	-	-	150	-	-	150	-	-
Area 315 Generic Solar BTA 2034	2034	-	-	200	-	-	-	150	-	-
Area 315 Generic Solar BTA 2035	2035	250	250	-	150	250	250	250	250	250
Area 315 Generic Solar BTA 2039	2039	200	200	200	200	200	200	100	200	200
Area 315 Generic Solar BTA 2040	2040	200	100	100	200	100	100	100	100	100
Area 315 Generic Solar PPA 2030	2030	200	150	-	200	150	150	200	200	200
Area 315 Generic Solar PPA 2032	2032	-	-	-	-	-	-	500	400	-
Area 315 Generic Solar PPA 2033	2033	-	-	-	150	-	-	150	-	-
Area 315 Generic Solar PPA 2034	2034	-	-	-	-	-	-	150	-	-
Area 315 Generic Solar PPA 2035	2035	250	250	-	-	250	250	250	250	250

* The DSM values represent the percentage of the tranche that was selected. Additional DSM savings data over time can be found on tab "DSM Annual Savings.'

ICAP Capacity Mix (MW) by Portfolio - Existing Fleet

	2027								2040							
	1	2	3	4	5	6	7	7H	1	2	3	4	5	6	7	7H
Coal	420	420	-	-	420	-	420	420	-	-	-	-	-	-	-	-
Gas	777	777	1,077	1,077	622	922	569	799	922	922	922	922	922	922	-	54
DR/DSM	167	167	167	167	167	167	167	167	221	221	221	221	221	221	221	221
Hydro	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
DER	65	65	65	65	65	65	65	65	161	161	161	161	161	161	161	161
Solar	2,330	2,430	2,430	2,530	2,430	2,430	2,580	2,580	3,530	3,530	3,530	3,530	3,530	3,530	4,580	3,780
Storage	300	300	300	300	300	300	735	535	500	500	500	500	500	500	1,535	635
Wind	1,005	1,005	1,005	1,005	1,005	1,205	1,205	1,205	805	805	805	805	805	1,005	1,005	1,005
FIT	39	39	39	39	39	39	39	39	25	25	25	25	25	25	25	25
H2-Enabled Capacity	-	-	-	-	-	-	-	16	-	-	-	-	-	-	-	761
Other Thermal	150	150	150	150	150	150	-	-	-	-	-	-	-	-	-	-

Notes:
(1) DER, solar, and storage summer ELCC represents Reference Case assumptions
(2) "H2-Enabled Capacity" includes capacity capable of generating hydrogen-fired electricity, including the hydrogen-capable portion of the Hydrogen P1 gas peaker and hydrogen-capable portion of Sugar Creek associated with Hydrogen P2.

ICAP Capacity Mix (MW) by Portfolio - Replacements

	2027									2040								
	A	B	C	D	E	F	G	H	I	A	B	C	D	E	F	G	H	I
Gas	777	1,220	1,427	777	777	1,077	724	724	954	622	1,065	1,272	622	622	922	-	-	54
DR/DSM	167	167	167	167	167	167	167	167	167	221	221	221	221	221	221	221	221	221
Hydro	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
DER	65	65	65	65	65	65	65	65	65	161	161	161	161	161	161	161	161	161
Solar	2,580	2,430	2,330	2,730	2,580	2,430	2,780	2,580	2,580	3,980	3,530	2,830	3,980	3,680	3,530	5,480	4,580	3,780
Storage	300	165	165	300	635	300	300	735	535	500	365	265	500	935	500	700	1,535	635
Wind	1,005	1,005	1,005	1,005	1,005	1,005	1,005	1,205	1,205	805	805	805	805	805	805	805	1,005	1,005
FIT	39	39	39	39	39	39	39	39	39	25	25	25	25	25	25	25	25	25
Solar + Storage	450	-	-	450	-	-	450	-	-	450	-	-	450	-	-	450	-	-
H2-Enabled Capacity	-	-	-	-	-	-	-	-	16	-	-	-	-	-	-	-	-	761
Other Thermal	150	150	-	-	150	150	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
(1) DER, solar, and storage summer ELCC represents Reference Case assumptions
(2) "H2-Enabled Capacity" includes capacity capable of generating hydrogen-fired electricity, including the hydrogen-capable portion of the Hydrogen P1 gas peaker and hydrogen-capable portion of Sugar Creek associated wit
Hydrogen P2.

UCAP Capacity Mix (MW) by Portfolio - Existing Fleet

	Winter UCAP															
	2027								2040							
	1	2	3	4	5	6	7	7H	1	2	3	4	5	6	7	7H
Coal	342	342	-	-	342	-	342	342	-	-	-	-	-	-	-	-
Gas	735	735	1,026	1,026	604	895	552	765	895	895	895	895	895	895	-	54
DR/DSM	102	102	102	102	102	102	102	102	90	90	90	90	90	90	90	90
Hydro	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
DER	10	10	10	10	10	10	10	10	24	24	24	24	24	24	24	24
Solar	154	160	160	167	160	160	170	170	233	233	233	233	233	233	302	249
Storage	196	196	196	195	195	195	560	392	317	317	317	317	317	317	1,042	412
Wind	251	251	251	251	251	301	301	301	201	201	201	201	201	251	251	251
FIT	39	39	39	39	39	39	39	39	25	25	25	25	25	25	25	25
H2-Enabled Capacit	-	-	-	-	-	-	-	15	-	-	-	-	-	-	-	727
Other Thermal	146	146	146	146	146	146	-	-	-	-	-	-	-	-	-	-

	Summer UCAP															
	2027								2040							
	1	2	3	4	5	6	7	7H	1	2	3	4	5	6	7	7H
Coal	342	342	-	-	342	-	342	342	-	-	-	-	-	-	-	-
Gas	702	702	993	993	571	862	519	694	862	862	862	862	862	862	-	35
DR/DSM	167	167	167	167	167	167	167	167	221	221	221	221	221	221	221	221
Hydro	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
DER	34	34	34	34	34	34	34	34	72	72	72	72	72	72	72	72
Solar	971	1,013	1,013	1,054	1,013	1,013	1,075	1,075	883	883	883	883	883	883	1,145	945
Storage	252	252	252	252	252	252	616	449	373	373	373	373	373	373	1,098	468
Wind	164	164	164	164	164	196	196	196	131	131	131	131	131	164	164	164
FIT	39	39	39	39	39	39	39	39	25	25	25	25	25	25	25	25
H2-Enabled Capacit	-	-	-	-	-	-	-	13	-	-	-	-	-	-	-	702
Other Thermal	146	146	146	146	146	146	-	-	-	-	-	-	-	-	-	-

Notes:
(1) DER, solar, and storage summer ELCC represents Reference Case assumptions
(2) "H2-Enabled Capacity" includes capacity capable of generating hydrogen-fired electricity, including the hydrogen-capable portion of the Hydrogen P1 gas peaker and hydrogen-capable portion of Sugar Creek associated with Hydrogen P2.

UCAP Capacity Mix (MW) by Portfolio - Replacements

	Winter UCAP																	
	2027									2040								
	A	B	C	D	E	F	G	H	I	A	B	C	D	E	F	G	H	I
Gas	735	1,165	1,366	735	735	1,026	684	684	897	604	1,033	1,234	604	604	895	-	-	54
DR/DSM	102	102	102	102	102	102	102	102	102	90	90	90	90	90	90	90	90	90
Hydro	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
DER	10	10	10	10	10	10	10	10	10	24	24	24	24	24	24	24	24	24
Solar	170	160	154	180	170	160	183	170	170	263	233	187	263	243	233	362	302	249
Storage	196	83	83	196	476	196	196	560	392	317	223	153	317	622	317	457	1,042	412
Wind	251	251	251	251	251	251	251	301	301	201	201	201	201	201	201	201	251	251
FIT	39	39	39	39	39	39	39	39	39	25	25	25	25	25	25	25	25	25
Solar + Storage	145	-	-	145	-	-	145	-	-	125	-	-	125	-	-	125	-	-
H2-Enabled Capacity	-	-	-	-	-	-	-	-	15	-	-	-	-	-	-	-	-	727
Other Thermal	146	146	-	-	146	146	-	-	-	-	-	-	-	-	-	-	-	-

	Summer UCAP																	
	2027									2040								
	A	B	C	D	E	F	G	H	I	A	B	C	D	E	F	G	H	I
Gas	702	1,132	1,333	702	702	993	651	651	826	571	1,000	1,201	571	571	862	-	-	35
DR/DSM	167	167	167	167	167	167	167	167	167	221	221	221	221	221	221	221	221	221
Hydro	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
DER	34	34	34	34	34	34	34	34	34	72	72	72	72	72	72	72	72	72
Solar	1,075	1,013	971	1,138	1,075	1,013	1,158	1,075	1,075	995	883	708	995	920	883	1,370	1,145	945
Storage	252	139	139	252	532	252	252	616	449	373	279	209	373	678	373	513	1,098	468
Wind	164	164	164	164	164	164	164	196	196	131	131	131	131	131	131	131	164	164
FIT	39	39	39	39	39	39	39	39	39	25	25	25	25	25	25	25	25	25
Solar + Storage	251	-	-	251	-	-	251	-	-	180	-	-	180	-	-	180	-	-
H2-Enabled Capacity	-	-	-	-	-	-	-	-	13	-	-	-	-	-	-	-	-	702
Other Thermal	146	146	-	-	146	146	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
(1) DER, solar, and storage summer ELCC represents Reference Case assumptions
(2) "H2-Enabled Capacity" includes capacity capable of generating hydrogen-fired electricity, including the hydrogen-capable portion of the Hydrogen P1 gas peaker and hydrogen-capable portion of Sugar Creek associated with Hydrogen P2.

Generation Mix (GWh) by Existing Fleet Portfolio

Reference Case

NIPSCO Retirement 1

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,411	3,166	50	-	-	1,949	16	-	139	141	-	-
2022	6,134	2,896	50	58	(0)	2,844	27	-	266	147	-	-
2023	4,299	3,063	50	2,746	(5)	2,910	41	-	395	147	-	-
2024	2,921	2,983	50	5,129	(20)	3,357	59	-	498	148	43	-
2025	2,623	2,905	50	5,091	(21)	3,270	74	-	587	147	43	-
2026	2,397	2,938	50	5,065	(24)	3,270	83	6	671	147	27	-
2027	2,325	3,383	50	5,039	(57)	3,270	92	6	753	147	21	-
2028	2,260	2,778	50	5,026	(60)	3,280	101	5	822	147	23	-
2029	2,272	3,293	50	4,988	(63)	3,270	114	5	877	41	27	-
2030	2,272	3,121	50	4,967	(65)	3,270	141	5	939	40	25	-
2031	2,257	3,064	50	4,942	(67)	3,270	154	5	1,000	40	22	-
2032	963	3,098	50	5,444	(67)	3,280	171	5	1,062	40	18	-
2033	-	3,072	50	5,728	(69)	3,270	178	5	1,114	40	18	-
2034	-	3,092	50	5,698	(69)	3,270	186	5	1,160	40	20	-
2035	-	3,064	50	6,309	(69)	3,270	195	5	1,190	40	23	-
2036	-	2,657	50	6,691	(70)	3,280	202	5	1,177	40	24	-
2037	-	3,156	50	6,639	(103)	3,270	210	5	1,087	39	24	-
2038	-	3,301	50	6,611	(130)	3,204	215	5	993	39	26	-
2039	-	3,492	50	6,824	(130)	2,590	216	5	963	39	28	-
2040	-	3,536	50	7,084	(130)	2,598	219	5	953	39	29	-

NIPSCO Retirement 2

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,411	3,166	50	-	-	1,949	16	-	139	141	-	-
2022	6,134	2,896	50	58	(0)	2,844	27	-	266	147	-	-
2023	4,299	3,063	50	2,746	(5)	2,910	41	-	395	147	-	-
2024	2,921	2,983	50	5,129	(20)	3,357	59	-	498	148	43	-
2025	2,623	2,905	50	5,091	(21)	3,270	74	-	587	147	43	-
2026	2,397	2,938	50	5,282	(24)	3,270	83	6	671	147	27	-
2027	2,325	3,383	50	5,255	(57)	3,270	92	6	753	147	21	-
2028	971	2,827	50	5,241	(60)	3,280	101	5	822	147	23	-
2029	-	3,390	50	5,202	(63)	3,270	114	5	877	41	27	-
2030	-	3,215	50	5,571	(65)	3,270	141	5	939	40	25	-
2031	-	3,148	50	5,788	(67)	3,270	154	5	1,000	40	22	-
2032	-	3,126	50	5,772	(67)	3,280	171	5	1,062	40	18	-
2033	-	3,072	50	5,728	(69)	3,270	178	5	1,114	40	18	-
2034	-	3,092	50	5,698	(69)	3,270	186	5	1,160	40	20	-
2035	-	3,064	50	6,309	(69)	3,270	195	5	1,190	40	23	-
2036	-	2,657	50	6,691	(70)	3,280	202	5	1,177	40	24	-
2037	-	3,156	50	6,639	(103)	3,270	210	5	1,087	39	24	-
2038	-	3,301	50	6,611	(130)	3,204	215	5	993	39	26	-
2039	-	3,492	50	6,824	(130)	2,590	216	5	963	39	28	-
2040	-	3,536	50	7,084	(130)	2,598	219	5	953	39	29	-

NIPSCO Retirement 3

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,411	3,166	50	-	-	1,949	16	-	139	141	-	-
2022	6,134	2,896	50	58	(0)	2,844	27	-	266	147	-	-
2023	4,299	3,063	50	2,746	(5)	2,910	41	-	395	147	-	-
2024	2,921	2,983	50	5,129	(20)	3,357	59	-	498	148	43	-
2025	2,623	2,905	50	5,091	(21)	3,270	74	-	587	147	43	-
2026	1,032	2,989	50	5,282	(24)	3,270	83	6	671	147	27	-
2027	-	3,452	50	5,255	(57)	3,270	92	6	753	147	21	-
2028	-	2,850	50	5,241	(60)	3,280	101	5	822	147	23	-
2029	-	3,390	50	5,202	(63)	3,270	114	5	877	41	27	-
2030	-	3,215	50	5,571	(65)	3,270	141	5	939	40	25	-
2031	-	3,148	50	5,788	(67)	3,270	154	5	1,000	40	22	-
2032	-	3,126	50	5,772	(67)	3,280	171	5	1,062	40	18	-
2033	-	3,072	50	5,728	(69)	3,270	178	5	1,114	40	18	-
2034	-	3,092	50	5,698	(69)	3,270	186	5	1,160	40	20	-
2035	-	3,064	50	6,309	(69)	3,270	195	5	1,190	40	23	-
2036	-	2,657	50	6,691	(70)	3,280	202	5	1,177	40	24	-
2037	-	3,156	50	6,639	(103)	3,270	210	5	1,087	39	24	-
2038	-	3,301	50	6,611	(130)	3,204	215	5	993	39	26	-
2039	-	3,492	50	6,824	(130)	2,590	216	5	963	39	28	-
2040	-	3,536	50	7,084	(130)	2,598	219	5	953	39	29	-

NIPSCO Retirement 4

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,411	3,166	50	-	-	1,949	16	-	139	141	-	-
2022	6,134	2,896	50	58	(0)	2,844	27	-	266	147	-	-
2023	4,299	3,063	50	2,746	(5)	2,910	41	-	395	147	-	-
2024	1,202	3,047	50	5,129	(20)	3,357	59	-	498	148	43	-
2025	-	2,988	50	5,091	(52)	3,270	74	-	587	147	43	-
2026	-	3,019	50	5,499	(55)	3,270	83	6	671	147	27	-
2027	-	3,452	50	5,471	(57)	3,270	92	6	753	147	21	-
2028	-	2,850	50	5,456	(60)	3,280	101	5	822	147	23	-
2029	-	3,390	50	5,415	(63)	3,270	114	5	877	41	27	-
2030	-	3,215	50	5,653	(65)	3,270	141	5	939	40	25	-
2031	-	3,148	50	5,788	(67)	3,270	154	5	1,000	40	22	-
2032	-	3,126	50	5,772	(67)	3,280	171	5	1,062	40	18	-
2033	-	3,072	50	5,728	(69)	3,270	178	5	1,114	40	18	-
2034	-	3,092	50	5,698	(69)	3,270	186	5	1,160	40	20	-
2035	-	3,064	50	6,309	(69)	3,270	195	5	1,190	40	23	-
2036	-	2,657	50	6,691	(70)	3,280	202	5	1,177	40	24	-
2037	-	3,156	50	6,639	(103)	3,270	210	5	1,087	39	24	-
2038	-	3,301	50	6,611	(130)	3,204	215	5	993	39	26	-
2039	-	3,492	50	6,824	(130)	2,590	216	5	963	39	28	-
2040	-	3,536	50	7,084	(130)	2,598	219	5	953	39	29	-

NIPSCO Retirement 5

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,411	3,166	50	-	-	1,949	16	-	139	141	-	-
2022	6,134	2,896	50	58	(0)	2,844	27	-	266	147	-	-
2023	4,299	3,063	50	2,746	(5)	2,910	41	-	395	147	-	-
2024	2,921	2,983	50	5,129	(20)	3,357	59	-	498	148	43	-
2025	2,623	2,905	50	5,091	(52)	3,270	74	-	587	147	43	-
2026	2,397	2,935	50	5,282	(55)	3,270	83	6	671	147	27	-
2027	2,325	3,381	50	5,255	(57)	3,270	92	6	753	147	21	-
2028	971	2,826	50	5,241	(60)	3,280	101	5	822	147	23	-
2029	-	3,390	50	5,202	(63)	3,270	114	5	877	41	27	-
2030	-	3,215	50	5,571	(65)	3,270	141	5	939	40	25	-
2031	-	3,148	50	5,788	(67)	3,270	154	5	1,000	40	22	-
2032	-	3,126	50	5,772	(67)	3,280	171	5	1,062	40	18	-
2033	-	3,072	50	5,728	(69)	3,270	178	5	1,114	40	18	-
2034	-	3,092	50	5,698	(69)	3,270	186	5	1,160	40	20	-
2035	-	3,064	50	6,309	(69)	3,270	195	5	1,190	40	23	-
2036	-	2,657	50	6,691	(70)	3,280	202	5	1,177	40	24	-
2037	-	3,156	50	6,639	(103)	3,270	210	5	1,087	39	24	-
2038	-	3,301	50	6,611	(130)	3,204	215	5	993	39	26	-
2039	-	3,492	50	6,824	(130)	2,590	216	5	963	39	28	-
2040	-	3,536	50	7,084	(130)	2,598	219	5	953	39	29	-

NIPSCO Retirement 6

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,411	3,166	50	-	-	1,949	16	-	139	141	-	-
2022	6,134	2,896	50	58	(0)	2,844	27	-	266	147	-	-
2023	4,299	3,063	50	2,746	(5)	2,910	41	-	395	147	-	-
2024	2,921	2,983	50	5,129	(20)	3,357	59	-	498	148	43	-
2025	2,623	2,905	50	5,091	(52)	3,270	74	-	587	147	43	-
2026	1,032	2,986	50	5,282	(55)	3,894	83	6	671	147	27	-
2027	-	3,450	50	5,255	(57)	3,894	92	6	753	147	21	-
2028	-	2,850	50	5,241	(60)	3,906	101	5	822	147	23	-
2029	-	3,390	50	5,202	(63)	3,894	114	5	877	41	27	-
2030	-	3,215	50	5,571	(65)	3,894	141	5	939	40	25	-
2031	-	3,148	50	5,788	(67)	3,894	154	5	1,000	40	22	-
2032	-	3,126	50	5,772	(67)	3,906	171	5	1,062	40	18	-
2033	-	3,072	50	5,728	(69)	3,894	178	5	1,114	40	18	-
2034	-	3,092	50	5,698	(69)	3,894	186	5	1,160	40	20	-
2035	-	3,064	50	6,309	(69)	3,894	195	5	1,190	40	23	-
2036	-	2,657	50	6,691	(70)	3,906	202	5	1,177	40	24	-
2037	-	3,156	50	6,639	(103)	3,894	210	5	1,087	39	24	-
2038	-	3,301	50	6,611	(130)	3,828	215	5	993	39	26	-
2039	-	3,492	50	6,824	(130)	3,214	216	5	963	39	28	-
2040	-	3,536	50	7,084	(130)	3,224	219	5	953	39	29	-

NIPSCO Retirement 7

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,411	3,166	50	-	-	1,949	16	-	139	141	-	-
2022	6,134	2,896	50	58	(0)	2,844	27	-	266	147	-	-
2023	4,299	3,063	50	2,746	(5)	2,910	41	-	395	147	-	-
2024	2,921	2,983	50	5,129	(20)	3,357	59	-	498	148	-	-
2025	2,623	2,905	50	5,091	(74)	3,270	74	-	587	147	-	-
2026	2,397	2,935	50	5,607	(101)	3,894	83	6	671	147	-	-
2027	2,325	2,975	50	5,579	(162)	3,894	92	6	753	147	-	-
2028	971	2,419	50	5,564	(167)	3,906	101	5	822	147	-	-
2029	-	2,867	50	5,522	(174)	3,894	114	5	877	41	-	-
2030	-	2,728	50	6,020	(180)	3,894	141	5	939	40	-	-
2031	-	2,666	50	6,317	(186)	3,894	154	5	1,000	40	-	-
2032	-	1,050	50	7,331	(282)	3,906	171	5	1,062	40	-	-
2033	-	-	50	7,926	(362)	3,894	178	5	1,114	40	-	-
2034	-	-	50	7,885	(363)	3,894	186	5	1,160	40	-	-
2035	-	-	50	8,487	(360)	3,894	195	5	1,190	40	-	-
2036	-	-	50	8,861	(382)	3,906	202	5	1,177	40	-	-
2037	-	-	50	8,794	(416)	3,894	210	5	1,087	39	-	-
2038	-	-	50	8,756	(433)	3,828	215	5	993	39	-	-
2039	-	-	50	8,958	(434)	3,214	216	5	963	39	-	-
2040	-	-	50	9,210	(434)	3,224	219	5	953	39	-	-

NIPSCO Retirement 7H

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,411	3,166	50	-	-	1,949	16	-	139	141	-	-
2022	6,134	2,896	50	58	(0)	2,844	27	-	266	147	-	-
2023	4,299	3,063	50	2,746	(5)	2,910	41	-	395	147	-	-
2024	2,921	2,983	50	5,129	(20)	3,357	59	-	498	148	-	-
2025	2,623	3,023	50	5,091	(74)	3,270	74	-	587	147	-	-
2026	2,397	139	50	5,607	(78)	3,894	83	6	671	147	-	-
2027	2,325	3,451	50	5,579	(114)	3,894	92	6	753	147	-	55
2028	971	2,856	50	5,564	(118)	3,906	101	5	822	147	-	46
2029	-	3,387	50	5,522	(123)	3,894	114	5	877	41	-	55
2030	-	3,210	50	6,020	(127)	3,894	141	5	939	40	-	52
2031	-	3,142	50	6,317	(131)	3,894	154	5	1,000	40	-	55
2032	-	3,118	50	6,299	(132)	3,906	171	5	1,062	40	-	55
2033	-	3,069	50	6,251	(135)	3,894	178	5	1,114	40	-	55
2034	-	3,092	50	6,218	(136)	3,894	186	5	1,160	40	-	52
2035	-	3,058	50	6,828	(135)	3,894	195	5	1,190	40	-	55
2036	-	2,660	50	7,208	(137)	3,906	202	5	1,177	40	-	46
2037	-	3,155	50	7,152	(155)	3,894	210	5	1,087	39	-	55
2038	-	3,310	50	7,122	(170)	3,828	215	5	993	39	-	52
2039	-	3,500	50	7,332	(170)	3,214	216	5	963	39	-	55
2040	-	3,541	50	7,590	(170)	3,224	219	5	953	39	-	55

Aggressive Environmental Regulation

NIPSCO Retirement 1

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,426	3,163	50	-	-	1,949	22	-	139	141	-	-
2022	6,593	2,408	50	58	(0)	2,844	47	-	266	147	-	-
2023	4,397	2,251	50	2,746	(5)	2,910	69	-	395	147	-	-
2024	2,733	2,458	50	5,129	(20)	3,357	92	-	498	148	24	-
2025	2,384	1,917	50	5,091	(21)	3,270	118	-	587	147	11	-
2026	2,608	1,647	50	5,065	(23)	3,270	151	6	671	147	9	-
2027	2,526	1,950	50	5,039	(54)	3,270	190	6	753	147	5	-
2028	2,271	1,569	50	5,022	(58)	3,280	202	5	822	147	2	-
2029	2,107	1,804	50	4,953	(64)	3,270	221	5	877	41	4	-
2030	2,012	1,757	50	4,900	(64)	3,270	255	5	939	40	4	-
2031	1,977	2,093	50	4,860	(68)	3,270	281	5	1,000	40	5	-
2032	813	2,386	50	5,314	(69)	3,280	304	5	1,062	40	6	-
2033	-	2,487	50	5,586	(68)	3,270	324	5	1,114	40	4	-
2034	-	2,358	50	5,525	(67)	3,270	345	5	1,160	40	3	-
2035	-	2,104	50	6,103	(67)	3,270	357	5	1,190	40	7	-
2036	-	1,626	50	6,424	(67)	3,280	384	5	1,177	40	5	-
2037	-	1,962	50	6,348	(97)	3,270	401	5	1,087	39	4	-
2038	-	1,822	50	6,296	(118)	3,204	408	5	993	39	2	-
2039	-	1,783	50	6,517	(118)	2,590	421	5	963	39	4	-
2040	-	1,694	50	6,835	(116)	2,598	435	5	953	39	1	-

NIPSCO Retirement 2

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,426	3,163	50	-	-	1,949	22	-	139	141	-	-
2022	6,593	2,408	50	58	(0)	2,844	47	-	266	147	-	-
2023	4,397	2,251	50	2,746	(5)	2,910	69	-	395	147	-	-
2024	2,733	2,458	50	5,129	(20)	3,357	92	-	498	148	24	-
2025	2,384	1,917	50	5,091	(21)	3,270	118	-	587	147	11	-
2026	2,608	1,647	50	5,282	(23)	3,270	151	6	671	147	9	-
2027	2,526	1,950	50	5,255	(54)	3,270	190	6	753	147	5	-
2028	993	1,574	50	5,237	(58)	3,280	202	5	822	147	2	-
2029	-	1,832	50	5,167	(64)	3,270	221	5	877	41	4	-
2030	-	1,786	50	5,503	(64)	3,270	255	5	939	40	4	-
2031	-	2,132	50	5,706	(68)	3,270	281	5	1,000	40	5	-
2032	-	2,411	50	5,642	(69)	3,280	304	5	1,062	40	6	-
2033	-	2,487	50	5,586	(68)	3,270	324	5	1,114	40	4	-
2034	-	2,358	50	5,525	(67)	3,270	345	5	1,160	40	3	-
2035	-	2,104	50	6,103	(67)	3,270	357	5	1,190	40	7	-
2036	-	1,626	50	6,424	(67)	3,280	384	5	1,177	40	5	-
2037	-	1,962	50	6,348	(97)	3,270	401	5	1,087	39	4	-
2038	-	1,822	50	6,296	(118)	3,204	408	5	993	39	2	-
2039	-	1,783	50	6,517	(118)	2,590	421	5	963	39	4	-
2040	-	1,694	50	6,835	(116)	2,598	435	5	953	39	1	-

NIPSCO Retirement 3

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,426	3,163	50	-	-	1,949	22	-	139	141	-	-
2022	6,593	2,408	50	58	(0)	2,844	47	-	266	147	-	-
2023	4,397	2,251	50	2,746	(5)	2,910	69	-	395	147	-	-
2024	2,733	2,458	50	5,129	(20)	3,357	92	-	498	148	24	-
2025	2,384	1,917	50	5,091	(21)	3,270	118	-	587	147	11	-
2026	1,134	1,654	50	5,282	(23)	3,270	151	6	671	147	9	-
2027	-	1,965	50	5,255	(54)	3,270	190	6	753	147	5	-
2028	-	1,580	50	5,237	(58)	3,280	202	5	822	147	2	-
2029	-	1,832	50	5,167	(64)	3,270	221	5	877	41	4	-
2030	-	1,786	50	5,503	(64)	3,270	255	5	939	40	4	-
2031	-	2,132	50	5,706	(68)	3,270	281	5	1,000	40	5	-
2032	-	2,411	50	5,642	(69)	3,280	304	5	1,062	40	6	-
2033	-	2,487	50	5,586	(68)	3,270	324	5	1,114	40	4	-
2034	-	2,358	50	5,525	(67)	3,270	345	5	1,160	40	3	-
2035	-	2,104	50	6,103	(67)	3,270	357	5	1,190	40	7	-
2036	-	1,626	50	6,424	(67)	3,280	384	5	1,177	40	5	-
2037	-	1,962	50	6,348	(97)	3,270	401	5	1,087	39	4	-
2038	-	1,822	50	6,296	(118)	3,204	408	5	993	39	2	-
2039	-	1,783	50	6,517	(118)	2,590	421	5	963	39	4	-
2040	-	1,694	50	6,835	(116)	2,598	435	5	953	39	1	-

NIPSCO Retirement 4

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,426	3,163	50	-	-	1,949	22	-	139	141	-	-
2022	6,593	2,408	50	58	(0)	2,844	47	-	266	147	-	-
2023	4,397	2,251	50	2,746	(5)	2,910	69	-	395	147	-	-
2024	1,129	2,485	50	5,129	(20)	3,357	92	-	498	148	24	-
2025	-	1,946	50	5,091	(48)	3,270	118	-	587	147	11	-
2026	-	1,671	50	5,499	(53)	3,270	151	6	671	147	9	-
2027	-	1,965	50	5,471	(54)	3,270	190	6	753	147	5	-
2028	-	1,580	50	5,452	(58)	3,280	202	5	822	147	2	-
2029	-	1,832	50	5,380	(64)	3,270	221	5	877	41	4	-
2030	-	1,786	50	5,586	(64)	3,270	255	5	939	40	4	-
2031	-	2,132	50	5,706	(68)	3,270	281	5	1,000	40	5	-
2032	-	2,411	50	5,642	(69)	3,280	304	5	1,062	40	6	-
2033	-	2,487	50	5,586	(68)	3,270	324	5	1,114	40	4	-
2034	-	2,358	50	5,525	(67)	3,270	345	5	1,160	40	3	-
2035	-	2,104	50	6,103	(67)	3,270	357	5	1,190	40	7	-
2036	-	1,626	50	6,424	(67)	3,280	384	5	1,177	40	5	-
2037	-	1,962	50	6,348	(97)	3,270	401	5	1,087	39	4	-
2038	-	1,822	50	6,296	(118)	3,204	408	5	993	39	2	-
2039	-	1,783	50	6,517	(118)	2,590	421	5	963	39	4	-
2040	-	1,694	50	6,835	(116)	2,598	435	5	953	39	1	-

NIPSCO Retirement 5

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,426	3,163	50	-	-	1,949	22	-	139	141	-	-
2022	6,593	2,408	50	58	(0)	2,844	47	-	266	147	-	-
2023	4,397	2,251	50	2,746	(5)	2,910	69	-	395	147	-	-
2024	2,733	2,458	50	5,129	(20)	3,357	92	-	498	148	24	-
2025	2,384	1,917	50	5,091	(48)	3,270	118	-	587	147	11	-
2026	2,608	1,644	50	5,282	(53)	3,270	151	6	671	147	9	-
2027	2,526	1,948	50	5,255	(54)	3,270	190	6	753	147	5	-
2028	993	1,574	50	5,237	(58)	3,280	202	5	822	147	2	-
2029	-	1,832	50	5,167	(64)	3,270	221	5	877	41	4	-
2030	-	1,786	50	5,503	(64)	3,270	255	5	939	40	4	-
2031	-	2,132	50	5,706	(68)	3,270	281	5	1,000	40	5	-
2032	-	2,411	50	5,642	(69)	3,280	304	5	1,062	40	6	-
2033	-	2,487	50	5,586	(68)	3,270	324	5	1,114	40	4	-
2034	-	2,358	50	5,525	(67)	3,270	345	5	1,160	40	3	-
2035	-	2,104	50	6,103	(67)	3,270	357	5	1,190	40	7	-
2036	-	1,626	50	6,424	(67)	3,280	384	5	1,177	40	5	-
2037	-	1,962	50	6,348	(97)	3,270	401	5	1,087	39	4	-
2038	-	1,822	50	6,296	(118)	3,204	408	5	993	39	2	-
2039	-	1,783	50	6,517	(118)	2,590	421	5	963	39	4	-
2040	-	1,694	50	6,835	(116)	2,598	435	5	953	39	1	-

NIPSCO Retirement 6

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,426	3,163	50	-	-	1,949	22	-	139	141	-	-
2022	6,593	2,408	50	58	(0)	2,844	47	-	266	147	-	-
2023	4,397	2,251	50	2,746	(5)	2,910	69	-	395	147	-	-
2024	2,733	2,458	50	5,129	(20)	3,357	92	-	498	148	24	-
2025	2,384	1,917	50	5,091	(48)	3,270	118	-	587	147	11	-
2026	1,134	1,652	50	5,282	(53)	3,894	151	6	671	147	9	-
2027	-	1,964	50	5,255	(54)	3,894	190	6	753	147	5	-
2028	-	1,580	50	5,237	(58)	3,906	202	5	822	147	2	-
2029	-	1,832	50	5,167	(64)	3,894	221	5	877	41	4	-
2030	-	1,786	50	5,503	(64)	3,894	255	5	939	40	4	-
2031	-	2,132	50	5,706	(68)	3,894	281	5	1,000	40	5	-
2032	-	2,411	50	5,642	(69)	3,906	304	5	1,062	40	6	-
2033	-	2,487	50	5,586	(68)	3,894	324	5	1,114	40	4	-
2034	-	2,358	50	5,525	(67)	3,894	345	5	1,160	40	3	-
2035	-	2,104	50	6,103	(67)	3,894	357	5	1,190	40	7	-
2036	-	1,626	50	6,424	(67)	3,906	384	5	1,177	40	5	-
2037	-	1,962	50	6,348	(97)	3,894	401	5	1,087	39	4	-
2038	-	1,822	50	6,296	(118)	3,828	408	5	993	39	2	-
2039	-	1,783	50	6,517	(118)	3,214	421	5	963	39	4	-
2040	-	1,694	50	6,835	(116)	3,224	435	5	953	39	1	-

NIPSCO Retirement 7

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,426	3,163	50	-	-	1,949	22	-	139	141	-	-
2022	6,593	2,408	50	58	(0)	2,844	47	-	266	147	-	-
2023	4,397	2,251	50	2,746	(5)	2,910	69	-	395	147	-	-
2024	2,733	2,458	50	5,129	(20)	3,357	92	-	498	148	-	-
2025	2,384	1,917	50	5,091	(68)	3,270	118	-	587	147	-	-
2026	2,608	1,644	50	5,607	(96)	3,894	151	6	671	147	-	-
2027	2,526	1,507	50	5,579	(150)	3,894	190	6	753	147	-	-
2028	993	1,198	50	5,560	(158)	3,906	202	5	822	147	-	-
2029	-	1,471	50	5,487	(172)	3,894	221	5	877	41	-	-
2030	-	1,473	50	5,953	(173)	3,894	255	5	939	40	-	-
2031	-	1,764	50	6,235	(185)	3,894	281	5	1,000	40	-	-
2032	-	657	50	7,201	(284)	3,906	304	5	1,062	40	-	-
2033	-	-	50	7,784	(347)	3,894	324	5	1,114	40	-	-
2034	-	-	50	7,712	(339)	3,894	345	5	1,160	40	-	-
2035	-	-	50	8,281	(338)	3,894	357	5	1,190	40	-	-
2036	-	-	50	8,594	(349)	3,906	384	5	1,177	40	-	-
2037	-	-	50	8,502	(374)	3,894	401	5	1,087	39	-	-
2038	-	-	50	8,441	(385)	3,828	408	5	993	39	-	-
2039	-	-	50	8,651	(386)	3,214	421	5	963	39	-	-
2040	-	-	50	8,962	(379)	3,224	435	5	953	39	-	-

NIPSCO Retirement 7H

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,426	3,163	50	-	-	1,949	22	-	139	141	-	-
2022	6,593	2,408	50	58	(0)	2,844	47	-	266	147	-	-
2023	4,397	2,251	50	2,746	(5)	2,910	69	-	395	147	-	-
2024	2,733	2,458	50	5,129	(20)	3,357	92	-	498	148	-	0
2025	2,384	1,961	50	5,091	(68)	3,270	118	-	587	147	-	79
2026	2,608	42	50	5,607	(75)	3,894	151	6	671	147	-	79
2027	2,526	1,956	50	5,579	(106)	3,894	190	6	753	147	-	134
2028	993	1,576	50	5,560	(112)	3,906	202	5	822	147	-	125
2029	-	1,825	50	5,487	(122)	3,894	221	5	877	41	-	134
2030	-	1,778	50	5,953	(123)	3,894	255	5	939	40	-	131
2031	-	2,124	50	6,235	(131)	3,894	281	5	1,000	40	-	134
2032	-	2,409	50	6,169	(134)	3,906	304	5	1,062	40	-	134
2033	-	2,427	50	6,109	(131)	3,894	324	5	1,114	40	-	212
2034	-	2,291	50	6,046	(129)	3,894	345	5	1,160	40	-	202
2035	-	2,033	50	6,622	(128)	3,894	357	5	1,190	40	-	204
2036	-	1,565	50	6,940	(127)	3,906	384	5	1,177	40	-	191
2037	-	1,900	50	6,861	(142)	3,894	401	5	1,087	39	-	200
2038	-	1,830	50	6,807	(153)	3,828	408	5	993	39	-	189
2039	-	2,066	50	7,025	(153)	3,214	421	5	963	39	-	190
2040	-	2,412	50	7,342	(151)	3,224	435	5	953	39	-	175

Status Quo Extended

NIPSCO Retirement 1

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,415	3,162	50	-	-	1,949	10	-	139	141	-	-
2022	5,858	3,121	50	58	(0)	2,844	19	-	266	147	-	-
2023	4,027	3,870	50	2,746	(5)	2,910	26	-	395	147	-	-
2024	2,750	3,967	50	5,129	(21)	3,357	29	-	498	148	93	-
2025	2,362	3,955	50	5,091	(23)	3,270	32	-	587	147	150	-
2026	2,519	3,743	50	5,065	(24)	3,270	36	6	671	147	137	-
2027	2,510	4,279	50	5,039	(58)	3,270	41	6	753	147	113	-
2028	2,411	3,500	50	5,026	(61)	3,280	45	5	822	147	106	-
2029	2,307	4,171	50	4,988	(63)	3,270	50	5	877	41	106	-
2030	2,300	3,949	50	4,967	(63)	3,270	52	5	939	40	102	-
2031	2,238	4,032	50	4,942	(64)	3,270	54	5	1,000	40	93	-
2032	980	4,143	50	5,444	(65)	3,280	59	5	1,062	40	89	-
2033	-	4,168	50	5,725	(68)	3,269	62	5	1,114	40	84	-
2034	-	4,003	50	5,698	(69)	3,270	63	5	1,160	40	83	-
2035	-	4,084	50	6,309	(68)	3,270	66	5	1,190	40	82	-
2036	-	3,382	50	6,691	(68)	3,280	73	5	1,177	40	80	-
2037	-	4,017	50	6,639	(100)	3,270	75	5	1,087	39	79	-
2038	-	3,801	50	6,611	(127)	3,204	79	5	993	39	75	-
2039	-	4,045	50	6,824	(128)	2,590	85	5	963	39	82	-
2040	-	4,090	50	7,084	(127)	2,598	98	5	953	39	79	-

NIPSCO Retirement 2

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,415	3,162	50	-	-	1,949	10	-	139	141	-	-
2022	5,858	3,121	50	58	(0)	2,844	19	-	266	147	-	-
2023	4,027	3,870	50	2,746	(5)	2,910	26	-	395	147	-	-
2024	2,750	3,967	50	5,129	(21)	3,357	29	-	498	148	93	-
2025	2,362	3,955	50	5,091	(23)	3,270	32	-	587	147	150	-
2026	2,519	3,743	50	5,282	(24)	3,270	36	6	671	147	137	-
2027	2,510	4,279	50	5,255	(58)	3,270	41	6	753	147	113	-
2028	996	3,656	50	5,241	(61)	3,280	45	5	822	147	106	-
2029	-	4,421	50	5,202	(63)	3,270	50	5	877	41	106	-
2030	-	4,191	50	5,571	(63)	3,270	52	5	939	40	102	-
2031	-	4,253	50	5,788	(64)	3,270	54	5	1,000	40	93	-
2032	-	4,223	50	5,772	(65)	3,280	59	5	1,062	40	89	-
2033	-	4,168	50	5,725	(68)	3,269	62	5	1,114	40	84	-
2034	-	4,003	50	5,698	(69)	3,270	63	5	1,160	40	83	-
2035	-	4,084	50	6,309	(68)	3,270	66	5	1,190	40	82	-
2036	-	3,382	50	6,691	(68)	3,280	73	5	1,177	40	80	-
2037	-	4,017	50	6,639	(100)	3,270	75	5	1,087	39	79	-
2038	-	3,801	50	6,611	(127)	3,204	79	5	993	39	75	-
2039	-	4,045	50	6,824	(128)	2,590	85	5	963	39	82	-
2040	-	4,090	50	7,084	(127)	2,598	98	5	953	39	79	-

NIPSCO Retirement 3

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,415	3,162	50	-	-	1,949	10	-	139	141	-	-
2022	5,858	3,121	50	58	(0)	2,844	19	-	266	147	-	-
2023	4,027	3,870	50	2,746	(5)	2,910	26	-	395	147	-	-
2024	2,750	3,967	50	5,129	(21)	3,357	29	-	498	148	93	-
2025	2,362	3,955	50	5,091	(23)	3,270	32	-	587	147	150	-
2026	1,073	3,941	50	5,282	(24)	3,270	36	6	671	147	137	-
2027	-	4,518	50	5,255	(58)	3,270	41	6	753	147	113	-
2028	-	3,737	50	5,241	(61)	3,280	45	5	822	147	106	-
2029	-	4,421	50	5,202	(63)	3,270	50	5	877	41	106	-
2030	-	4,191	50	5,571	(63)	3,270	52	5	939	40	102	-
2031	-	4,253	50	5,788	(64)	3,270	54	5	1,000	40	93	-
2032	-	4,223	50	5,772	(65)	3,280	59	5	1,062	40	89	-
2033	-	4,168	50	5,725	(68)	3,269	62	5	1,114	40	84	-
2034	-	4,003	50	5,698	(69)	3,270	63	5	1,160	40	83	-
2035	-	4,084	50	6,309	(68)	3,270	66	5	1,190	40	82	-
2036	-	3,382	50	6,691	(68)	3,280	73	5	1,177	40	80	-
2037	-	4,017	50	6,639	(100)	3,270	75	5	1,087	39	79	-
2038	-	3,801	50	6,611	(127)	3,204	79	5	993	39	75	-
2039	-	4,045	50	6,824	(128)	2,590	85	5	963	39	82	-
2040	-	4,090	50	7,084	(127)	2,598	98	5	953	39	79	-

NIPSCO Retirement 4

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,415	3,162	50	-	-	1,949	10	-	139	141	-	-
2022	5,858	3,121	50	58	(0)	2,844	19	-	266	147	-	-
2023	4,027	3,870	50	2,746	(5)	2,910	26	-	395	147	-	-
2024	1,119	4,188	50	5,129	(21)	3,357	29	-	498	148	93	-
2025	-	4,264	50	5,091	(53)	3,270	32	-	587	147	150	-
2026	-	4,034	50	5,499	(56)	3,270	36	6	671	147	137	-
2027	-	4,518	50	5,471	(58)	3,270	41	6	753	147	113	-
2028	-	3,737	50	5,456	(61)	3,280	45	5	822	147	106	-
2029	-	4,421	50	5,415	(63)	3,270	50	5	877	41	106	-
2030	-	4,191	50	5,653	(63)	3,270	52	5	939	40	102	-
2031	-	4,253	50	5,788	(64)	3,270	54	5	1,000	40	93	-
2032	-	4,223	50	5,772	(65)	3,280	59	5	1,062	40	89	-
2033	-	4,168	50	5,725	(68)	3,269	62	5	1,114	40	84	-
2034	-	4,003	50	5,698	(69)	3,270	63	5	1,160	40	83	-
2035	-	4,084	50	6,309	(68)	3,270	66	5	1,190	40	82	-
2036	-	3,382	50	6,691	(68)	3,280	73	5	1,177	40	80	-
2037	-	4,017	50	6,639	(100)	3,270	75	5	1,087	39	79	-
2038	-	3,801	50	6,611	(127)	3,204	79	5	993	39	75	-
2039	-	4,045	50	6,824	(128)	2,590	85	5	963	39	82	-
2040	-	4,090	50	7,084	(127)	2,598	98	5	953	39	79	-

NIPSCO Retirement 5

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,415	3,162	50	-	-	1,949	10	-	139	141	-	-
2022	5,858	3,121	50	58	(0)	2,844	19	-	266	147	-	-
2023	4,027	3,870	50	2,746	(5)	2,910	26	-	395	147	-	-
2024	2,750	3,967	50	5,129	(21)	3,357	29	-	498	148	93	-
2025	2,362	3,944	50	5,091	(53)	3,270	32	-	587	147	150	-
2026	2,519	3,729	50	5,282	(56)	3,270	36	6	671	147	137	-
2027	2,510	4,269	50	5,255	(58)	3,270	41	6	753	147	113	-
2028	996	3,654	50	5,241	(61)	3,280	45	5	822	147	106	-
2029	-	4,421	50	5,202	(63)	3,270	50	5	877	41	106	-
2030	-	4,191	50	5,571	(63)	3,270	52	5	939	40	102	-
2031	-	4,253	50	5,788	(64)	3,270	54	5	1,000	40	93	-
2032	-	4,223	50	5,772	(65)	3,280	59	5	1,062	40	89	-
2033	-	4,168	50	5,725	(68)	3,269	62	5	1,114	40	84	-
2034	-	4,003	50	5,698	(69)	3,270	63	5	1,160	40	83	-
2035	-	4,084	50	6,309	(68)	3,270	66	5	1,190	40	82	-
2036	-	3,382	50	6,691	(68)	3,280	73	5	1,177	40	80	-
2037	-	4,017	50	6,639	(100)	3,270	75	5	1,087	39	79	-
2038	-	3,801	50	6,611	(127)	3,204	79	5	993	39	75	-
2039	-	4,045	50	6,824	(128)	2,590	85	5	963	39	82	-
2040	-	4,090	50	7,084	(127)	2,598	98	5	953	39	79	-

NIPSCO Retirement 6

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,415	3,162	50	-	-	1,949	10	-	139	141	-	-
2022	5,858	3,121	50	58	(0)	2,844	19	-	266	147	-	-
2023	4,027	3,870	50	2,746	(5)	2,910	26	-	395	147	-	-
2024	2,750	3,967	50	5,129	(21)	3,357	29	-	498	148	93	-
2025	2,362	3,944	50	5,091	(53)	3,270	32	-	587	147	150	-
2026	1,073	3,926	50	5,282	(56)	3,894	36	6	671	147	137	-
2027	-	4,508	50	5,255	(58)	3,894	41	6	753	147	113	-
2028	-	3,734	50	5,241	(61)	3,906	45	5	822	147	106	-
2029	-	4,421	50	5,202	(63)	3,894	50	5	877	41	106	-
2030	-	4,191	50	5,571	(63)	3,894	52	5	939	40	102	-
2031	-	4,253	50	5,788	(64)	3,894	54	5	1,000	40	93	-
2032	-	4,223	50	5,772	(65)	3,906	59	5	1,062	40	89	-
2033	-	4,168	50	5,725	(68)	3,893	62	5	1,114	40	84	-
2034	-	4,003	50	5,698	(69)	3,894	63	5	1,160	40	83	-
2035	-	4,084	50	6,309	(68)	3,894	66	5	1,190	40	82	-
2036	-	3,382	50	6,691	(68)	3,906	73	5	1,177	40	80	-
2037	-	4,017	50	6,639	(100)	3,894	75	5	1,087	39	79	-
2038	-	3,801	50	6,611	(127)	3,828	79	5	993	39	75	-
2039	-	4,045	50	6,824	(128)	3,214	85	5	963	39	82	-
2040	-	4,090	50	7,084	(127)	3,224	98	5	953	39	79	-

NIPSCO Retirement 7

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,415	3,162	50	-	-	1,949	10	-	139	141	-	-
2022	5,858	3,121	50	58	(0)	2,844	19	-	266	147	-	-
2023	4,027	3,870	50	2,746	(5)	2,910	26	-	395	147	-	-
2024	2,750	3,967	50	5,129	(21)	3,357	29	-	498	148	-	-
2025	2,362	3,944	50	5,091	(75)	3,270	32	-	587	147	-	-
2026	2,519	3,729	50	5,607	(103)	3,894	36	6	671	147	-	-
2027	2,510	3,825	50	5,579	(164)	3,894	41	6	753	147	-	-
2028	996	3,135	50	5,564	(172)	3,906	45	5	822	147	-	-
2029	-	3,735	50	5,522	(174)	3,894	50	5	877	41	-	-
2030	-	3,551	50	6,020	(175)	3,894	52	5	939	40	-	-
2031	-	3,588	50	6,317	(178)	3,894	54	5	1,000	40	-	-
2032	-	1,453	50	7,331	(272)	3,906	59	5	1,062	40	-	-
2033	-	-	50	7,923	(358)	3,893	62	5	1,114	40	-	-
2034	-	-	50	7,885	(361)	3,894	63	5	1,160	40	-	-
2035	-	-	50	8,487	(354)	3,894	66	5	1,190	40	-	-
2036	-	-	50	8,861	(373)	3,906	73	5	1,177	40	-	-
2037	-	-	50	8,794	(399)	3,894	75	5	1,087	39	-	-
2038	-	-	50	8,756	(422)	3,828	79	5	993	39	-	-
2039	-	-	50	8,958	(427)	3,214	85	5	963	39	-	-
2040	-	-	50	9,210	(421)	3,224	98	5	953	39	-	-

NIPSCO Retirement 7H

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,415	3,162	50	-	-	1,949	10	-	139	141	-	-
2022	5,858	3,121	50	58	(0)	2,844	19	-	266	147	-	-
2023	4,027	3,870	50	2,746	(5)	2,910	26	-	395	147	-	-
2024	2,750	3,967	50	5,129	(21)	3,357	29	-	498	148	-	-
2025	2,362	4,301	50	5,091	(75)	3,270	32	-	587	147	-	-
2026	2,519	416	50	5,607	(80)	3,894	36	6	671	147	-	-
2027	2,510	4,505	50	5,579	(115)	3,894	41	6	753	147	-	55
2028	996	3,731	50	5,564	(121)	3,906	45	5	822	147	-	46
2029	-	4,406	50	5,522	(123)	3,894	50	5	877	41	-	55
2030	-	4,173	50	6,020	(123)	3,894	52	5	939	40	-	52
2031	-	4,238	50	6,317	(126)	3,894	54	5	1,000	40	-	55
2032	-	4,213	50	6,299	(128)	3,906	59	5	1,062	40	-	55
2033	-	4,158	50	6,248	(134)	3,893	62	5	1,114	40	-	55
2034	-	3,990	50	6,218	(135)	3,894	63	5	1,160	40	-	52
2035	-	4,068	50	6,828	(133)	3,894	66	5	1,190	40	-	55
2036	-	3,374	50	7,208	(134)	3,906	73	5	1,177	40	-	46
2037	-	4,005	50	7,152	(149)	3,894	75	5	1,087	39	-	55
2038	-	3,795	50	7,122	(165)	3,828	79	5	993	39	-	52
2039	-	4,043	50	7,332	(167)	3,214	85	5	963	39	-	55
2040	-	4,084	50	7,590	(165)	3,224	98	5	953	39	-	55

Economy-Wide Decarbonization

NIPSCO Retirement 1

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,459	3,187	50	-	-	1,949	20	-	139	141	-	-
2022	5,987	2,865	50	58	(0)	2,844	44	-	266	147	-	-
2023	4,239	3,018	50	2,746	(2)	2,910	63	-	395	147	-	-
2024	2,894	2,890	50	5,129	(12)	3,357	82	-	498	148	39	-
2025	2,574	2,682	50	5,091	(17)	3,270	109	-	587	147	38	-
2026	2,698	2,403	50	5,065	(16)	3,270	133	6	671	147	28	-
2027	2,826	2,614	50	5,039	(51)	3,270	161	6	753	147	24	-
2028	2,633	1,927	50	5,026	(53)	3,280	194	5	822	147	17	-
2029	2,495	2,170	50	4,988	(51)	3,270	222	5	877	41	21	-
2030	2,561	2,165	50	4,967	(54)	3,270	253	5	939	40	22	-
2031	2,638	2,473	50	4,942	(55)	3,270	274	5	1,000	40	27	-
2032	1,062	2,552	50	5,444	(53)	3,280	281	5	1,062	40	27	-
2033	-	2,472	50	5,728	(56)	3,270	283	5	1,114	40	24	-
2034	-	2,624	50	5,698	(55)	3,270	287	5	1,160	40	27	-
2035	-	3,034	50	6,309	(54)	3,270	293	5	1,190	40	39	-
2036	-	2,526	50	6,691	(53)	3,280	305	5	1,177	40	35	-
2037	-	3,454	50	6,639	(86)	3,270	310	5	1,087	39	48	-
2038	-	3,533	50	6,611	(103)	3,204	315	5	993	39	59	-
2039	-	3,699	50	6,824	(103)	2,590	320	5	963	39	64	-
2040	-	3,718	50	7,084	(107)	2,598	326	5	953	39	63	-

NIPSCO Retirement 2

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,459	3,187	50	-	-	1,949	20	-	139	141	-	-
2022	5,987	2,865	50	58	(0)	2,844	44	-	266	147	-	-
2023	4,239	3,018	50	2,746	(2)	2,910	63	-	395	147	-	-
2024	2,894	2,890	50	5,129	(12)	3,357	82	-	498	148	39	-
2025	2,574	2,682	50	5,091	(17)	3,270	109	-	587	147	38	-
2026	2,698	2,403	50	5,282	(16)	3,270	133	6	671	147	28	-
2027	2,826	2,614	50	5,255	(51)	3,270	161	6	753	147	24	-
2028	1,031	1,952	50	5,241	(53)	3,280	194	5	822	147	17	-
2029	-	2,242	50	5,202	(51)	3,270	222	5	877	41	21	-
2030	-	2,246	50	5,571	(54)	3,270	253	5	939	40	22	-
2031	-	2,572	50	5,788	(55)	3,270	274	5	1,000	40	27	-
2032	-	2,592	50	5,772	(53)	3,280	281	5	1,062	40	27	-
2033	-	2,472	50	5,728	(56)	3,270	283	5	1,114	40	24	-
2034	-	2,624	50	5,698	(55)	3,270	287	5	1,160	40	27	-
2035	-	3,034	50	6,309	(54)	3,270	293	5	1,190	40	39	-
2036	-	2,526	50	6,691	(53)	3,280	305	5	1,177	40	35	-
2037	-	3,454	50	6,639	(86)	3,270	310	5	1,087	39	48	-
2038	-	3,533	50	6,611	(103)	3,204	315	5	993	39	59	-
2039	-	3,699	50	6,824	(103)	2,590	320	5	963	39	64	-
2040	-	3,718	50	7,084	(107)	2,598	326	5	953	39	63	-

NIPSCO Retirement 3

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,459	3,187	50	-	-	1,949	20	-	139	141	-	-
2022	5,987	2,865	50	58	(0)	2,844	44	-	266	147	-	-
2023	4,239	3,018	50	2,746	(2)	2,910	63	-	395	147	-	-
2024	2,894	2,890	50	5,129	(12)	3,357	82	-	498	148	39	-
2025	2,574	2,682	50	5,091	(17)	3,270	109	-	587	147	38	-
2026	1,175	2,438	50	5,282	(16)	3,270	133	6	671	147	28	-
2027	-	2,664	50	5,255	(51)	3,270	161	6	753	147	24	-
2028	-	1,969	50	5,241	(53)	3,280	194	5	822	147	17	-
2029	-	2,242	50	5,202	(51)	3,270	222	5	877	41	21	-
2030	-	2,246	50	5,571	(54)	3,270	253	5	939	40	22	-
2031	-	2,572	50	5,788	(55)	3,270	274	5	1,000	40	27	-
2032	-	2,592	50	5,772	(53)	3,280	281	5	1,062	40	27	-
2033	-	2,472	50	5,728	(56)	3,270	283	5	1,114	40	24	-
2034	-	2,624	50	5,698	(55)	3,270	287	5	1,160	40	27	-
2035	-	3,034	50	6,309	(54)	3,270	293	5	1,190	40	39	-
2036	-	2,526	50	6,691	(53)	3,280	305	5	1,177	40	35	-
2037	-	3,454	50	6,639	(86)	3,270	310	5	1,087	39	48	-
2038	-	3,533	50	6,611	(103)	3,204	315	5	993	39	59	-
2039	-	3,699	50	6,824	(103)	2,590	320	5	963	39	64	-
2040	-	3,718	50	7,084	(107)	2,598	326	5	953	39	63	-

NIPSCO Retirement 4

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,459	3,187	50	-	-	1,949	20	-	139	141	-	-
2022	5,987	2,865	50	58	(0)	2,844	44	-	266	147	-	-
2023	4,239	3,018	50	2,746	(2)	2,910	63	-	395	147	-	-
2024	1,180	2,945	50	5,129	(12)	3,357	82	-	498	148	39	-
2025	-	2,751	50	5,091	(51)	3,270	109	-	587	147	38	-
2026	-	2,464	50	5,499	(52)	3,270	133	6	671	147	28	-
2027	-	2,664	50	5,471	(51)	3,270	161	6	753	147	24	-
2028	-	1,969	50	5,456	(53)	3,280	194	5	822	147	17	-
2029	-	2,242	50	5,415	(51)	3,270	222	5	877	41	21	-
2030	-	2,246	50	5,653	(54)	3,270	253	5	939	40	22	-
2031	-	2,572	50	5,788	(55)	3,270	274	5	1,000	40	27	-
2032	-	2,592	50	5,772	(53)	3,280	281	5	1,062	40	27	-
2033	-	2,472	50	5,728	(56)	3,270	283	5	1,114	40	24	-
2034	-	2,624	50	5,698	(55)	3,270	287	5	1,160	40	27	-
2035	-	3,034	50	6,309	(54)	3,270	293	5	1,190	40	39	-
2036	-	2,526	50	6,691	(53)	3,280	305	5	1,177	40	35	-
2037	-	3,454	50	6,639	(86)	3,270	310	5	1,087	39	48	-
2038	-	3,533	50	6,611	(103)	3,204	315	5	993	39	59	-
2039	-	3,699	50	6,824	(103)	2,590	320	5	963	39	64	-
2040	-	3,718	50	7,084	(107)	2,598	326	5	953	39	63	-

NIPSCO Retirement 5

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,459	3,187	50	-	-	1,949	20	-	139	141	-	-
2022	5,987	2,865	50	58	(0)	2,844	44	-	266	147	-	-
2023	4,239	3,018	50	2,746	(2)	2,910	63	-	395	147	-	-
2024	2,894	2,890	50	5,129	(12)	3,357	82	-	498	148	39	-
2025	2,574	2,682	50	5,091	(51)	3,270	109	-	587	147	38	-
2026	2,698	2,400	50	5,282	(52)	3,270	133	6	671	147	28	-
2027	2,826	2,613	50	5,255	(51)	3,270	161	6	753	147	24	-
2028	1,031	1,951	50	5,241	(53)	3,280	194	5	822	147	17	-
2029	-	2,242	50	5,202	(51)	3,270	222	5	877	41	21	-
2030	-	2,246	50	5,571	(54)	3,270	253	5	939	40	22	-
2031	-	2,572	50	5,788	(55)	3,270	274	5	1,000	40	27	-
2032	-	2,592	50	5,772	(53)	3,280	281	5	1,062	40	27	-
2033	-	2,472	50	5,728	(56)	3,270	283	5	1,114	40	24	-
2034	-	2,624	50	5,698	(55)	3,270	287	5	1,160	40	27	-
2035	-	3,034	50	6,309	(54)	3,270	293	5	1,190	40	39	-
2036	-	2,526	50	6,691	(53)	3,280	305	5	1,177	40	35	-
2037	-	3,454	50	6,639	(86)	3,270	310	5	1,087	39	48	-
2038	-	3,533	50	6,611	(103)	3,204	315	5	993	39	59	-
2039	-	3,699	50	6,824	(103)	2,590	320	5	963	39	64	-
2040	-	3,718	50	7,084	(107)	2,598	326	5	953	39	63	-

NIPSCO Retirement 6

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,459	3,187	50	-	-	1,949	20	-	139	141	-	-
2022	5,987	2,865	50	58	(0)	2,844	44	-	266	147	-	-
2023	4,239	3,018	50	2,746	(2)	2,910	63	-	395	147	-	-
2024	2,894	2,890	50	5,129	(12)	3,357	82	-	498	148	39	-
2025	2,574	2,682	50	5,091	(51)	3,270	109	-	587	147	38	-
2026	1,175	2,435	50	5,282	(52)	3,894	133	6	671	147	28	-
2027	-	2,663	50	5,255	(51)	3,894	161	6	753	147	24	-
2028	-	1,968	50	5,241	(53)	3,906	194	5	822	147	17	-
2029	-	2,242	50	5,202	(51)	3,894	222	5	877	41	21	-
2030	-	2,246	50	5,571	(54)	3,894	253	5	939	40	22	-
2031	-	2,572	50	5,788	(55)	3,894	274	5	1,000	40	27	-
2032	-	2,592	50	5,772	(53)	3,906	281	5	1,062	40	27	-
2033	-	2,472	50	5,728	(56)	3,894	283	5	1,114	40	24	-
2034	-	2,624	50	5,698	(55)	3,894	287	5	1,160	40	27	-
2035	-	3,034	50	6,309	(54)	3,894	293	5	1,190	40	39	-
2036	-	2,526	50	6,691	(53)	3,906	305	5	1,177	40	35	-
2037	-	3,454	50	6,639	(86)	3,894	310	5	1,087	39	48	-
2038	-	3,533	50	6,611	(103)	3,828	315	5	993	39	59	-
2039	-	3,699	50	6,824	(103)	3,214	320	5	963	39	64	-
2040	-	3,718	50	7,084	(107)	3,224	326	5	953	39	63	-

NIPSCO Retirement 7

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,459	3,187	50	-	-	1,949	20	-	139	141	-	-
2022	5,987	2,865	50	58	(0)	2,844	44	-	266	147	-	-
2023	4,239	3,018	50	2,746	(2)	2,910	63	-	395	147	-	-
2024	2,894	2,890	50	5,129	(12)	3,357	82	-	498	148	-	-
2025	2,574	2,682	50	5,091	(76)	3,270	109	-	587	147	-	-
2026	2,698	2,400	50	5,607	(104)	3,894	133	6	671	147	-	-
2027	2,826	2,237	50	5,579	(168)	3,894	161	6	753	147	-	-
2028	1,031	1,641	50	5,564	(174)	3,906	194	5	822	147	-	-
2029	-	1,827	50	5,522	(175)	3,894	222	5	877	41	-	-
2030	-	1,840	50	6,020	(178)	3,894	253	5	939	40	-	-
2031	-	2,112	50	6,317	(178)	3,894	274	5	1,000	40	-	-
2032	-	711	50	7,331	(273)	3,906	281	5	1,062	40	-	-
2033	-	-	50	7,926	(359)	3,894	283	5	1,114	40	-	-
2034	-	-	50	7,885	(349)	3,894	287	5	1,160	40	-	-
2035	-	-	50	8,487	(335)	3,894	293	5	1,190	40	-	-
2036	-	-	50	8,861	(349)	3,906	305	5	1,177	40	-	-
2037	-	-	50	8,794	(370)	3,894	310	5	1,087	39	-	-
2038	-	-	50	8,756	(372)	3,828	315	5	993	39	-	-
2039	-	-	50	8,958	(374)	3,214	320	5	963	39	-	-
2040	-	-	50	9,210	(374)	3,224	326	5	953	39	-	-

NIPSCO Retirement 7H

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,459	3,187	50	-	-	1,949	20	-	139	141	-	-
2022	5,987	2,865	50	58	(0)	2,844	44	-	266	147	-	-
2023	4,239	3,018	50	2,746	(2)	2,910	63	-	395	147	-	-
2024	2,894	2,890	50	5,129	(12)	3,357	82	-	498	148	-	0
2025	2,574	2,779	50	5,091	(76)	3,270	109	-	587	147	-	79
2026	2,698	101	50	5,607	(78)	3,894	133	6	671	147	-	79
2027	2,826	2,647	50	5,579	(114)	3,894	161	6	753	147	-	134
2028	1,031	1,964	50	5,564	(119)	3,906	194	5	822	147	-	125
2029	-	2,237	50	5,522	(118)	3,894	222	5	877	41	-	134
2030	-	2,239	50	6,020	(121)	3,894	253	5	939	40	-	131
2031	-	2,570	50	6,317	(122)	3,894	274	5	1,000	40	-	134
2032	-	3,624	50	6,299	(120)	3,906	281	5	1,062	40	-	134
2033	-	4,493	50	6,251	(125)	3,894	283	5	1,114	40	-	249
2034	-	4,309	50	6,218	(122)	3,894	287	5	1,160	40	-	261
2035	-	4,633	50	6,828	(118)	3,894	293	5	1,190	40	-	303
2036	-	3,783	50	7,208	(116)	3,906	305	5	1,177	40	-	286
2037	-	4,494	50	7,152	(133)	3,894	310	5	1,087	39	-	343
2038	-	4,158	50	7,122	(138)	3,828	315	5	993	39	-	389
2039	-	4,223	50	7,332	(139)	3,214	320	5	963	39	-	405
2040	-	3,765	50	7,590	(142)	3,224	326	5	953	39	-	408

Generation Mix (GWh) by Replacement Portfolio

Reference Case

NIPSCO Replacement 3A

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,410	3,166	50	-	-	1,949	16	-	139	141	-	-
2022	6,130	2,895	50	58	(0)	2,844	27	-	266	147	-	-
2023	4,302	3,063	50	2,746	(5)	2,910	41	-	395	147	-	-
2024	2,920	2,982	50	5,129	(20)	3,357	59	-	498	148	43	-
2025	2,622	2,905	50	5,092	(21)	3,270	74	-	587	147	43	-
2026	1,032	2,938	50	6,258	(50)	3,270	83	6	671	147	27	-
2027	-	3,383	50	6,226	(84)	3,270	92	6	753	147	21	-
2028	-	2,778	50	6,209	(90)	3,280	101	5	822	147	23	-
2029	-	3,293	50	6,163	(94)	3,270	114	5	877	41	27	-
2030	-	3,121	50	6,658	(97)	3,270	141	5	939	40	25	-
2031	-	3,064	50	6,952	(101)	3,270	154	5	1,000	40	22	-
2032	-	3,052	50	7,061	(102)	3,280	171	5	1,062	40	19	-
2033	-	2,999	50	7,089	(104)	3,270	178	5	1,114	40	18	-
2034	-	3,013	50	7,052	(105)	3,270	186	5	1,160	40	6	-
2035	-	2,965	50	7,657	(105)	3,270	195	5	1,190	40	-	-
2036	-	2,550	50	8,034	(107)	3,280	202	5	1,177	40	-	-
2037	-	3,055	50	7,973	(140)	3,270	210	5	1,087	39	-	-
2038	-	3,174	50	7,939	(168)	3,204	215	5	993	39	-	-
2039	-	3,357	50	8,145	(168)	2,590	216	5	963	39	-	-
2040	-	3,396	50	8,524	(168)	2,598	219	5	953	39	-	-

NIPSCO Replacement 3B

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,410	3,166	50	-	-	1,949	16	-	139	141	-	-
2022	6,130	2,895	50	58	(0)	2,844	27	-	266	147	-	-
2023	4,302	3,063	50	2,746	(5)	2,910	41	-	395	147	-	-
2024	2,920	2,982	50	5,129	(20)	3,357	59	-	498	148	43	-
2025	2,622	2,905	50	5,091	(21)	3,270	74	-	587	147	43	-
2026	1,032	3,217	50	5,282	(24)	3,270	83	6	671	147	27	-
2027	-	3,631	50	5,255	(25)	3,270	92	6	753	147	21	-
2028	-	3,030	50	5,241	(27)	3,280	101	5	822	147	23	-
2029	-	3,598	50	5,202	(28)	3,270	114	5	877	41	27	-
2030	-	3,408	50	5,571	(29)	3,270	141	5	939	40	25	-
2031	-	3,328	50	5,788	(30)	3,270	154	5	1,000	40	22	-
2032	-	3,287	50	5,772	(30)	3,280	171	5	1,062	40	19	-
2033	-	3,244	50	5,728	(30)	3,270	178	5	1,114	40	18	-
2034	-	3,271	50	5,698	(31)	3,270	186	5	1,160	40	6	-
2035	-	3,258	50	6,309	(31)	3,270	195	5	1,190	40	-	-
2036	-	2,874	50	6,691	(31)	3,280	202	5	1,177	40	-	-
2037	-	3,373	50	6,639	(64)	3,270	210	5	1,087	39	-	-
2038	-	3,578	50	6,611	(90)	3,204	215	5	993	39	-	-
2039	-	3,778	50	6,824	(90)	2,590	216	5	963	39	-	-
2040	-	3,817	50	7,084	(91)	2,598	219	5	953	39	-	-

NIPSCO Replacement 3C

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,410	3,166	50	-	-	1,949	16	-	139	141	-	-
2022	6,130	2,895	50	58	(0)	2,844	27	-	266	147	-	-
2023	4,302	3,063	50	2,746	(5)	2,910	41	-	395	147	-	-
2024	2,920	2,982	50	5,129	(20)	3,357	59	-	498	148	-	-
2025	2,622	2,905	50	5,091	(21)	3,270	74	-	587	147	-	-
2026	1,032	5,395	50	5,065	(24)	3,270	83	6	671	147	-	-
2027	-	7,325	50	5,039	(25)	3,270	92	6	753	147	-	-
2028	-	6,659	50	5,026	(27)	3,280	101	5	822	147	-	-
2029	-	7,161	50	4,988	(28)	3,270	114	5	877	41	-	-
2030	-	6,883	50	4,967	(29)	3,270	141	5	939	40	-	-
2031	-	6,697	50	4,942	(30)	3,270	154	5	1,000	40	-	-
2032	-	6,640	50	4,928	(30)	3,280	171	5	1,062	40	-	-
2033	-	6,558	50	4,890	(30)	3,270	178	5	1,114	40	-	-
2034	-	6,655	50	5,120	(31)	3,270	186	5	1,160	40	-	-
2035	-	6,560	50	5,259	(31)	3,270	195	5	1,190	40	-	-
2036	-	6,155	50	5,244	(47)	3,280	202	5	1,177	40	-	-
2037	-	6,693	50	5,203	(60)	3,270	210	5	1,087	39	-	-
2038	-	7,044	50	5,181	(61)	3,204	215	5	993	39	-	-
2039	-	7,312	50	5,402	(61)	2,590	216	5	963	39	-	-
2040	-	7,328	50	5,666	(61)	2,598	219	5	953	39	-	-

NIPSCO Replacement 3D

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,410	3,166	50	-	-	1,949	16	-	139	141	-	-
2022	6,130	2,895	50	58	(0)	2,844	27	-	266	147	-	-
2023	4,302	3,063	50	2,746	(5)	2,910	41	-	395	147	-	-
2024	2,920	2,982	50	5,129	(20)	3,357	59	-	498	148	-	-
2025	2,622	2,905	50	5,092	(21)	3,270	74	-	587	147	-	-
2026	1,032	2,938	50	6,583	(50)	3,270	83	6	671	147	-	-
2027	-	3,383	50	6,550	(84)	3,270	92	6	753	147	-	-
2028	-	2,778	50	6,532	(90)	3,280	101	5	822	147	-	-
2029	-	3,293	50	6,483	(94)	3,270	114	5	877	41	-	-
2030	-	3,121	50	6,977	(97)	3,270	141	5	939	40	-	-
2031	-	3,064	50	7,269	(101)	3,270	154	5	1,000	40	-	-
2032	-	3,052	50	7,248	(102)	3,280	171	5	1,062	40	-	-
2033	-	2,999	50	7,578	(104)	3,270	178	5	1,114	40	-	-
2034	-	3,013	50	7,781	(137)	3,270	186	5	1,160	40	-	-
2035	-	2,965	50	7,938	(162)	3,270	195	5	1,190	40	-	-
2036	-	2,550	50	8,034	(164)	3,280	202	5	1,177	40	-	-
2037	-	3,055	50	7,973	(166)	3,270	210	5	1,087	39	-	-
2038	-	3,174	50	7,939	(168)	3,204	215	5	993	39	-	-
2039	-	3,357	50	8,145	(168)	2,590	216	5	963	39	-	-
2040	-	3,396	50	8,524	(168)	2,598	219	5	953	39	-	-

NIPSCO Replacement 3E

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,410	3,166	50	-	-	1,949	16	-	139	141	-	-
2022	6,130	2,895	50	58	(0)	2,844	27	-	266	147	-	-
2023	4,302	3,063	50	2,746	(5)	2,910	41	-	395	147	-	-
2024	2,920	2,982	50	5,129	(20)	3,357	59	-	498	148	43	-
2025	2,622	2,905	50	5,091	(52)	3,270	74	-	587	147	43	-
2026	1,032	2,938	50	5,607	(78)	3,270	83	6	671	147	27	-
2027	-	3,383	50	5,579	(138)	3,270	92	6	753	147	21	-
2028	-	2,778	50	5,564	(142)	3,280	101	5	822	147	23	-
2029	-	3,293	50	5,522	(148)	3,270	114	5	877	41	27	-
2030	-	3,121	50	5,890	(153)	3,270	141	5	939	40	25	-
2031	-	3,064	50	6,105	(159)	3,270	154	5	1,000	40	22	-
2032	-	3,052	50	6,088	(175)	3,280	171	5	1,062	40	19	-
2033	-	2,999	50	6,042	(192)	3,270	178	5	1,114	40	18	-
2034	-	3,013	50	6,010	(192)	3,270	186	5	1,160	40	6	-
2035	-	2,965	50	6,620	(191)	3,270	195	5	1,190	40	-	-
2036	-	2,550	50	7,001	(211)	3,280	202	5	1,177	40	-	-
2037	-	3,055	50	6,947	(242)	3,270	210	5	1,087	39	-	-
2038	-	3,174	50	6,917	(257)	3,204	215	5	993	39	-	-
2039	-	3,357	50	7,129	(258)	2,590	216	5	963	39	-	-
2040	-	3,396	50	7,388	(258)	2,598	219	5	953	39	-	-

NIPSCO Replacement 3F

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,410	3,166	50	-	-	1,949	16	-	139	141	-	-
2022	6,130	2,895	50	58	(0)	2,844	27	-	266	147	-	-
2023	4,302	3,063	50	2,746	(5)	2,910	41	-	395	147	-	-
2024	2,920	2,982	50	5,129	(20)	3,357	59	-	498	148	43	-
2025	2,622	2,905	50	5,091	(21)	3,270	74	-	587	147	43	-
2026	1,032	2,989	50	5,282	(24)	3,270	83	6	671	147	27	-
2027	-	3,452	50	5,255	(57)	3,270	92	6	753	147	21	-
2028	-	2,850	50	5,241	(60)	3,280	101	5	822	147	23	-
2029	-	3,389	50	5,202	(63)	3,270	114	5	877	41	27	-
2030	-	3,215	50	5,571	(65)	3,270	141	5	939	40	25	-
2031	-	3,148	50	5,788	(67)	3,270	154	5	1,000	40	22	-
2032	-	3,126	50	5,772	(67)	3,280	171	5	1,062	40	19	-
2033	-	3,071	50	5,728	(69)	3,270	178	5	1,114	40	18	-
2034	-	3,092	50	5,698	(69)	3,270	186	5	1,160	40	6	-
2035	-	3,064	50	6,309	(69)	3,270	195	5	1,190	40	-	-
2036	-	2,657	50	6,691	(70)	3,280	202	5	1,177	40	-	-
2037	-	3,156	50	6,639	(103)	3,270	210	5	1,087	39	-	-
2038	-	3,301	50	6,611	(130)	3,204	215	5	993	39	-	-
2039	-	3,491	50	6,824	(130)	2,590	216	5	963	39	-	-
2040	-	3,533	50	7,084	(130)	2,598	219	5	953	39	-	-

NIPSCO Replacement 3G

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,410	3,166	50	-	-	1,949	16	-	139	141	-	-
2022	6,130	2,895	50	58	(0)	2,844	27	-	266	147	-	-
2023	4,302	3,063	50	2,746	(5)	2,910	41	-	395	147	-	-
2024	2,920	2,982	50	5,129	(20)	3,357	59	-	498	148	-	-
2025	2,622	2,905	50	5,092	(21)	3,270	74	-	587	147	-	-
2026	1,032	2,938	50	6,692	(50)	3,270	83	6	671	147	-	-
2027	-	2,977	50	6,658	(84)	3,270	92	6	753	147	-	-
2028	-	2,419	50	6,639	(90)	3,280	101	5	822	147	-	-
2029	-	2,867	50	6,590	(94)	3,270	114	5	877	41	-	-
2030	-	2,728	50	7,084	(97)	3,270	141	5	939	40	-	-
2031	-	2,666	50	7,375	(101)	3,270	154	5	1,000	40	-	-
2032	-	1,050	50	8,643	(150)	3,280	171	5	1,062	40	-	-
2033	-	-	50	9,777	(189)	3,270	178	5	1,114	40	-	-
2034	-	-	50	10,350	(190)	3,270	186	5	1,160	40	-	-
2035	-	-	50	11,183	(190)	3,270	195	5	1,190	40	-	-
2036	-	-	50	11,549	(193)	3,280	202	5	1,177	40	-	-
2037	-	-	50	11,462	(211)	3,270	210	5	1,087	39	-	-
2038	-	-	50	11,412	(226)	3,204	215	5	993	39	-	-
2039	-	-	50	11,475	(226)	2,590	216	5	963	39	-	-
2040	-	-	50	11,641	(227)	2,598	219	5	953	39	-	-

NIPSCO Replacement 3H

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,410	3,166	50	-	-	1,949	16	-	139	141	-	-
2022	6,130	2,895	50	58	(0)	2,844	27	-	266	147	-	-
2023	4,302	3,063	50	2,746	(5)	2,910	41	-	395	147	-	-
2024	2,920	2,982	50	5,129	(20)	3,357	59	-	498	148	-	-
2025	2,622	2,905	50	5,091	(74)	3,270	74	-	587	147	-	-
2026	1,032	2,938	50	5,607	(101)	3,894	83	6	671	147	-	-
2027	-	2,977	50	5,579	(162)	3,894	92	6	753	147	-	-
2028	-	2,419	50	5,564	(167)	3,906	101	5	822	147	-	-
2029	-	2,867	50	5,522	(174)	3,894	114	5	877	41	-	-
2030	-	2,728	50	6,020	(180)	3,894	141	5	939	40	-	-
2031	-	2,666	50	6,317	(186)	3,894	154	5	1,000	40	-	-
2032	-	1,050	50	7,331	(282)	3,906	171	5	1,062	40	-	-
2033	-	-	50	7,926	(362)	3,894	178	5	1,114	40	-	-
2034	-	-	50	7,885	(363)	3,894	186	5	1,160	40	-	-
2035	-	-	50	8,487	(360)	3,894	195	5	1,190	40	-	-
2036	-	-	50	8,861	(382)	3,906	202	5	1,177	40	-	-
2037	-	-	50	8,794	(416)	3,894	210	5	1,087	39	-	-
2038	-	-	50	8,756	(433)	3,828	215	5	993	39	-	-
2039	-	-	50	8,958	(434)	3,214	216	5	963	39	-	-
2040	-	-	50	9,210	(434)	3,224	219	5	953	39	-	-

NIPSCO Replacement 3I

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,410	3,166	50	-	-	1,949	16	-	139	141	-	-
2022	6,130	2,895	50	58	(0)	2,844	27	-	266	147	-	-
2023	4,302	3,063	50	2,746	(5)	2,910	41	-	395	147	-	-
2024	2,920	2,982	50	5,129	(20)	3,357	59	-	498	148	-	-
2025	2,622	3,024	50	5,091	(74)	3,270	74	-	587	147	-	-
2026	1,032	143	50	5,607	(78)	3,894	83	6	671	147	-	-
2027	-	3,449	50	5,579	(114)	3,894	92	6	753	147	-	55
2028	-	2,854	50	5,564	(118)	3,906	101	5	822	147	-	46
2029	-	3,384	50	5,522	(123)	3,894	114	5	877	41	-	55
2030	-	3,207	50	6,020	(127)	3,894	141	5	939	40	-	52
2031	-	3,140	50	6,317	(131)	3,894	154	5	1,000	40	-	55
2032	-	3,119	50	6,299	(132)	3,906	171	5	1,062	40	-	55
2033	-	3,069	50	6,251	(135)	3,894	178	5	1,114	40	-	55
2034	-	3,092	50	6,218	(136)	3,894	186	5	1,160	40	-	52
2035	-	3,058	50	6,828	(135)	3,894	195	5	1,190	40	-	55
2036	-	2,660	50	7,208	(137)	3,906	202	5	1,177	40	-	46
2037	-	3,155	50	7,152	(155)	3,894	210	5	1,087	39	-	55
2038	-	3,310	50	7,122	(170)	3,828	215	5	993	39	-	52
2039	-	3,500	50	7,332	(170)	3,214	216	5	963	39	-	55
2040	-	3,538	50	7,590	(170)	3,224	219	5	953	39	-	55

Aggressive Environmental Regulation

NIPSCO Replacement 3A

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,433	3,164	50	-	-	1,949	22	-	139	141	-	-
2022	6,592	2,408	50	58	(0)	2,844	47	-	266	147	-	-
2023	4,399	2,254	50	2,746	(5)	2,910	69	-	395	147	-	-
2024	2,730	2,457	50	5,129	(20)	3,357	92	-	498	148	24	-
2025	2,383	1,917	50	5,092	(21)	3,270	118	-	587	147	11	-
2026	1,134	1,650	50	6,258	(49)	3,270	151	6	671	147	9	-
2027	-	1,950	50	6,226	(81)	3,270	190	6	753	147	5	-
2028	-	1,569	50	6,205	(88)	3,280	202	5	822	147	2	-
2029	-	1,804	50	6,122	(98)	3,270	221	5	877	41	4	-
2030	-	1,757	50	6,578	(98)	3,270	255	5	939	40	4	-
2031	-	2,093	50	6,857	(104)	3,270	281	5	1,000	40	5	-
2032	-	2,352	50	6,909	(106)	3,280	304	5	1,062	40	6	-
2033	-	2,445	50	6,921	(105)	3,270	324	5	1,114	40	4	-
2034	-	2,317	50	6,850	(104)	3,270	345	5	1,160	40	2	-
2035	-	2,057	50	7,417	(104)	3,270	357	5	1,190	40	-	-
2036	-	1,583	50	7,727	(105)	3,280	384	5	1,177	40	-	-
2037	-	1,922	50	7,637	(135)	3,270	401	5	1,087	39	-	-
2038	-	1,792	50	7,577	(156)	3,204	408	5	993	39	-	-
2039	-	1,758	50	7,793	(156)	2,590	421	5	963	39	-	-
2040	-	1,680	50	8,235	(154)	2,598	435	5	953	39	-	-

NIPSCO Replacement 3B

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,433	3,164	50	-	-	1,949	22	-	139	141	-	-
2022	6,592	2,408	50	58	(0)	2,844	47	-	266	147	-	-
2023	4,399	2,254	50	2,746	(5)	2,910	69	-	395	147	-	-
2024	2,730	2,457	50	5,129	(20)	3,357	92	-	498	148	24	-
2025	2,383	1,917	50	5,091	(21)	3,270	118	-	587	147	11	-
2026	1,134	1,730	50	5,282	(23)	3,270	151	6	671	147	9	-
2027	-	2,012	50	5,255	(24)	3,270	190	6	753	147	5	-
2028	-	1,625	50	5,237	(27)	3,280	202	5	822	147	2	-
2029	-	1,895	50	5,167	(30)	3,270	221	5	877	41	4	-
2030	-	1,855	50	5,503	(30)	3,270	255	5	939	40	4	-
2031	-	2,222	50	5,706	(31)	3,270	281	5	1,000	40	5	-
2032	-	2,540	50	5,642	(32)	3,280	304	5	1,062	40	6	-
2033	-	2,625	50	5,586	(31)	3,270	324	5	1,114	40	4	-
2034	-	2,484	50	5,525	(31)	3,270	345	5	1,160	40	2	-
2035	-	2,219	50	6,103	(31)	3,270	357	5	1,190	40	-	-
2036	-	1,732	50	6,424	(32)	3,280	384	5	1,177	40	-	-
2037	-	2,074	50	6,348	(62)	3,270	401	5	1,087	39	-	-
2038	-	1,925	50	6,296	(83)	3,204	408	5	993	39	-	-
2039	-	1,884	50	6,517	(83)	2,590	421	5	963	39	-	-
2040	-	1,771	50	6,835	(82)	2,598	435	5	953	39	-	-

NIPSCO Replacement 3C

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,433	3,164	50	-	-	1,949	22	-	139	141	-	-
2022	6,592	2,408	50	58	(0)	2,844	47	-	266	147	-	-
2023	4,399	2,254	50	2,746	(5)	2,910	69	-	395	147	-	-
2024	2,730	2,457	50	5,129	(20)	3,357	92	-	498	148	-	-
2025	2,383	1,917	50	5,091	(21)	3,270	118	-	587	147	-	-
2026	1,134	3,297	50	5,065	(23)	3,270	151	6	671	147	-	-
2027	-	4,440	50	5,039	(24)	3,270	190	6	753	147	-	-
2028	-	3,960	50	5,022	(27)	3,280	202	5	822	147	-	-
2029	-	4,095	50	4,953	(30)	3,270	221	5	877	41	-	-
2030	-	4,025	50	4,900	(30)	3,270	255	5	939	40	-	-
2031	-	4,680	50	4,860	(31)	3,270	281	5	1,000	40	-	-
2032	-	5,269	50	4,798	(32)	3,280	304	5	1,062	40	-	-
2033	-	5,473	50	4,748	(31)	3,270	324	5	1,114	40	-	-
2034	-	5,318	50	4,947	(31)	3,270	345	5	1,160	40	-	-
2035	-	4,650	50	5,053	(31)	3,270	357	5	1,190	40	-	-
2036	-	4,029	50	4,977	(47)	3,280	384	5	1,177	40	-	-
2037	-	4,338	50	4,911	(57)	3,270	401	5	1,087	39	-	-
2038	-	4,180	50	4,866	(57)	3,204	408	5	993	39	-	-
2039	-	4,022	50	5,094	(57)	2,590	421	5	963	39	-	-
2040	-	3,874	50	5,418	(57)	2,598	435	5	953	39	-	-

NIPSCO Replacement 3D

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,433	3,164	50	-	-	1,949	22	-	139	141	-	-
2022	6,592	2,408	50	58	(0)	2,844	47	-	266	147	-	-
2023	4,399	2,254	50	2,746	(5)	2,910	69	-	395	147	-	-
2024	2,730	2,457	50	5,129	(20)	3,357	92	-	498	148	-	-
2025	2,383	1,917	50	5,092	(21)	3,270	118	-	587	147	-	-
2026	1,134	1,650	50	6,583	(49)	3,270	151	6	671	147	-	-
2027	-	1,950	50	6,550	(81)	3,270	190	6	753	147	-	-
2028	-	1,569	50	6,528	(88)	3,280	202	5	822	147	-	-
2029	-	1,804	50	6,443	(98)	3,270	221	5	877	41	-	-
2030	-	1,757	50	6,897	(98)	3,270	255	5	939	40	-	-
2031	-	2,093	50	7,174	(104)	3,270	281	5	1,000	40	-	-
2032	-	2,352	50	7,096	(106)	3,280	304	5	1,062	40	-	-
2033	-	2,445	50	7,410	(105)	3,270	324	5	1,114	40	-	-
2034	-	2,317	50	7,579	(134)	3,270	345	5	1,160	40	-	-
2035	-	2,057	50	7,698	(157)	3,270	357	5	1,190	40	-	-
2036	-	1,583	50	7,727	(156)	3,280	384	5	1,177	40	-	-
2037	-	1,922	50	7,637	(156)	3,270	401	5	1,087	39	-	-
2038	-	1,792	50	7,577	(156)	3,204	408	5	993	39	-	-
2039	-	1,758	50	7,793	(156)	2,590	421	5	963	39	-	-
2040	-	1,680	50	8,235	(154)	2,598	435	5	953	39	-	-

NIPSCO Replacement 3E

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,433	3,164	50	-	-	1,949	22	-	139	141	-	-
2022	6,592	2,408	50	58	(0)	2,844	47	-	266	147	-	-
2023	4,399	2,254	50	2,746	(5)	2,910	69	-	395	147	-	-
2024	2,730	2,457	50	5,129	(20)	3,357	92	-	498	148	24	-
2025	2,383	1,917	50	5,091	(48)	3,270	118	-	587	147	11	-
2026	1,134	1,650	50	5,607	(75)	3,270	151	6	671	147	9	-
2027	-	1,950	50	5,579	(128)	3,270	190	6	753	147	5	-
2028	-	1,569	50	5,560	(135)	3,280	202	5	822	147	2	-
2029	-	1,804	50	5,487	(147)	3,270	221	5	877	41	4	-
2030	-	1,757	50	5,822	(148)	3,270	255	5	939	40	4	-
2031	-	2,093	50	6,024	(158)	3,270	281	5	1,000	40	5	-
2032	-	2,352	50	5,958	(178)	3,280	304	5	1,062	40	6	-
2033	-	2,445	50	5,900	(185)	3,270	324	5	1,114	40	4	-
2034	-	2,317	50	5,837	(181)	3,270	345	5	1,160	40	2	-
2035	-	2,057	50	6,415	(181)	3,270	357	5	1,190	40	-	-
2036	-	1,583	50	6,734	(194)	3,280	384	5	1,177	40	-	-
2037	-	1,922	50	6,656	(220)	3,270	401	5	1,087	39	-	-
2038	-	1,792	50	6,602	(230)	3,204	408	5	993	39	-	-
2039	-	1,758	50	6,822	(231)	2,590	421	5	963	39	-	-
2040	-	1,680	50	7,139	(227)	2,598	435	5	953	39	-	-

NIPSCO Replacement 3F

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,433	3,164	50	-	-	1,949	22	-	139	141	-	-
2022	6,592	2,408	50	58	(0)	2,844	47	-	266	147	-	-
2023	4,399	2,254	50	2,746	(5)	2,910	69	-	395	147	-	-
2024	2,730	2,457	50	5,129	(20)	3,357	92	-	498	148	24	-
2025	2,383	1,917	50	5,091	(21)	3,270	118	-	587	147	11	-
2026	1,134	1,658	50	5,282	(23)	3,270	151	6	671	147	9	-
2027	-	1,965	50	5,255	(54)	3,270	190	6	753	147	5	-
2028	-	1,580	50	5,237	(58)	3,280	202	5	822	147	2	-
2029	-	1,832	50	5,167	(64)	3,270	221	5	877	41	4	-
2030	-	1,786	50	5,503	(64)	3,270	255	5	939	40	4	-
2031	-	2,132	50	5,706	(68)	3,270	281	5	1,000	40	5	-
2032	-	2,408	50	5,642	(69)	3,280	304	5	1,062	40	6	-
2033	-	2,494	50	5,586	(68)	3,270	324	5	1,114	40	4	-
2034	-	2,358	50	5,525	(67)	3,270	345	5	1,160	40	2	-
2035	-	2,104	50	6,103	(67)	3,270	357	5	1,190	40	-	-
2036	-	1,626	50	6,424	(67)	3,280	384	5	1,177	40	-	-
2037	-	1,962	50	6,348	(97)	3,270	401	5	1,087	39	-	-
2038	-	1,822	50	6,296	(118)	3,204	408	5	993	39	-	-
2039	-	1,783	50	6,517	(118)	2,590	421	5	963	39	-	-
2040	-	1,694	50	6,835	(116)	2,598	435	5	953	39	-	-

NIPSCO Replacement 3G

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,433	3,164	50	-	-	1,949	22	-	139	141	-	-
2022	6,592	2,408	50	58	(0)	2,844	47	-	266	147	-	-
2023	4,399	2,254	50	2,746	(5)	2,910	69	-	395	147	-	-
2024	2,730	2,457	50	5,129	(20)	3,357	92	-	498	148	-	-
2025	2,383	1,917	50	5,092	(21)	3,270	118	-	587	147	-	-
2026	1,134	1,650	50	6,692	(49)	3,270	151	6	671	147	-	-
2027	-	1,509	50	6,658	(81)	3,270	190	6	753	147	-	-
2028	-	1,197	50	6,635	(88)	3,280	202	5	822	147	-	-
2029	-	1,469	50	6,549	(98)	3,270	221	5	877	41	-	-
2030	-	1,473	50	7,004	(98)	3,270	255	5	939	40	-	-
2031	-	1,764	50	7,280	(104)	3,270	281	5	1,000	40	-	-
2032	-	657	50	8,491	(154)	3,280	304	5	1,062	40	-	-
2033	-	-	50	9,609	(186)	3,270	324	5	1,114	40	-	-
2034	-	-	50	10,149	(183)	3,270	345	5	1,160	40	-	-
2035	-	-	50	10,943	(183)	3,270	357	5	1,190	40	-	-
2036	-	-	50	11,241	(182)	3,280	384	5	1,177	40	-	-
2037	-	-	50	11,125	(197)	3,270	401	5	1,087	39	-	-
2038	-	-	50	11,051	(207)	3,204	408	5	993	39	-	-
2039	-	-	50	11,124	(208)	2,590	421	5	963	39	-	-
2040	-	-	50	11,351	(205)	2,598	435	5	953	39	-	-

NIPSCO Replacement 3H

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,433	3,164	50	-	-	1,949	22	-	139	141	-	-
2022	6,592	2,408	50	58	(0)	2,844	47	-	266	147	-	-
2023	4,399	2,254	50	2,746	(5)	2,910	69	-	395	147	-	-
2024	2,730	2,457	50	5,129	(20)	3,357	92	-	498	148	-	-
2025	2,383	1,917	50	5,091	(68)	3,270	118	-	587	147	-	-
2026	1,134	1,650	50	5,607	(96)	3,894	151	6	671	147	-	-
2027	-	1,509	50	5,579	(150)	3,894	190	6	753	147	-	-
2028	-	1,197	50	5,560	(158)	3,906	202	5	822	147	-	-
2029	-	1,469	50	5,487	(172)	3,894	221	5	877	41	-	-
2030	-	1,473	50	5,953	(173)	3,894	255	5	939	40	-	-
2031	-	1,764	50	6,235	(185)	3,894	281	5	1,000	40	-	-
2032	-	657	50	7,201	(284)	3,906	304	5	1,062	40	-	-
2033	-	-	50	7,784	(347)	3,894	324	5	1,114	40	-	-
2034	-	-	50	7,712	(339)	3,894	345	5	1,160	40	-	-
2035	-	-	50	8,281	(338)	3,894	357	5	1,190	40	-	-
2036	-	-	50	8,594	(349)	3,906	384	5	1,177	40	-	-
2037	-	-	50	8,502	(374)	3,894	401	5	1,087	39	-	-
2038	-	-	50	8,441	(385)	3,828	408	5	993	39	-	-
2039	-	-	50	8,651	(386)	3,214	421	5	963	39	-	-
2040	-	-	50	8,962	(379)	3,224	435	5	953	39	-	-

NIPSCO Replacement 3I

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,433	3,164	50	-	-	1,949	22	-	139	141	-	-
2022	6,592	2,408	50	58	(0)	2,844	47	-	266	147	-	-
2023	4,399	2,254	50	2,746	(5)	2,910	69	-	395	147	-	-
2024	2,730	2,457	50	5,129	(20)	3,357	92	-	498	148	-	0
2025	2,383	1,962	50	5,091	(68)	3,270	118	-	587	147	-	79
2026	1,134	45	50	5,607	(75)	3,894	151	6	671	147	-	79
2027	-	1,955	50	5,579	(106)	3,894	190	6	753	147	-	134
2028	-	1,575	50	5,560	(112)	3,906	202	5	822	147	-	125
2029	-	1,823	50	5,487	(122)	3,894	221	5	877	41	-	134
2030	-	1,777	50	5,953	(123)	3,894	255	5	939	40	-	131
2031	-	2,122	50	6,235	(131)	3,894	281	5	1,000	40	-	134
2032	-	2,406	50	6,169	(134)	3,906	304	5	1,062	40	-	134
2033	-	2,427	50	6,109	(131)	3,894	324	5	1,114	40	-	212
2034	-	2,291	50	6,046	(129)	3,894	345	5	1,160	40	-	202
2035	-	2,033	50	6,622	(128)	3,894	357	5	1,190	40	-	204
2036	-	1,565	50	6,940	(127)	3,906	384	5	1,177	40	-	191
2037	-	1,900	50	6,861	(142)	3,894	401	5	1,087	39	-	200
2038	-	1,830	50	6,807	(153)	3,828	408	5	993	39	-	189
2039	-	2,066	50	7,025	(153)	3,214	421	5	963	39	-	190
2040	-	2,412	50	7,342	(151)	3,224	435	5	953	39	-	175

Status Quo Extended

NIPSCO Replacement 3A

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,416	3,162	50	-	-	1,949	10	-	139	141	-	-
2022	5,858	3,121	50	58	(0)	2,844	19	-	266	147	-	-
2023	4,027	3,870	50	2,746	(5)	2,910	26	-	395	147	-	-
2024	2,749	3,967	50	5,129	(21)	3,357	29	-	498	148	93	-
2025	2,362	3,955	50	5,092	(23)	3,270	32	-	587	147	150	-
2026	1,073	3,743	50	6,258	(51)	3,270	36	6	671	147	136	-
2027	-	4,279	50	6,226	(86)	3,270	41	6	753	147	113	-
2028	-	3,499	50	6,209	(92)	3,280	45	5	822	147	106	-
2029	-	4,171	50	6,163	(94)	3,270	50	5	877	41	106	-
2030	-	3,949	50	6,658	(95)	3,270	52	5	939	40	102	-
2031	-	4,032	50	6,952	(97)	3,270	54	5	1,000	40	93	-
2032	-	4,016	50	7,061	(99)	3,280	59	5	1,062	40	89	-
2033	-	3,954	50	7,086	(103)	3,269	62	5	1,114	40	84	-
2034	-	3,796	50	7,052	(104)	3,270	63	5	1,160	40	30	-
2035	-	3,867	50	7,657	(104)	3,270	66	5	1,190	40	-	-
2036	-	3,184	50	8,034	(105)	3,280	73	5	1,177	40	-	-
2037	-	3,826	50	7,973	(136)	3,270	75	5	1,087	39	-	-
2038	-	3,622	50	7,939	(163)	3,204	79	5	993	39	-	-
2039	-	3,843	50	8,145	(165)	2,590	85	5	963	39	-	-
2040	-	3,890	50	8,524	(164)	2,598	98	5	953	39	-	-

Zonal_SQE
NIPSCO Replacement 3B

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,416	3,162	50	-	-	1,949	10	-	139	141	-	-
2022	5,858	3,121	50	58	(0)	2,844	19	-	266	147	-	-
2023	4,027	3,870	50	2,746	(5)	2,910	26	-	395	147	-	-
2024	2,749	3,967	50	5,129	(21)	3,357	29	-	498	148	93	-
2025	2,362	3,955	50	5,091	(23)	3,270	32	-	587	147	150	-
2026	1,073	4,541	50	5,282	(24)	3,270	36	6	671	147	136	-
2027	-	4,944	50	5,255	(25)	3,270	41	6	753	147	113	-
2028	-	4,138	50	5,241	(27)	3,280	45	5	822	147	106	-
2029	-	4,834	50	5,202	(28)	3,270	50	5	877	41	106	-
2030	-	4,582	50	5,571	(28)	3,270	52	5	939	40	102	-
2031	-	4,630	50	5,788	(29)	3,270	54	5	1,000	40	93	-
2032	-	4,586	50	5,772	(29)	3,280	59	5	1,062	40	89	-
2033	-	4,541	50	5,725	(30)	3,269	62	5	1,114	40	84	-
2034	-	4,355	50	5,698	(31)	3,270	63	5	1,160	40	30	-
2035	-	4,442	50	6,309	(31)	3,270	66	5	1,190	40	-	-
2036	-	3,715	50	6,691	(31)	3,280	73	5	1,177	40	-	-
2037	-	4,348	50	6,639	(62)	3,270	75	5	1,087	39	-	-
2038	-	4,127	50	6,611	(88)	3,204	79	5	993	39	-	-
2039	-	4,412	50	6,824	(89)	2,590	85	5	963	39	-	-
2040	-	4,448	50	7,084	(88)	2,598	98	5	953	39	-	-

Zonal_SQE
NIPSCO Replacement 3C

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,416	3,162	50	-	-	1,949	10	-	139	141	-	-
2022	5,858	3,121	50	58	(0)	2,844	19	-	266	147	-	-
2023	4,027	3,870	50	2,746	(5)	2,910	26	-	395	147	-	-
2024	2,749	3,967	50	5,129	(21)	3,357	29	-	498	148	-	-
2025	2,362	3,955	50	5,091	(23)	3,270	32	-	587	147	-	-
2026	1,073	6,685	50	5,065	(24)	3,270	36	6	671	147	-	-
2027	-	9,015	50	5,039	(25)	3,270	41	6	753	147	-	-
2028	-	8,223	50	5,026	(27)	3,280	45	5	822	147	-	-
2029	-	8,817	50	4,988	(28)	3,270	50	5	877	41	-	-
2030	-	8,553	50	4,967	(28)	3,270	52	5	939	40	-	-
2031	-	8,499	50	4,942	(29)	3,270	54	5	1,000	40	-	-
2032	-	8,457	50	4,928	(29)	3,280	59	5	1,062	40	-	-
2033	-	8,364	50	4,888	(30)	3,269	62	5	1,114	40	-	-
2034	-	8,186	50	5,120	(31)	3,270	63	5	1,160	40	-	-
2035	-	8,123	50	5,259	(31)	3,270	66	5	1,190	40	-	-
2036	-	7,380	50	5,244	(46)	3,280	73	5	1,177	40	-	-
2037	-	8,046	50	5,203	(59)	3,270	75	5	1,087	39	-	-
2038	-	7,799	50	5,181	(59)	3,204	79	5	993	39	-	-
2039	-	8,122	50	5,402	(60)	2,590	85	5	963	39	-	-
2040	-	8,212	50	5,666	(60)	2,598	98	5	953	39	-	-

Zonal_SQE
NIPSCO Replacement 3D

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,416	3,162	50	-	-	1,949	10	-	139	141	-	-
2022	5,858	3,121	50	58	(0)	2,844	19	-	266	147	-	-
2023	4,027	3,870	50	2,746	(5)	2,910	26	-	395	147	-	-
2024	2,749	3,967	50	5,129	(21)	3,357	29	-	498	148	-	-
2025	2,362	3,955	50	5,092	(23)	3,270	32	-	587	147	-	-
2026	1,073	3,743	50	6,583	(51)	3,270	36	6	671	147	-	-
2027	-	4,279	50	6,550	(86)	3,270	41	6	753	147	-	-
2028	-	3,499	50	6,532	(92)	3,280	45	5	822	147	-	-
2029	-	4,171	50	6,483	(94)	3,270	50	5	877	41	-	-
2030	-	3,949	50	6,977	(95)	3,270	52	5	939	40	-	-
2031	-	4,032	50	7,269	(97)	3,270	54	5	1,000	40	-	-
2032	-	4,016	50	7,248	(99)	3,280	59	5	1,062	40	-	-
2033	-	3,954	50	7,575	(103)	3,269	62	5	1,114	40	-	-
2034	-	3,796	50	7,781	(136)	3,270	63	5	1,160	40	-	-
2035	-	3,867	50	7,938	(159)	3,270	66	5	1,190	40	-	-
2036	-	3,184	50	8,034	(160)	3,280	73	5	1,177	40	-	-
2037	-	3,826	50	7,973	(160)	3,270	75	5	1,087	39	-	-
2038	-	3,622	50	7,939	(163)	3,204	79	5	993	39	-	-
2039	-	3,843	50	8,145	(165)	2,590	85	5	963	39	-	-
2040	-	3,890	50	8,524	(164)	2,598	98	5	953	39	-	-

Zonal_SQE
NIPSCO Replacement 3E

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,416	3,162	50	-	-	1,949	10	-	139	141	-	-
2022	5,858	3,121	50	58	(0)	2,844	19	-	266	147	-	-
2023	4,027	3,870	50	2,746	(5)	2,910	26	-	395	147	-	-
2024	2,749	3,967	50	5,129	(21)	3,357	29	-	498	148	93	-
2025	2,362	3,955	50	5,091	(53)	3,270	32	-	587	147	150	-
2026	1,073	3,743	50	5,607	(80)	3,270	36	6	671	147	136	-
2027	-	4,279	50	5,579	(140)	3,270	41	6	753	147	113	-
2028	-	3,499	50	5,564	(146)	3,280	45	5	822	147	106	-
2029	-	4,171	50	5,522	(149)	3,270	50	5	877	41	106	-
2030	-	3,949	50	5,890	(149)	3,270	52	5	939	40	102	-
2031	-	4,032	50	6,105	(152)	3,270	54	5	1,000	40	93	-
2032	-	4,016	50	6,088	(170)	3,280	59	5	1,062	40	89	-
2033	-	3,954	50	6,039	(190)	3,269	62	5	1,114	40	84	-
2034	-	3,796	50	6,010	(192)	3,270	63	5	1,160	40	30	-
2035	-	3,867	50	6,620	(188)	3,270	66	5	1,190	40	-	-
2036	-	3,184	50	7,001	(205)	3,280	73	5	1,177	40	-	-
2037	-	3,826	50	6,947	(232)	3,270	75	5	1,087	39	-	-
2038	-	3,622	50	6,917	(251)	3,204	79	5	993	39	-	-
2039	-	3,843	50	7,129	(254)	2,590	85	5	963	39	-	-
2040	-	3,890	50	7,388	(250)	2,598	98	5	953	39	-	-

Zonal_SQE
NIPSCO Replacement 3F

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,416	3,162	50	-	-	1,949	10	-	139	141	-	-
2022	5,858	3,121	50	58	(0)	2,844	19	-	266	147	-	-
2023	4,027	3,870	50	2,746	(5)	2,910	26	-	395	147	-	-
2024	2,749	3,967	50	5,129	(21)	3,357	29	-	498	148	93	-
2025	2,362	3,955	50	5,091	(23)	3,270	32	-	587	147	150	-
2026	1,073	3,940	50	5,282	(24)	3,270	36	6	671	147	136	-
2027	-	4,518	50	5,255	(58)	3,270	41	6	753	147	113	-
2028	-	3,737	50	5,241	(61)	3,280	45	5	822	147	106	-
2029	-	4,421	50	5,202	(63)	3,270	50	5	877	41	106	-
2030	-	4,191	50	5,571	(63)	3,270	52	5	939	40	102	-
2031	-	4,253	50	5,788	(64)	3,270	54	5	1,000	40	93	-
2032	-	4,223	50	5,772	(65)	3,280	59	5	1,062	40	89	-
2033	-	4,167	50	5,725	(68)	3,269	62	5	1,114	40	84	-
2034	-	4,003	50	5,698	(69)	3,270	63	5	1,160	40	30	-
2035	-	4,084	50	6,309	(68)	3,270	66	5	1,190	40	-	-
2036	-	3,382	50	6,691	(68)	3,280	73	5	1,177	40	-	-
2037	-	4,017	50	6,639	(100)	3,270	75	5	1,087	39	-	-
2038	-	3,801	50	6,611	(126)	3,204	79	5	993	39	-	-
2039	-	4,044	50	6,824	(128)	2,590	85	5	963	39	-	-
2040	-	4,090	50	7,084	(127)	2,598	98	5	953	39	-	-

Zonal_SQE
NIPSCO Replacement 3G

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,416	3,162	50	-	-	1,949	10	-	139	141	-	-
2022	5,858	3,121	50	58	(0)	2,844	19	-	266	147	-	-
2023	4,027	3,870	50	2,746	(5)	2,910	26	-	395	147	-	-
2024	2,749	3,967	50	5,129	(21)	3,357	29	-	498	148	-	-
2025	2,362	3,955	50	5,092	(23)	3,270	32	-	587	147	-	-
2026	1,073	3,743	50	6,692	(51)	3,270	36	6	671	147	-	-
2027	-	3,834	50	6,658	(86)	3,270	41	6	753	147	-	-
2028	-	3,137	50	6,639	(92)	3,280	45	5	822	147	-	-
2029	-	3,735	50	6,590	(94)	3,270	50	5	877	41	-	-
2030	-	3,551	50	7,084	(95)	3,270	52	5	939	40	-	-
2031	-	3,588	50	7,375	(97)	3,270	54	5	1,000	40	-	-
2032	-	1,453	50	8,643	(144)	3,280	59	5	1,062	40	-	-
2033	-	-	50	9,774	(187)	3,269	62	5	1,114	40	-	-
2034	-	-	50	10,350	(189)	3,270	63	5	1,160	40	-	-
2035	-	-	50	11,183	(187)	3,270	66	5	1,190	40	-	-
2036	-	-	50	11,549	(188)	3,280	73	5	1,177	40	-	-
2037	-	-	50	11,462	(203)	3,270	75	5	1,087	39	-	-
2038	-	-	50	11,412	(220)	3,204	79	5	993	39	-	-
2039	-	-	50	11,475	(223)	2,590	85	5	963	39	-	-
2040	-	-	50	11,641	(221)	2,598	98	5	953	39	-	-

Zonal_SQE
NIPSCO Replacement 3H

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,416	3,162	50	-	-	1,949	10	-	139	141	-	-
2022	5,858	3,121	50	58	(0)	2,844	19	-	266	147	-	-
2023	4,027	3,870	50	2,746	(5)	2,910	26	-	395	147	-	-
2024	2,749	3,967	50	5,129	(21)	3,357	29	-	498	148	-	-
2025	2,362	3,955	50	5,091	(75)	3,270	32	-	587	147	-	-
2026	1,073	3,743	50	5,607	(103)	3,894	36	6	671	147	-	-
2027	-	3,834	50	5,579	(164)	3,894	41	6	753	147	-	-
2028	-	3,137	50	5,564	(172)	3,906	45	5	822	147	-	-
2029	-	3,735	50	5,522	(174)	3,894	50	5	877	41	-	-
2030	-	3,551	50	6,020	(175)	3,894	52	5	939	40	-	-
2031	-	3,588	50	6,317	(178)	3,894	54	5	1,000	40	-	-
2032	-	1,453	50	7,331	(272)	3,906	59	5	1,062	40	-	-
2033	-	-	50	7,923	(358)	3,893	62	5	1,114	40	-	-
2034	-	-	50	7,885	(361)	3,894	63	5	1,160	40	-	-
2035	-	-	50	8,487	(354)	3,894	66	5	1,190	40	-	-
2036	-	-	50	8,861	(373)	3,906	73	5	1,177	40	-	-
2037	-	-	50	8,794	(399)	3,894	75	5	1,087	39	-	-
2038	-	-	50	8,756	(422)	3,828	79	5	993	39	-	-
2039	-	-	50	8,958	(427)	3,214	85	5	963	39	-	-
2040	-	-	50	9,210	(421)	3,224	98	5	953	39	-	-

Zonal_SQE
NIPSCO Replacement 3I

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,416	3,162	50	-	-	1,949	10	-	139	141	-	-
2022	5,858	3,121	50	58	(0)	2,844	19	-	266	147	-	-
2023	4,027	3,870	50	2,746	(5)	2,910	26	-	395	147	-	-
2024	2,749	3,967	50	5,129	(21)	3,357	29	-	498	148	-	-
2025	2,362	4,312	50	5,091	(75)	3,270	32	-	587	147	-	-
2026	1,073	430	50	5,607	(80)	3,894	36	6	671	147	-	-
2027	-	4,511	50	5,579	(115)	3,894	41	6	753	147	-	55
2028	-	3,730	50	5,564	(121)	3,906	45	5	822	147	-	46
2029	-	4,402	50	5,522	(123)	3,894	50	5	877	41	-	55
2030	-	4,170	50	6,020	(123)	3,894	52	5	939	40	-	52
2031	-	4,234	50	6,317	(126)	3,894	54	5	1,000	40	-	55
2032	-	4,212	50	6,299	(128)	3,906	59	5	1,062	40	-	55
2033	-	4,158	50	6,248	(134)	3,893	62	5	1,114	40	-	55
2034	-	3,990	50	6,218	(135)	3,894	63	5	1,160	40	-	52
2035	-	4,068	50	6,828	(133)	3,894	66	5	1,190	40	-	55
2036	-	3,374	50	7,208	(134)	3,906	73	5	1,177	40	-	46
2037	-	4,005	50	7,152	(149)	3,894	75	5	1,087	39	-	55
2038	-	3,796	50	7,122	(165)	3,828	79	5	993	39	-	52
2039	-	4,043	50	7,332	(167)	3,214	85	5	963	39	-	55
2040	-	4,084	50	7,590	(165)	3,224	98	5	953	39	-	55

Economy-Wide Decarbonization

NIPSCO Replacement 3A

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,459	3,187	50	-	-	1,949	20	-	139	141	-	-
2022	5,987	2,865	50	58	(0)	2,844	44	-	266	147	-	-
2023	4,239	3,018	50	2,746	(2)	2,910	63	-	395	147	-	-
2024	2,894	2,883	50	5,129	(12)	3,357	82	-	498	148	40	-
2025	2,574	2,682	50	5,092	(17)	3,270	109	-	587	147	38	-
2026	1,174	2,415	50	6,258	(38)	3,270	133	6	671	147	28	-
2027	-	2,612	50	6,226	(73)	3,270	161	6	753	147	24	-
2028	-	1,935	50	6,209	(75)	3,280	194	5	822	147	17	-
2029	-	2,175	50	6,163	(69)	3,270	222	5	877	41	21	-
2030	-	2,167	50	6,658	(73)	3,270	253	5	939	40	22	-
2031	-	2,472	50	6,952	(77)	3,270	274	5	1,000	40	27	-
2032	-	2,485	50	7,061	(76)	3,280	281	5	1,062	40	26	-
2033	-	2,389	50	7,089	(77)	3,270	283	5	1,114	40	24	-
2034	-	2,535	50	7,052	(78)	3,270	287	5	1,160	40	8	-
2035	-	2,909	50	7,657	(79)	3,270	293	5	1,190	40	-	-
2036	-	2,395	50	8,034	(76)	3,280	305	5	1,177	40	-	-
2037	-	3,275	50	7,973	(99)	3,270	310	5	1,087	39	-	-
2038	-	3,316	50	7,939	(121)	3,204	315	5	993	39	-	-
2039	-	3,467	50	8,145	(129)	2,590	320	5	963	39	-	-
2040	-	3,487	50	8,524	(126)	2,598	326	5	953	39	-	-

NIPSCO Replacement 3B

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,459	3,187	50	-	-	1,949	20	-	139	141	-	-
2022	5,987	2,865	50	58	(0)	2,844	44	-	266	147	-	-
2023	4,239	3,018	50	2,746	(2)	2,910	63	-	395	147	-	-
2024	2,894	2,883	50	5,129	(12)	3,357	82	-	498	148	40	-
2025	2,574	2,682	50	5,091	(17)	3,270	109	-	587	147	38	-
2026	1,174	2,602	50	5,282	(17)	3,270	133	6	671	147	28	-
2027	-	2,770	50	5,255	(17)	3,270	161	6	753	147	24	-
2028	-	2,068	50	5,241	(17)	3,280	194	5	822	147	17	-
2029	-	2,379	50	5,202	(14)	3,270	222	5	877	41	21	-
2030	-	2,394	50	5,571	(16)	3,270	253	5	939	40	22	-
2031	-	2,768	50	5,788	(18)	3,270	274	5	1,000	40	27	-
2032	-	2,780	50	5,772	(17)	3,280	281	5	1,062	40	26	-
2033	-	2,657	50	5,728	(16)	3,270	283	5	1,114	40	24	-
2034	-	2,836	50	5,698	(18)	3,270	287	5	1,160	40	8	-
2035	-	3,306	50	6,309	(19)	3,270	293	5	1,190	40	-	-
2036	-	2,775	50	6,691	(18)	3,280	305	5	1,177	40	-	-
2037	-	3,767	50	6,639	(45)	3,270	310	5	1,087	39	-	-
2038	-	3,925	50	6,611	(67)	3,204	315	5	993	39	-	-
2039	-	4,101	50	6,824	(71)	2,590	320	5	963	39	-	-
2040	-	4,130	50	7,084	(69)	2,598	326	5	953	39	-	-

NIPSCO Replacement 3C

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,459	3,187	50	-	-	1,949	20	-	139	141	-	-
2022	5,987	2,865	50	58	(0)	2,844	44	-	266	147	-	-
2023	4,239	3,018	50	2,746	(2)	2,910	63	-	395	147	-	-
2024	2,894	2,883	50	5,129	(12)	3,357	82	-	498	148	-	-
2025	2,574	2,682	50	5,091	(17)	3,270	109	-	587	147	-	-
2026	1,174	4,472	50	5,065	(17)	3,270	133	6	671	147	-	-
2027	-	5,656	50	5,039	(17)	3,270	161	6	753	147	-	-
2028	-	4,634	50	5,026	(17)	3,280	194	5	822	147	-	-
2029	-	4,702	50	4,988	(14)	3,270	222	5	877	41	-	-
2030	-	4,769	50	4,967	(16)	3,270	253	5	939	40	-	-
2031	-	5,366	50	4,942	(18)	3,270	274	5	1,000	40	-	-
2032	-	5,359	50	4,928	(17)	3,280	281	5	1,062	40	-	-
2033	-	5,190	50	4,890	(16)	3,270	283	5	1,114	40	-	-
2034	-	5,585	50	5,120	(18)	3,270	287	5	1,160	40	-	-
2035	-	6,228	50	5,259	(19)	3,270	293	5	1,190	40	-	-
2036	-	5,773	50	5,244	(33)	3,280	305	5	1,177	40	-	-
2037	-	7,037	50	5,203	(41)	3,270	310	5	1,087	39	-	-
2038	-	7,219	50	5,181	(41)	3,204	315	5	993	39	-	-
2039	-	7,395	50	5,402	(45)	2,590	320	5	963	39	-	-
2040	-	7,451	50	5,666	(44)	2,598	326	5	953	39	-	-

NIPSCO Replacement 3D

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,459	3,187	50	-	-	1,949	20	-	139	141	-	-
2022	5,987	2,865	50	58	(0)	2,844	44	-	266	147	-	-
2023	4,239	3,018	50	2,746	(2)	2,910	63	-	395	147	-	-
2024	2,894	2,883	50	5,129	(12)	3,357	82	-	498	148	-	-
2025	2,574	2,682	50	5,092	(17)	3,270	109	-	587	147	-	-
2026	1,174	2,415	50	6,583	(38)	3,270	133	6	671	147	-	-
2027	-	2,612	50	6,550	(73)	3,270	161	6	753	147	-	-
2028	-	1,935	50	6,532	(75)	3,280	194	5	822	147	-	-
2029	-	2,175	50	6,483	(69)	3,270	222	5	877	41	-	-
2030	-	2,167	50	6,977	(73)	3,270	253	5	939	40	-	-
2031	-	2,472	50	7,269	(77)	3,270	274	5	1,000	40	-	-
2032	-	2,485	50	7,248	(76)	3,280	281	5	1,062	40	-	-
2033	-	2,389	50	7,578	(77)	3,270	283	5	1,114	40	-	-
2034	-	2,535	50	7,781	(110)	3,270	287	5	1,160	40	-	-
2035	-	2,909	50	7,938	(133)	3,270	293	5	1,190	40	-	-
2036	-	2,395	50	8,034	(130)	3,280	305	5	1,177	40	-	-
2037	-	3,275	50	7,973	(121)	3,270	310	5	1,087	39	-	-
2038	-	3,316	50	7,939	(121)	3,204	315	5	993	39	-	-
2039	-	3,467	50	8,145	(129)	2,590	320	5	963	39	-	-
2040	-	3,487	50	8,524	(126)	2,598	326	5	953	39	-	-

NIPSCO Replacement 3E

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,459	3,187	50	-	-	1,949	20	-	139	141	-	-
2022	5,987	2,865	50	58	(0)	2,844	44	-	266	147	-	-
2023	4,239	3,018	50	2,746	(2)	2,910	63	-	395	147	-	-
2024	2,894	2,883	50	5,129	(12)	3,357	82	-	498	148	40	-
2025	2,574	2,682	50	5,091	(51)	3,270	109	-	587	147	38	-
2026	1,174	2,415	50	5,607	(79)	3,270	133	6	671	147	28	-
2027	-	2,612	50	5,579	(143)	3,270	161	6	753	147	24	-
2028	-	1,935	50	5,564	(147)	3,280	194	5	822	147	17	-
2029	-	2,175	50	5,522	(147)	3,270	222	5	877	41	21	-
2030	-	2,167	50	5,890	(150)	3,270	253	5	939	40	22	-
2031	-	2,472	50	6,105	(151)	3,270	274	5	1,000	40	27	-
2032	-	2,485	50	6,088	(167)	3,280	281	5	1,062	40	26	-
2033	-	2,389	50	6,042	(184)	3,270	283	5	1,114	40	24	-
2034	-	2,535	50	6,010	(180)	3,270	287	5	1,160	40	8	-
2035	-	2,909	50	6,620	(174)	3,270	293	5	1,190	40	-	-
2036	-	2,395	50	7,001	(188)	3,280	305	5	1,177	40	-	-
2037	-	3,275	50	6,947	(206)	3,270	310	5	1,087	39	-	-
2038	-	3,316	50	6,917	(216)	3,204	315	5	993	39	-	-
2039	-	3,467	50	7,129	(220)	2,590	320	5	963	39	-	-
2040	-	3,487	50	7,388	(216)	2,598	326	5	953	39	-	-

NIPSCO Replacement 3F

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,459	3,187	50	-	-	1,949	20	-	139	141	-	-
2022	5,987	2,865	50	58	(0)	2,844	44	-	266	147	-	-
2023	4,239	3,018	50	2,746	(2)	2,910	63	-	395	147	-	-
2024	2,894	2,883	50	5,129	(12)	3,357	82	-	498	148	40	-
2025	2,574	2,682	50	5,091	(17)	3,270	109	-	587	147	38	-
2026	1,174	2,450	50	5,282	(17)	3,270	133	6	671	147	28	-
2027	-	2,663	50	5,255	(53)	3,270	161	6	753	147	24	-
2028	-	1,977	50	5,241	(54)	3,280	194	5	822	147	17	-
2029	-	2,246	50	5,202	(52)	3,270	222	5	877	41	21	-
2030	-	2,248	50	5,571	(54)	3,270	253	5	939	40	22	-
2031	-	2,572	50	5,788	(56)	3,270	274	5	1,000	40	27	-
2032	-	2,584	50	5,772	(55)	3,280	281	5	1,062	40	26	-
2033	-	2,474	50	5,728	(56)	3,270	283	5	1,114	40	24	-
2034	-	2,629	50	5,698	(56)	3,270	287	5	1,160	40	8	-
2035	-	3,040	50	6,309	(56)	3,270	293	5	1,190	40	-	-
2036	-	2,525	50	6,691	(55)	3,280	305	5	1,177	40	-	-
2037	-	3,452	50	6,639	(80)	3,270	310	5	1,087	39	-	-
2038	-	3,532	50	6,611	(103)	3,204	315	5	993	39	-	-
2039	-	3,699	50	6,824	(106)	2,590	320	5	963	39	-	-
2040	-	3,714	50	7,084	(104)	2,598	326	5	953	39	-	-

NIPSCO Replacement 3G

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,459	3,187	50	-	-	1,949	20	-	139	141	-	-
2022	5,987	2,865	50	58	(0)	2,844	44	-	266	147	-	-
2023	4,239	3,018	50	2,746	(2)	2,910	63	-	395	147	-	-
2024	2,894	2,883	50	5,129	(12)	3,357	82	-	498	148	-	-
2025	2,574	2,682	50	5,092	(17)	3,270	109	-	587	147	-	-
2026	1,174	2,415	50	6,692	(38)	3,270	133	6	671	147	-	-
2027	-	2,238	50	6,658	(73)	3,270	161	6	753	147	-	-
2028	-	1,642	50	6,639	(75)	3,280	194	5	822	147	-	-
2029	-	1,827	50	6,590	(69)	3,270	222	5	877	41	-	-
2030	-	1,839	50	7,084	(73)	3,270	253	5	939	40	-	-
2031	-	2,112	50	7,375	(77)	3,270	274	5	1,000	40	-	-
2032	-	711	50	8,643	(124)	3,280	281	5	1,062	40	-	-
2033	-	-	50	9,777	(165)	3,270	283	5	1,114	40	-	-
2034	-	-	50	10,350	(163)	3,270	287	5	1,160	40	-	-
2035	-	-	50	11,183	(160)	3,270	293	5	1,190	40	-	-
2036	-	-	50	11,549	(157)	3,280	305	5	1,177	40	-	-
2037	-	-	50	11,462	(162)	3,270	310	5	1,087	39	-	-
2038	-	-	50	11,412	(173)	3,204	315	5	993	39	-	-
2039	-	-	50	11,475	(181)	2,590	320	5	963	39	-	-
2040	-	-	50	11,641	(177)	2,598	326	5	953	39	-	-

NIPSCO Replacement 3H

	Coal	Natural Gas	Hydro	Solar	Storage	Wind	Customer-Owned DER	Utility-Owned DER	DSM	FIT	Other Thermal	Hydrogen
2021	7,459	3,187	50	-	-	1,949	20	-	139	141	-	-
2022	5,987	2,865	50	58	(0)	2,844	44	-	266	147	-	-
2023	4,239	3,018	50	2,746	(2)	2,910	63	-	395	147	-	-
2024	2,894	2,883	50	5,129	(12)	3,357	82	-	498	148	-	-
2025	2,574	2,682	50	5,091	(76)	3,270	109	-	587	147	-	-
2026	1,174	2,415	50	5,607	(105)	3,894	133	6	671	147	-	-
2027	-	2,238	50	5,579	(170)	3,894	161	6	753	147	-	-
2028	-	1,642	50	5,564	(175)	3,906	194	5	822	147	-	-
2029	-	1,827	50	5,522	(176)	3,894	222	5	877	41	-	-
2030	-	1,839	50	6,020	(178)	3,894	253	5	939	40	-	-
2031	-	2,112	50	6,317	(179)	3,894	274	5	1,000	40	-	-
2032	-	711	50	7,331	(275)	3,906	281	5	1,062	40	-	-
2033	-	-	50	7,926	(359)	3,894	283	5	1,114	40	-	-
2034	-	-	50	7,885	(350)	3,894	287	5	1,160	40	-	-
2035	-	-	50	8,487	(337)	3,894	293	5	1,190	40	-	-
2036	-	-	50	8,861	(351)	3,906	305	5	1,177	40	-	-
2037	-	-	50	8,794	(364)	3,894	310	5	1,087	39	-	-
2038	-	-	50	8,756	(372)	3,828	315	5	993	39	-	-
2039	-	-	50	8,958	(377)	3,214	320	5	963	39	-	-
2040	-	-	50	9,210	(371)	3,224	326	5	953	39	-	-

CO2 Emissions by Portfolio

Existing Fleet Portfolios
Reference
Million Tons CO2

	1	2	3	4	5	6	7	7H
2021	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
2022	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
2023	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
2024	4.4	4.4	4.4	2.6	4.4	4.4	4.4	4.4
2025	4.0	4.0	4.0	1.3	4.0	4.0	4.0	4.1
2026	3.8	3.8	2.4	1.3	3.8	2.4	3.8	3.9
2027	3.9	3.9	1.4	1.4	3.9	1.4	3.8	4.0
2028	3.6	2.2	1.2	1.2	2.2	1.2	2.1	2.2
2029	3.8	1.4	1.4	1.4	1.4	1.4	1.2	1.4
2030	3.7	1.4	1.4	1.4	1.4	1.4	1.1	1.4
2031	3.7	1.3	1.3	1.3	1.3	1.3	1.1	1.3
2032	2.3	1.3	1.3	1.3	1.3	1.3	0.4	1.3
2033	1.3	1.3	1.3	1.3	1.3	1.3	-	1.3
2034	1.3	1.3	1.3	1.3	1.3	1.3	-	1.3
2035	1.3	1.3	1.3	1.3	1.3	1.3	-	1.3
2036	1.1	1.1	1.1	1.1	1.1	1.1	-	1.1
2037	1.3	1.3	1.3	1.3	1.3	1.3	-	1.3
2038	1.4	1.4	1.4	1.4	1.4	1.4	-	1.4
2039	1.5	1.5	1.5	1.5	1.5	1.5	-	1.5
2040	1.5	1.5	1.5	1.5	1.5	1.5	-	1.5

Replacement Portfolios
Reference
Million Tons CO2

	3A	3B	3C	3D	3E	3F	3G	3H	3I
2021	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
2022	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
2023	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
2024	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
2025	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.1
2026	2.3	2.5	3.3	2.3	2.3	2.4	2.3	2.3	2.4
2027	1.4	1.5	2.9	1.4	1.4	1.4	1.3	1.3	1.4
2028	1.1	1.3	2.7	1.1	1.1	1.2	1.0	1.0	1.2
2029	1.4	1.5	2.9	1.4	1.4	1.4	1.2	1.2	1.4
2030	1.3	1.5	2.8	1.3	1.3	1.4	1.1	1.1	1.4
2031	1.3	1.4	2.7	1.3	1.3	1.3	1.1	1.1	1.3
2032	1.3	1.4	2.7	1.3	1.3	1.3	0.4	0.4	1.3
2033	1.2	1.4	2.6	1.2	1.2	1.3	-	-	1.3
2034	1.2	1.4	2.7	1.2	1.2	1.3	-	-	1.3
2035	1.2	1.4	2.6	1.2	1.2	1.3	-	-	1.3
2036	1.1	1.3	2.5	1.1	1.1	1.1	-	-	1.1
2037	1.3	1.5	2.7	1.3	1.3	1.3	-	-	1.3
2038	1.3	1.6	2.8	1.3	1.3	1.4	-	-	1.4
2039	1.4	1.6	2.9	1.4	1.4	1.5	-	-	1.5
2040	1.4	1.7	2.9	1.4	1.4	1.5	-	-	1.5

SQE
Million Tons CO2

	1	2	3	4	5	6	7	7H
2021	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
2022	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
2023	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
2024	4.6	4.6	4.6	3.0	4.6	4.6	4.6	4.6
2025	4.2	4.2	4.2	1.9	4.2	4.2	4.2	4.4
2026	4.3	4.3	2.9	1.8	4.3	2.9	4.3	4.5
2027	4.5	4.5	1.9	1.9	4.5	1.9	4.3	4.6
2028	4.0	2.6	1.6	1.6	2.6	1.6	2.4	2.7
2029	4.2	1.9	1.9	1.9	1.9	1.9	1.6	1.9
2030	4.1	1.8	1.8	1.8	1.8	1.8	1.5	1.8
2031	4.1	1.8	1.8	1.8	1.8	1.8	1.5	1.8
2032	2.8	1.8	1.8	1.8	1.8	1.8	0.6	1.8
2033	1.8	1.8	1.8	1.8	1.8	1.8	-	1.8
2034	1.7	1.7	1.7	1.7	1.7	1.7	-	1.7
2035	1.8	1.8	1.8	1.8	1.8	1.8	-	1.7
2036	1.5	1.5	1.5	1.5	1.5	1.5	-	1.4
2037	1.7	1.7	1.7	1.7	1.7	1.7	-	1.7
2038	1.6	1.6	1.6	1.6	1.6	1.6	-	1.6
2039	1.7	1.7	1.7	1.7	1.7	1.7	-	1.7
2040	1.8	1.8	1.8	1.8	1.8	1.8	-	1.7

SQE
Million Tons CO2

	3A	3B	3C	3D	3E	3F	3G	3H	3I
2021	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
2022	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
2023	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
2024	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
2025	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.4
2026	2.7	3.2	3.9	2.7	2.7	2.9	2.7	2.7	2.9
2027	1.8	2.2	3.6	1.8	1.8	1.9	1.6	1.6	1.9
2028	1.5	1.8	3.3	1.5	1.5	1.6	1.3	1.3	1.6
2029	1.7	2.1	3.6	1.7	1.7	1.9	1.6	1.6	1.9
2030	1.6	2.0	3.4	1.6	1.6	1.8	1.5	1.5	1.8
2031	1.7	2.0	3.4	1.7	1.7	1.8	1.5	1.5	1.8
2032	1.7	2.0	3.4	1.7	1.7	1.8	0.6	0.6	1.8
2033	1.6	2.0	3.4	1.6	1.6	1.8	-	-	1.8
2034	1.6	1.9	3.3	1.6	1.6	1.7	-	-	1.7
2035	1.6	2.0	3.3	1.6	1.6	1.8	-	-	1.7
2036	1.3	1.6	3.0	1.3	1.3	1.5	-	-	1.4
2037	1.6	1.9	3.2	1.6	1.6	1.7	-	-	1.7
2038	1.5	1.8	3.1	1.5	1.5	1.6	-	-	1.6
2039	1.6	1.9	3.3	1.6	1.6	1.7	-	-	1.7
2040	1.6	2.0	3.3	1.6	1.6	1.8	-	-	1.7

AER
Million Tons CO2

	1	2	3	4	5	6	7	7H
2021	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
2022	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
2023	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
2024	4.0	4.0	4.0	2.3	4.0	4.0	4.0	4.0
2025	3.4	3.4	3.4	0.8	3.4	3.4	3.4	3.4
2026	3.5	3.5	1.9	0.7	3.5	1.9	3.5	3.6
2027	3.5	3.5	0.8	0.8	3.5	0.8	3.3	3.5
2028	3.1	1.7	0.7	0.7	1.7	0.7	1.6	1.7
2029	3.0	0.8	0.8	0.8	0.8	0.8	0.6	0.8
2030	2.9	0.7	0.7	0.7	0.7	0.7	0.6	0.7
2031	3.0	0.9	0.9	0.9	0.9	0.9	0.7	0.9
2032	1.9	1.0	1.0	1.0	1.0	1.0	0.3	1.0
2033	1.0	1.0	1.0	1.0	1.0	1.0	-	1.0
2034	1.0	1.0	1.0	1.0	1.0	1.0	-	1.0
2035	0.9	0.9	0.9	0.9	0.9	0.9	-	0.9
2036	0.7	0.7	0.7	0.7	0.7	0.7	-	0.7
2037	0.8	0.8	0.8	0.8	0.8	0.8	-	0.8
2038	0.8	0.8	0.8	0.8	0.8	0.8	-	0.4
2039	0.7	0.7	0.7	0.7	0.7	0.7	-	0.0
2040	0.7	0.7	0.7	0.7	0.7	0.7	-	0.0

AER
Million Tons CO2

	3A	3B	3C	3D	3E	3F	3G	3H	3I
2021	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
2022	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
2023	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
2024	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
2025	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
2026	1.9	2.0	2.6	1.9	1.9	1.9	1.9	1.9	2.0
2027	0.8	0.8	1.8	0.8	0.8	0.8	0.6	0.6	0.8
2028	0.6	0.7	1.6	0.6	0.6	0.7	0.5	0.5	0.7
2029	0.7	0.8	1.6	0.7	0.7	0.8	0.6	0.6	0.8
2030	0.7	0.8	1.6	0.7	0.7	0.7	0.6	0.6	0.7
2031	0.9	0.9	1.9	0.9	0.9	0.9	0.7	0.7	0.9
2032	1.0	1.1	2.1	1.0	1.0	1.0	0.3	0.3	1.0
2033	1.0	1.1	2.2	1.0	1.0	1.0	-	-	1.0
2034	1.0	1.1	2.1	1.0	1.0	1.0	-	-	0.9
2035	0.8	0.9	1.9	0.8	0.8	0.9	-	-	0.8
2036	0.7	0.7	1.6	0.7	0.7	0.7	-	-	0.6
2037	0.8	0.9	1.7	0.8	0.8	0.8	-	-	0.8
2038	0.7	0.8	1.7	0.7	0.7	0.8	-	-	0.4
2039	0.7	0.8	1.6	0.7	0.7	0.7	-	-	0.0
2040	0.7	0.7	1.5	0.7	0.7	0.7	-	-	0.0

EWD
Million Tons CO2

	1	2	3	4	5	6	7	7H
2021	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
2022	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
2023	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
2024	4.3	4.3	4.3	2.5	4.3	4.3	4.3	4.3
2025	3.9	3.9	3.9	1.2	3.9	3.9	3.9	3.9
2026	3.9	3.9	2.3	1.1	3.9	2.3	3.9	4.0
2027	4.1	4.1	1.1	1.1	4.1	1.1	4.0	4.1
2028	3.6	1.9	0.8	0.8	1.9	0.8	1.8	1.9
2029	3.6	0.9	0.9	0.9	0.9	0.9	0.8	0.9
2030	3.6	1.0	1.0	1.0	1.0	1.0	0.8	0.9
2031	3.9	1.1	1.1	1.1	1.1	1.1	0.9	1.1
2032	2.2	1.1	1.1	1.1	1.1	1.1	0.3	0.4
2033	1.0	1.0	1.0	1.0	1.0	1.0	-	0.1
2034	1.1	1.1	1.1	1.1	1.1	1.1	-	0.1
2035	1.3	1.3	1.3	1.3	1.3	1.3	-	0.1
2036	1.1	1.1	1.1	1.1	1.1	1.1	-	0.1
2037	1.5	1.5	1.5	1.5	1.5	1.5	-	0.1
2038	1.5	1.5	1.5	1.5	1.5	1.5	-	0.2
2039	1.6	1.6	1.6	1.6	1.6	1.6	-	0.2
2040	1.6	1.6	1.6	1.6	1.6	1.6	-	0.2

EWD
Million Tons CO2

	3A	3B	3C	3D	3E	3F	3G	3H	3I
2021	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
2022	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
2023	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
2024	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
2025	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
2026	2.3	2.4	3.1	2.3	2.3	2.3	2.3	2.3	2.3
2027	1.1	1.2	2.3	1.1	1.1	1.1	0.9	0.9	1.1
2028	0.8	0.9	1.9	0.8	0.8	0.8	0.7	0.7	0.8
2029	0.9	1.0	1.9	0.9	0.9	1.0	0.8	0.8	0.9
2030	0.9	1.0	1.9	0.9	0.9	1.0	0.8	0.8	0.9
2031	1.0	1.2	2.2	1.0	1.0	1.1	0.9	0.9	1.1
2032	1.0	1.2	2.2	1.0	1.0	1.1	0.3	0.3	0.4
2033	1.0	1.2	2.1	1.0	1.0	1.0	-	-	0.0
2034	1.1	1.2	2.2	1.1	1.1	1.1	-	-	0.0
2035	1.2	1.4	2.5	1.2	1.2	1.3	-	-	0.0
2036	1.0	1.2	2.3	1.0	1.0	1.1	-	-	0.0
2037	1.4	1.7	2.8	1.4	1.4	1.5	-	-	0.0
2038	1.4	1.7	2.9	1.4	1.4	1.5	-	-	0.0
2039	1.4	1.8	3.0	1.4	1.4	1.6	-	-	0.0
2040	1.4	1.8	3.0	1.4	1.4	1.6	-	-	0.0

Resource Emissions by Portfolio and Scenario - Existing Fleet

Reference Case
NIPSCO Retirement 1
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1
2021	0.01	0.01	1.49	1.87	2.35	2.66	1.33	-
2022	-	0.00	1.95	2.03	-	2.63	1.22	-
2023	-	-	0.86	0.89	-	2.86	1.29	-
2024	-	0.00	-	-	-	3.13	1.25	-
2025	-	0.00	-	-	-	2.81	1.22	-
2026	-	0.00	-	-	-	2.58	1.23	-
2027	-	0.00	-	-	-	2.51	1.40	-
2028	-	0.00	-	-	-	2.43	1.15	-
2029	-	-	-	-	-	2.45	1.36	-
2030	-	-	-	-	-	2.45	1.29	-
2031	-	-	-	-	-	2.43	1.27	-
2032	-	-	-	-	-	1.04	1.26	0.03
2033	-	-	-	-	-	-	1.24	0.05
2034	-	-	-	-	-	-	1.25	0.05
2035	-	-	-	-	-	-	1.23	0.07
2036	-	-	-	-	-	-	1.06	0.07
2037	-	-	-	-	-	-	1.27	0.07
2038	-	-	-	-	-	-	1.32	0.09
2039	-	-	-	-	-	-	1.39	0.09
2040	-	-	-	-	-	-	1.41	0.09

Status Quo Extended
NIPSCO Retirement 1
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1
2021	0.01	0.01	1.47	1.87	2.36	2.68	1.33	-
2022	-	0.00	1.88	1.95	-	2.51	1.32	-
2023	-	0.00	0.78	0.82	-	2.73	1.63	-
2024	-	0.02	-	-	-	2.95	1.67	-
2025	0.00	0.02	-	-	-	2.54	1.66	-
2026	0.00	0.02	-	-	-	2.70	1.58	-
2027	0.00	0.01	-	-	-	2.70	1.78	-
2028	-	0.00	-	-	-	2.59	1.45	-
2029	-	-	-	-	-	2.48	1.74	-
2030	-	-	-	-	-	2.47	1.64	-
2031	-	-	-	-	-	2.41	1.68	-
2032	-	-	-	-	-	1.06	1.67	0.09
2033	-	-	-	-	-	-	1.65	0.15
2034	-	-	-	-	-	-	1.58	0.14
2035	-	-	-	-	-	-	1.61	0.15
2036	-	-	-	-	-	-	1.33	0.13
2037	-	-	-	-	-	-	1.59	0.13
2038	-	-	-	-	-	-	1.51	0.12
2039	-	-	-	-	-	-	1.60	0.14
2040	-	-	-	-	-	-	1.62	0.14

Aggressive Environmental Regulation
NIPSCO Retirement 1
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1
2021	0.01	0.01	1.47	1.88	2.36	2.68	1.33	-
2022	-	0.00	2.17	2.15	-	2.78	1.02	-
2023	-	-	0.88	0.91	-	2.92	0.95	-
2024	-	0.00	-	-	-	2.93	1.03	-
2025	-	0.00	-	-	-	2.56	0.81	-
2026	-	0.00	-	-	-	2.80	0.69	-
2027	-	0.00	-	-	-	2.71	0.80	-
2028	-	-	-	-	-	2.44	0.65	-
2029	-	-	-	-	-	2.27	0.75	-
2030	-	-	-	-	-	2.18	0.73	-
2031	-	-	-	-	-	2.14	0.87	-
2032	-	-	-	-	-	0.89	0.97	0.02
2033	-	-	-	-	-	-	1.01	0.03
2034	-	-	-	-	-	-	0.96	0.03
2035	-	-	-	-	-	-	0.85	0.03
2036	-	-	-	-	-	-	0.65	0.03
2037	-	-	-	-	-	-	0.79	0.03
2038	-	-	-	-	-	-	0.74	0.02
2039	-	-	-	-	-	-	0.72	0.02
2040	-	-	-	-	-	-	0.69	0.01

Economy-Wide Decarbonization
NIPSCO Retirement 1
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1
2021	0.01	0.01	1.49	1.88	2.36	2.69	1.34	-
2022	-	0.00	1.89	2.01	-	2.56	1.21	-
2023	-	-	0.84	0.87	-	2.84	1.27	-
2024	-	0.00	-	-	-	3.10	1.22	-
2025	-	0.00	-	-	-	2.76	1.13	-
2026	-	0.00	-	-	-	2.89	1.01	-
2027	-	0.00	-	-	-	3.03	1.08	-
2028	-	0.00	-	-	-	2.82	0.80	-
2029	-	-	-	-	-	2.68	0.90	-
2030	-	-	-	-	-	2.75	0.90	-
2031	-	-	-	-	-	2.83	1.03	-
2032	-	-	-	-	-	1.14	1.03	0.04
2033	-	-	-	-	-	-	0.99	0.06
2034	-	-	-	-	-	-	1.05	0.06
2035	-	-	-	-	-	-	1.21	0.09
2036	-	-	-	-	-	-	0.99	0.09
2037	-	-	-	-	-	-	1.36	0.12
2038	-	-	-	-	-	-	1.38	0.15
2039	-	-	-	-	-	-	1.44	0.16
2040	-	-	-	-	-	-	1.45	0.15

NIPSCO Retirement 2
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1
2021	0.01	0.01	1.49	1.87	2.35	2.66	1.33	-
2022	-	0.00	1.95	2.03	-	2.63	1.22	-
2023	-	-	0.86	0.89	-	2.86	1.29	-
2024	-	0.00	-	-	-	3.13	1.25	-
2025	-	0.00	-	-	-	2.81	1.22	-
2026	-	0.00	-	-	-	2.58	1.23	-
2027	-	0.00	-	-	-	2.51	1.40	-
2028	-	0.00	-	-	-	1.05	1.15	0.03
2029	-	-	-	-	-	-	1.36	0.07
2030	-	-	-	-	-	-	1.29	0.06
2031	-	-	-	-	-	-	1.27	0.06
2032	-	-	-	-	-	-	1.26	0.05
2033	-	-	-	-	-	-	1.24	0.05
2034	-	-	-	-	-	-	1.25	0.05
2035	-	-	-	-	-	-	1.23	0.07
2036	-	-	-	-	-	-	1.06	0.07
2037	-	-	-	-	-	-	1.27	0.07
2038	-	-	-	-	-	-	1.32	0.09
2039	-	-	-	-	-	-	1.39	0.09
2040	-	-	-	-	-	-	1.41	0.09

NIPSCO Retirement 2
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1
2021	0.01	0.01	1.47	1.87	2.36	2.68	1.33	-
2022	-	0.00	1.88	1.95	-	2.51	1.32	-
2023	-	0.00	0.78	0.82	-	2.73	1.63	-
2024	-	0.02	-	-	-	2.95	1.67	-
2025	0.00	0.02	-	-	-	2.54	1.66	-
2026	0.00	0.02	-	-	-	2.70	1.58	-
2027	0.00	0.01	-	-	-	2.70	1.78	-
2028	-	0.00	-	-	-	1.07	1.45	0.11
2029	-	-	-	-	-	-	1.74	0.17
2030	-	-	-	-	-	-	1.64	0.17
2031	-	-	-	-	-	-	1.68	0.15
2032	-	-	-	-	-	-	1.67	0.14
2033	-	-	-	-	-	-	1.65	0.15
2034	-	-	-	-	-	-	1.58	0.14
2035	-	-	-	-	-	-	1.61	0.15
2036	-	-	-	-	-	-	1.33	0.13
2037	-	-	-	-	-	-	1.59	0.13
2038	-	-	-	-	-	-	1.51	0.12
2039	-	-	-	-	-	-	1.60	0.14
2040	-	-	-	-	-	-	1.62	0.14

NIPSCO Retirement 2
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1
2021	0.01	0.01	1.47	1.88	2.36	2.68	1.33	-
2022	-	0.00	2.17	2.15	-	2.78	1.02	-
2023	-	-	0.88	0.91	-	2.92	0.95	-
2024	-	0.00	-	-	-	2.93	1.03	-
2025	-	0.00	-	-	-	2.56	0.81	-
2026	-	0.00	-	-	-	2.80	0.69	-
2027	-	0.00	-	-	-	2.71	0.80	-
2028	-	-	-	-	-	1.07	0.65	0.00
2029	-	-	-	-	-	-	0.75	0.02
2030	-	-	-	-	-	-	0.73	0.02
2031	-	-	-	-	-	-	0.87	0.03
2032	-	-	-	-	-	-	0.97	0.04
2033	-	-	-	-	-	-	1.01	0.03
2034	-	-	-	-	-	-	0.96	0.03
2035	-	-	-	-	-	-	0.85	0.03
2036	-	-	-	-	-	-	0.65	0.03
2037	-	-	-	-	-	-	0.79	0.03
2038	-	-	-	-	-	-	0.74	0.02
2039	-	-	-	-	-	-	0.72	0.02
2040	-	-	-	-	-	-	0.69	0.01

NIPSCO Retirement 2
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1
2021	0.01	0.01	1.49	1.88	2.36	2.69	1.34	-
2022	-	0.00	1.89	2.01	-	2.56	1.21	-
2023	-	-	0.84	0.87	-	2.84	1.27	-
2024	-	0.00	-	-	-	3.10	1.22	-
2025	-	0.00	-	-	-	2.76	1.13	-
2026	-	0.00	-	-	-	2.89	1.01	-
2027	-	0.00	-	-	-	3.03	1.08	-
2028	-	0.00	-	-	-	1.11	0.80	0.02
2029	-	-	-	-	-	-	0.90	0.05
2030	-	-	-	-	-	-	0.90	0.06
2031	-	-	-	-	-	-	1.03	0.07
2032	-	-	-	-	-	-	1.03	0.07
2033	-	-	-	-	-	-	0.99	0.06
2034	-	-	-	-	-	-	1.05	0.06
2035	-	-	-	-	-	-	1.21	0.09
2036	-	-	-	-	-	-	0.99	0.09
2037	-	-	-	-	-	-	1.36	0.12
2038	-	-	-	-	-	-	1.38	0.15
2039	-	-	-	-	-	-	1.44	0.16
2040	-	-	-	-	-	-	1.45	0.15

NIPSCO Retirement 3
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1
2021	0.01	0.01	1.49	1.87	2.35	2.66	1.33	-
2022	-	0.00	1.95	2.03	-	2.63	1.22	-
2023	-	-	0.86	0.89	-	2.86	1.29	-
2024	-	0.00	-	-	-	3.13	1.25	-
2025	-	0.00	-	-	-	2.81	1.22	-
2026	-	0.00	-	-	-	1.11	1.23	0.04
2027	-	0.00	-	-	-	-	1.40	0.05
2028	-	0.00	-	-	-	-	1.15	0.05
2029	-	-	-	-	-	-	1.36	0.07
2030	-	-	-	-	-	-	1.29	0.06
2031	-	-	-	-	-	-	1.27	0.06
2032	-	-	-	-	-	-	1.26	0.05
2033	-	-	-	-	-	-	1.24	0.05
2034	-	-	-	-	-	-	1.25	0.05
2035	-	-	-	-	-	-	1.23	0.07
2036	-	-	-	-	-	-	1.06	0.07
2037	-	-	-	-	-	-	1.27	0.07
2038	-	-	-	-	-	-	1.32	0.09
2039	-	-	-	-	-	-	1.39	0.09
2040	-	-	-	-	-	-	1.41	0.09

NIPSCO Retirement 3
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1
2021	0.01	0.01	1.47	1.87	2.36	2.68	1.33	-
2022	-	0.00	1.88	1.95	-	2.51	1.32	-
2023	-	0.00	0.78	0.82	-	2.73	1.63	-
2024	-	0.02	-	-	-	2.95	1.67	-
2025	0.00	0.02	-	-	-	2.54	1.66	-
2026	0.00	0.02	-	-	-	1.15	1.58	0.13
2027	0.00	0.01	-	-	-	-	1.78	0.16
2028	-	0.00	-	-	-	-	1.45	0.16
2029	-	-	-	-	-	-	1.74	0.17
2030	-	-	-	-	-	-	1.64	0.17
2031	-	-	-	-	-	-	1.68	0.15
2032	-	-	-	-	-	-	1.67	0.14
2033	-	-	-	-	-	-	1.65	0.15
2034	-	-	-	-	-	-	1.58	0.14
2035	-	-	-	-	-	-	1.61	0.15
2036	-	-	-	-	-	-	1.33	0.13
2037	-	-	-	-	-	-	1.59	0.13
2038	-	-	-	-	-	-	1.51	0.12
2039	-	-	-	-	-	-	1.60	0.14
2040	-	-	-	-	-	-	1.62	0.14

NIPSCO Retirement 3
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1
2021	0.01	0.01	1.47	1.88	2.36	2.68	1.33	-
2022	-	0.00	2.17	2.15	-	2.78	1.02	-
2023	-	-	0.88	0.91	-	2.92	0.95	-
2024	-	0.00	-	-	-	2.93	1.03	-
2025	-	0.00	-	-	-	2.56	0.81	-
2026	-	0.00	-	-	-	1.22	0.69	0.00
2027	-	0.00	-	-	-	-	0.80	0.01
2028	-	-	-	-	-	-	0.65	0.01
2029	-	-	-	-	-	-	0.75	0.02
2030	-	-	-	-	-	-	0.73	0.02
2031	-	-	-	-	-	-	0.87	0.03
2032	-	-	-	-	-	-	0.97	0.04
2033	-	-	-	-	-	-	1.01	0.03
2034	-	-	-	-	-	-	0.96	0.03
2035	-	-	-	-	-	-	0.85	0.03
2036	-	-	-	-	-	-	0.65	0.03
2037	-	-	-	-	-	-	0.79	0.03
2038	-	-	-	-	-	-	0.74	0.02
2039	-	-	-	-	-	-	0.72	0.02
2040	-	-	-	-	-	-	0.69	0.01

NIPSCO Retirement 3
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1
2021	0.01	0.01	1.49	1.88	2.36	2.69	1.34	-
2022	-	0.00	1.89	2.01	-	2.56	1.21	-
2023	-	-	0.84	0.87	-	2.84	1.27	-
2024	-	0.00	-	-	-	3.10	1.22	-
2025	-	0.00	-	-	-	2.76	1.13	-
2026	-	0.00	-	-	-	1.26	1.01	0.02
2027	-	0.00	-	-	-	-	1.08	0.03
2028	-	0.00	-	-	-	-	0.80	0.03
2029	-	-	-	-	-	-	0.90	0.05
2030	-	-	-	-	-	-	0.90	0.06
2031	-	-	-	-	-	-	1.03	0.07
2032	-	-	-	-	-	-	1.03	0.07
2033	-	-	-	-	-	-	0.99	0.06
2034	-	-	-	-	-	-	1.05	0.06
2035	-	-	-	-	-	-	1.21	0.09
2036	-	-	-	-	-	-	0.99	0.09
2037	-	-	-	-	-	-	1.36	0.12
2038	-	-	-	-	-	-	1.38	0.15
2039	-	-	-	-	-	-	1.44	0.16
2040	-	-	-	-	-	-	1.45	0.15

NIPSCO Retirement 4
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1
2021	0.01	0.01	1.49	1.87	2.35	2.66	1.33	-
2022	-	0.00	1.95	2.03	-	2.63	1.22	-
2023	-	-	0.86	0.89	-	2.86	1.29	-
2024	-	0.00	-	-	-	1.29	1.25	0.04
2025	-	0.00	-	-	-	-	1.22	0.06
2026	-	0.00	-	-	-	-	1.23	0.06
2027	-	0.00	-	-	-	-	1.40	0.05
2028	-	0.00	-	-	-	-	1.15	0.05
2029	-	-	-	-	-	-	1.36	0.07
2030	-	-	-	-	-	-	1.29	0.06
2031	-	-	-	-	-	-	1.27	0.06
2032	-	-	-	-	-	-	1.26	0.05
2033	-	-	-	-	-	-	1.24	0.05
2034	-	-	-	-	-	-	1.25	0.05
2035	-	-	-	-	-	-	1.23	0.07
2036	-	-	-	-	-	-	1.06	0.07
2037	-	-	-	-	-	-	1.27	0.07
2038	-	-	-	-	-	-	1.32	0.09
2039	-	-	-	-	-	-	1.39	0.09
2040	-	-	-	-	-	-	1.41	0.09

NIPSCO Retirement 4
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1
2021	0.01	0.01	1.47	1.87	2.36	2.68	1.33	-
2022	-	0.00	1.88	1.95	-	2.51	1.32	-
2023	-	0.00	0.78	0.82	-	2.73	1.63	-
2024	-	0.02	-	-	-	1.20	1.67	0.15
2025	0.00	0.02	-	-	-	-	1.66	0.21
2026	0.00	0.02	-	-	-	-	1.58	0.20
2027	0.00	0.01	-	-	-	-	1.78	0.16
2028	-	0.00	-	-	-	-	1.45	0.16
2029	-	-	-	-	-	-	1.74	0.17
2030	-	-	-	-	-	-	1.64	0.17
2031	-	-	-	-	-	-	1.68	0.15
2032	-	-	-	-	-	-	1.67	0.14
2033	-	-	-	-	-	-	1.65	0.15
2034	-	-	-	-	-	-	1.58	0.14
2035	-	-	-	-	-	-	1.61	0.15
2036	-	-	-	-	-	-	1.33	0.13
2037	-	-	-	-	-	-	1.59	0.13
2038	-	-	-	-	-	-	1.51	0.12
2039	-	-	-	-	-	-	1.60	0.14
2040	-	-	-	-	-	-	1.62	0.14

NIPSCO Retirement 4
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1
2021	0.01	0.01	1.47	1.88	2.36	2.68	1.33	-
2022	-	0.00	2.17	2.15	-	2.78	1.02	-
2023	-	-	0.88	0.91	-	2.92	0.95	-
2024	-	0.00	-	-	-	1.21	1.03	0.02
2025	-	0.00	-	-	-	-	0.81	0.02
2026	-	0.00	-	-	-	-	0.69	0.02
2027	-	0.00	-	-	-	-	0.80	0.01
2028	-	-	-	-	-	-	0.65	0.01
2029	-	-	-	-	-	-	0.75	0.02
2030	-	-	-	-	-	-	0.73	0.02
2031	-	-	-	-	-	-	0.87	0.03
2032	-	-	-	-	-	-	0.97	0.04
2033	-	-	-	-	-	-	1.01	0.03
2034	-	-	-	-	-	-	0.96	0.03
2035	-	-	-	-	-	-	0.85	0.03
2036	-	-	-	-	-	-	0.65	0.03
2037	-	-	-	-	-	-	0.79	0.03
2038	-	-	-	-	-	-	0.74	0.02
2039	-	-	-	-	-	-	0.72	0.02
2040	-	-	-	-	-	-	0.69	0.01

NIPSCO Retirement 4
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1
2021	0.01	0.01	1.49	1.88	2.36	2.69	1.34	-
2022	-	0.00	1.89	2.01	-	2.56	1.21	-
2023	-	-	0.84	0.87	-	2.84	1.27	-
2024	-	0.00	-	-	-	1.26	1.22	0.04
2025	-	0.00	-	-	-	-	1.13	0.05
2026	-	0.00	-	-	-	-	1.01	0.04
2027	-	0.00	-	-	-	-	1.08	0.03
2028	-	0.00	-	-	-	-	0.80	0.03
2029	-	-	-	-	-	-	0.90	0.05
2030	-	-	-	-	-	-	0.90	0.06
2031	-	-	-	-	-	-	1.03	0.07
2032	-	-	-	-	-	-	1.03	0.07
2033	-	-	-	-	-	-	0.99	0.06
2034	-	-	-	-	-	-	1.05	0.06
2035	-	-	-	-	-	-	1.21	0.09
2036	-	-	-	-	-	-	0.99	0.09
2037	-	-	-	-	-	-	1.36	0.12
2038	-	-	-	-	-	-	1.38	0.15
2039	-	-	-	-	-	-	1.44	0.16
2040	-	-	-	-	-	-	1.45	0.15

NIPSCO Retirement 5
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1
2021	0.01	0.01	1.49	1.87	2.35	2.66	1.33	-
2022	-	0.00	1.95	2.03	-	2.63	1.22	-
2023	-	-	0.86	0.89	-	2.86	1.29	-
2024	-	0.00	-	-	-	3.13	1.25	-
2025	-	0.00	-	-	-	2.81	1.22	-
2026	-	-	-	-	-	2.58	1.23	-
2027	-	-	-	-	-	2.51	1.40	-
2028	-	-	-	-	-	1.05	1.15	0.03
2029	-	-	-	-	-	-	1.36	0.07
2030	-	-	-	-	-	-	1.29	0.06
2031	-	-	-	-	-	-	1.27	0.06
2032	-	-	-	-	-	-	1.26	0.05
2033	-	-	-	-	-	-	1.24	0.05
2034	-	-	-	-	-	-	1.25	0.05
2035	-	-	-	-	-	-	1.23	0.07
2036	-	-	-	-	-	-	1.06	0.07
2037	-	-	-	-	-	-	1.27	0.07
2038	-	-	-	-	-	-	1.32	0.09
2039	-	-	-	-	-	-	1.39	0.09
2040	-	-	-	-	-	-	1.41	0.09

NIPSCO Retirement 5
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1
2021	0.01	0.01	1.47	1.87	2.36	2.68	1.33	-
2022	-	0.00	1.88	1.95	-	2.51	1.32	-
2023	-	0.00	0.78	0.82	-	2.73	1.63	-
2024	-	0.02	-	-	-	2.95	1.67	-
2025	0.00	0.01	-	-	-	2.54	1.66	-
2026	-	-	-	-	-	2.70	1.58	-
2027	-	-	-	-	-	2.70	1.78	-
2028	-	-	-	-	-	1.07	1.45	0.11
2029	-	-	-	-	-	-	1.74	0.17
2030	-	-	-	-	-	-	1.64	0.17
2031	-	-	-	-	-	-	1.68	0.15
2032	-	-	-	-	-	-	1.67	0.14
2033	-	-	-	-	-	-	1.65	0.15
2034	-	-	-	-	-	-	1.58	0.14
2035	-	-	-	-	-	-	1.61	0.15
2036	-	-	-	-	-	-	1.33	0.13
2037	-	-	-	-	-	-	1.59	0.13
2038	-	-	-	-	-	-	1.51	0.12
2039	-	-	-	-	-	-	1.60	0.14
2040	-	-	-	-	-	-	1.62	0.14

NIPSCO Retirement 5
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1
2021	0.01	0.01	1.47	1.88	2.36	2.68	1.33	-
2022	-	0.00	2.17	2.15	-	2.78	1.02	-
2023	-	-	0.88	0.91	-	2.92	0.95	-
2024	-	0.00	-	-	-	2.93	1.03	-
2025	-	0.00	-	-	-	2.56	0.81	-
2026	-	-	-	-	-	2.80	0.69	-
2027	-	-	-	-	-	2.71	0.80	-
2028	-	-	-	-	-	1.07	0.65	0.00
2029	-	-	-	-	-	-	0.75	0.02
2030	-	-	-	-	-	-	0.73	0.02
2031	-	-	-	-	-	-	0.87	0.03
2032	-	-	-	-	-	-	0.97	0.04
2033	-	-	-	-	-	-	1.01	0.03
2034	-	-	-	-	-	-	0.96	0.03
2035	-	-	-	-	-	-	0.85	0.03
2036	-	-	-	-	-	-	0.65	0.03
2037	-	-	-	-	-	-	0.79	0.03
2038	-	-	-	-	-	-	0.74	0.02
2039	-	-	-	-	-	-	0.72	0.02
2040	-	-	-	-	-	-	0.69	0.01

NIPSCO Retirement 5
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1
2021	0.01	0.01	1.49	1.88	2.36	2.69	1.34	-
2022	-	0.00	1.89	2.01	-	2.56	1.21	-
2023	-	-	0.84	0.87	-	2.84	1.27	-
2024	-	0.00	-	-	-	3.10	1.22	-
2025	-	0.00	-	-	-	2.76	1.13	-
2026	-	-	-	-	-	2.89	1.01	-
2027	-	-	-	-	-	3.03	1.08	-
2028	-	-	-	-	-	1.11	0.80	0.02
2029	-	-	-	-	-	-	0.90	0.05
2030	-	-	-	-	-	-	0.90	0.06
2031	-	-	-	-	-	-	1.03	0.07
2032	-	-	-	-	-	-	1.03	0.07
2033	-	-	-	-	-	-	0.99	0.06
2034	-	-	-	-	-	-	1.05	0.06
2035	-	-	-	-	-	-	1.21	0.09
2036	-	-	-	-	-	-	0.99	0.09
2037	-	-	-	-	-	-	1.36	0.12
2038	-	-	-	-	-	-	1.38	0.15
2039	-	-	-	-	-	-	1.44	0.16
2040	-	-	-	-	-	-	1.45	0.15

NIPSCO Retirement 6
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1
2021	0.01	0.01	1.49	1.87	2.35	2.66	1.33	-
2022	-	0.00	1.95	2.03	-	2.63	1.22	-
2023	-	-	0.86	0.89	-	2.86	1.29	-
2024	-	0.00	-	-	-	3.13	1.25	-
2025	-	0.00	-	-	-	2.81	1.22	-
2026	-	-	-	-	-	1.11	1.23	0.04
2027	-	-	-	-	-	-	1.40	0.05
2028	-	-	-	-	-	-	1.15	0.05
2029	-	-	-	-	-	-	1.36	0.07
2030	-	-	-	-	-	-	1.29	0.06
2031	-	-	-	-	-	-	1.27	0.06
2032	-	-	-	-	-	-	1.26	0.05
2033	-	-	-	-	-	-	1.24	0.05
2034	-	-	-	-	-	-	1.25	0.05
2035	-	-	-	-	-	-	1.23	0.07
2036	-	-	-	-	-	-	1.06	0.07
2037	-	-	-	-	-	-	1.27	0.07
2038	-	-	-	-	-	-	1.32	0.09
2039	-	-	-	-	-	-	1.39	0.09
2040	-	-	-	-	-	-	1.41	0.09

NIPSCO Retirement 6
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1
2021	0.01	0.01	1.47	1.87	2.36	2.68	1.33	-
2022	-	0.00	1.88	1.95	-	2.51	1.32	-
2023	-	0.00	0.78	0.82	-	2.73	1.63	-
2024	-	0.02	-	-	-	2.95	1.67	-
2025	0.00	0.01	-	-	-	2.54	1.66	-
2026	-	-	-	-	-	1.15	1.58	0.13
2027	-	-	-	-	-	-	1.78	0.16
2028	-	-	-	-	-	-	1.45	0.16
2029	-	-	-	-	-	-	1.74	0.17
2030	-	-	-	-	-	-	1.64	0.17
2031	-	-	-	-	-	-	1.68	0.15
2032	-	-	-	-	-	-	1.67	0.14
2033	-	-	-	-	-	-	1.65	0.15
2034	-	-	-	-	-	-	1.58	0.14
2035	-	-	-	-	-	-	1.61	0.15
2036	-	-	-	-	-	-	1.33	0.13
2037	-	-	-	-	-	-	1.59	0.13
2038	-	-	-	-	-	-	1.51	0.12
2039	-	-	-	-	-	-	1.60	0.14
2040	-	-	-	-	-	-	1.62	0.14

NIPSCO Retirement 6
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1
2021	0.01	0.01	1.47	1.88	2.36	2.68	1.33	-
2022	-	0.00	2.17	2.15	-	2.78	1.02	-
2023	-	-	0.88	0.91	-	2.92	0.95	-
2024	-	0.00	-	-	-	2.93	1.03	-
2025	-	0.00	-	-	-	2.56	0.81	-
2026	-	-	-	-	-	1.22	0.69	0.00
2027	-	-	-	-	-	-	0.80	0.01
2028	-	-	-	-	-	-	0.65	0.01
2029	-	-	-	-	-	-	0.75	0.02
2030	-	-	-	-	-	-	0.73	0.02
2031	-	-	-	-	-	-	0.87	0.03
2032	-	-	-	-	-	-	0.97	0.04
2033	-	-	-	-	-	-	1.01	0.03
2034	-	-	-	-	-	-	0.96	0.03
2035	-	-	-	-	-	-	0.85	0.03
2036	-	-	-	-	-	-	0.65	0.03
2037	-	-	-	-	-	-	0.79	0.03
2038	-	-	-	-	-	-	0.74	0.02
2039	-	-	-	-	-	-	0.72	0.02
2040	-	-	-	-	-	-	0.69	0.01

NIPSCO Retirement 6
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1
2021	0.01	0.01	1.49	1.88	2.36	2.69	1.34	-
2022	-	0.00	1.89	2.01	-	2.56	1.21	-
2023	-	-	0.84	0.87	-	2.84	1.27	-
2024	-	0.00	-	-	-	3.10	1.22	-
2025	-	0.00	-	-	-	2.76	1.13	-
2026	-	-	-	-	-	1.26	1.01	0.02
2027	-	-	-	-	-	-	1.08	0.03
2028	-	-	-	-	-	-	0.80	0.03
2029	-	-	-	-	-	-	0.90	0.05
2030	-	-	-	-	-	-	0.90	0.06
2031	-	-	-	-	-	-	1.03	0.07
2032	-	-	-	-	-	-	1.03	0.07
2033	-	-	-	-	-	-	0.99	0.06
2034	-	-	-	-	-	-	1.05	0.06
2035	-	-	-	-	-	-	1.21	0.09
2036	-	-	-	-	-	-	0.99	0.09
2037	-	-	-	-	-	-	1.36	0.12
2038	-	-	-	-	-	-	1.38	0.15
2039	-	-	-	-	-	-	1.44	0.16
2040	-	-	-	-	-	-	1.45	0.15

NIPSCO Retirement 7
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1
2021	0.01	0.01	1.49	1.87	2.35	2.66	1.33	-
2022	-	0.00	1.95	2.03	-	2.63	1.22	-
2023	-	-	0.86	0.89	-	2.86	1.29	-
2024	-	0.00	-	-	-	3.13	1.25	-
2025	-	0.00	-	-	-	2.81	1.22	-
2026	-	-	-	-	-	2.58	1.23	-
2027	-	-	-	-	-	2.51	1.25	-
2028	-	-	-	-	-	1.05	1.01	-
2029	-	-	-	-	-	-	1.21	-
2030	-	-	-	-	-	-	1.15	-
2031	-	-	-	-	-	-	1.12	-
2032	-	-	-	-	-	-	0.44	-
2033	-	-	-	-	-	-	-	-
2034	-	-	-	-	-	-	-	-
2035	-	-	-	-	-	-	-	-
2036	-	-	-	-	-	-	-	-
2037	-	-	-	-	-	-	-	-
2038	-	-	-	-	-	-	-	-
2039	-	-	-	-	-	-	-	-
2040	-	-	-	-	-	-	-	-

NIPSCO Retirement 7
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1
2021	0.01	0.01	1.47	1.87	2.36	2.68	1.33	-
2022	-	0.00	1.88	1.95	-	2.51	1.32	-
2023	-	0.00	0.78	0.82	-	2.73	1.63	-
2024	-	0.02	-	-	-	2.95	1.67	-
2025	0.00	0.01	-	-	-	2.54	1.66	-
2026	-	-	-	-	-	2.70	1.58	-
2027	-	-	-	-	-	2.70	1.61	-
2028	-	-	-	-	-	1.07	1.32	-
2029	-	-	-	-	-	-	1.58	-
2030	-	-	-	-	-	-	1.50	-
2031	-	-	-	-	-	-	1.52	-
2032	-	-	-	-	-	-	0.61	-
2033	-	-	-	-	-	-	-	-
2034	-	-	-	-	-	-	-	-
2035	-	-	-	-	-	-	-	-
2036	-	-	-	-	-	-	-	-
2037	-	-	-	-	-	-	-	-
2038	-	-	-	-	-	-	-	-
2039	-	-	-	-	-	-	-	-
2040	-	-	-	-	-	-	-	-

NIPSCO Retirement 7
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1
2021	0.01	0.01	1.47	1.88	2.36	2.68	1.33	-
2022	-	0.00	2.17	2.15	-	2.78	1.02	-
2023	-	-	0.88	0.91	-	2.92	0.95	-
2024	-	0.00	-	-	-	2.93	1.03	-
2025	-	0.00	-	-	-	2.56	0.81	-
2026	-	-	-	-	-	2.80	0.69	-
2027	-	-	-	-	-	2.71	0.63	-
2028	-	-	-	-	-	1.07	0.50	-
2029	-	-	-	-	-	-	0.62	-
2030	-	-	-	-	-	-	0.62	-
2031	-	-	-	-	-	-	0.74	-
2032	-	-	-	-	-	-	0.28	-
2033	-	-	-	-	-	-	-	-
2034	-	-	-	-	-	-	-	-
2035	-	-	-	-	-	-	-	-
2036	-	-	-	-	-	-	-	-
2037	-	-	-	-	-	-	-	-
2038	-	-	-	-	-	-	-	-
2039	-	-	-	-	-	-	-	-
2040	-	-	-	-	-	-	-	-

NIPSCO Retirement 7
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1
2021	0.01	0.01	1.49	1.88	2.36	2.69	1.34	-
2022	-	0.00	1.89	2.01	-	2.56	1.21	-
2023	-	-	0.84	0.87	-	2.84	1.27	-
2024	-	0.00	-	-	-	3.10	1.22	-
2025	-	0.00	-	-	-	2.76	1.13	-
2026	-	-	-	-	-	2.89	1.01	-
2027	-	-	-	-	-	3.03	0.94	-
2028	-	-	-	-	-	1.11	0.69	-
2029	-	-	-	-	-	-	0.77	-
2030	-	-	-	-	-	-	0.78	-
2031	-	-	-	-	-	-	0.89	-
2032	-	-	-	-	-	-	0.30	-
2033	-	-	-	-	-	-	-	-
2034	-	-	-	-	-	-	-	-
2035	-	-	-	-	-	-	-	-
2036	-	-	-	-	-	-	-	-
2037	-	-	-	-	-	-	-	-
2038	-	-	-	-	-	-	-	-
2039	-	-	-	-	-	-	-	-
2040	-	-	-	-	-	-	-	-

NIPSCO Retirement 7H
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1
2021	0.01	0.01	1.49	1.87	2.35	2.66	1.33	-
2022	-	0.00	1.95	2.03	-	2.63	1.22	-
2023	-	-	0.86	0.89	-	2.86	1.29	-
2024	-	0.00	-	-	-	3.13	1.25	-
2025	-	0.00	-	-	-	2.81	1.22	-
2026	-	-	-	-	-	2.58	1.22	-
2027	-	-	-	-	-	2.51	1.38	-
2028	-	-	-	-	-	1.05	1.14	-
2029	-	-	-	-	-	-	1.35	-
2030	-	-	-	-	-	-	1.28	-
2031	-	-	-	-	-	-	1.25	-
2032	-	-	-	-	-	-	1.25	-
2033	-	-	-	-	-	-	1.23	-
2034	-	-	-	-	-	-	1.23	-
2035	-	-	-	-	-	-	1.21	-
2036	-	-	-	-	-	-	1.04	-
2037	-	-	-	-	-	-	1.25	-
2038	-	-	-	-	-	-	1.30	-
2039	-	-	-	-	-	-	1.38	-
2040	-	-	-	-	-	-	1.39	-

NIPSCO Retirement 7H
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1
2021	0.01	0.01	1.47	1.87	2.36	2.68	1.33	-
2022	-	0.00	1.88	1.95	-	2.51	1.32	-
2023	-	0.00	0.78	0.82	-	2.73	1.63	-
2024	-	0.02	-	-	-	2.95	1.67	-
2025	0.00	0.01	-	-	-	2.54	1.66	-
2026	-	-	-	-	-	2.70	1.56	-
2027	-	-	-	-	-	2.70	1.76	-
2028	-	-	-	-	-	1.07	1.44	-
2029	-	-	-	-	-	-	1.72	-
2030	-	-	-	-	-	-	1.63	-
2031	-	-	-	-	-	-	1.66	-
2032	-	-	-	-	-	-	1.65	-
2033	-	-	-	-	-	-	1.63	-
2034	-	-	-	-	-	-	1.56	-
2035	-	-	-	-	-	-	1.59	-
2036	-	-	-	-	-	-	1.31	-
2037	-	-	-	-	-	-	1.58	-
2038	-	-	-	-	-	-	1.49	-
2039	-	-	-	-	-	-	1.58	-
2040	-	-	-	-	-	-	1.60	-

NIPSCO Retirement 7H
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1
2021	0.01	0.01	1.47	1.88	2.36	2.68	1.33	-
2022	-	0.00	2.17	2.15	-	2.78	1.02	-
2023	-	-	0.88	0.91	-	2.92	0.95	-
2024	-	0.00	-	-	-	2.93	1.03	-
2025	-	0.00	-	-	-	2.56	0.81	-
2026	-	-	-	-	-	2.80	0.74	-
2027	-	-	-	-	-	2.71	0.80	-
2028	-	-	-	-	-	1.07	0.64	-
2029	-	-	-	-	-	-	0.74	-
2030	-	-	-	-	-	-	0.72	-
2031	-	-	-	-	-	-	0.86	-
2032	-	-	-	-	-	-	0.96	-
2033	-	-	-	-	-	-	1.00	-
2034	-	-	-	-	-	-	0.94	-
2035	-	-	-	-	-	-	0.84	-
2036	-	-	-	-	-	-	0.65	-
2037	-	-	-	-	-	-	0.76	-
2038	-	-	-	-	-	-	0.41	-
2039	-	-	-	-	-	-	0.00	-
2040	-	-	-	-	-	-	0.00	-

NIPSCO Retirement 7H
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1
2021	0.01	0.01	1.49	1.88	2.36	2.69	1.34	-
2022	-	0.00	1.89	2.01	-	2.56	1.21	-
2023	-	-	0.84	0.87	-	2.84	1.27	-
2024	-	0.00	-	-	-	3.10	1.22	-
2025	-	0.00	-	-	-	2.76	1.13	-
2026	-	-	-	-	-	2.89	1.01	-
2027	-	-	-	-	-	3.03	1.07	-
2028	-	-	-	-	-	1.11	0.79	-
2029	-	-	-	-	-	-	0.89	-
2030	-	-	-	-	-	-	0.89	-
2031	-	-	-	-	-	-	1.01	-
2032	-	-	-	-	-	-	0.35	-
2033	-	-	-	-	-	-	0.01	-
2034	-	-	-	-	-	-	0.01	-
2035	-	-	-	-	-	-	0.02	-
2036	-	-	-	-	-	-	0.01	-
2037	-	-	-	-	-	-	0.02	-
2038	-	-	-	-	-	-	0.03	-
2039	-	-	-	-	-	-	0.03	-
2040	-	-	-	-	-	-	0.03	-

Resource Emissions by Portfolio and Scenario - Replacements

Reference Case
NIPSCO Replacement 3A
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1	Gas CC A1
2021	0.01	0.01	1.49	1.87	2.35	2.66	1.33	-	-
2022	-	0.00	1.95	2.03	-	2.63	1.22	-	-
2023	-	-	0.86	0.89	-	2.86	1.29	-	-
2024	-	0.00	-	-	-	3.13	1.25	-	-
2025	-	0.00	-	-	-	2.80	1.22	-	-
2026	-	0.00	-	-	-	1.11	1.23	-	-
2027	-	0.00	-	-	-	-	1.40	-	-
2028	-	0.00	-	-	-	-	1.15	-	-
2029	-	-	-	-	-	-	1.36	-	-
2030	-	-	-	-	-	-	1.29	-	-
2031	-	-	-	-	-	-	1.27	-	-
2032	-	-	-	-	-	-	1.26	-	-
2033	-	-	-	-	-	-	1.24	-	-
2034	-	-	-	-	-	-	1.25	-	-
2035	-	-	-	-	-	-	1.23	-	-
2036	-	-	-	-	-	-	1.06	-	-
2037	-	-	-	-	-	-	1.27	-	-
2038	-	-	-	-	-	-	1.32	-	-
2039	-	-	-	-	-	-	1.39	-	-
2040	-	-	-	-	-	-	1.41	-	-

Status Quo Extended
NIPSCO Replacement 3A
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1	Gas CC A1
2021	0.01	0.01	1.47	1.87	2.36	2.68	1.33	-	-
2022	-	0.00	1.88	1.95	-	2.51	1.32	-	-
2023	-	0.00	0.78	0.82	-	2.73	1.63	-	-
2024	-	0.02	-	-	-	2.95	1.67	-	-
2025	0.00	0.02	-	-	-	2.54	1.66	-	-
2026	0.00	0.02	-	-	-	1.15	1.58	-	-
2027	0.00	0.01	-	-	-	-	1.78	-	-
2028	-	0.00	-	-	-	-	1.45	-	-
2029	-	-	-	-	-	-	1.74	-	-
2030	-	-	-	-	-	-	1.64	-	-
2031	-	-	-	-	-	-	1.68	-	-
2032	-	-	-	-	-	-	1.67	-	-
2033	-	-	-	-	-	-	1.65	-	-
2034	-	-	-	-	-	-	1.58	-	-
2035	-	-	-	-	-	-	1.61	-	-
2036	-	-	-	-	-	-	1.33	-	-
2037	-	-	-	-	-	-	1.59	-	-
2038	-	-	-	-	-	-	1.51	-	-
2039	-	-	-	-	-	-	1.60	-	-
2040	-	-	-	-	-	-	1.62	-	-

Aggressive Environmental Regulation
NIPSCO Replacement 3A
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1	Gas CC A1
2021	0.01	0.01	1.47	1.89	2.36	2.68	1.33	-	-
2022	-	0.00	2.17	2.15	-	2.78	1.02	-	-
2023	-	-	0.88	0.91	-	2.92	0.95	-	-
2024	-	0.00	-	-	-	2.93	1.03	-	-
2025	-	0.00	-	-	-	2.56	0.81	-	-
2026	-	0.00	-	-	-	1.22	0.69	-	-
2027	-	0.00	-	-	-	-	0.80	-	-
2028	-	-	-	-	-	-	0.65	-	-
2029	-	-	-	-	-	-	0.75	-	-
2030	-	-	-	-	-	-	0.73	-	-
2031	-	-	-	-	-	-	0.87	-	-
2032	-	-	-	-	-	-	0.97	-	-
2033	-	-	-	-	-	-	1.01	-	-
2034	-	-	-	-	-	-	0.96	-	-
2035	-	-	-	-	-	-	0.85	-	-
2036	-	-	-	-	-	-	0.65	-	-
2037	-	-	-	-	-	-	0.79	-	-
2038	-	-	-	-	-	-	0.74	-	-
2039	-	-	-	-	-	-	0.72	-	-
2040	-	-	-	-	-	-	0.69	-	-

Economy-Wide Decarbonization
NIPSCO Replacement 3A
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1	Gas CC A1
2021	0.01	0.01	1.49	1.88	2.36	2.69	1.34	-	-
2022	-	0.00	1.89	2.01	-	2.56	1.21	-	-
2023	-	-	0.84	0.87	-	2.84	1.27	-	-
2024	-	0.00	-	-	-	3.10	1.21	-	-
2025	-	0.00	-	-	-	2.76	1.13	-	-
2026	-	0.00	-	-	-	1.26	1.02	-	-
2027	-	0.00	-	-	-	-	1.08	-	-
2028	-	0.00	-	-	-	-	0.80	-	-
2029	-	-	-	-	-	-	0.90	-	-
2030	-	-	-	-	-	-	0.90	-	-
2031	-	-	-	-	-	-	1.03	-	-
2032	-	-	-	-	-	-	1.03	-	-
2033	-	-	-	-	-	-	0.99	-	-
2034	-	-	-	-	-	-	1.05	-	-
2035	-	-	-	-	-	-	1.21	-	-
2036	-	-	-	-	-	-	0.99	-	-
2037	-	-	-	-	-	-	1.36	-	-
2038	-	-	-	-	-	-	1.38	-	-
2039	-	-	-	-	-	-	1.44	-	-
2040	-	-	-	-	-	-	1.45	-	-

NIPSCO Replacement 3B
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1	Gas CC A1
2021	0.01	0.01	1.49	1.87	2.35	2.66	1.33	-	-
2022	-	0.00	1.95	2.03	-	2.63	1.22	-	-
2023	-	-	0.86	0.89	-	2.86	1.29	-	-
2024	-	0.00	-	-	-	3.13	1.25	-	-
2025	-	0.00	-	-	-	2.80	1.22	-	-
2026	-	0.00	-	-	-	1.11	1.23	-	-
2027	-	0.00	-	-	-	-	1.40	-	-
2028	-	0.00	-	-	-	-	1.15	-	-
2029	-	-	-	-	-	-	1.36	-	-
2030	-	-	-	-	-	-	1.29	-	-
2031	-	-	-	-	-	-	1.27	-	-
2032	-	-	-	-	-	-	1.26	-	-
2033	-	-	-	-	-	-	1.24	-	-
2034	-	-	-	-	-	-	1.25	-	-
2035	-	-	-	-	-	-	1.23	-	-
2036	-	-	-	-	-	-	1.06	-	-
2037	-	-	-	-	-	-	1.27	-	-
2038	-	-	-	-	-	-	1.32	-	-
2039	-	-	-	-	-	-	1.39	-	-
2040	-	-	-	-	-	-	1.41	-	-

NIPSCO Replacement 3B
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1	Gas CC A1
2021	0.01	0.01	1.47	1.87	2.36	2.68	1.33	-	-
2022	-	0.00	1.88	1.95	-	2.51	1.32	-	-
2023	-	0.00	0.78	0.82	-	2.73	1.63	-	-
2024	-	0.02	-	-	-	2.95	1.67	-	-
2025	0.00	0.02	-	-	-	2.54	1.66	-	-
2026	0.00	0.02	-	-	-	1.15	1.58	-	-
2027	0.00	0.01	-	-	-	-	1.78	-	-
2028	-	0.00	-	-	-	-	1.45	-	-
2029	-	-	-	-	-	-	1.74	-	-
2030	-	-	-	-	-	-	1.64	-	-
2031	-	-	-	-	-	-	1.68	-	-
2032	-	-	-	-	-	-	1.67	-	-
2033	-	-	-	-	-	-	1.65	-	-
2034	-	-	-	-	-	-	1.58	-	-
2035	-	-	-	-	-	-	1.61	-	-
2036	-	-	-	-	-	-	1.33	-	-
2037	-	-	-	-	-	-	1.59	-	-
2038	-	-	-	-	-	-	1.51	-	-
2039	-	-	-	-	-	-	1.60	-	-
2040	-	-	-	-	-	-	1.62	-	-

NIPSCO Replacement 3B
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1	Gas CC A1
2021	0.01	0.01	1.47	1.89	2.36	2.68	1.33	-	-
2022	-	0.00	2.17	2.15	-	2.78	1.02	-	-
2023	-	-	0.88	0.91	-	2.92	0.95	-	-
2024	-	0.00	-	-	-	2.93	1.03	-	-
2025	-	0.00	-	-	-	2.56	0.81	-	-
2026	-	0.00	-	-	-	1.22	0.69	-	-
2027	-	0.00	-	-	-	-	0.80	-	-
2028	-	-	-	-	-	-	0.65	-	-
2029	-	-	-	-	-	-	0.75	-	-
2030	-	-	-	-	-	-	0.73	-	-
2031	-	-	-	-	-	-	0.87	-	-
2032	-	-	-	-	-	-	0.97	-	-
2033	-	-	-	-	-	-	1.01	-	-
2034	-	-	-	-	-	-	0.96	-	-
2035	-	-	-	-	-	-	0.85	-	-
2036	-	-	-	-	-	-	0.65	-	-
2037	-	-	-	-	-	-	0.79	-	-
2038	-	-	-	-	-	-	0.74	-	-
2039	-	-	-	-	-	-	0.72	-	-
2040	-	-	-	-	-	-	0.69	-	-

NIPSCO Replacement 3B
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1	Gas CC A1
2021	0.01	0.01	1.49	1.88	2.36	2.69	1.34	-	-
2022	-	0.00	1.89	2.01	-	2.56	1.21	-	-
2023	-	-	0.84	0.87	-	2.84	1.27	-	-
2024	-	0.00	-	-	-	3.10	1.21	-	-
2025	-	0.00	-	-	-	2.76	1.13	-	-
2026	-	0.00	-	-	-	1.26	1.02	-	-
2027	-	0.00	-	-	-	-	1.08	-	-
2028	-	0.00	-	-	-	-	0.80	-	-
2029	-	-	-	-	-	-	0.90	-	-
2030	-	-	-	-	-	-	0.90	-	-
2031	-	-	-	-	-	-	1.03	-	-
2032	-	-	-	-	-	-	1.03	-	-
2033	-	-	-	-	-	-	0.99	-	-
2034	-	-	-	-	-	-	1.05	-	-
2035	-	-	-	-	-	-	1.21	-	-
2036	-	-	-	-	-	-	0.99	-	-
2037	-	-	-	-	-	-	1.36	-	-
2038	-	-	-	-	-	-	1.38	-	-
2039	-	-	-	-	-	-	1.44	-	-
2040	-	-	-	-	-	-	1.45	-	-

NIPSCO Replacement 3C
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1	Gas CC A1
2021	0.01	0.01	1.49	1.87	2.35	2.66	1.33	-	-
2022	-	0.00	1.95	2.03	-	2.63	1.22	-	-
2023	-	-	0.86	0.89	-	2.86	1.29	-	-
2024	-	0.00	-	-	-	3.13	1.25	-	-
2025	-	0.00	-	-	-	2.80	1.22	-	-
2026	-	0.00	-	-	-	1.11	1.23	-	0.96
2027	-	0.00	-	-	-	-	1.40	-	1.54
2028	-	0.00	-	-	-	-	1.15	-	1.52
2029	-	-	-	-	-	-	1.36	-	1.51
2030	-	-	-	-	-	-	1.29	-	1.47
2031	-	-	-	-	-	-	1.27	-	1.42
2032	-	-	-	-	-	-	1.26	-	1.40
2033	-	-	-	-	-	-	1.24	-	1.39
2034	-	-	-	-	-	-	1.25	-	1.42
2035	-	-	-	-	-	-	1.23	-	1.41
2036	-	-	-	-	-	-	1.06	-	1.41
2037	-	-	-	-	-	-	1.27	-	1.42
2038	-	-	-	-	-	-	1.32	-	1.51
2039	-	-	-	-	-	-	1.39	-	1.55
2040	-	-	-	-	-	-	1.41	-	1.54

NIPSCO Replacement 3C
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1	Gas CC A1
2021	0.01	0.01	1.47	1.87	2.36	2.68	1.33	-	-
2022	-	0.00	1.88	1.95	-	2.51	1.32	-	-
2023	-	0.00	0.78	0.82	-	2.73	1.63	-	-
2024	-	0.02	-	-	-	2.95	1.67	-	-
2025	0.00	0.02	-	-	-	2.54	1.66	-	-
2026	0.00	0.02	-	-	-	1.15	1.58	-	1.15
2027	0.00	0.01	-	-	-	-	1.78	-	1.85
2028	-	0.00	-	-	-	-	1.45	-	1.85
2029	-	-	-	-	-	-	1.74	-	1.82
2030	-	-	-	-	-	-	1.64	-	1.80
2031	-	-	-	-	-	-	1.68	-	1.75
2032	-	-	-	-	-	-	1.67	-	1.74
2033	-	-	-	-	-	-	1.65	-	1.73
2034	-	-	-	-	-	-	1.58	-	1.72
2035	-	-	-	-	-	-	1.61	-	1.67
2036	-	-	-	-	-	-	1.33	-	1.64
2037	-	-	-	-	-	-	1.59	-	1.65
2038	-	-	-	-	-	-	1.51	-	1.64
2039	-	-	-	-	-	-	1.60	-	1.68
2040	-	-	-	-	-	-	1.62	-	1.69

NIPSCO Replacement 3C
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1	Gas CC A1
2021	0.01	0.01	1.47	1.89	2.36	2.68	1.33	-	-
2022	-	0.00	2.17	2.15	-	2.78	1.02	-	-
2023	-	-	0.88	0.91	-	2.92	0.95	-	-
2024	-	0.00	-	-	-	2.93	1.03	-	-
2025	-	0.00	-	-	-	2.56	0.81	-	-
2026	-	0.00	-	-	-	1.22	0.69	-	0.64
2027	-	0.00	-	-	-	-	0.80	-	0.98
2028	-	-	-	-	-	-	0.65	-	0.94
2029	-	-	-	-	-	-	0.75	-	0.90
2030	-	-	-	-	-	-	0.73	-	0.89
2031	-	-	-	-	-	-	0.87	-	1.01
2032	-	-	-	-	-	-	0.97	-	1.14
2033	-	-	-	-	-	-	1.01	-	1.18
2034	-	-	-	-	-	-	0.96	-	1.17
2035	-	-	-	-	-	-	0.85	-	1.01
2036	-	-	-	-	-	-	0.65	-	0.95
2037	-	-	-	-	-	-	0.79	-	0.94
2038	-	-	-	-	-	-	0.74	-	0.93
2039	-	-	-	-	-	-	0.72	-	0.88
2040	-	-	-	-	-	-	0.69	-	0.85

NIPSCO Replacement 3C
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1	Gas CC A1
2021	0.01	0.01	1.49	1.88	2.36	2.69	1.34	-	-
2022	-	0.00	1.89	2.01	-	2.56	1.21	-	-
2023	-	-	0.84	0.87	-	2.84	1.27	-	-
2024	-	0.00	-	-	-	3.10	1.21	-	-
2025	-	0.00	-	-	-	2.76	1.13	-	-
2026	-	0.00	-	-	-	1.26	1.02	-	0.81
2027	-	0.00	-	-	-	-	1.08	-	1.19
2028	-	0.00	-	-	-	-	0.80	-	1.06
2029	-	-	-	-	-	-	0.90	-	0.99
2030	-	-	-	-	-	-	0.90	-	1.02
2031	-	-	-	-	-	-	1.03	-	1.13
2032	-	-	-	-	-	-	1.03	-	1.13
2033	-	-	-	-	-	-	0.99	-	1.10
2034	-	-	-	-	-	-	1.05	-	1.19
2035	-	-	-	-	-	-	1.21	-	1.30
2036	-	-	-	-	-	-	0.99	-	1.32
2037	-	-	-	-	-	-	1.36	-	1.47
2038	-	-	-	-	-	-	1.38	-	1.52
2039	-	-	-	-	-	-	1.44	-	1.53
2040	-	-	-	-	-	-	1.45	-	1.55

NIPSCO Replacement 3D
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1	Gas CC A1
2021	0.01	0.01	1.49	1.87	2.35	2.66	1.33	-	-
2022	-	0.00	1.95	2.03	-	2.63	1.22	-	-
2023	-	-	0.86	0.89	-	2.86	1.29	-	-
2024	-	0.00	-	-	-	3.13	1.25	-	-
2025	-	0.00	-	-	-	2.80	1.22	-	-
2026	-	0.00	-	-	-	1.11	1.23	-	-
2027	-	0.00	-	-	-	-	1.40	-	-
2028	-	0.00	-	-	-	-	1.15	-	-
2029	-	-	-	-	-	-	1.36	-	-
2030	-	-	-	-	-	-	1.29	-	-
2031	-	-	-	-	-	-	1.27	-	-
2032	-	-	-	-	-	-	1.26	-	-
2033	-	-	-	-	-	-	1.24	-	-
2034	-	-	-	-	-	-	1.25	-	-
2035	-	-	-	-	-	-	1.23	-	-
2036	-	-	-	-	-	-	1.06	-	-
2037	-	-	-	-	-	-	1.27	-	-
2038	-	-	-	-	-	-	1.32	-	-
2039	-	-	-	-	-	-	1.39	-	-
2040	-	-	-	-	-	-	1.41	-	-

NIPSCO Replacement 3D
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1	Gas CC A1
2021	0.01	0.01	1.47	1.87	2.36	2.68	1.33	-	-
2022	-	0.00	1.88	1.95	-	2.51	1.32	-	-
2023	-	0.00	0.78	0.82	-	2.73	1.63	-	-
2024	-	0.02	-	-	-	2.95	1.67	-	-
2025	0.00	0.02	-	-	-	2.54	1.66	-	-
2026	0.00	0.02	-	-	-	1.15	1.58	-	-
2027	0.00	0.01	-	-	-	-	1.78	-	-
2028	-	0.00	-	-	-	-	1.45	-	-
2029	-	-	-	-	-	-	1.74	-	-
2030	-	-	-	-	-	-	1.64	-	-
2031	-	-	-	-	-	-	1.68	-	-
2032	-	-	-	-	-	-	1.67	-	-
2033	-	-	-	-	-	-	1.65	-	-
2034	-	-	-	-	-	-	1.58	-	-
2035	-	-	-	-	-	-	1.61	-	-
2036	-	-	-	-	-	-	1.33	-	-
2037	-	-	-	-	-	-	1.59	-	-
2038	-	-	-	-	-	-	1.51	-	-
2039	-	-	-	-	-	-	1.60	-	-
2040	-	-	-	-	-	-	1.62	-	-

NIPSCO Replacement 3D
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1	Gas CC A1
2021	0.01	0.01	1.47	1.89	2.36	2.68	1.33	-	-
2022	-	0.00	2.17	2.15	-	2.78	1.02	-	-
2023	-	-	0.88	0.91	-	2.92	0.95	-	-
2024	-	0.00	-	-	-	2.93	1.03	-	-
2025	-	0.00	-	-	-	2.56	0.81	-	-
2026	-	0.00	-	-	-	1.22	0.69	-	-
2027	-	0.00	-	-	-	-	0.80	-	-
2028	-	-	-	-	-	-	0.65	-	-
2029	-	-	-	-	-	-	0.75	-	-
2030	-	-	-	-	-	-	0.73	-	-
2031	-	-	-	-	-	-	0.87	-	-
2032	-	-	-	-	-	-	0.97	-	-
2033	-	-	-	-	-	-	1.01	-	-
2034	-	-	-	-	-	-	0.96	-	-
2035	-	-	-	-	-	-	0.85	-	-
2036	-	-	-	-	-	-	0.65	-	-
2037	-	-	-	-	-	-	0.79	-	-
2038	-	-	-	-	-	-	0.74	-	-
2039	-	-	-	-	-	-	0.72	-	-
2040	-	-	-	-	-	-	0.69	-	-

NIPSCO Replacement 3D
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1	Gas CC A1
2021	0.01	0.01	1.49	1.88	2.36	2.69	1.34	-	-
2022	-	0.00	1.89	2.01	-	2.56	1.21	-	-
2023	-	-	0.84	0.87	-	2.84	1.27	-	-
2024	-	0.00	-	-	-	3.10	1.21	-	-
2025	-	0.00	-	-	-	2.76	1.13	-	-
2026	-	0.00	-	-	-	1.26	1.02	-	-
2027	-	0.00	-	-	-	-	1.08	-	-
2028	-	0.00	-	-	-	-	0.80	-	-
2029	-	-	-	-	-	-	0.90	-	-
2030	-	-	-	-	-	-	0.90	-	-
2031	-	-	-	-	-	-	1.03	-	-
2032	-	-	-	-	-	-	1.03	-	-
2033	-	-	-	-	-	-	0.99	-	-
2034	-	-	-	-	-	-	1.05	-	-
2035	-	-	-	-	-	-	1.21	-	-
2036	-	-	-	-	-	-	0.99	-	-
2037	-	-	-	-	-	-	1.36	-	-
2038	-	-	-	-	-	-	1.38	-	-
2039	-	-	-	-	-	-	1.44	-	-
2040	-	-	-	-	-	-	1.45	-	-

NIPSCO Replacement 3E
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1	Gas CC A1
2021	0.01	0.01	1.49	1.87	2.35	2.66	1.33	-	-
2022	-	0.00	1.95	2.03	-	2.63	1.22	-	-
2023	-	-	0.86	0.89	-	2.86	1.29	-	-
2024	-	0.00	-	-	-	3.13	1.25	-	-
2025	-	0.00	-	-	-	2.80	1.22	-	-
2026	-	0.00	-	-	-	1.11	1.23	-	-
2027	-	0.00	-	-	-	-	1.40	-	-
2028	-	0.00	-	-	-	-	1.15	-	-
2029	-	-	-	-	-	-	1.36	-	-
2030	-	-	-	-	-	-	1.29	-	-
2031	-	-	-	-	-	-	1.27	-	-
2032	-	-	-	-	-	-	1.26	-	-
2033	-	-	-	-	-	-	1.24	-	-
2034	-	-	-	-	-	-	1.25	-	-
2035	-	-	-	-	-	-	1.23	-	-
2036	-	-	-	-	-	-	1.06	-	-
2037	-	-	-	-	-	-	1.27	-	-
2038	-	-	-	-	-	-	1.32	-	-
2039	-	-	-	-	-	-	1.39	-	-
2040	-	-	-	-	-	-	1.41	-	-

NIPSCO Replacement 3E
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1	Gas CC A1
2021	0.01	0.01	1.47	1.87	2.36	2.68	1.33	-	-
2022	-	0.00	1.88	1.95	-	2.51	1.32	-	-
2023	-	0.00	0.78	0.82	-	2.73	1.63	-	-
2024	-	0.02	-	-	-	2.95	1.67	-	-
2025	0.00	0.02	-	-	-	2.54	1.66	-	-
2026	0.00	0.02	-	-	-	1.15	1.58	-	-
2027	0.00	0.01	-	-	-	-	1.78	-	-
2028	-	0.00	-	-	-	-	1.45	-	-
2029	-	-	-	-	-	-	1.74	-	-
2030	-	-	-	-	-	-	1.64	-	-
2031	-	-	-	-	-	-	1.68	-	-
2032	-	-	-	-	-	-	1.67	-	-
2033	-	-	-	-	-	-	1.65	-	-
2034	-	-	-	-	-	-	1.58	-	-
2035	-	-	-	-	-	-	1.61	-	-
2036	-	-	-	-	-	-	1.33	-	-
2037	-	-	-	-	-	-	1.59	-	-
2038	-	-	-	-	-	-	1.51	-	-
2039	-	-	-	-	-	-	1.60	-	-
2040	-	-	-	-	-	-	1.62	-	-

NIPSCO Replacement 3E
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1	Gas CC A1
2021	0.01	0.01	1.47	1.89	2.36	2.68	1.33	-	-
2022	-	0.00	2.17	2.15	-	2.78	1.02	-	-
2023	-	-	0.88	0.91	-	2.92	0.95	-	-
2024	-	0.00	-	-	-	2.93	1.03	-	-
2025	-	0.00	-	-	-	2.56	0.81	-	-
2026	-	0.00	-	-	-	1.22	0.69	-	-
2027	-	0.00	-	-	-	-	0.80	-	-
2028	-	-	-	-	-	-	0.65	-	-
2029	-	-	-	-	-	-	0.75	-	-
2030	-	-	-	-	-	-	0.73	-	-
2031	-	-	-	-	-	-	0.87	-	-
2032	-	-	-	-	-	-	0.97	-	-
2033	-	-	-	-	-	-	1.01	-	-
2034	-	-	-	-	-	-	0.96	-	-
2035	-	-	-	-	-	-	0.85	-	-
2036	-	-	-	-	-	-	0.65	-	-
2037	-	-	-	-	-	-	0.79	-	-
2038	-	-	-	-	-	-	0.74	-	-
2039	-	-	-	-	-	-	0.72	-	-
2040	-	-	-	-	-	-	0.69	-	-

NIPSCO Replacement 3E
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1	Gas CC A1
2021	0.01	0.01	1.49	1.88	2.36	2.69	1.34	-	-
2022	-	0.00	1.89	2.01	-	2.56	1.21	-	-
2023	-	-	0.84	0.87	-	2.84	1.27	-	-
2024	-	0.00	-	-	-	3.10	1.21	-	-
2025	-	0.00	-	-	-	2.76	1.13	-	-
2026	-	0.00	-	-	-	1.26	1.02	-	-
2027	-	0.00	-	-	-	-	1.08	-	-
2028	-	0.00	-	-	-	-	0.80	-	-
2029	-	-	-	-	-	-	0.90	-	-
2030	-	-	-	-	-	-	0.90	-	-
2031	-	-	-	-	-	-	1.03	-	-
2032	-	-	-	-	-	-	1.03	-	-
2033	-	-	-	-	-	-	0.99	-	-
2034	-	-	-	-	-	-	1.05	-	-
2035	-	-	-	-	-	-	1.21	-	-
2036	-	-	-	-	-	-	0.99	-	-
2037	-	-	-	-	-	-	1.36	-	-
2038	-	-	-	-	-	-	1.38	-	-
2039	-	-	-	-	-	-	1.44	-	-
2040	-	-	-	-	-	-	1.45	-	-

NIPSCO Replacement 3F
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1	Gas CC A1
2021	0.01	0.01	1.49	1.87	2.35	2.66	1.33	-	-
2022	-	0.00	1.95	2.03	-	2.63	1.22	-	-
2023	-	-	0.86	0.89	-	2.86	1.29	-	-
2024	-	0.00	-	-	-	3.13	1.25	-	-
2025	-	0.00	-	-	-	2.80	1.22	-	-
2026	-	0.00	-	-	-	1.11	1.23	0.04	-
2027	-	0.00	-	-	-	-	1.40	0.05	-
2028	-	0.00	-	-	-	-	1.15	0.05	-
2029	-	-	-	-	-	-	1.36	0.07	-
2030	-	-	-	-	-	-	1.29	0.06	-
2031	-	-	-	-	-	-	1.27	0.06	-
2032	-	-	-	-	-	-	1.26	0.05	-
2033	-	-	-	-	-	-	1.24	0.05	-
2034	-	-	-	-	-	-	1.25	0.05	-
2035	-	-	-	-	-	-	1.23	0.07	-
2036	-	-	-	-	-	-	1.06	0.07	-
2037	-	-	-	-	-	-	1.27	0.07	-
2038	-	-	-	-	-	-	1.32	0.09	-
2039	-	-	-	-	-	-	1.39	0.09	-
2040	-	-	-	-	-	-	1.41	0.09	-

NIPSCO Replacement 3F
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1	Gas CC A1
2021	0.01	0.01	1.47	1.87	2.36	2.68	1.33	-	-
2022	-	0.00	1.88	1.95	-	2.51	1.32	-	-
2023	-	0.00	0.78	0.82	-	2.73	1.63	-	-
2024	-	0.02	-	-	-	2.95	1.67	-	-
2025	0.00	0.02	-	-	-	2.54	1.66	-	-
2026	0.00	0.02	-	-	-	1.15	1.58	0.13	-
2027	0.00	0.01	-	-	-	-	1.78	0.16	-
2028	-	0.00	-	-	-	-	1.45	0.16	-
2029	-	-	-	-	-	-	1.74	0.17	-
2030	-	-	-	-	-	-	1.64	0.16	-
2031	-	-	-	-	-	-	1.68	0.15	-
2032	-	-	-	-	-	-	1.67	0.14	-
2033	-	-	-	-	-	-	1.65	0.15	-
2034	-	-	-	-	-	-	1.58	0.14	-
2035	-	-	-	-	-	-	1.61	0.15	-
2036	-	-	-	-	-	-	1.33	0.13	-
2037	-	-	-	-	-	-	1.59	0.13	-
2038	-	-	-	-	-	-	1.51	0.12	-
2039	-	-	-	-	-	-	1.60	0.14	-
2040	-	-	-	-	-	-	1.62	0.14	-

NIPSCO Replacement 3F
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1	Gas CC A1
2021	0.01	0.01	1.47	1.89	2.36	2.68	1.33	-	-
2022	-	0.00	2.17	2.15	-	2.78	1.02	-	-
2023	-	-	0.88	0.91	-	2.92	0.95	-	-
2024	-	0.00	-	-	-	2.93	1.03	-	-
2025	-	0.00	-	-	-	2.56	0.81	-	-
2026	-	0.00	-	-	-	1.22	0.69	0.00	-
2027	-	0.00	-	-	-	-	0.80	0.01	-
2028	-	-	-	-	-	-	0.65	0.01	-
2029	-	-	-	-	-	-	0.75	0.02	-
2030	-	-	-	-	-	-	0.73	0.02	-
2031	-	-	-	-	-	-	0.87	0.03	-
2032	-	-	-	-	-	-	0.97	0.04	-
2033	-	-	-	-	-	-	1.01	0.03	-
2034	-	-	-	-	-	-	0.96	0.03	-
2035	-	-	-	-	-	-	0.85	0.03	-
2036	-	-	-	-	-	-	0.65	0.03	-
2037	-	-	-	-	-	-	0.79	0.03	-
2038	-	-	-	-	-	-	0.74	0.02	-
2039	-	-	-	-	-	-	0.72	0.02	-
2040	-	-	-	-	-	-	0.69	0.01	-

NIPSCO Replacement 3F
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1	Gas CC A1
2021	0.01	0.01	1.49	1.88	2.36	2.69	1.34	-	-
2022	-	0.00	1.89	2.01	-	2.56	1.21	-	-
2023	-	-	0.84	0.87	-	2.84	1.27	-	-
2024	-	0.00	-	-	-	3.10	1.21	-	-
2025	-	0.00	-	-	-	2.76	1.13	-	-
2026	-	0.00	-	-	-	1.26	1.02	0.02	-
2027	-	0.00	-	-	-	-	1.08	0.03	-
2028	-	0.00	-	-	-	-	0.80	0.03	-
2029	-	-	-	-	-	-	0.90	0.05	-
2030	-	-	-	-	-	-	0.90	0.06	-
2031	-	-	-	-	-	-	1.03	0.07	-
2032	-	-	-	-	-	-	1.03	0.07	-
2033	-	-	-	-	-	-	0.99	0.06	-
2034	-	-	-	-	-	-	1.05	0.06	-
2035	-	-	-	-	-	-	1.21	0.09	-
2036	-	-	-	-	-	-	0.99	0.09	-
2037	-	-	-	-	-	-	1.36	0.12	-
2038	-	-	-	-	-	-	1.38	0.15	-
2039	-	-	-	-	-	-	1.44	0.16	-
2040	-	-	-	-	-	-	1.45	0.16	-

NIPSCO Replacement 3G
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1	Gas CC A1
2021	0.01	0.01	1.49	1.87	2.35	2.66	1.33	-	-
2022	-	0.00	1.95	2.03	-	2.63	1.22	-	-
2023	-	-	0.86	0.89	-	2.86	1.29	-	-
2024	-	0.00	-	-	-	3.13	1.25	-	-
2025	-	0.00	-	-	-	2.80	1.22	-	-
2026	-	0.00	-	-	-	1.11	1.23	-	-
2027	-	0.00	-	-	-	-	1.25	-	-
2028	-	0.00	-	-	-	-	1.01	-	-
2029	-	-	-	-	-	-	1.21	-	-
2030	-	-	-	-	-	-	1.15	-	-
2031	-	-	-	-	-	-	1.12	-	-
2032	-	-	-	-	-	-	0.44	-	-
2033	-	-	-	-	-	-	-	-	-
2034	-	-	-	-	-	-	-	-	-
2035	-	-	-	-	-	-	-	-	-
2036	-	-	-	-	-	-	-	-	-
2037	-	-	-	-	-	-	-	-	-
2038	-	-	-	-	-	-	-	-	-
2039	-	-	-	-	-	-	-	-	-
2040	-	-	-	-	-	-	-	-	-

NIPSCO Replacement 3G
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1	Gas CC A1
2021	0.01	0.01	1.47	1.87	2.36	2.68	1.33	-	-
2022	-	0.00	1.88	1.95	-	2.51	1.32	-	-
2023	-	0.00	0.78	0.82	-	2.73	1.63	-	-
2024	-	0.02	-	-	-	2.95	1.67	-	-
2025	0.00	0.02	-	-	-	2.54	1.66	-	-
2026	0.00	0.02	-	-	-	1.15	1.58	-	-
2027	0.00	0.01	-	-	-	-	1.61	-	-
2028	-	0.00	-	-	-	-	1.32	-	-
2029	-	-	-	-	-	-	1.58	-	-
2030	-	-	-	-	-	-	1.50	-	-
2031	-	-	-	-	-	-	1.52	-	-
2032	-	-	-	-	-	-	0.61	-	-
2033	-	-	-	-	-	-	-	-	-
2034	-	-	-	-	-	-	-	-	-
2035	-	-	-	-	-	-	-	-	-
2036	-	-	-	-	-	-	-	-	-
2037	-	-	-	-	-	-	-	-	-
2038	-	-	-	-	-	-	-	-	-
2039	-	-	-	-	-	-	-	-	-
2040	-	-	-	-	-	-	-	-	-

NIPSCO Replacement 3G
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1	Gas CC A1
2021	0.01	0.01	1.47	1.89	2.36	2.68	1.33	-	-
2022	-	0.00	2.17	2.15	-	2.78	1.02	-	-
2023	-	-	0.88	0.91	-	2.92	0.95	-	-
2024	-	0.00	-	-	-	2.93	1.03	-	-
2025	-	0.00	-	-	-	2.56	0.81	-	-
2026	-	0.00	-	-	-	1.22	0.69	-	-
2027	-	0.00	-	-	-	-	0.64	-	-
2028	-	-	-	-	-	-	0.50	-	-
2029	-	-	-	-	-	-	0.62	-	-
2030	-	-	-	-	-	-	0.62	-	-
2031	-	-	-	-	-	-	0.74	-	-
2032	-	-	-	-	-	-	0.28	-	-
2033	-	-	-	-	-	-	-	-	-
2034	-	-	-	-	-	-	-	-	-
2035	-	-	-	-	-	-	-	-	-
2036	-	-	-	-	-	-	-	-	-
2037	-	-	-	-	-	-	-	-	-
2038	-	-	-	-	-	-	-	-	-
2039	-	-	-	-	-	-	-	-	-
2040	-	-	-	-	-	-	-	-	-

NIPSCO Replacement 3G
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1	Gas CC A1
2021	0.01	0.01	1.49	1.88	2.36	2.69	1.34	-	-
2022	-	0.00	1.89	2.01	-	2.56	1.21	-	-
2023	-	-	0.84	0.87	-	2.84	1.27	-	-
2024	-	0.00	-	-	-	3.10	1.21	-	-
2025	-	0.00	-	-	-	2.76	1.13	-	-
2026	-	0.00	-	-	-	1.26	1.02	-	-
2027	-	0.00	-	-	-	-	0.94	-	-
2028	-	0.00	-	-	-	-	0.69	-	-
2029	-	-	-	-	-	-	0.77	-	-
2030	-	-	-	-	-	-	0.78	-	-
2031	-	-	-	-	-	-	0.89	-	-
2032	-	-	-	-	-	-	0.30	-	-
2033	-	-	-	-	-	-	-	-	-
2034	-	-	-	-	-	-	-	-	-
2035	-	-	-	-	-	-	-	-	-
2036	-	-	-	-	-	-	-	-	-
2037	-	-	-	-	-	-	-	-	-
2038	-	-	-	-	-	-	-	-	-
2039	-	-	-	-	-	-	-	-	-
2040	-	-	-	-	-	-	-	-	-

NIPSCO Replacement 3H
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1	Gas CC A1
2021	0.01	0.01	1.49	1.87	2.35	2.66	1.33	-	-
2022	-	0.00	1.95	2.03	-	2.63	1.22	-	-
2023	-	-	0.86	0.89	-	2.86	1.29	-	-
2024	-	0.00	-	-	-	3.13	1.25	-	-
2025	-	0.00	-	-	-	2.80	1.22	-	-
2026	-	0.00	-	-	-	1.11	1.23	-	-
2027	-	0.00	-	-	-	-	1.25	-	-
2028	-	0.00	-	-	-	-	1.01	-	-
2029	-	-	-	-	-	-	1.21	-	-
2030	-	-	-	-	-	-	1.15	-	-
2031	-	-	-	-	-	-	1.12	-	-
2032	-	-	-	-	-	-	0.44	-	-
2033	-	-	-	-	-	-	-	-	-
2034	-	-	-	-	-	-	-	-	-
2035	-	-	-	-	-	-	-	-	-
2036	-	-	-	-	-	-	-	-	-
2037	-	-	-	-	-	-	-	-	-
2038	-	-	-	-	-	-	-	-	-
2039	-	-	-	-	-	-	-	-	-
2040	-	-	-	-	-	-	-	-	-

NIPSCO Replacement 3H
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1	Gas CC A1
2021	0.01	0.01	1.47	1.87	2.36	2.68	1.33	-	-
2022	-	0.00	1.88	1.95	-	2.51	1.32	-	-
2023	-	0.00	0.78	0.82	-	2.73	1.63	-	-
2024	-	0.02	-	-	-	2.95	1.67	-	-
2025	0.00	0.02	-	-	-	2.54	1.66	-	-
2026	0.00	0.02	-	-	-	1.15	1.58	-	-
2027	0.00	0.01	-	-	-	-	1.61	-	-
2028	-	0.00	-	-	-	-	1.32	-	-
2029	-	-	-	-	-	-	1.58	-	-
2030	-	-	-	-	-	-	1.50	-	-
2031	-	-	-	-	-	-	1.52	-	-
2032	-	-	-	-	-	-	0.61	-	-
2033	-	-	-	-	-	-	-	-	-
2034	-	-	-	-	-	-	-	-	-
2035	-	-	-	-	-	-	-	-	-
2036	-	-	-	-	-	-	-	-	-
2037	-	-	-	-	-	-	-	-	-
2038	-	-	-	-	-	-	-	-	-
2039	-	-	-	-	-	-	-	-	-
2040	-	-	-	-	-	-	-	-	-

NIPSCO Replacement 3H
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1	Gas CC A1
2021	0.01	0.01	1.47	1.89	2.36	2.68	1.33	-	-
2022	-	0.00	2.17	2.15	-	2.78	1.02	-	-
2023	-	-	0.88	0.91	-	2.92	0.95	-	-
2024	-	0.00	-	-	-	2.93	1.03	-	-
2025	-	0.00	-	-	-	2.56	0.81	-	-
2026	-	0.00	-	-	-	1.22	0.69	-	-
2027	-	0.00	-	-	-	-	0.64	-	-
2028	-	-	-	-	-	-	0.50	-	-
2029	-	-	-	-	-	-	0.62	-	-
2030	-	-	-	-	-	-	0.62	-	-
2031	-	-	-	-	-	-	0.74	-	-
2032	-	-	-	-	-	-	0.28	-	-
2033	-	-	-	-	-	-	-	-	-
2034	-	-	-	-	-	-	-	-	-
2035	-	-	-	-	-	-	-	-	-
2036	-	-	-	-	-	-	-	-	-
2037	-	-	-	-	-	-	-	-	-
2038	-	-	-	-	-	-	-	-	-
2039	-	-	-	-	-	-	-	-	-
2040	-	-	-	-	-	-	-	-	-

NIPSCO Replacement 3H
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1	Gas CC A1
2021	0.01	0.01	1.49	1.88	2.36	2.69	1.34	-	-
2022	-	0.00	1.89	2.01	-	2.56	1.21	-	-
2023	-	-	0.84	0.87	-	2.84	1.27	-	-
2024	-	0.00	-	-	-	3.10	1.21	-	-
2025	-	0.00	-	-	-	2.76	1.13	-	-
2026	-	0.00	-	-	-	1.26	1.02	-	-
2027	-	0.00	-	-	-	-	0.94	-	-
2028	-	0.00	-	-	-	-	0.69	-	-
2029	-	-	-	-	-	-	0.77	-	-
2030	-	-	-	-	-	-	0.78	-	-
2031	-	-	-	-	-	-	0.89	-	-
2032	-	-	-	-	-	-	0.30	-	-
2033	-	-	-	-	-	-	-	-	-
2034	-	-	-	-	-	-	-	-	-
2035	-	-	-	-	-	-	-	-	-
2036	-	-	-	-	-	-	-	-	-
2037	-	-	-	-	-	-	-	-	-
2038	-	-	-	-	-	-	-	-	-
2039	-	-	-	-	-	-	-	-	-
2040	-	-	-	-	-	-	-	-	-

NIPSCO Replacement 3I
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1	Gas CC A1
2021	0.01	0.01	1.49	1.87	2.35	2.66	1.33	-	-
2022	-	0.00	1.95	2.03	-	2.63	1.22	-	-
2023	-	-	0.86	0.89	-	2.86	1.29	-	-
2024	-	0.00	-	-	-	3.13	1.25	-	-
2025	-	0.00	-	-	-	2.80	1.22	-	-
2026	-	0.00	-	-	-	1.11	1.22	-	-
2027	-	0.00	-	-	-	-	1.38	-	-
2028	-	0.00	-	-	-	-	1.13	-	-
2029	-	-	-	-	-	-	1.35	-	-
2030	-	-	-	-	-	-	1.28	-	-
2031	-	-	-	-	-	-	1.25	-	-
2032	-	-	-	-	-	-	1.25	-	-
2033	-	-	-	-	-	-	1.23	-	-
2034	-	-	-	-	-	-	1.23	-	-
2035	-	-	-	-	-	-	1.21	-	-
2036	-	-	-	-	-	-	1.04	-	-
2037	-	-	-	-	-	-	1.25	-	-
2038	-	-	-	-	-	-	1.30	-	-
2039	-	-	-	-	-	-	1.38	-	-
2040	-	-	-	-	-	-	1.39	-	-

NIPSCO Replacement 3I
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1	Gas CC A1
2021	0.01	0.01	1.47	1.87	2.36	2.68	1.33	-	-
2022	-	0.00	1.88	1.95	-	2.51	1.32	-	-
2023	-	0.00	0.78	0.82	-	2.73	1.63	-	-
2024	-	0.02	-	-	-	2.95	1.67	-	-
2025	0.00	0.02	-	-	-	2.54	1.66	-	-
2026	0.00	0.02	-	-	-	1.15	1.56	-	-
2027	0.00	0.01	-	-	-	-	1.75	-	-
2028	-	0.00	-	-	-	-	1.44	-	-
2029	-	-	-	-	-	-	1.72	-	-
2030	-	-	-	-	-	-	1.62	-	-
2031	-	-	-	-	-	-	1.66	-	-
2032	-	-	-	-	-	-	1.65	-	-
2033	-	-	-	-	-	-	1.63	-	-
2034	-	-	-	-	-	-	1.56	-	-
2035	-	-	-	-	-	-	1.59	-	-
2036	-	-	-	-	-	-	1.31	-	-
2037	-	-	-	-	-	-	1.58	-	-
2038	-	-	-	-	-	-	1.49	-	-
2039	-	-	-	-	-	-	1.58	-	-
2040	-	-	-	-	-	-	1.60	-	-

NIPSCO Replacement 3I
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1	Gas CC A1
2021	0.01	0.01	1.47	1.89	2.36	2.68	1.33	-	-
2022	-	0.00	2.17	2.15	-	2.78	1.02	-	-
2023	-	-	0.88	0.91	-	2.92	0.95	-	-
2024	-	0.00	-	-	-	2.93	1.03	-	-
2025	-	0.00	-	-	-	2.56	0.81	-	-
2026	-	0.00	-	-	-	1.22	0.74	-	-
2027	-	0.00	-	-	-	-	0.80	-	-
2028	-	-	-	-	-	-	0.64	-	-
2029	-	-	-	-	-	-	0.74	-	-
2030	-	-	-	-	-	-	0.72	-	-
2031	-	-	-	-	-	-	0.85	-	-
2032	-	-	-	-	-	-	0.96	-	-
2033	-	-	-	-	-	-	1.00	-	-
2034	-	-	-	-	-	-	0.94	-	-
2035	-	-	-	-	-	-	0.84	-	-
2036	-	-	-	-	-	-	0.65	-	-
2037	-	-	-	-	-	-	0.76	-	-
2038	-	-	-	-	-	-	0.41	-	-
2039	-	-	-	-	-	-	0.00	-	-
2040	-	-	-	-	-	-	0.00	-	-

NIPSCO Replacement 3I
Million Short Tons CO2

	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	RM Schahfer #15	Michigan City #12	Sugar Creek	Gas Peaking A1	Gas CC A1
2021	0.01	0.01	1.49	1.88	2.36	2.69	1.34	-	-
2022	-	0.00	1.89	2.01	-	2.56	1.21	-	-
2023	-	-	0.84	0.87	-	2.84	1.27	-	-
2024	-	0.00	-	-	-	3.10	1.21	-	-
2025	-	0.00	-	-	-	2.76	1.13	-	-
2026	-	0.00	-	-	-	1.26	1.02	-	-
2027	-	0.00	-	-	-	-	1.07	-	-
2028	-	0.00	-	-	-	-	0.79	-	-
2029	-	-	-	-	-	-	0.89	-	-
2030	-	-	-	-	-	-	0.89	-	-
2031	-	-	-	-	-	-	1.02	-	-
2032	-	-	-	-	-	-	0.35	-	-
2033	-	-	-	-	-	-	0.01	-	-
2034	-	-	-	-	-	-	0.01	-	-
2035	-	-	-	-	-	-	0.02	-	-
2036	-	-	-	-	-	-	0.01	-	-
2037	-	-	-	-	-	-	0.02	-	-
2038	-	-	-	-	-	-	0.03	-	-
2039	-	-	-	-	-	-	0.03	-	-
2040	-	-	-	-	-	-	0.03	-	-

Revenue Requirement Summary by Component (nominal $) - Existing Fleet Portfolios by Scenario

Component	Description
Total Portfolio Cost	The total variable costs associated with operating the portfolio, including fuel, emissions, VOM, contract (PPA) costs, and net market purchases from the MISO energy market: the sum of Total Owned Cost, Net Market Purchases, and Contract Cost
Total Owned Cost	The sum of all variable costs associated with owned generating assets, including fuel, emissions, and VOM
Net Market Purchases	Energy market purchases from MISO less energy market sales to MISO
Contract Cost	The sum of all contract or PPA costs plus costs associated with new DSM programs
Gross REC Purchase Cost	cost is partially or fully offset by REC revenue gained from portfolio resources and PPAs, which are incorporated in the 'Total Owned Cost' and 'Contract Cost' line items, respectively.
FOM	The sum of fixed operations and maintenance costs associated with existing and new assets
Book Depreciation	The depreciation expense associated with existing and new owned assets
Taxes	The income and property taxes associated with existing and new assets
Capital Charge	The return on rate base associated with existing and new assets
Other Fixed Charges	Cash Payouts to Tax Equity partner
Total Revenue Requirement	The sum of Total Portfolio Cost, FOM, Book Depreciation, Taxes, Capital Charge, and Other Fixed Charges

REFERENCE CASE
NIPSCO Retirement 1

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
4,010	*Total Portfolio Cost*	338,819,324	316,066,621	305,827,777	248,324,511	253,156,557	284,824,770	288,906,746	303,702,249	280,648,075	285,642,887
2,568	*Total Owned Cost*	282,022,906	236,422,094	201,942,656	172,316,063	167,494,516	206,339,094	228,375,078	210,680,641	239,962,719	240,592,938
-1,181	*Net Market Purchases*	(47,155,691)	(34,586,246)	(65,858,473)	(116,252,783)	(104,803,625)	(115,995,680)	(137,723,031)	(108,041,137)	(137,843,621)	(134,707,383)
2,622	*Contract Cost*	103,952,109	114,230,774	169,743,594	192,261,232	190,465,667	194,481,356	198,254,699	201,062,746	178,528,977	179,757,332
1,306	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	99,539,874	97,906,162	113,064,817	107,508,122	112,071,758	111,145,324
2,332	*Book Depreciation*	180,431,378	196,503,797	244,772,166	245,270,048	245,760,124	247,348,686	252,581,734	253,071,591	253,610,491	255,260,357
693	*Taxes*	41,579,442	48,535,568	78,453,380	98,859,759	93,759,503	88,940,524	85,650,582	80,927,407	73,542,446	66,794,689
1,716	*Capital Charge*	139,839,538	150,946,575	208,848,922	246,493,889	228,185,342	211,099,789	198,737,348	184,662,921	165,434,526	147,423,202
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
10,149	*Total Revenue Requirement*	822,655,230	845,724,883	965,935,781	960,320,988	942,812,592	952,728,259	961,579,272	952,324,452	903,202,226	869,534,169

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
294,935,763	306,306,775	316,403,553	320,894,298	324,800,055	326,342,736	323,926,809	337,416,852	355,647,135	365,794,570
247,357,531	194,771,828	152,098,594	157,403,375	161,692,906	145,667,094	176,113,031	189,708,500	206,215,844	214,773,250
(132,979,805)	(94,344,945)	(57,336,477)	(58,709,430)	(92,265,281)	(81,965,859)	(112,734,883)	(110,198,805)	(94,916,211)	(108,450,211)
180,558,037	205,879,893	221,641,435	222,200,353	255,372,430	262,641,501	260,548,660	257,907,157	244,347,502	259,471,531
114,489,360	94,545,938	79,928,480	84,563,849	83,619,584	87,677,600	97,312,244	100,620,921	101,490,816	105,230,489
255,413,053	265,165,886	265,307,114	91,081,013	91,203,512	91,340,864	99,480,068	100,225,026	100,346,054	99,291,487
59,834,684	53,823,012	48,210,730	44,189,944	41,855,557	38,266,795	39,252,435	40,189,169	36,225,014	32,042,182
129,082,880	120,037,682	110,435,030	98,824,854	94,095,157	86,942,530	88,622,827	90,208,056	82,328,629	74,026,292
-	-	-	-	-	-	-	-	-	-
853,755,740	839,879,295	820,284,906	639,553,958	635,573,864	630,570,526	648,594,383	668,660,025	676,037,648	676,385,019

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
427,441,136	417,853,845	463,252,180	485,865,468	513,981,124	539,234,627	554,582,950	570,387,323	586,790,387	602,947,423
219,283,488	223,888,442	228,590,099	233,390,491	238,291,691	243,295,817	248,405,029	253,621,534	258,947,587	264,385,486
(110,727,665)	(113,052,946)	(115,427,058)	(117,851,026)	(120,325,898)	(122,852,742)	(125,432,649)	(128,066,735)	(130,756,137)	(133,502,015)
318,885,313	307,018,349	350,089,139	370,326,004	396,015,331	418,791,552	431,610,571	444,832,524	458,598,937	472,063,952
107,440,329	109,696,576	112,000,205	114,352,209	116,753,605	119,205,431	121,708,745	124,264,629	126,874,186	129,538,544
97,871,230	97,989,122	98,109,490	98,232,385	98,357,861	98,485,972	97,466,773	97,600,322	97,736,674	97,819,190
28,015,886	24,079,605	20,211,837	16,503,658	12,954,976	9,467,623	6,049,566	2,739,257	(527,291)	(3,609,997)
66,025,803	58,198,892	50,504,034	43,117,095	36,037,894	29,076,857	22,249,359	15,629,652	9,094,164	2,913,398
-	-	-	-	-	-	-	-	-	-
726,794,384	707,818,040	744,077,745	758,070,816	778,085,459	795,470,510	802,057,393	810,621,182	819,968,121	829,608,558

NIPSCO Retirement 2

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
4,039	*Total Portfolio Cost*	338,819,324	316,066,621	305,827,777	248,324,511	253,156,557	284,988,879	289,035,941	309,403,339	292,524,196	297,850,270
2,375	*Total Owned Cost*	282,022,906	236,422,094	201,942,656	172,316,063	167,494,516	206,339,094	228,375,078	158,882,000	146,806,156	143,880,984
-1,026	*Net Market Purchases*	(47,155,691)	(34,586,246)	(65,858,473)	(116,252,783)	(104,803,625)	(124,788,258)	(146,669,023)	(59,754,016)	(42,122,422)	(53,960,563)
2,690	*Contract Cost*	103,952,109	114,230,774	169,743,594	192,261,232	190,465,667	203,438,043	207,329,887	210,275,355	187,840,462	207,929,848
1,245	*FOM*	121,767,387	132,602,897	117,921,573	100,303,757	101,162,049	95,688,162	106,410,817	93,805,435	80,720,985	83,644,124
2,343	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,174,714	245,664,791	247,178,353	252,186,401	261,545,417	262,020,876	263,624,736
681	*Taxes*	41,579,442	48,477,171	78,339,187	98,753,410	93,660,720	88,802,522	85,343,792	79,440,708	71,408,367	65,497,263
1,729	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,288,520	227,994,584	210,833,295	198,144,910	193,813,077	184,015,454	164,935,987
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
10,130	*Total Revenue Requirement*	822,437,070	844,855,916	964,886,747	961,492,290	944,049,892	950,099,539	953,759,905	960,460,138	908,584,809	878,820,091

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
306,635,747	309,227,221	314,948,334	319,505,064	323,512,102	325,154,111	322,843,356	336,436,133	354,769,244	365,018,914
146,661,625	149,847,813	152,098,594	157,403,375	161,692,906	145,667,094	176,113,031	189,708,500	206,215,844	214,773,250
(60,516,258)	(61,054,656)	(57,336,477)	(58,709,430)	(92,265,281)	(81,965,859)	(112,734,883)	(110,198,805)	(94,916,211)	(108,450,211)
220,490,380	220,434,065	220,186,217	220,811,118	254,084,477	261,452,876	259,465,207	256,926,438	243,469,611	258,695,875
86,015,905	81,538,068	79,928,480	84,563,849	83,619,584	87,677,600	97,312,244	100,620,921	101,490,816	105,230,489
263,782,209	264,053,868	264,195,814	89,970,446	90,093,693	90,231,809	98,371,792	99,117,548	99,239,388	98,185,651
59,443,693	52,665,912	45,871,037	41,958,058	39,709,887	36,183,920	37,211,293	38,175,030	34,233,143	30,072,695
145,655,519	125,107,489	104,572,933	93,227,462	88,720,772	81,745,922	83,563,327	85,257,217	77,477,310	69,274,716
-	-	-	-	-	-	-	-	-	-
861,533,074	832,592,558	809,516,597	629,224,878	625,656,039	620,993,362	639,302,012	659,606,849	667,209,901	667,782,465

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
426,665,475	417,078,183	468,978,254	491,932,303	520,394,983	546,003,559	561,708,506	577,883,885	594,664,652	626,874,867
219,283,488	223,888,442	228,590,099	233,390,491	238,291,691	243,295,817	248,405,029	253,621,534	258,947,587	264,385,486
(110,727,665)	(113,052,946)	(115,427,058)	(117,851,026)	(120,325,898)	(122,852,742)	(125,432,649)	(128,066,735)	(130,756,137)	(133,502,015)
318,109,652	306,242,688	355,815,213	376,392,839	402,429,190	425,560,485	438,736,127	452,329,086	466,473,202	495,991,397
107,440,329	109,696,576	112,000,205	114,352,209	116,753,605	119,205,431	121,708,745	124,264,629	126,874,186	129,538,544
96,766,243	96,885,000	97,006,251	97,130,048	97,256,445	97,385,497	96,367,258	96,501,787	96,639,140	96,722,678
26,068,766	22,154,500	18,347,684	14,779,506	11,410,463	8,102,496	4,820,550	1,560,228	(1,699,728)	(4,102,783)
61,373,936	53,646,055	46,125,418	39,065,349	32,389,563	25,831,452	19,323,314	12,856,654	6,390,412	1,578,626
-	-	-	-	-	-	-	-	-	-
718,314,749	699,460,314	742,457,811	757,259,414	778,205,060	796,528,435	803,928,373	813,067,183	822,868,662	850,611,931

NIPSCO Retirement 3

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
4,052	*Total Portfolio Cost*	338,819,324	316,066,621	305,827,777	248,324,511	253,156,557	291,092,285	298,636,652	313,701,386	292,524,196	297,850,270
2,263	*Total Owned Cost*	282,022,906	236,422,094	201,942,656	172,316,063	167,494,516	155,234,891	136,907,766	119,308,195	146,806,156	143,880,984
-901	*Net Market Purchases*	(47,155,691)	(34,586,246)	(65,858,473)	(116,252,783)	(104,803,625)	(67,580,648)	(45,601,000)	(15,882,164)	(42,122,422)	(53,960,563)
2,690	*Contract Cost*	103,952,109	114,230,774	169,743,594	192,261,232	190,465,667	203,438,043	207,329,887	210,275,355	187,840,462	207,929,848
1,211	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	99,539,874	83,969,685	77,697,997	81,636,598	80,720,985	83,644,124
2,351	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,174,714	245,558,124	255,708,891	260,707,444	261,116,441	261,591,901	263,195,760
669	*Taxes*	41,579,442	48,477,171	78,339,187	98,753,410	93,598,430	86,244,847	80,781,089	76,769,433	70,230,663	64,377,157
1,737	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,288,520	227,874,297	220,306,660	216,835,486	201,484,682	181,232,788	162,283,800
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
10,114	*Total Revenue Requirement*	822,655,230	845,453,717	965,501,071	959,913,937	942,138,475	959,930,695	957,296,713	957,160,702	904,195,463	874,618,822

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
306,635,747	309,227,221	314,948,334	319,505,064	323,512,102	325,154,111	322,843,356	336,436,133	354,769,244	365,018,914
146,661,625	149,847,813	152,098,594	157,403,375	161,692,906	145,667,094	176,113,031	189,708,500	206,215,844	214,773,250
(60,516,258)	(61,054,656)	(57,336,477)	(58,709,430)	(92,265,281)	(81,965,859)	(112,734,883)	(110,198,805)	(94,916,211)	(108,450,211)
220,490,380	220,434,065	220,186,217	220,811,118	254,084,477	261,452,876	259,465,207	256,926,438	243,469,611	258,695,875
86,015,905	81,538,068	79,928,480	84,563,849	83,619,584	87,677,600	97,312,244	100,620,921	101,490,816	105,230,489
263,353,234	263,624,893	263,766,838	89,541,471	89,664,718	89,802,834	97,942,817	98,688,572	98,810,413	97,756,676
58,375,963	51,642,027	44,875,406	40,976,644	38,738,224	35,222,128	36,259,372	37,232,979	33,300,963	29,150,385
143,123,728	122,679,622	102,218,882	90,920,117	86,451,511	79,514,980	81,370,699	83,102,904	75,361,312	67,197,033
-	-	-	-	-	-	-	-	-	-
857,504,577	828,711,831	805,737,939	625,507,143	621,986,139	617,371,653	635,728,488	656,081,510	663,732,747	664,353,497

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
426,665,475	417,078,183	468,978,254	491,932,303	520,394,983	546,003,559	561,708,506	577,883,885	594,664,652	626,874,867
219,283,488	223,888,442	228,590,099	233,390,491	238,291,691	243,295,817	248,405,029	253,621,534	258,947,587	264,385,486
(110,727,665)	(113,052,946)	(115,427,058)	(117,851,026)	(120,325,898)	(122,852,742)	(125,432,649)	(128,066,735)	(130,756,137)	(133,502,015)
318,109,652	306,242,688	355,815,213	376,392,839	402,429,190	425,560,485	438,736,127	452,329,086	466,473,202	495,991,397
107,440,329	109,696,576	112,000,205	114,352,209	116,753,605	119,205,431	121,708,745	124,264,629	126,874,186	129,538,544
96,337,267	96,456,024	96,577,275	96,701,073	96,827,470	96,956,521	95,938,283	96,072,811	96,210,165	96,293,703
25,194,838	21,406,107	17,723,713	14,200,570	10,836,579	7,532,807	4,254,381	997,310	(2,259,559)	(4,357,485)
59,408,936	51,942,728	44,681,612	37,727,765	31,080,990	24,550,234	18,068,148	11,627,019	5,185,994	982,690
-	-	-	-	-	-	-	-	-	-
715,046,846	696,579,619	739,961,058	754,913,919	775,893,627	794,248,552	801,678,064	810,845,655	820,675,438	849,332,318

NIPSCO Retirement 5

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
4,038	*Total Portfolio Cost*	338,819,324	316,066,621	305,827,777	248,324,511	252,009,944	283,838,614	289,111,180	309,403,503	292,524,188	297,850,277
2,375	*Total Owned Cost*	282,022,906	236,422,094	201,942,656	172,316,063	167,494,516	206,058,625	228,230,922	158,869,656	146,806,156	143,880,984
-1,027	*Net Market Purchases*	(47,155,691)	(34,586,246)	(65,858,473)	(116,252,783)	(105,950,238)	(125,658,055)	(146,449,629)	(59,741,508)	(42,122,430)	(53,960,555)
2,690	*Contract Cost*	103,952,109	114,230,774	169,743,594	192,261,232	190,465,667	203,438,043	207,329,887	210,275,355	187,840,462	207,929,848
1,260	*FOM*	121,767,387	132,602,897	117,921,573	100,303,757	107,767,708	102,095,101	106,764,006	94,162,817	81,462,583	84,401,296
2,350	*Book Depreciation*	180,431,378	196,337,130	244,407,166	244,909,714	249,705,357	251,217,252	252,627,700	261,763,383	262,238,842	263,842,702
685	*Taxes*	41,579,442	48,438,240	78,147,238	98,454,210	95,824,131	93,208,353	87,323,214	79,125,704	71,051,280	65,191,563
1,736	*Capital Charge*	139,839,538	150,758,626	208,257,735	245,710,740	232,172,312	219,341,323	201,967,341	193,204,777	183,325,890	164,345,654
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
10,161	*Total Revenue Requirement*	822,437,070	844,675,138	964,059,128	960,350,312	959,890,644	972,308,970	960,431,485	960,112,346	908,497,713	878,899,202

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
306,635,747	309,227,213	314,948,334	319,505,079	323,512,117	325,154,111	322,843,340	336,436,133	354,769,260	365,018,914
146,661,625	149,847,813	152,098,594	157,403,375	161,692,906	145,667,094	176,113,031	189,708,500	206,215,844	214,773,250
(60,516,258)	(61,054,664)	(57,336,477)	(58,709,414)	(92,265,266)	(81,965,859)	(112,734,898)	(110,198,805)	(94,916,195)	(108,450,211)
220,490,380	220,434,065	220,186,217	220,811,118	254,084,477	261,452,876	259,465,207	256,926,438	243,469,611	258,695,875
86,788,976	82,327,375	80,734,361	85,386,654	84,459,668	88,535,326	98,187,982	101,515,049	102,403,721	106,162,566
264,000,175	264,271,834	264,413,780	90,188,412	90,311,659	90,449,775	98,589,758	99,335,514	99,457,354	98,403,617
59,142,664	52,377,176	45,648,947	41,805,530	39,578,488	36,049,520	37,073,892	38,034,628	34,089,740	29,927,282
145,074,206	124,549,915	104,144,059	92,932,916	88,467,029	81,486,384	83,297,994	84,986,090	77,200,387	68,993,912
-	-	-	-	-	-	-	-	-	-
861,641,769	832,753,513	809,889,481	629,818,591	626,328,962	621,675,116	639,992,967	660,307,414	667,920,462	668,506,291

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
426,665,475	417,078,183	468,978,254	491,932,303	520,394,983	546,003,559	561,708,506	577,883,885	594,664,652	626,874,867
219,283,488	223,888,442	228,590,099	233,390,491	238,291,691	243,295,817	248,405,029	253,621,534	258,947,587	264,385,486
(110,727,665)	(113,052,946)	(115,427,058)	(117,851,026)	(120,325,898)	(122,852,742)	(125,432,649)	(128,066,735)	(130,756,137)	(133,502,015)
318,109,652	306,242,688	355,815,213	376,392,839	402,429,190	425,560,485	438,736,127	452,329,086	466,473,202	495,991,397
108,391,979	110,668,211	112,992,243	115,365,081	117,787,747	120,261,290	122,786,777	125,365,299	127,997,971	130,685,928
96,984,208	97,102,966	97,224,217	97,348,014	97,474,411	97,603,463	96,585,224	96,719,753	96,857,106	96,940,644
25,923,329	22,009,805	18,201,629	14,628,549	11,252,943	7,938,396	4,649,854	1,382,930	(1,883,629)	(4,196,384)
61,093,085	53,366,637	45,843,372	38,773,838	32,085,380	25,514,562	18,993,685	12,514,277	6,035,285	1,397,875
-	-	-	-	-	-	-	-	-	-
719,058,076	700,225,802	743,239,714	758,047,785	778,995,464	797,321,271	804,724,046	813,866,144	823,671,385	851,702,930

NIPSCO Retirement 6

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
4,043	*Total Portfolio Cost*	338,819,324	316,066,621	305,827,777	248,324,511	252,009,944	295,051,953	303,433,207	317,883,324	295,604,212	300,202,152
2,263	*Total Owned Cost*	282,022,906	236,422,094	201,942,656	172,316,063	167,494,516	154,954,422	136,763,625	119,295,852	146,806,156	143,880,984
-1,185	*Net Market Purchases*	(47,155,691)	(34,586,246)	(65,858,473)	(116,252,783)	(105,950,238)	(94,913,137)	(72,532,430)	(43,965,227)	(71,501,063)	(84,154,695)
2,966	*Contract Cost*	103,952,109	114,230,774	169,743,594	192,261,232	190,465,667	235,010,668	239,202,012	242,552,699	220,299,118	240,475,863
1,226	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	106,145,534	90,376,623	78,051,186	81,993,980	81,462,583	84,401,296
2,358	*Book Depreciation*	180,431,378	196,337,130	244,407,166	244,909,714	249,598,690	259,747,790	261,148,743	261,334,407	261,809,867	263,413,726
673	*Taxes*	41,579,442	48,438,240	78,147,238	98,454,210	95,761,841	90,650,677	82,760,512	76,454,429	69,873,576	64,071,456
1,745	*Capital Charge*	139,839,538	150,758,626	208,257,735	245,710,740	232,052,025	228,814,688	220,657,917	200,876,382	180,543,223	161,693,466
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
10,138	*Total Revenue Requirement*	822,655,230	845,272,940	964,673,452	958,771,958	957,979,226	987,250,060	968,689,609	960,994,684	907,188,391	877,049,807

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
308,278,341	310,278,494	315,172,974	318,642,400	321,225,203	321,634,556	318,360,520	329,870,125	347,088,822	356,115,937
146,661,625	149,847,813	152,098,594	157,403,375	161,692,906	145,667,094	176,113,031	189,708,500	206,215,844	214,773,250
(91,513,273)	(92,844,258)	(89,932,398)	(92,480,000)	(127,516,242)	(118,626,852)	(150,300,344)	(149,909,828)	(135,804,055)	(150,738,797)
253,129,990	253,274,940	253,006,779	253,719,025	287,048,539	294,594,314	292,547,832	290,071,454	276,677,033	292,081,484
86,788,976	82,327,375	80,734,361	85,386,654	84,459,668	88,535,326	98,187,982	101,515,049	102,403,721	106,162,566
263,571,200	263,842,859	263,984,804	89,759,437	89,882,684	90,020,800	98,160,783	98,906,538	99,028,379	97,974,642
58,074,933	51,353,291	44,653,316	40,824,115	38,606,825	35,087,728	36,121,971	37,092,577	33,157,560	29,004,973
142,542,415	122,122,049	101,790,008	90,625,571	86,197,768	79,255,442	81,105,367	82,831,777	75,084,389	66,916,229
-	-	-	-	-	-	-	-	-	-
859,255,866	829,924,068	806,335,464	625,238,177	620,372,148	614,533,852	631,936,623	650,216,067	656,762,871	656,174,346

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
416,874,446	406,380,445	457,354,765	479,363,623	506,861,263	548,021,224	563,752,627	579,976,331	596,803,055	629,052,924
219,283,488	223,888,442	228,590,099	233,390,491	238,291,691	243,295,817	248,405,029	253,621,534	258,947,587	264,385,486
(153,904,312)	(157,136,302)	(160,436,164)	(163,805,324)	(167,245,236)	(170,757,386)	(174,343,291)	(178,004,500)	(181,742,594)	(185,559,189)
351,495,269	339,628,306	389,200,830	409,778,456	435,814,807	475,482,793	489,690,889	504,359,297	519,598,063	550,226,627
108,391,979	110,668,211	112,992,243	115,365,081	117,787,747	120,261,290	122,786,777	125,365,299	127,997,971	130,685,928
96,555,233	96,673,990	96,795,241	96,919,039	97,045,436	97,174,487	96,156,249	96,290,777	96,428,131	96,511,669
25,049,401	21,261,412	17,577,657	14,049,613	10,679,059	7,368,707	4,083,685	820,012	(2,443,459)	(4,451,086)
59,128,085	51,663,310	44,399,566	37,436,255	30,776,807	24,233,344	17,738,520	11,284,642	4,830,867	801,939
-	-	-	-	-	-	-	-	-	-
705,999,144	686,647,369	729,119,472	743,133,610	763,150,311	797,059,052	804,517,858	813,737,062	823,616,565	852,601,373

NIPSCO Retirement 7

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
4,119	*Total Portfolio Cost*	338,819,324	316,066,621	305,827,777	246,369,720	249,638,505	285,195,119	291,849,364	310,206,931	293,931,621	298,077,506
1,479	*Total Owned Cost*	282,022,906	236,422,094	201,942,656	172,316,063	167,494,516	206,058,625	214,579,969	143,186,859	124,811,883	122,745,844
-867	*Net Market Purchases*	(47,155,691)	(34,586,246)	(65,858,473)	(114,424,605)	(104,665,090)	(165,398,492)	(171,664,922)	(85,259,680)	(60,699,820)	(80,967,672)
3,507	*Contract Cost*	103,952,109	114,230,774	169,743,594	188,478,263	186,809,079	244,534,987	248,934,318	252,279,752	229,819,558	256,299,334
1,347	*FOM*	121,767,387	132,602,897	117,921,573	100,303,757	107,767,708	102,095,101	112,239,108	95,519,211	82,847,462	85,815,257
2,424	*Book Depreciation*	180,431,378	196,337,130	244,407,166	244,905,048	249,700,690	251,212,585	255,055,643	257,981,981	258,414,491	259,967,166
715	*Taxes*	41,579,442	48,438,240	78,147,238	98,451,485	95,818,802	93,203,263	88,913,130	78,538,146	66,727,679	60,954,060
1,832	*Capital Charge*	139,839,538	150,758,626	208,257,735	245,705,478	232,162,021	219,331,494	205,037,601	192,070,154	174,976,654	156,162,682
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
10,531	*Total Revenue Requirement*	822,437,070	844,675,138	964,059,128	958,382,866	957,498,919	973,645,890	975,732,890	956,768,586	894,792,836	864,244,382

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
305,491,951	321,527,718	332,977,869	334,751,923	340,033,051	330,237,443	332,435,658	343,950,638	360,643,428	367,761,678
125,037,336	56,519,883	8,770,743	8,537,696	8,680,130	8,833,253	8,952,467	9,101,239	9,242,299	9,404,306
(92,448,195)	(58,771,641)	(30,668,969)	(28,662,313)	(56,266,438)	(73,340,938)	(68,483,234)	(54,010,328)	(23,407,688)	(31,402,922)
272,902,810	323,779,476	354,876,094	354,876,539	387,619,359	394,745,128	391,966,426	388,859,727	374,808,817	389,760,294
88,232,631	109,405,017	96,115,850	99,180,771	100,267,567	107,219,844	114,497,108	116,242,430	119,150,212	121,628,930
260,079,868	283,813,348	283,885,288	107,429,737	107,478,997	111,477,707	115,532,855	115,549,463	115,595,100	114,444,048
55,020,168	58,721,249	61,620,101	54,909,551	50,012,393	47,687,882	47,557,343	44,791,399	39,808,629	35,284,839
137,113,322	142,626,430	145,862,014	128,190,448	118,270,389	113,317,435	112,600,332	106,793,149	96,704,198	87,500,683
-	-	-	-	-	-	-	-	-	-
845,937,939	916,093,762	920,461,122	724,462,430	716,062,398	709,940,311	722,623,297	727,327,080	731,901,568	726,620,179

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
449,567,470	437,254,496	495,857,884	516,421,716	542,656,773	582,695,382	597,273,025	612,329,080	627,961,993	664,212,750
9,601,796	9,803,434	10,009,306	10,219,501	10,434,111	10,653,227	10,876,945	11,105,361	11,338,573	11,576,683
(32,062,383)	(32,735,693)	(33,423,143)	(34,125,029)	(34,841,654)	(35,573,329)	(36,320,369)	(37,083,097)	(37,861,842)	(38,656,941)
472,028,057	460,186,755	519,271,721	540,327,244	567,064,316	607,615,484	622,716,449	638,306,816	654,485,261	691,293,008
124,183,138	126,790,984	129,453,594	132,172,120	134,947,734	137,781,637	140,675,051	143,629,227	146,645,441	149,724,995
112,925,282	112,942,594	112,960,271	112,978,318	112,996,745	113,015,558	113,034,767	113,054,379	113,074,403	113,038,147
31,031,701	26,843,785	22,754,758	18,870,487	15,130,560	11,426,557	7,733,287	4,046,300	361,538	(3,318,324)
78,819,201	70,263,315	61,898,033	53,927,782	46,235,899	38,613,004	31,010,445	23,419,620	15,832,682	8,254,793
-	-	-	-	-	-	-	-	-	-
796,526,791	774,095,174	822,924,540	834,370,422	851,967,711	883,532,137	889,726,575	896,478,606	903,876,056	931,912,362

NIPSCO Retirement 7H

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
4,259	*Total Portfolio Cost*	338,819,324	316,066,621	305,827,777	246,430,486	270,480,271	315,764,425	318,300,998	337,839,151	320,851,569	325,686,789
2,357	*Total Owned Cost*	282,022,906	236,422,094	201,942,656	172,316,063	167,494,516	210,754,016	232,574,125	159,611,188	145,130,094	141,965,906
-1,543	*Net Market Purchases*	(47,155,691)	(34,586,246)	(65,858,473)	(114,424,605)	(111,055,215)	(173,578,996)	(195,684,465)	(107,326,430)	(89,160,883)	(108,055,727)
3,445	*Contract Cost*	103,952,109	114,230,774	169,743,594	188,539,029	214,040,970	278,589,406	281,411,338	285,554,393	264,882,358	291,776,609
1,351	*FOM*	121,767,387	132,602,897	117,921,573	100,303,757	107,767,708	102,095,101	112,949,171	96,244,185	83,587,660	86,570,999
2,349	*Book Depreciation*	180,431,378	196,337,130	244,407,166	244,909,714	249,705,357	251,217,252	256,225,300	259,157,898	259,596,797	261,163,330
684	*Taxes*	41,579,442	48,438,240	78,147,238	98,454,210	95,824,131	93,208,353	89,367,064	79,415,594	67,555,343	61,738,306
1,734	*Capital Charge*	139,839,538	150,758,626	208,257,735	245,710,740	232,172,312	219,341,323	205,914,185	193,764,579	176,574,943	157,677,126
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
10,471	*Total Revenue Requirement*	822,437,070	844,675,138	964,059,128	958,456,286	978,360,971	1,004,234,782	1,005,394,762	988,873,570	926,061,243	896,104,260

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
334,391,248	336,489,488	340,746,517	343,675,180	346,778,701	345,918,270	344,648,991	355,997,750	373,004,016	382,047,252
145,574,125	149,475,656	151,667,281	156,081,719	159,213,594	141,359,734	173,170,438	184,050,859	199,882,031	208,013,516
(119,794,203)	(121,931,391)	(120,444,648)	(123,577,578)	(158,356,852)	(150,413,320)	(181,913,039)	(182,158,445)	(169,099,695)	(184,444,164)
308,611,326	308,945,222	309,523,884	311,171,040	345,921,958	354,971,856	353,391,593	354,105,336	342,221,680	358,477,900
89,004,244	100,008,491	98,786,781	103,818,175	103,278,251	107,749,099	113,728,696	117,382,118	118,603,998	122,703,048
261,282,692	267,527,546	267,629,763	93,363,832	93,445,665	93,541,496	97,627,524	98,329,200	98,406,036	97,306,350
55,762,638	52,586,444	49,278,410	45,208,301	42,810,069	39,143,665	37,760,908	36,531,299	32,848,663	28,880,799
138,547,093	124,954,030	111,152,856	99,503,953	94,707,481	87,461,437	84,624,681	82,083,035	74,803,764	66,973,065
-	-	-	-	-	-	-	-	-	-
878,987,915	881,565,999	867,594,326	685,569,441	681,020,166	673,813,967	678,390,800	690,323,403	697,666,478	697,910,513

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
453,636,482	442,283,423	505,320,102	527,047,767	534,919,739	569,604,633	585,571,971	602,053,069	619,139,972	656,873,152
212,381,799	216,841,817	221,395,495	226,044,801	230,791,742	235,638,368	240,586,774	245,639,096	250,797,517	256,064,265
(188,317,492)	(192,272,159)	(196,309,874)	(200,432,382)	(204,641,462)	(208,938,932)	(213,326,650)	(217,806,509)	(222,380,446)	(227,050,436)
429,572,174	417,713,765	480,234,481	501,435,347	508,769,459	542,905,197	558,311,846	574,220,482	590,722,901	627,859,322
125,279,812	127,910,688	130,596,813	133,339,346	136,139,472	138,998,401	141,917,368	144,897,632	147,940,483	151,047,233
95,840,026	95,910,883	95,983,229	96,057,093	96,132,509	96,209,509	95,138,125	95,218,393	95,300,346	95,327,320
25,021,249	21,231,509	17,520,688	13,964,192	10,524,910	7,120,778	3,743,667	389,093	(2,964,419)	(4,758,442)
59,351,093	51,863,683	44,528,418	37,490,909	30,679,487	23,935,674	17,243,764	10,595,095	3,948,189	312,494
-	-	-	-	-	-	-	-	-	-
759,128,663	739,200,187	793,949,250	807,899,307	808,396,118	835,868,995	843,614,894	853,153,282	863,364,570	898,801,756

STATUS QUO EXTENDED
NIPSCO Retirement 1

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
3,075	*Total Portfolio Cost*	337,127,441	307,233,984	260,733,584	202,675,375	206,796,775	213,824,861	216,412,972	230,429,676	204,964,815	208,207,124
2,127	*Total Owned Cost*	281,968,594	230,607,047	202,246,750	172,640,313	164,856,516	169,330,438	186,253,719	167,542,438	185,272,750	181,987,266
-1,529	*Net Market Purchases*	(48,793,262)	(37,603,836)	(111,256,748)	(163,273,785)	(151,294,611)	(153,162,226)	(170,862,374)	(140,661,715)	(161,056,818)	(155,741,442)
2,477	*Contract Cost*	103,952,109	114,230,773	169,743,582	193,308,848	193,234,871	197,656,649	201,021,627	203,548,953	180,748,884	181,961,301
1,306	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	99,539,874	97,906,162	113,064,817	107,508,122	112,071,758	111,145,324
2,332	*Book Depreciation*	180,431,378	196,503,797	244,772,166	245,270,048	245,760,124	247,348,686	252,581,734	253,071,591	253,610,491	255,260,357
693	*Taxes*	41,579,442	48,535,568	78,453,380	98,859,759	93,759,503	88,940,524	85,650,582	80,927,407	73,542,446	66,794,689
1,716	*Capital Charge*	139,839,538	150,946,575	208,848,922	246,493,889	228,185,342	211,099,789	198,737,348	184,662,921	165,434,526	147,423,202
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
9,215	*Total Revenue Requirement*	820,963,348	836,892,246	920,841,587	914,671,852	896,452,810	881,728,350	889,085,498	879,051,879	827,518,966	792,098,406

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
212,762,895	226,788,841	238,927,954	240,963,523	253,946,543	259,674,142	254,653,349	260,880,598	264,737,252	273,167,717
186,150,594	152,887,688	125,590,664	122,910,711	127,535,922	108,575,609	130,241,945	125,699,813	137,129,625	141,432,719
(156,024,004)	(134,138,521)	(110,304,711)	(106,115,586)	(130,676,965)	(113,119,191)	(137,716,418)	(124,012,234)	(118,284,656)	(129,096,676)
182,636,305	208,039,675	223,642,001	224,168,398	257,087,586	264,217,724	262,127,821	259,193,020	245,892,283	260,831,674
114,489,360	94,545,938	79,928,480	84,563,849	83,619,584	87,677,600	97,312,244	100,620,921	101,490,816	105,230,489
255,413,053	265,165,886	265,307,114	91,081,013	91,203,512	91,340,864	99,480,068	100,225,026	100,346,054	99,291,487
59,834,684	53,823,012	48,210,730	44,189,944	41,855,557	38,266,795	39,252,435	40,189,169	36,225,014	32,042,182
129,082,880	120,037,682	110,435,030	98,824,854	94,095,157	86,942,530	88,622,827	90,208,056	82,328,629	74,026,292
-	-	-	-	-	-	-	-	-	-
771,582,871	760,361,361	742,809,307	559,623,182	564,720,352	563,901,932	579,320,923	592,123,771	585,127,765	583,758,167

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
294,860,787	274,115,165	285,792,541	292,996,862	302,371,337	311,781,098	319,659,325	327,789,376	336,233,540	344,511,655
144,402,806	147,435,265	150,531,405	153,692,565	156,920,109	160,215,431	163,579,955	167,015,134	170,522,452	174,103,423
(131,807,706)	(134,575,668)	(137,401,757)	(140,287,194)	(143,233,225)	(146,241,123)	(149,312,186)	(152,447,742)	(155,649,145)	(158,917,777)
282,265,687	261,255,568	272,662,893	279,591,491	288,684,453	297,806,789	305,391,556	313,221,984	321,360,232	329,326,008
107,440,329	109,696,576	112,000,205	114,352,209	116,753,605	119,205,431	121,708,745	124,264,629	126,874,186	129,538,544
97,871,230	97,989,122	98,109,490	98,232,385	98,357,861	98,485,972	97,466,773	97,600,322	97,736,674	97,819,190
28,015,886	24,079,605	20,211,837	16,503,658	12,954,976	9,467,623	6,049,566	2,739,257	(527,291)	(3,609,997)
66,025,803	58,198,892	50,504,034	43,117,095	36,037,894	29,076,857	22,249,359	15,629,652	9,094,164	2,913,398
-	-	-	-	-	-	-	-	-	-
594,214,035	564,079,360	566,618,107	565,202,209	566,475,672	568,016,981	567,133,768	568,023,234	569,411,273	571,172,789

NIPSCO Retirement 2

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
3,106	*Total Portfolio Cost*	337,127,441	307,233,984	260,733,584	202,675,375	206,796,775	216,089,273	218,872,214	237,334,272	216,056,878	225,169,686
2,001	*Total Owned Cost*	281,968,594	230,607,047	202,246,750	172,640,313	164,856,516	169,330,438	186,253,719	130,625,367	123,959,234	119,111,453
-1,429	*Net Market Purchases*	(48,793,262)	(37,603,836)	(111,256,748)	(163,273,785)	(151,294,611)	(159,854,485)	(177,478,319)	(106,052,658)	(97,962,709)	(104,075,568)
2,534	*Contract Cost*	103,952,109	114,230,773	169,743,582	193,308,848	193,234,871	206,613,321	210,096,814	212,761,563	190,060,353	210,133,801
1,245	*FOM*	121,767,387	132,602,897	117,921,573	100,303,757	101,162,049	95,688,162	106,410,817	93,805,435	80,720,985	83,644,124
2,343	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,174,714	245,664,791	247,178,353	252,186,401	261,545,417	262,020,876	263,624,736
681	*Taxes*	41,579,442	48,477,171	78,339,187	98,753,410	93,660,720	88,802,522	85,343,792	79,440,708	71,408,367	65,497,263
1,729	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,288,520	227,994,584	210,833,295	198,144,910	193,813,077	184,015,454	164,935,987
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
9,197	*Total Revenue Requirement*	820,745,187	836,023,278	919,792,553	915,843,154	897,690,110	881,199,933	883,596,178	888,391,071	832,117,491	806,139,507

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
233,559,725	233,944,009	237,467,141	239,574,288	252,658,574	258,485,517	253,569,895	259,899,864	263,859,346	272,392,061
123,161,781	124,057,094	125,590,664	122,910,711	127,535,922	108,575,609	130,241,945	125,699,813	137,129,625	141,432,719
(112,170,689)	(112,706,932)	(110,304,711)	(106,115,586)	(130,676,965)	(113,119,191)	(137,716,418)	(124,012,234)	(118,284,656)	(129,096,676)
222,568,633	222,593,847	222,181,188	222,779,163	255,799,617	263,029,099	261,044,368	258,212,285	245,014,377	260,056,018
86,015,905	81,538,068	79,928,480	84,563,849	83,619,584	87,677,600	97,312,244	100,620,921	101,490,816	105,230,489
263,782,209	264,053,868	264,195,814	89,970,446	90,093,693	90,231,809	98,371,792	99,117,548	99,239,388	98,185,651
59,443,693	52,665,912	45,871,037	41,958,058	39,709,887	36,183,920	37,211,293	38,175,030	34,233,143	30,072,695
145,655,519	125,107,489	104,572,933	93,227,462	88,720,772	81,745,922	83,563,327	85,257,217	77,477,310	69,274,716
-	-	-	-	-	-	-	-	-	-
788,457,052	757,309,346	732,035,404	549,294,103	554,802,511	554,324,768	570,028,552	583,070,579	576,300,002	575,155,612

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
294,085,126	273,339,504	285,084,220	292,494,130	302,077,335	311,701,003	319,794,061	328,147,976	336,819,325	347,976,712
144,402,806	147,435,265	150,531,405	153,692,565	156,920,109	160,215,431	163,579,955	167,015,134	170,522,452	174,103,423
(131,807,706)	(134,575,668)	(137,401,757)	(140,287,194)	(143,233,225)	(146,241,123)	(149,312,186)	(152,447,742)	(155,649,145)	(158,917,777)
281,490,026	260,479,907	271,954,572	279,088,758	288,390,451	297,726,695	305,526,292	313,580,584	321,946,018	332,791,065
107,440,329	109,696,576	112,000,205	114,352,209	116,753,605	119,205,431	121,708,745	124,264,629	126,874,186	129,538,544
96,766,243	96,885,000	97,006,251	97,130,048	97,256,445	97,385,497	96,367,258	96,501,787	96,639,140	96,722,678
26,068,766	22,154,500	18,347,684	14,779,506	11,410,463	8,102,496	4,820,550	1,560,228	(1,699,728)	(4,102,783)
61,373,936	53,646,055	46,125,418	39,065,349	32,389,563	25,831,452	19,323,314	12,856,654	6,390,412	1,578,626
-	-	-	-	-	-	-	-	-	-
585,734,400	555,721,634	558,563,778	557,821,241	559,887,411	562,225,879	562,013,927	563,331,274	565,023,334	571,713,776

NIPSCO Retirement 3

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
3,118	*Total Portfolio Cost*	337,127,441	307,233,984	260,733,584	202,675,375	206,796,775	222,026,616	228,524,142	241,571,852	216,056,878	225,169,686
1,923	*Total Owned Cost*	281,968,594	230,607,047	202,246,750	172,640,313	164,856,516	134,687,188	121,107,883	103,950,047	123,959,234	119,111,453
-1,339	*Net Market Purchases*	(48,793,262)	(37,603,836)	(111,256,748)	(163,273,785)	(151,294,611)	(119,273,893)	(102,680,555)	(75,139,758)	(97,962,709)	(104,075,568)
2,534	*Contract Cost*	103,952,109	114,230,773	169,743,582	193,308,848	193,234,871	206,613,321	210,096,814	212,761,563	190,060,353	210,133,801
1,211	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	99,539,874	83,969,685	77,697,997	81,636,598	80,720,985	83,644,124
2,351	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,174,714	245,558,124	255,708,891	260,707,444	261,116,441	261,591,901	263,195,760
669	*Taxes*	41,579,442	48,477,171	78,339,187	98,753,410	93,598,430	86,244,847	80,781,089	76,769,433	70,230,663	64,377,157
1,737	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,288,520	227,874,297	220,306,660	216,835,486	201,484,682	181,232,788	162,283,800
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
9,181	*Total Revenue Requirement*	820,963,348	836,621,080	920,406,877	914,264,801	895,778,692	890,865,026	887,184,203	885,031,168	827,728,145	801,938,238

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
233,559,725	233,944,009	237,467,141	239,574,288	252,658,574	258,485,517	253,569,895	259,899,864	263,859,346	272,392,061
123,161,781	124,057,094	125,590,664	122,910,711	127,535,922	108,575,609	130,241,945	125,699,813	137,129,625	141,432,719
(112,170,689)	(112,706,932)	(110,304,711)	(106,115,586)	(130,676,965)	(113,119,191)	(137,716,418)	(124,012,234)	(118,284,656)	(129,096,676)
222,568,633	222,593,847	222,181,188	222,779,163	255,799,617	263,029,099	261,044,368	258,212,285	245,014,377	260,056,018
86,015,905	81,538,068	79,928,480	84,563,849	83,619,584	87,677,600	97,312,244	100,620,921	101,490,816	105,230,489
263,353,234	263,624,893	263,766,838	89,541,471	89,664,718	89,802,834	97,942,817	98,688,572	98,810,413	97,756,676
58,375,963	51,642,027	44,875,406	40,976,644	38,738,224	35,222,128	36,259,372	37,232,979	33,300,963	29,150,385
143,123,728	122,679,622	102,218,882	90,920,117	86,451,511	79,514,980	81,370,699	83,102,904	75,361,312	67,197,033
-	-	-	-	-	-	-	-	-	-
784,428,555	753,428,620	728,256,747	545,576,368	551,132,611	550,703,059	566,455,028	579,545,240	572,822,849	571,726,644

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
294,085,126	273,339,504	285,084,220	292,494,130	302,077,335	311,701,003	319,794,061	328,147,976	336,819,325	347,976,712
144,402,806	147,435,265	150,531,405	153,692,565	156,920,109	160,215,431	163,579,955	167,015,134	170,522,452	174,103,423
(131,807,706)	(134,575,668)	(137,401,757)	(140,287,194)	(143,233,225)	(146,241,123)	(149,312,186)	(152,447,742)	(155,649,145)	(158,917,777)
281,490,026	260,479,907	271,954,572	279,088,758	288,390,451	297,726,695	305,526,292	313,580,584	321,946,018	332,791,065
107,440,329	109,696,576	112,000,205	114,352,209	116,753,605	119,205,431	121,708,745	124,264,629	126,874,186	129,538,544
96,337,267	96,456,024	96,577,275	96,701,073	96,827,470	96,956,521	95,938,283	96,072,811	96,210,165	96,293,703
25,194,838	21,406,107	17,723,713	14,200,570	10,836,579	7,532,807	4,254,381	997,310	(2,259,559)	(4,357,485)
59,408,936	51,942,728	44,681,612	37,727,765	31,080,990	24,550,234	18,068,148	11,627,019	5,185,994	982,690
-	-	-	-	-	-	-	-	-	-
582,466,496	552,840,939	556,067,025	555,475,746	557,575,979	559,945,996	559,763,618	561,109,745	562,830,111	570,434,163

NIPSCO Retirement 5

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
3,105	*Total Portfolio Cost*	337,127,441	307,233,984	260,733,584	202,675,375	205,824,820	215,148,541	218,980,667	237,347,643	216,056,872	225,169,686
2,000	*Total Owned Cost*	281,968,594	230,607,047	202,246,750	172,640,313	164,383,906	168,632,469	185,773,906	130,487,633	123,959,234	119,111,453
-1,429	*Net Market Purchases*	(48,793,262)	(37,603,836)	(111,256,748)	(163,273,785)	(151,793,957)	(160,097,249)	(176,890,054)	(105,901,553)	(97,962,715)	(104,075,568)
2,534	*Contract Cost*	103,952,109	114,230,773	169,743,582	193,308,848	193,234,871	206,613,321	210,096,814	212,761,563	190,060,353	210,133,801
1,260	*FOM*	121,767,387	132,602,897	117,921,573	100,303,757	107,767,708	102,095,101	106,764,006	94,162,817	81,462,583	84,401,296
2,350	*Book Depreciation*	180,431,378	196,337,130	244,407,166	244,909,714	249,705,357	251,217,252	252,627,700	261,763,383	262,238,842	263,842,702
685	*Taxes*	41,579,442	48,438,240	78,147,238	98,454,210	95,824,131	93,208,353	87,323,214	79,125,704	71,051,280	65,191,563
1,736	*Capital Charge*	139,839,538	150,758,626	208,257,735	245,710,740	232,172,312	219,341,323	201,967,341	193,204,777	183,325,890	164,345,654
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
9,229	*Total Revenue Requirement*	820,745,187	835,842,501	918,964,935	914,701,176	913,705,520	903,618,897	890,300,972	888,056,485	832,030,397	806,218,610

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
233,559,723	233,944,004	237,467,149	239,574,278	252,658,568	258,485,513	253,569,897	259,899,860	263,859,350	272,392,073
123,161,781	124,057,094	125,590,664	122,910,711	127,535,922	108,575,609	130,241,945	125,699,813	137,129,625	141,432,719
(112,170,691)	(112,706,938)	(110,304,703)	(106,115,596)	(130,676,971)	(113,119,195)	(137,716,416)	(124,012,238)	(118,284,652)	(129,096,664)
222,568,633	222,593,847	222,181,188	222,779,163	255,799,617	263,029,099	261,044,368	258,212,285	245,014,377	260,056,018
86,788,976	82,327,375	80,734,361	85,386,654	84,459,668	88,535,326	98,187,982	101,515,049	102,403,721	106,162,566
264,000,175	264,271,834	264,413,780	90,188,412	90,311,659	90,449,775	98,589,758	99,335,514	99,457,354	98,403,617
59,142,664	52,377,176	45,648,947	41,805,530	39,578,488	36,049,520	37,073,892	38,034,628	34,089,740	29,927,282
145,074,206	124,549,915	104,144,059	92,932,916	88,467,029	81,486,384	83,297,994	84,986,090	77,200,387	68,993,912
-	-	-	-	-	-	-	-	-	-
788,565,745	757,470,303	732,408,296	549,887,790	555,475,413	555,006,518	570,719,524	583,771,140	577,010,552	575,879,450

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
294,085,138	273,339,516	285,084,233	292,494,142	302,077,348	311,701,017	319,794,074	328,147,990	336,819,339	347,976,726
144,402,806	147,435,265	150,531,405	153,692,565	156,920,109	160,215,431	163,579,955	167,015,134	170,522,452	174,103,423
(131,807,694)	(134,575,656)	(137,401,744)	(140,287,181)	(143,233,212)	(146,241,109)	(149,312,173)	(152,447,728)	(155,649,130)	(158,917,762)
281,490,026	260,479,907	271,954,572	279,088,758	288,390,451	297,726,695	305,526,292	313,580,584	321,946,018	332,791,065
108,391,979	110,668,211	112,992,243	115,365,081	117,787,747	120,261,290	122,786,777	125,365,299	127,997,971	130,685,928
96,984,208	97,102,966	97,224,217	97,348,014	97,474,411	97,603,463	96,585,224	96,719,753	96,857,106	96,940,644
25,923,329	22,009,805	18,201,629	14,628,549	11,252,943	7,938,396	4,649,854	1,382,930	(1,883,629)	(4,196,384)
61,093,085	53,366,637	45,843,372	38,773,838	32,085,380	25,514,562	18,993,685	12,514,277	6,035,285	1,397,875
-	-	-	-	-	-	-	-	-	-
586,477,739	556,487,135	559,345,693	558,609,624	560,677,829	563,018,728	562,809,615	564,130,249	565,826,072	572,804,789

NIPSCO Retirement 6

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
3,191	*Total Portfolio Cost*	337,127,441	307,233,984	260,733,584	202,675,375	205,824,820	232,027,458	240,008,555	253,214,514	227,449,351	236,437,297
1,922	*Total Owned Cost*	281,968,594	230,607,047	202,246,750	172,640,313	164,383,906	133,989,219	120,628,063	103,812,313	123,959,234	119,111,453
-1,525	*Net Market Purchases*	(48,793,262)	(37,603,836)	(111,256,748)	(163,273,785)	(151,793,957)	(140,147,723)	(122,588,447)	(95,636,721)	(119,028,893)	(125,353,973)
2,795	*Contract Cost*	103,952,109	114,230,773	169,743,582	193,308,848	193,234,871	238,185,962	241,968,939	245,038,922	222,519,009	242,679,817
1,226	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	106,145,534	90,376,623	78,051,186	81,993,980	81,462,583	84,401,296
2,358	*Book Depreciation*	180,431,378	196,337,130	244,407,166	244,909,714	249,598,690	259,747,790	261,148,743	261,334,407	261,809,867	263,413,726
673	*Taxes*	41,579,442	48,438,240	78,147,238	98,454,210	95,761,841	90,650,677	82,760,512	76,454,429	69,873,576	64,071,456
1,745	*Capital Charge*	139,839,538	150,758,626	208,257,735	245,710,740	232,052,025	228,814,688	220,657,917	200,876,382	180,543,223	161,693,466
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
9,287	*Total Revenue Requirement*	820,963,348	836,440,303	919,579,258	913,122,822	911,794,102	924,225,564	905,264,956	896,325,874	839,033,530	813,284,952

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
244,724,592	245,041,931	248,239,643	249,982,521	262,692,582	268,397,478	263,091,040	269,157,422	272,366,389	280,414,463
123,161,781	124,057,094	125,590,664	122,910,711	127,535,922	108,575,609	130,241,945	125,699,813	137,129,625	141,432,719
(133,645,432)	(134,449,885)	(132,344,646)	(128,615,260)	(153,607,035)	(136,348,668)	(161,277,883)	(147,899,707)	(142,985,035)	(154,459,898)
255,208,243	255,434,722	254,993,626	255,687,069	288,763,695	296,170,536	294,126,978	291,357,317	278,221,799	293,441,643
86,788,976	82,327,375	80,734,361	85,386,654	84,459,668	88,535,326	98,187,982	101,515,049	102,403,721	106,162,566
263,571,200	263,842,859	263,984,804	89,759,437	89,882,684	90,020,800	98,160,783	98,906,538	99,028,379	97,974,642
58,074,933	51,353,291	44,653,316	40,824,115	38,606,825	35,087,728	36,121,971	37,092,577	33,157,560	29,004,973
142,542,415	122,122,049	101,790,008	90,625,571	86,197,768	79,255,442	81,105,367	82,831,777	75,084,389	66,916,229
-	-	-	-	-	-	-	-	-	-
795,702,117	764,687,505	739,402,133	556,578,298	561,839,527	561,296,774	576,667,143	589,503,364	582,040,438	580,472,872

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
301,574,892	280,285,458	291,474,942	298,317,958	307,322,366	312,603,962	320,706,363	329,083,802	337,774,900	348,949,172
144,402,806	147,435,265	150,531,405	153,692,565	156,920,109	160,215,431	163,579,955	167,015,134	170,522,452	174,103,423
(157,703,556)	(161,015,331)	(164,396,653)	(167,848,983)	(171,373,811)	(174,972,661)	(178,647,087)	(182,398,676)	(186,229,048)	(190,139,858)
314,875,643	293,865,524	305,340,189	312,474,376	321,776,068	327,361,192	335,773,495	344,467,344	353,481,497	364,985,607
108,391,979	110,668,211	112,992,243	115,365,081	117,787,747	120,261,290	122,786,777	125,365,299	127,997,971	130,685,928
96,555,233	96,673,990	96,795,241	96,919,039	97,045,436	97,174,487	96,156,249	96,290,777	96,428,131	96,511,669
25,049,401	21,261,412	17,577,657	14,049,613	10,679,059	7,368,707	4,083,685	820,012	(2,443,459)	(4,451,086)
59,128,085	51,663,310	44,399,566	37,436,255	30,776,807	24,233,344	17,738,520	11,284,642	4,830,867	801,939
-	-	-	-	-	-	-	-	-	-
590,699,591	560,552,381	563,239,649	562,087,945	563,611,415	561,641,790	561,471,594	562,844,532	564,588,410	572,497,622

NIPSCO Retirement 7

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
3,488	*Total Portfolio Cost*	337,127,441	307,233,984	260,733,584	201,205,054	204,301,156	226,150,216	232,910,512	250,975,818	231,791,980	242,634,480
1,373	*Total Owned Cost*	281,968,594	230,607,047	202,246,750	172,640,313	164,383,906	168,632,469	175,995,875	116,371,438	103,920,383	100,020,961
-1,184	*Net Market Purchases*	(48,793,262)	(37,603,836)	(111,256,748)	(159,913,513)	(146,891,831)	(187,017,235)	(192,019,685)	(117,675,367)	(101,947,949)	(113,685,816)
3,299	*Contract Cost*	103,952,109	114,230,773	169,743,582	188,478,254	186,809,081	244,534,982	248,934,321	252,279,748	229,819,546	256,299,335
1,347	*FOM*	121,767,387	132,602,897	117,921,573	100,303,757	107,767,708	102,095,101	112,239,108	95,519,211	82,847,462	85,815,257
2,424	*Book Depreciation*	180,431,378	196,337,130	244,407,166	244,905,048	249,700,690	251,212,585	255,055,643	257,981,981	258,414,491	259,967,166
715	*Taxes*	41,579,442	48,438,240	78,147,238	98,451,485	95,818,802	93,203,263	88,913,130	78,538,146	66,727,679	60,954,060
1,832	*Capital Charge*	139,839,538	150,758,626	208,257,735	245,705,478	232,162,021	219,331,494	205,037,601	192,070,154	174,976,654	156,162,682
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
9,899	*Total Revenue Requirement*	820,745,187	835,842,501	918,964,935	913,218,200	912,161,570	914,600,986	916,794,038	897,537,473	832,653,195	808,801,356

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
251,859,527	286,185,831	310,856,940	311,097,735	325,817,650	322,753,163	323,013,568	326,791,372	331,403,946	339,050,864
103,197,867	48,068,070	8,765,479	8,537,696	8,680,130	8,833,253	8,952,467	9,101,239	9,242,299	9,404,306
(124,241,170)	(85,661,719)	(52,717,656)	(52,316,508)	(70,481,859)	(80,825,219)	(77,905,336)	(71,169,602)	(52,647,180)	(60,113,750)
272,902,830	323,779,479	354,809,118	354,876,546	387,619,379	394,745,129	391,966,437	388,859,734	374,808,826	389,760,309
88,232,631	109,405,017	96,115,850	99,180,771	100,267,567	107,219,844	114,497,108	116,242,430	119,150,212	121,628,930
260,079,868	283,813,348	283,885,288	107,429,737	107,478,997	111,477,707	115,532,855	115,549,463	115,595,100	114,444,048
55,020,168	58,721,249	61,620,101	54,909,551	50,012,393	47,687,882	47,557,343	44,791,399	39,808,629	35,284,839
137,113,322	142,626,430	145,862,014	128,190,448	118,270,389	113,317,435	112,600,332	106,793,149	96,704,198	87,500,683
-	-	-	-	-	-	-	-	-	-
792,305,515	880,751,875	898,340,193	700,808,242	701,846,996	702,456,031	713,201,206	710,167,813	702,662,085	697,909,365

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
383,589,942	361,517,296	369,508,864	373,457,129	379,670,484	384,597,880	392,333,291	400,342,816	408,656,205	420,326,034
9,601,796	9,803,434	10,009,306	10,219,501	10,434,111	10,653,227	10,876,945	11,105,361	11,338,573	11,576,683
(61,376,139)	(62,665,038)	(63,981,003)	(65,324,605)	(66,696,421)	(68,097,046)	(69,527,084)	(70,987,153)	(72,477,883)	(73,999,919)
435,364,285	414,378,900	423,480,562	428,562,232	435,932,794	442,041,699	450,983,430	460,224,608	469,795,514	482,749,269
124,183,138	126,790,984	129,453,594	132,172,120	134,947,734	137,781,637	140,675,051	143,629,227	146,645,441	149,724,995
112,925,282	112,942,594	112,960,271	112,978,318	112,996,745	113,015,558	113,034,767	113,054,379	113,074,403	113,038,147
31,031,701	26,843,785	22,754,758	18,870,487	15,130,560	11,426,557	7,733,287	4,046,300	361,538	(3,318,324)
78,819,201	70,263,315	61,898,033	53,927,782	46,235,899	38,613,004	31,010,445	23,419,620	15,832,682	8,254,793
-	-	-	-	-	-	-	-	-	-
730,549,263	698,357,974	696,575,520	691,405,835	688,981,422	685,434,636	684,786,842	684,492,342	684,570,269	688,025,645

NIPSCO Retirement 7H

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
3,459	*Total Portfolio Cost*	337,127,441	307,233,984	260,733,584	201,265,820	221,263,861	253,749,655	256,718,843	276,085,436	256,747,136	268,303,038
1,979	*Total Owned Cost*	281,968,594	230,607,047	202,246,750	172,640,313	164,383,906	172,981,406	190,379,031	128,355,875	118,775,391	113,941,055
-1,753	*Net Market Purchases*	(48,793,262)	(37,603,836)	(111,256,748)	(159,913,513)	(161,469,720)	(200,816,332)	(217,357,119)	(139,705,787)	(127,763,635)	(138,132,709)
3,233	*Contract Cost*	103,952,109	114,230,773	169,743,582	188,539,020	218,349,675	281,584,581	283,696,931	287,435,348	265,735,381	292,494,693
1,351	*FOM*	121,767,387	132,602,897	117,921,573	100,303,757	107,767,708	102,095,101	112,949,171	96,244,185	83,587,660	86,570,999
2,349	*Book Depreciation*	180,431,378	196,337,130	244,407,166	244,909,714	249,705,357	251,217,252	256,225,300	259,157,898	259,596,797	261,163,330
684	*Taxes*	41,579,442	48,438,240	78,147,238	98,454,210	95,824,131	93,208,353	89,367,064	79,415,594	67,555,343	61,738,306
1,734	*Capital Charge*	139,839,538	150,758,626	208,257,735	245,710,740	232,172,312	219,341,323	205,914,185	193,764,579	176,574,943	157,677,126
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
9,671	*Total Revenue Requirement*	820,745,187	835,842,501	918,964,935	913,291,620	929,144,561	942,220,012	943,812,608	927,119,855	861,956,810	838,720,509

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
278,815,091	279,592,975	282,687,718	284,583,986	298,529,726	304,096,961	300,961,381	308,107,961	311,347,846	319,806,662
118,867,531	120,442,719	121,485,758	118,711,695	123,429,422	104,341,727	127,300,508	123,034,477	133,530,594	137,857,672
(149,503,973)	(150,918,250)	(149,326,465)	(145,523,490)	(170,233,244)	(153,126,166)	(177,651,455)	(164,059,305)	(159,534,889)	(171,271,625)
309,451,532	310,068,506	310,528,425	311,395,781	345,333,548	352,881,401	351,312,329	349,132,789	337,352,141	353,220,615
89,004,244	100,008,491	98,786,781	103,818,175	103,278,251	107,749,099	113,728,696	117,382,118	118,603,998	122,703,048
261,282,692	267,527,546	267,629,763	93,363,832	93,445,665	93,541,496	97,627,524	98,329,200	98,406,036	97,306,350
55,762,638	52,586,444	49,278,410	45,208,301	42,810,069	39,143,665	37,760,908	36,531,299	32,848,663	28,880,799
138,547,093	124,954,030	111,152,856	99,503,953	94,707,481	87,461,437	84,624,681	82,083,035	74,803,764	66,973,065
-	-	-	-	-	-	-	-	-	-
823,411,758	824,669,485	809,535,527	626,478,246	632,771,191	631,992,659	634,703,190	642,433,614	636,010,308	635,669,923

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
353,559,495	331,841,192	343,647,762	350,408,383	336,807,631	335,643,529	344,016,450	352,682,183	361,663,938	374,014,925
140,752,683	143,708,489	146,726,368	149,807,621	152,953,581	156,165,607	159,445,084	162,793,431	166,212,093	169,702,547
(174,868,329)	(178,540,564)	(182,289,916)	(186,118,004)	(190,026,482)	(194,017,038)	(198,091,396)	(202,251,315)	(206,498,593)	(210,835,064)
387,675,141	366,673,267	379,211,310	386,718,766	373,880,532	373,494,961	382,662,761	392,140,067	401,950,438	415,147,441
125,279,812	127,910,688	130,596,813	133,339,346	136,139,472	138,998,401	141,917,368	144,897,632	147,940,483	151,047,233
95,840,026	95,910,883	95,983,229	96,057,093	96,132,509	96,209,509	95,138,125	95,218,393	95,300,346	95,327,320
25,021,249	21,231,509	17,520,688	13,964,192	10,524,910	7,120,778	3,743,667	389,093	(2,964,419)	(4,758,442)
59,351,093	51,863,683	44,528,418	37,490,909	30,679,487	23,935,674	17,243,764	10,595,095	3,948,189	312,494
-	-	-	-	-	-	-	-	-	-
659,051,675	628,757,956	632,276,910	631,259,924	610,284,010	601,907,891	602,059,373	603,782,396	605,888,537	615,943,529

AGGRESSIVE ENVIRONMENTAL REGULATION
NIPSCO Retirement 1

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
5,170	*Total Portfolio Cost*	338,395,027	322,317,600	316,083,125	273,950,388	285,688,184	299,292,672	309,617,729	335,481,727	338,644,029	361,743,800
2,692	*Total Owned Cost*	282,344,250	242,645,922	190,346,031	187,242,844	168,626,734	181,815,813	208,291,172	197,245,406	222,746,156	239,482,719
-419	*Net Market Purchases*	(47,901,332)	(34,559,102)	(45,138,973)	(104,928,359)	(72,097,336)	(76,229,805)	(96,176,273)	(61,796,742)	(61,482,594)	(56,602,625)
2,896	*Contract Cost*	103,952,109	114,230,779	170,876,067	191,635,903	189,158,786	193,706,664	197,502,830	200,033,063	177,380,466	178,863,706
1,306	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	99,539,874	97,906,162	113,064,817	107,508,122	112,071,758	111,145,324
2,320	*Book Depreciation*	180,431,378	196,503,797	244,772,166	245,270,048	245,760,124	247,348,686	251,466,478	251,956,335	252,495,235	254,145,101
685	*Taxes*	41,579,442	48,535,568	78,453,380	98,859,759	93,759,503	88,940,524	85,016,989	79,718,191	72,437,429	65,773,743
1,700	*Capital Charge*	139,839,538	150,946,575	208,848,922	246,493,889	228,185,342	211,099,789	197,513,827	182,327,823	163,300,646	145,451,669
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
11,275	*Total Revenue Requirement*	822,230,934	851,975,862	976,191,129	985,946,864	975,344,220	967,196,161	979,317,884	979,444,361	956,844,027	941,527,347

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
389,123,298	406,662,166	416,400,657	443,656,150	445,639,493	463,037,663	468,279,633	489,459,615	532,104,677	533,529,326
289,502,688	251,647,219	210,022,063	222,846,500	226,642,219	184,047,406	227,939,500	218,910,547	221,496,172	217,612,016
(81,936,336)	(52,413,406)	(19,221,766)	(7,950,984)	(45,184,719)	7,292,609	(28,366,172)	3,817,734	58,902,906	48,582,547
181,556,947	207,428,354	225,600,361	228,760,634	264,181,993	271,697,648	268,706,305	266,731,334	251,705,599	267,334,764
114,489,360	94,545,938	79,928,480	84,563,849	83,619,584	87,677,600	97,312,244	100,620,921	101,490,816	105,230,489
254,297,797	264,050,630	264,191,858	89,965,757	90,088,256	90,225,608	97,161,576	97,906,535	98,027,563	96,972,996
58,883,449	52,935,500	47,386,941	43,422,396	41,129,271	37,574,291	37,910,136	38,259,619	34,441,664	30,383,314
127,245,965	118,323,822	108,844,224	97,342,655	92,692,639	85,605,246	86,030,735	86,481,932	78,884,830	70,822,880
-	-	-	-	-	-	-	-	-	-
944,039,869	936,518,057	916,752,160	758,950,807	753,169,243	764,120,408	786,694,324	812,728,622	844,949,550	836,939,005

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
658,085,566	665,592,302	759,464,403	803,885,524	859,467,433	908,093,019	934,924,027	962,585,462	991,166,228	1,019,427,072
222,181,868	226,847,687	231,611,489	236,475,330	241,441,312	246,511,579	251,688,323	256,973,777	262,370,227	267,880,001
49,602,780	50,644,439	51,707,972	52,793,839	53,902,510	55,034,463	56,190,186	57,370,180	58,574,954	59,805,028
386,300,918	388,100,176	476,144,943	514,616,355	564,123,611	606,546,977	627,045,518	648,241,505	670,221,047	691,742,042
107,440,329	109,696,576	112,000,205	114,352,209	116,753,605	119,205,431	121,708,745	124,264,629	126,874,186	129,538,544
95,552,739	95,670,631	95,790,999	95,913,894	96,039,370	96,167,481	95,148,282	95,281,830	95,418,183	95,500,699
26,466,010	22,632,259	18,867,023	15,253,302	11,782,918	8,365,792	5,017,960	1,777,878	(1,418,444)	(4,038,017)
63,032,862	55,403,947	47,907,084	40,702,553	33,774,551	26,949,128	20,257,242	13,773,148	7,373,273	2,086,856
-	-	-	-	-	-	-	-	-	-
950,577,507	948,995,715	1,034,029,712	1,070,107,482	1,117,817,877	1,158,780,850	1,177,056,256	1,197,682,947	1,219,413,426	1,242,515,153

NIPSCO Retirement 2

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
5,152	*Total Portfolio Cost*	338,395,027	322,317,600	316,083,125	273,950,388	285,688,184	299,023,453	309,009,885	341,207,884	342,336,857	351,046,011
2,443	*Total Owned Cost*	282,344,250	242,645,922	190,346,031	187,242,844	168,626,734	181,815,813	208,291,172	135,936,938	110,374,109	116,235,156
-241	*Net Market Purchases*	(47,901,332)	(34,559,102)	(45,138,973)	(104,928,359)	(72,097,336)	(85,455,695)	(105,859,305)	(3,974,727)	45,270,813	31,216,055
2,950	*Contract Cost*	103,952,109	114,230,779	170,876,067	191,635,903	189,158,786	202,663,336	206,578,018	209,245,673	186,691,935	203,594,800
1,245	*FOM*	121,767,387	132,602,897	117,921,573	100,303,757	101,162,049	95,688,162	106,410,817	93,805,435	80,720,985	83,644,124
2,332	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,174,714	245,664,791	247,178,353	251,071,145	260,430,161	260,905,620	262,509,480
673	*Taxes*	41,579,442	48,477,171	78,339,187	98,753,410	93,660,720	88,802,522	84,710,198	78,231,492	70,303,351	64,476,317
1,713	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,288,520	227,994,584	210,833,295	196,921,388	191,477,980	181,881,575	162,964,455
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
11,208	*Total Revenue Requirement*	822,012,773	851,106,894	975,142,095	987,118,167	976,581,520	964,134,113	970,761,478	987,605,113	954,043,318	927,908,097

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
367,525,243	387,986,760	409,744,376	437,093,181	439,199,696	456,714,288	462,099,008	483,403,600	526,178,833	527,723,014
149,701,141	184,795,656	210,022,063	222,846,500	226,642,219	184,047,406	227,939,500	218,910,547	221,496,172	217,612,016
3,469,781	(13,552,531)	(19,221,766)	(7,950,984)	(45,184,719)	7,292,609	(28,366,172)	3,817,734	58,902,906	48,582,547
214,354,322	216,743,635	218,944,079	222,197,665	257,742,196	265,374,273	262,525,680	260,675,318	245,779,755	261,528,451
86,015,905	81,538,068	79,928,480	84,563,849	83,619,584	87,677,600	97,312,244	100,620,921	101,490,816	105,230,489
262,666,953	262,938,612	263,080,558	88,855,190	88,978,437	89,116,553	96,053,301	96,799,057	96,920,897	95,867,160
58,492,459	51,778,399	45,047,247	41,190,511	38,983,602	35,491,415	35,868,993	36,245,479	32,449,792	28,413,827
143,818,605	123,393,629	102,982,128	91,745,263	87,318,254	80,408,637	80,971,234	81,531,094	74,033,511	66,071,304
-	-	-	-	-	-	-	-	-	-
918,519,165	907,635,469	900,782,788	743,447,994	738,099,573	749,408,494	772,304,781	798,600,150	831,073,850	823,305,795

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
652,279,254	659,785,990	769,258,069	814,213,846	870,335,652	919,516,029	946,903,404	975,147,064	1,004,315,545	1,070,190,938
222,181,868	226,847,687	231,611,489	236,475,330	241,441,312	246,511,579	251,688,323	256,973,777	262,370,227	267,880,001
49,602,780	50,644,439	51,707,972	52,793,839	53,902,510	55,034,463	56,190,186	57,370,180	58,574,954	59,805,028
380,494,606	382,293,864	485,938,609	524,944,677	574,991,830	617,969,987	639,024,895	660,803,107	683,370,364	742,505,909
107,440,329	109,696,576	112,000,205	114,352,209	116,753,605	119,205,431	121,708,745	124,264,629	126,874,186	129,538,544
94,447,751	94,566,509	94,687,760	94,811,557	94,937,954	95,067,006	94,048,767	94,183,296	94,320,649	94,404,187
24,518,890	20,707,154	17,002,870	13,529,150	10,238,404	7,000,664	3,788,944	598,849	(2,590,881)	(4,530,803)
58,380,996	50,851,110	43,528,467	36,650,807	30,126,221	23,703,723	17,331,197	11,000,151	4,669,521	752,083
-	-	-	-	-	-	-	-	-	-
937,067,221	935,607,339	1,036,477,371	1,073,557,568	1,122,391,837	1,164,492,852	1,183,781,057	1,205,193,988	1,227,589,019	1,290,354,949

NIPSCO Retirement 3

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
5,170	*Total Portfolio Cost*	338,395,027	322,317,600	316,083,125	273,950,388	285,688,184	309,385,953	324,349,908	345,009,610	342,336,857	351,046,011
2,312	*Total Owned Cost*	282,344,250	242,645,922	190,346,031	187,242,844	168,626,734	124,218,188	100,025,234	88,644,734	110,374,109	116,235,156
-92	*Net Market Purchases*	(47,901,332)	(34,559,102)	(45,138,973)	(104,928,359)	(72,097,336)	(17,495,570)	17,746,656	47,119,203	45,270,813	31,216,055
2,950	*Contract Cost*	103,952,109	114,230,779	170,876,067	191,635,903	189,158,786	202,663,336	206,578,018	209,245,673	186,691,935	203,594,800
1,211	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	99,539,874	83,969,685	77,697,997	81,636,598	80,720,985	83,644,124
2,339	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,174,714	245,558,124	255,708,891	259,592,188	260,001,185	260,476,645	262,080,504
661	*Taxes*	41,579,442	48,477,171	78,339,187	98,753,410	93,598,430	86,244,847	80,147,496	75,560,217	69,125,647	63,356,210
1,722	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,288,520	227,874,297	220,306,660	215,611,964	199,149,584	179,098,908	160,312,267
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
11,198	*Total Revenue Requirement*	822,230,934	851,704,696	975,756,419	985,539,813	974,670,102	978,224,363	980,037,597	983,809,357	949,653,972	923,706,828

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
367,525,243	387,986,760	409,744,376	437,093,181	439,199,696	456,714,288	462,099,008	483,403,600	526,178,833	527,723,014
149,701,141	184,795,656	210,022,063	222,846,500	226,642,219	184,047,406	227,939,500	218,910,547	221,496,172	217,612,016
3,469,781	(13,552,531)	(19,221,766)	(7,950,984)	(45,184,719)	7,292,609	(28,366,172)	3,817,734	58,902,906	48,582,547
214,354,322	216,743,635	218,944,079	222,197,665	257,742,196	265,374,273	262,525,680	260,675,318	245,779,755	261,528,451
86,015,905	81,538,068	79,928,480	84,563,849	83,619,584	87,677,600	97,312,244	100,620,921	101,490,816	105,230,489
262,237,978	262,509,637	262,651,582	88,426,215	88,549,462	88,687,578	95,624,326	96,370,081	96,491,922	95,438,185
57,424,728	50,754,515	44,051,617	40,209,096	38,011,938	34,529,624	34,917,072	35,303,429	31,517,612	27,491,518
141,286,814	120,965,762	100,628,076	89,437,918	85,048,993	78,177,695	78,778,607	79,376,781	71,917,513	63,993,621
-	-	-	-	-	-	-	-	-	-
914,490,668	903,754,742	897,004,131	739,730,259	734,429,674	745,786,786	768,731,257	795,074,811	827,596,696	819,876,826

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
652,279,254	659,785,990	769,258,069	814,213,846	870,335,652	919,516,029	946,903,404	975,147,064	1,004,315,545	1,070,190,938
222,181,868	226,847,687	231,611,489	236,475,330	241,441,312	246,511,579	251,688,323	256,973,777	262,370,227	267,880,001
49,602,780	50,644,439	51,707,972	52,793,839	53,902,510	55,034,463	56,190,186	57,370,180	58,574,954	59,805,028
380,494,606	382,293,864	485,938,609	524,944,677	574,991,830	617,969,987	639,024,895	660,803,107	683,370,364	742,505,909
107,440,329	109,696,576	112,000,205	114,352,209	116,753,605	119,205,431	121,708,745	124,264,629	126,874,186	129,538,544
94,018,776	94,137,533	94,258,784	94,382,582	94,508,979	94,638,030	93,619,792	93,754,320	93,891,674	93,975,212
23,644,962	19,958,761	16,378,898	12,950,214	9,664,521	6,430,975	3,222,776	35,931	(3,150,712)	(4,785,505)
56,415,996	49,147,783	42,084,662	35,313,223	28,817,648	22,422,504	16,076,032	9,770,515	3,465,103	156,147
-	-	-	-	-	-	-	-	-	-
933,799,318	932,726,644	1,033,980,618	1,071,212,073	1,120,080,404	1,162,212,969	1,181,530,748	1,202,972,459	1,225,395,796	1,289,075,336

NIPSCO Retirement 5

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
5,150	*Total Portfolio Cost*	338,395,027	322,317,600	316,083,125	273,950,388	284,667,372	297,862,414	309,064,182	341,207,884	342,336,857	351,046,011
2,442	*Total Owned Cost*	282,344,250	242,645,922	190,346,031	187,242,844	168,626,734	181,520,250	208,106,031	135,936,938	110,374,109	116,235,156
-242	*Net Market Purchases*	(47,901,332)	(34,559,102)	(45,138,973)	(104,928,359)	(73,118,148)	(86,321,172)	(105,619,867)	(3,974,727)	45,270,813	31,216,055
2,950	*Contract Cost*	103,952,109	114,230,779	170,876,067	191,635,903	189,158,786	202,663,336	206,578,018	209,245,673	186,691,935	203,594,800
1,260	*FOM*	121,767,387	132,602,897	117,921,573	100,303,757	107,767,708	102,095,101	106,764,006	94,162,817	81,462,583	84,401,296
2,336	*Book Depreciation*	180,431,378	196,337,130	244,407,166	244,909,714	248,439,348	249,951,243	251,361,691	260,497,374	260,972,833	262,576,693
675	*Taxes*	41,579,442	48,438,240	78,147,238	98,454,210	95,104,893	91,835,684	86,068,829	77,966,753	69,971,464	64,184,083
1,717	*Capital Charge*	139,839,538	150,758,626	208,257,735	245,710,740	230,783,403	216,690,583	199,545,018	190,966,746	181,240,674	162,400,126
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
11,231	*Total Revenue Requirement*	822,012,773	850,926,117	974,314,476	985,976,188	989,173,916	981,043,352	975,441,770	987,253,735	953,879,341	927,875,919

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
367,525,243	387,996,510	409,754,220	437,102,931	439,209,352	456,724,492	462,109,039	483,413,693	526,188,615	527,732,748
149,701,141	184,795,656	210,022,063	222,846,500	226,642,219	184,047,406	227,939,500	218,910,547	221,496,172	217,612,016
3,469,781	(13,552,531)	(19,221,766)	(7,950,984)	(45,184,703)	7,292,594	(28,366,172)	3,817,734	58,902,906	48,582,547
214,354,322	216,753,385	218,953,923	222,207,415	257,751,837	265,384,492	262,535,711	260,685,412	245,789,537	261,538,186
86,788,976	82,327,375	80,734,361	85,386,654	84,459,668	88,535,326	98,187,982	101,515,049	102,403,721	106,162,566
262,734,166	263,005,826	263,147,771	88,922,403	89,045,650	89,183,766	96,120,515	96,866,270	96,988,111	95,934,373
58,207,520	51,505,876	44,824,487	41,019,417	38,830,722	35,340,101	35,719,244	36,097,296	32,303,174	28,269,766
143,268,366	122,867,363	102,551,959	91,414,867	87,023,030	80,116,437	80,682,056	81,244,939	73,750,379	65,793,109
-	-	-	-	-	-	-	-	-	-
918,524,273	907,702,949	901,012,797	743,846,272	738,568,423	749,900,122	772,818,837	799,137,247	831,633,999	823,892,562

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
652,288,996	659,795,732	769,267,811	814,223,588	870,345,394	919,525,771	946,913,146	975,156,806	1,004,325,287	1,070,200,681
222,181,868	226,847,687	231,611,489	236,475,330	241,441,312	246,511,579	251,688,323	256,973,777	262,370,227	267,880,001
49,602,780	50,644,439	51,707,972	52,793,839	53,902,510	55,034,463	56,190,186	57,370,180	58,574,954	59,805,028
380,504,348	382,303,606	485,948,351	524,954,419	575,001,572	617,979,729	639,034,637	660,812,849	683,380,106	742,515,651
108,391,979	110,668,211	112,992,243	115,365,081	117,787,747	120,261,290	122,786,777	125,365,299	127,997,971	130,685,928
94,514,965	94,633,722	94,754,973	94,878,770	95,005,167	95,134,219	94,115,980	94,250,509	94,387,862	94,471,400
24,379,370	20,572,943	16,871,863	13,397,809	10,105,067	6,865,313	3,651,563	459,432	(2,732,335)	(4,602,039)
58,111,571	50,591,936	43,275,483	36,397,176	29,868,735	23,442,348	17,065,902	10,730,924	4,396,363	614,522
-	-	-	-	-	-	-	-	-	-
937,686,881	936,262,544	1,037,162,374	1,074,262,424	1,123,112,110	1,165,228,941	1,184,533,368	1,205,962,970	1,228,375,148	1,291,370,492

NIPSCO Retirement 6

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
5,043	*Total Portfolio Cost*	338,395,027	322,317,600	316,083,125	273,950,388	284,667,372	311,784,766	326,544,268	345,791,079	341,204,318	347,509,175
2,311	*Total Owned Cost*	282,344,250	242,645,922	190,346,031	187,242,844	168,626,734	123,922,609	99,840,094	88,644,734	110,374,109	116,235,156
-511	*Net Market Purchases*	(47,901,332)	(34,559,102)	(45,138,973)	(104,928,359)	(73,118,148)	(46,373,805)	(11,745,969)	15,623,328	11,679,617	(4,866,797)
3,243	*Contract Cost*	103,952,109	114,230,779	170,876,067	191,635,903	189,158,786	234,235,961	238,450,143	241,523,016	219,150,591	236,140,816
1,226	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	106,145,534	90,376,623	78,051,186	81,993,980	81,462,583	84,401,296
2,343	*Book Depreciation*	180,431,378	196,337,130	244,407,166	244,909,714	248,332,682	258,481,782	259,882,734	260,068,399	260,543,858	262,147,717
663	*Taxes*	41,579,442	48,438,240	78,147,238	98,454,210	95,042,603	89,278,008	81,506,127	75,295,478	68,793,760	63,063,976
1,726	*Capital Charge*	139,839,538	150,758,626	208,257,735	245,710,740	230,663,116	226,163,948	218,235,594	198,638,351	178,458,007	159,747,938
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
11,096	*Total Revenue Requirement*	822,230,934	851,523,918	974,928,800	984,397,834	987,262,498	998,693,453	986,857,953	984,239,448	948,357,456	920,137,813

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
359,478,853	373,531,322	390,273,939	411,927,619	408,025,727	424,906,585	428,690,727	448,605,850	490,578,802	490,602,170
149,701,141	184,795,656	210,022,063	222,846,500	226,642,219	184,047,406	227,939,500	218,910,547	221,496,172	217,612,016
(37,216,219)	(59,586,875)	(70,238,813)	(64,709,672)	(107,965,484)	(56,277,656)	(93,447,703)	(62,704,313)	(8,464,922)	(20,421,328)
246,993,931	248,322,541	250,490,689	253,790,790	289,348,993	297,136,835	294,198,930	292,399,615	277,547,552	293,411,483
86,788,976	82,327,375	80,734,361	85,386,654	84,459,668	88,535,326	98,187,982	101,515,049	102,403,721	106,162,566
262,305,191	262,576,850	262,718,795	88,493,428	88,616,675	88,754,791	95,691,539	96,437,295	96,559,135	95,505,398
57,139,790	50,481,991	43,828,856	40,038,002	37,859,059	34,378,309	34,767,323	35,155,245	31,370,994	27,347,456
140,736,575	120,439,497	100,197,907	89,107,522	84,753,770	77,885,495	78,489,429	79,090,626	71,634,381	63,715,425
-	-	-	-	-	-	-	-	-	-
906,449,385	889,357,036	877,753,858	714,953,224	703,714,899	714,460,506	735,827,000	760,804,064	792,547,033	783,333,015

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
613,709,344	619,736,568	727,698,065	771,111,538	825,658,651	921,621,079	949,057,059	977,394,169	1,006,637,233	1,072,583,963
222,181,868	226,847,687	231,611,489	236,475,330	241,441,312	246,511,579	251,688,323	256,973,777	262,370,227	267,880,001
(20,850,176)	(21,288,030)	(21,735,078)	(22,191,515)	(22,657,537)	(23,133,345)	(23,619,145)	(24,115,147)	(24,621,565)	(25,138,618)
412,377,652	414,176,910	517,821,655	556,827,723	606,874,876	698,242,845	720,987,882	744,535,539	768,888,572	829,842,580
108,391,979	110,668,211	112,992,243	115,365,081	117,787,747	120,261,290	122,786,777	125,365,299	127,997,971	130,685,928
94,085,989	94,204,746	94,325,998	94,449,795	94,576,192	94,705,243	93,687,005	93,821,533	93,958,887	94,042,425
23,505,442	19,824,550	16,247,891	12,818,873	9,531,183	6,295,624	3,085,394	(103,486)	(3,292,165)	(4,856,741)
56,146,571	48,888,609	41,831,678	35,059,593	28,560,162	22,161,130	15,810,737	9,501,289	3,191,945	18,586
-	-	-	-	-	-	-	-	-	-
895,839,325	893,322,684	993,095,875	1,028,804,878	1,076,113,935	1,165,044,366	1,184,426,972	1,205,978,804	1,228,493,871	1,292,474,160

NIPSCO Retirement 7

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
4,645	*Total Portfolio Cost*	338,395,027	322,317,600	316,246,953	272,017,849	282,366,784	296,793,348	307,142,808	335,453,464	332,875,596	334,466,232
1,407	*Total Owned Cost*	282,344,250	242,645,922	190,346,031	187,242,844	168,626,734	181,520,250	188,813,594	118,029,852	90,942,773	97,716,516
-571	*Net Market Purchases*	(47,901,332)	(34,559,102)	(45,138,973)	(103,703,258)	(73,069,027)	(129,261,891)	(130,605,105)	(34,856,133)	11,582,672	(15,233,445)
3,808	*Contract Cost*	103,952,109	114,230,779	171,039,895	188,478,263	186,809,077	244,534,988	248,934,320	252,279,745	230,350,151	251,983,161
1,347	*FOM*	121,767,387	132,602,897	117,921,573	100,303,757	107,767,708	102,095,101	112,239,108	95,519,211	82,847,462	85,815,257
2,385	*Book Depreciation*	180,431,378	196,337,130	244,407,166	244,905,048	248,434,682	249,946,577	252,677,125	255,603,463	256,035,973	257,588,648
688	*Taxes*	41,579,442	48,438,240	78,147,238	98,451,485	95,099,564	91,830,593	87,026,712	76,172,957	64,545,567	58,928,149
1,780	*Capital Charge*	139,839,538	150,758,626	208,257,735	245,705,478	230,773,112	216,680,754	201,394,770	187,502,776	170,762,814	152,250,477
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
10,939	*Total Revenue Requirement*	822,012,773	850,926,117	974,478,304	984,030,995	986,853,042	979,954,699	983,118,567	972,704,034	924,962,342	892,316,473

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
343,156,759	343,972,484	347,645,309	355,226,668	336,067,647	333,660,722	339,716,043	354,446,143	391,310,229	387,886,953
125,485,922	57,323,383	8,189,882	7,893,647	7,883,523	7,845,204	7,872,079	7,902,240	8,067,388	8,393,036
(49,280,117)	(30,145,172)	(11,849,359)	(8,563,594)	(62,424,281)	(70,062,844)	(59,869,000)	(43,736,906)	7,858,500	(12,301,031)
266,950,954	316,794,273	351,304,786	355,896,615	390,608,404	395,878,361	391,712,964	390,280,809	375,384,341	391,794,948
88,232,631	109,405,017	96,115,850	99,180,771	100,267,567	107,219,844	114,497,108	116,242,430	119,150,212	121,628,930
257,701,350	277,958,550	278,030,490	101,574,939	101,624,199	105,025,594	108,479,124	108,495,732	108,541,369	107,390,318
53,136,133	54,989,697	56,204,725	49,913,418	45,357,816	42,983,298	42,473,347	39,723,365	35,089,182	30,848,739
133,475,092	135,420,492	135,404,470	118,542,497	109,282,011	104,232,489	102,782,708	97,006,351	87,590,551	78,934,203
-	-	-	-	-	-	-	-	-	-
875,701,964	921,746,241	913,400,845	724,438,293	692,599,240	693,121,947	707,948,331	715,914,021	741,681,543	726,689,142

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
527,505,496	529,243,554	657,376,702	698,537,772	751,020,717	843,570,131	867,506,311	892,291,388	917,897,721	992,467,693
8,569,290	8,749,245	8,932,979	9,120,572	9,312,104	9,507,658	9,707,319	9,911,172	10,119,307	10,331,812
(12,559,353)	(12,823,099)	(13,092,384)	(13,367,324)	(13,648,038)	(13,934,647)	(14,227,275)	(14,526,047)	(14,831,094)	(15,142,547)
531,495,559	533,317,408	661,536,107	702,784,525	755,356,652	847,997,120	872,026,267	896,906,263	922,609,508	997,278,428
124,183,138	126,790,984	129,453,594	132,172,120	134,947,734	137,781,637	140,675,051	143,629,227	146,645,441	149,724,995
105,871,551	105,888,864	105,906,540	105,924,588	105,943,014	105,961,828	105,981,036	106,000,648	106,020,672	105,984,416
26,844,675	22,902,603	19,055,413	15,400,920	11,878,684	8,388,336	4,908,722	1,435,389	(2,035,718)	(5,501,924)
70,733,703	62,652,562	54,754,287	47,227,758	39,956,254	32,745,945	25,555,972	18,377,732	11,203,381	4,038,077
-	-	-	-	-	-	-	-	-	-
855,138,563	847,478,567	966,546,537	999,263,157	1,043,746,404	1,128,447,876	1,144,627,092	1,161,734,385	1,179,731,497	1,246,713,257

NIPSCO Retirement 7H

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
5,091	*Total Portfolio Cost*	338,395,027	322,317,600	316,083,125	272,072,524	301,577,195	322,860,498	330,654,545	360,996,887	359,394,853	360,986,517
2,588	*Total Owned Cost*	282,344,250	242,645,922	190,346,031	187,242,844	168,626,734	190,474,172	211,399,469	138,396,922	111,507,383	115,156,055
-1,283	*Net Market Purchases*	(47,901,332)	(34,559,102)	(45,138,973)	(103,710,410)	(79,615,711)	(143,504,961)	(159,636,156)	(60,303,430)	(14,718,219)	(40,183,219)
3,786	*Contract Cost*	103,952,109	114,230,779	170,876,067	188,540,091	212,566,171	275,891,287	278,891,233	282,903,395	262,605,689	286,013,681
1,351	*FOM*	121,767,387	132,602,897	117,921,573	100,303,757	107,767,708	102,095,101	112,949,171	96,244,185	83,587,660	86,570,999
2,328	*Book Depreciation*	180,431,378	196,337,130	244,407,166	244,909,714	248,439,348	249,951,243	253,844,036	256,776,633	257,215,532	258,782,065
670	*Taxes*	41,579,442	48,438,240	78,147,238	98,454,210	95,104,893	91,835,684	87,479,085	77,047,427	65,370,510	59,709,879
1,707	*Capital Charge*	139,839,538	150,758,626	208,257,735	245,710,740	230,783,403	216,690,583	202,268,340	189,191,451	172,355,847	153,760,065
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
11,242	*Total Revenue Requirement*	822,012,773	850,926,117	974,314,476	984,098,325	1,006,083,738	1,006,041,436	1,009,833,222	1,002,708,745	955,819,333	923,077,236

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
369,125,079	379,467,746	401,610,305	420,350,826	412,445,713	428,894,630	433,679,858	453,563,654	486,933,737	472,575,815
147,371,250	180,115,375	206,960,078	218,754,500	221,334,797	178,779,688	223,141,766	219,949,453	247,185,141	283,023,281
(80,782,391)	(109,853,945)	(127,879,891)	(126,809,313)	(174,632,234)	(123,736,641)	(160,298,297)	(134,631,438)	(114,099,500)	(177,648,469)
302,536,220	309,206,316	322,530,117	328,405,638	365,743,151	373,851,584	370,836,389	368,245,638	353,848,096	367,201,002
89,004,244	100,008,491	98,786,781	103,818,175	103,278,251	107,749,099	113,728,696	117,382,118	118,603,998	122,703,048
258,901,428	265,146,281	265,248,498	90,982,567	91,064,400	91,160,232	94,644,641	95,346,318	95,423,154	94,323,467
53,876,260	50,827,632	47,630,161	43,654,641	41,336,017	37,741,741	36,089,325	34,621,327	31,067,029	27,216,643
134,904,339	121,557,618	107,969,949	96,503,705	91,860,965	84,754,205	81,396,712	78,394,720	71,363,279	63,759,441
-	-	-	-	-	-	-	-	-	-
905,811,349	917,007,768	921,245,693	755,309,913	739,985,346	750,299,907	759,539,232	779,308,137	803,391,197	780,578,414

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
603,412,465	607,478,595	741,441,921	783,745,999	816,356,296	905,101,948	932,009,642	959,837,029	988,545,571	1,066,281,977
288,966,770	295,035,072	301,230,809	307,556,656	314,015,346	320,609,668	327,342,471	334,216,663	341,235,213	348,401,152
(181,379,087)	(185,188,047)	(189,076,996)	(193,047,613)	(197,101,613)	(201,240,747)	(205,466,803)	(209,781,606)	(214,187,019)	(218,684,947)
495,824,781	497,631,570	629,288,109	669,236,957	699,442,563	785,733,028	810,133,974	835,401,972	861,497,378	936,565,772
125,279,812	127,910,688	130,596,813	133,339,346	136,139,472	138,998,401	141,917,368	144,897,632	147,940,483	151,047,233
92,857,144	92,928,001	93,000,346	93,074,211	93,149,627	93,226,626	92,155,243	92,235,510	92,317,463	92,344,437
23,466,826	19,783,589	16,179,270	12,725,241	9,380,345	6,066,564	2,779,804	(484,420)	(3,540,411)	(4,920,265)
56,349,373	49,067,628	41,938,029	35,098,392	28,469,237	21,899,898	15,382,463	8,908,268	2,835,900	-
-	-	-	-	-	-	-	-	-	-
901,365,620	897,168,501	1,023,156,380	1,057,983,189	1,083,494,978	1,165,293,439	1,184,244,519	1,205,394,021	1,228,099,007	1,304,753,382

ECONOMY-WIDE DECARBONIZATION
NIPSCO Retirement 1

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
5,869	*Total Portfolio Cost*	338,623,324	310,567,713	268,970,237	245,797,534	267,143,164	271,427,162	280,889,832	320,791,022	353,675,798	411,400,389
188	*Total Owned Cost*	279,553,156	215,544,703	171,837,953	127,760,000	119,382,148	86,260,867	61,621,723	(8,368,651)	(48,397,809)	(78,727,742)
24	*Net Market Purchases*	(44,685,152)	(19,005,051)	(43,708,453)	(84,178,969)	(60,620,695)	(51,688,938)	(61,917,828)	(17,274,918)	(12,067,211)	(8,266,129)
1,040	*Contract Cost*	103,755,320	114,028,060	140,840,737	159,193,451	160,644,592	137,324,060	109,343,635	80,849,010	29,077,474	9,442,304
4,617	*Gross REC Purchase Cost*	-	-	-	43,023,051	47,737,119	99,531,172	171,842,302	265,585,582	385,063,343	488,951,956
1,306	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	99,539,874	97,906,162	113,064,817	107,508,122	112,071,758	111,145,324
2,320	*Book Depreciation*	180,431,378	196,503,797	244,772,166	245,270,048	245,760,124	247,348,686	251,466,478	251,956,335	252,495,235	254,145,101
685	*Taxes*	41,579,442	48,535,568	78,453,380	98,859,759	93,759,503	88,940,524	85,016,989	79,718,191	72,437,429	65,773,743
1,700	*Capital Charge*	139,839,538	150,946,575	208,848,922	246,493,889	228,185,342	211,099,789	197,513,827	182,327,823	163,300,646	145,451,669
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
11,974	*Total Revenue Requirement*	822,459,230	840,225,974	929,078,241	957,794,010	956,799,199	939,330,651	950,589,987	964,753,655	971,875,797	991,183,936

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
452,484,824	487,846,127	524,561,172	579,327,156	588,017,183	608,725,126	637,868,318	695,727,263	771,483,684	805,954,201
(75,417,547)	(139,433,797)	(183,981,500)	(187,637,891)	(163,313,016)	(174,633,625)	(117,070,172)	(105,117,563)	(88,346,734)	(75,738,469)
(17,998,699)	35,166,633	78,519,805	83,511,992	49,606,086	80,707,555	38,925,648	51,073,664	74,349,711	72,968,664
2,684,808	(16,823,085)	(27,727,040)	(35,604,069)	(40,208,065)	(50,158,806)	(34,424,748)	(26,140,127)	(9,039,852)	6,390,111
543,216,262	608,936,376	657,749,908	719,057,123	741,932,178	752,810,002	750,437,589	775,911,288	794,520,560	802,333,895
114,489,360	94,545,938	79,928,480	84,563,849	83,619,584	87,677,600	97,312,244	100,620,921	101,490,816	105,230,489
254,297,797	264,050,630	264,191,858	89,965,757	90,088,256	90,225,608	97,161,576	97,906,535	98,027,563	96,972,996
58,883,449	52,935,500	47,386,941	43,422,396	41,129,271	37,574,291	37,910,136	38,259,619	34,441,664	30,383,314
127,245,965	118,323,822	108,844,224	97,342,655	92,692,639	85,605,246	86,030,735	86,481,932	78,884,830	70,822,880
-	-	-	-	-	-	-	-	-	-
1,007,401,395	1,017,702,018	1,024,912,674	894,621,813	895,546,933	909,807,870	956,283,009	1,018,996,270	1,084,328,557	1,109,363,880

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
916,485,090	902,403,893	971,621,692	992,670,365	1,026,833,845	1,054,607,579	1,064,357,070	1,074,470,165	1,084,898,655	1,095,119,160
(77,328,977)	(78,952,885)	(80,610,896)	(82,303,724)	(84,032,103)	(85,796,777)	(87,598,509)	(89,438,078)	(91,316,278)	(93,233,919)
74,501,006	76,065,527	77,662,903	79,293,824	80,958,994	82,659,133	84,394,975	86,167,270	87,976,782	89,824,295
116,979,166	102,957,356	172,235,790	193,346,370	227,573,059	255,411,327	265,226,709	275,407,079	285,904,255	296,194,890
802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895
107,440,329	109,696,576	112,000,205	114,352,209	116,753,605	119,205,431	121,708,745	124,264,629	126,874,186	129,538,544
95,552,739	95,670,631	95,790,999	95,913,894	96,039,370	96,167,481	95,148,282	95,281,830	95,418,183	95,500,699
26,466,010	22,632,259	18,867,023	15,253,302	11,782,918	8,365,792	5,017,960	1,777,878	(1,418,444)	(4,038,017)
63,032,862	55,403,947	47,907,084	40,702,553	33,774,551	26,949,128	20,257,242	13,773,148	7,373,273	2,086,856
-	-	-	-	-	-	-	-	-	-
1,208,977,031	1,185,807,306	1,246,187,001	1,258,892,323	1,285,184,289	1,305,295,409	1,306,489,299	1,309,567,650	1,313,145,853	1,318,207,242

NIPSCO Retirement 2

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
5,895	*Total Portfolio Cost*	338,623,324	310,567,713	268,970,237	245,797,534	267,143,164	269,990,940	278,027,066	328,395,005	366,912,234	407,339,404
34	*Total Owned Cost*	279,553,156	215,544,703	171,837,953	127,760,000	119,382,148	86,260,867	61,621,723	(55,646,516)	(121,393,469)	(154,993,734)
178	*Net Market Purchases*	(44,685,152)	(19,005,051)	(43,708,453)	(84,178,969)	(60,620,695)	(58,704,473)	(68,852,133)	33,831,734	72,057,008	68,923,648
1,066	*Contract Cost*	103,755,320	114,028,060	140,840,737	159,193,451	160,644,592	142,903,373	113,415,174	84,624,205	31,185,351	4,457,534
4,617	*Gross REC Purchase Cost*	-	-	-	43,023,051	47,737,119	99,531,172	171,842,302	265,585,582	385,063,343	488,951,956
1,245	*FOM*	121,767,387	132,602,897	117,921,573	100,303,757	101,162,049	95,688,162	106,410,817	93,805,435	80,720,985	83,644,124
2,332	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,174,714	245,664,791	247,178,353	251,071,145	260,430,161	260,905,620	262,509,480
673	*Taxes*	41,579,442	48,477,171	78,339,187	98,753,410	93,660,720	88,802,522	84,710,198	78,231,492	70,303,351	64,476,317
1,713	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,288,520	227,994,584	210,833,295	196,921,388	191,477,980	181,881,575	162,964,455
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
11,951	*Total Revenue Requirement*	822,241,070	839,357,007	928,029,207	958,965,313	958,036,499	935,101,600	939,778,659	974,792,235	978,618,694	984,201,491

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
442,537,120	482,772,111	525,005,065	579,827,031	588,610,347	609,405,215	638,648,075	696,593,573	772,448,970	807,015,417
(154,587,516)	(171,984,656)	(183,981,500)	(187,637,891)	(163,313,016)	(174,633,625)	(117,070,172)	(105,117,563)	(88,346,734)	(75,738,469)
61,018,047	67,568,105	78,519,805	83,511,992	49,606,086	80,707,555	38,925,648	51,073,664	74,349,711	72,968,664
(7,109,673)	(21,747,714)	(27,283,148)	(35,104,194)	(39,614,901)	(49,478,716)	(33,644,990)	(25,273,817)	(8,074,567)	7,451,327
543,216,262	608,936,376	657,749,908	719,057,123	741,932,178	752,810,002	750,437,589	775,911,288	794,520,560	802,333,895
86,015,905	81,538,068	79,928,480	84,563,849	83,619,584	87,677,600	97,312,244	100,620,921	101,490,816	105,230,489
262,666,953	262,938,612	263,080,558	88,855,190	88,978,437	89,116,553	96,053,301	96,799,057	96,920,897	95,867,160
58,492,459	51,778,399	45,047,247	41,190,511	38,983,602	35,491,415	35,868,993	36,245,479	32,449,792	28,413,827
143,818,605	123,393,629	102,982,128	91,745,263	87,318,254	80,408,637	80,971,234	81,531,094	74,033,511	66,071,304
-	-	-	-	-	-	-	-	-	-
993,531,041	1,002,420,820	1,016,043,477	886,181,843	887,510,224	902,099,421	948,853,848	1,011,790,123	1,077,343,986	1,102,598,198

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
917,546,306	903,465,109	986,532,362	1,007,847,479	1,042,276,870	1,070,325,237	1,080,349,807	1,090,752,571	1,101,470,558	1,142,441,909
(77,328,977)	(78,952,885)	(80,610,896)	(82,303,724)	(84,032,103)	(85,796,777)	(87,598,509)	(89,438,078)	(91,316,278)	(93,233,919)
74,501,006	76,065,527	77,662,903	79,293,824	80,958,994	82,659,133	84,394,975	86,167,270	87,976,782	89,824,295
118,040,382	104,018,572	187,146,460	208,523,485	243,016,084	271,128,986	281,219,446	291,689,484	302,476,159	343,517,639
802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895
107,440,329	109,696,576	112,000,205	114,352,209	116,753,605	119,205,431	121,708,745	124,264,629	126,874,186	129,538,544
94,447,751	94,566,509	94,687,760	94,811,557	94,937,954	95,067,006	94,048,767	94,183,296	94,320,649	94,404,187
24,518,890	20,707,154	17,002,870	13,529,150	10,238,404	7,000,664	3,788,944	598,849	(2,590,881)	(4,530,803)
58,380,996	50,851,110	43,528,467	36,650,807	30,126,221	23,703,723	17,331,197	11,000,151	4,669,521	752,083
-	-	-	-	-	-	-	-	-	-
1,202,334,273	1,179,286,457	1,253,751,663	1,267,191,201	1,294,333,055	1,315,302,061	1,317,227,460	1,320,799,495	1,324,744,032	1,362,605,920

NIPSCO Retirement 3

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
5,919	*Total Portfolio Cost*	338,623,324	310,567,713	268,970,237	245,797,534	267,143,164	282,145,174	297,743,664	334,986,622	366,912,234	407,339,404
-61	*Total Owned Cost*	279,553,156	215,544,703	171,837,953	127,760,000	119,382,148	43,939,848	(19,468,219)	(85,761,344)	(121,393,469)	(154,993,734)
295	*Net Market Purchases*	(44,685,152)	(19,005,051)	(43,708,453)	(84,178,969)	(60,620,695)	(5,191,938)	31,954,406	70,538,180	72,057,008	68,923,648
1,067	*Contract Cost*	103,755,320	114,028,060	140,840,737	159,193,451	160,644,592	143,866,092	113,415,174	84,624,205	31,185,351	4,457,534
4,617	*Gross REC Purchase Cost*	-	-	-	43,023,051	47,737,119	99,531,172	171,842,302	265,585,582	385,063,343	488,951,956
1,211	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	99,539,874	83,969,685	77,697,997	81,636,598	80,720,985	83,644,124
2,339	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,174,714	245,558,124	255,708,891	259,592,188	260,001,185	260,476,645	262,080,504
661	*Taxes*	41,579,442	48,477,171	78,339,187	98,753,410	93,598,430	86,244,847	80,147,496	75,560,217	69,125,647	63,356,210
1,722	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,288,520	227,874,297	220,306,660	215,611,964	199,149,584	179,098,908	160,312,267
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
11,947	*Total Revenue Requirement*	822,459,230	839,954,809	928,643,531	957,386,959	956,125,082	950,983,584	953,431,353	973,786,369	974,229,349	980,000,221

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
442,537,120	482,772,111	525,005,065	579,827,031	588,610,347	609,405,215	638,648,075	696,593,573	772,448,970	807,015,417
(154,587,516)	(171,984,656)	(183,981,500)	(187,637,891)	(163,313,016)	(174,633,625)	(117,070,172)	(105,117,563)	(88,346,734)	(75,738,469)
61,018,047	67,568,105	78,519,805	83,511,992	49,606,086	80,707,555	38,925,648	51,073,664	74,349,711	72,968,664
(7,109,673)	(21,747,714)	(27,283,148)	(35,104,194)	(39,614,901)	(49,478,716)	(33,644,990)	(25,273,817)	(8,074,567)	7,451,327
543,216,262	608,936,376	657,749,908	719,057,123	741,932,178	752,810,002	750,437,589	775,911,288	794,520,560	802,333,895
86,015,905	81,538,068	79,928,480	84,563,849	83,619,584	87,677,600	97,312,244	100,620,921	101,490,816	105,230,489
262,237,978	262,509,637	262,651,582	88,426,215	88,549,462	88,687,578	95,624,326	96,370,081	96,491,922	95,438,185
57,424,728	50,754,515	44,051,617	40,209,096	38,011,938	34,529,624	34,917,072	35,303,429	31,517,612	27,491,518
141,286,814	120,965,762	100,628,076	89,437,918	85,048,993	78,177,695	78,778,607	79,376,781	71,917,513	63,993,621
-	-	-	-	-	-	-	-	-	-
989,502,544	998,540,094	1,012,264,819	882,464,108	883,840,325	898,477,712	945,280,324	1,008,264,785	1,073,866,832	1,099,169,230

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
917,546,306	903,465,109	986,532,362	1,007,847,479	1,042,276,870	1,070,325,237	1,080,349,807	1,090,752,571	1,101,470,558	1,142,441,909
(77,328,977)	(78,952,885)	(80,610,896)	(82,303,724)	(84,032,103)	(85,796,777)	(87,598,509)	(89,438,078)	(91,316,278)	(93,233,919)
74,501,006	76,065,527	77,662,903	79,293,824	80,958,994	82,659,133	84,394,975	86,167,270	87,976,782	89,824,295
118,040,382	104,018,572	187,146,460	208,523,485	243,016,084	271,128,986	281,219,446	291,689,484	302,476,159	343,517,639
802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895
107,440,329	109,696,576	112,000,205	114,352,209	116,753,605	119,205,431	121,708,745	124,264,629	126,874,186	129,538,544
94,018,776	94,137,533	94,258,784	94,382,582	94,508,979	94,638,030	93,619,792	93,754,320	93,891,674	93,975,212
23,644,962	19,958,761	16,378,898	12,950,214	9,664,521	6,430,975	3,222,776	35,931	(3,150,712)	(4,785,505)
56,415,996	49,147,783	42,084,662	35,313,223	28,817,648	22,422,504	16,076,032	9,770,515	3,465,103	156,147
-	-	-	-	-	-	-	-	-	-
1,199,066,370	1,176,405,762	1,251,254,911	1,264,845,706	1,292,021,623	1,313,022,177	1,314,977,151	1,318,577,966	1,322,550,809	1,361,326,307

NIPSCO Retirement 5

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
5,895	*Total Portfolio Cost*	338,623,324	310,567,713	268,970,237	245,797,534	266,093,473	268,892,244	279,822,898	328,407,615	366,925,587	407,355,191
33	*Total Owned Cost*	279,553,156	215,544,703	171,837,953	127,760,000	119,382,148	86,014,266	61,485,578	(55,667,969)	(121,393,469)	(154,993,734)
176	*Net Market Purchases*	(44,685,152)	(19,005,051)	(43,708,453)	(84,178,969)	(61,966,902)	(59,916,973)	(68,648,680)	33,854,609	72,057,008	68,923,648
1,068	*Contract Cost*	103,755,320	114,028,060	140,840,737	159,193,451	160,941,108	143,263,779	115,143,697	84,635,392	31,198,705	4,473,321
4,617	*Gross REC Purchase Cost*	-	-	-	43,023,051	47,737,119	99,531,172	171,842,302	265,585,582	385,063,343	488,951,956
1,260	*FOM*	121,767,387	132,602,897	117,921,573	100,303,757	107,767,708	102,095,101	106,764,006	94,162,817	81,462,583	84,401,296
2,336	*Book Depreciation*	180,431,378	196,337,130	244,407,166	244,909,714	248,439,348	249,951,243	251,361,691	260,497,374	260,972,833	262,576,693
675	*Taxes*	41,579,442	48,438,240	78,147,238	98,454,210	95,104,893	91,835,684	86,068,829	77,966,753	69,971,464	64,184,083
1,717	*Capital Charge*	139,839,538	150,758,626	208,257,735	245,710,740	230,783,403	216,690,583	199,545,018	190,966,746	181,240,674	162,400,126
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
11,976	*Total Revenue Requirement*	822,241,070	839,176,230	927,201,588	957,823,334	970,600,017	952,073,182	946,200,487	974,453,466	978,468,071	984,185,099

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
442,553,644	482,787,648	525,020,244	579,842,015	588,624,862	609,418,821	638,661,861	696,607,534	772,462,771	807,030,272
(154,587,516)	(171,984,656)	(183,981,500)	(187,637,891)	(163,313,016)	(174,633,625)	(117,070,172)	(105,117,563)	(88,346,734)	(75,738,469)
61,018,051	67,568,102	78,519,805	83,511,992	49,606,086	80,707,555	38,925,648	51,073,664	74,349,719	72,968,664
(7,093,153)	(21,732,173)	(27,267,968)	(35,089,209)	(39,600,386)	(49,465,110)	(33,631,205)	(25,259,856)	(8,060,773)	7,466,182
543,216,262	608,936,376	657,749,908	719,057,123	741,932,178	752,810,002	750,437,589	775,911,288	794,520,560	802,333,895
86,788,976	82,327,375	80,734,361	85,386,654	84,459,668	88,535,326	98,187,982	101,515,049	102,403,721	106,162,566
262,734,166	263,005,826	263,147,771	88,922,403	89,045,650	89,183,766	96,120,515	96,866,270	96,988,111	95,934,373
58,207,520	51,505,876	44,824,487	41,019,417	38,830,722	35,340,101	35,719,244	36,097,296	32,303,174	28,269,766
143,268,366	122,867,363	102,551,959	91,414,867	87,023,030	80,116,437	80,682,056	81,244,939	73,750,379	65,793,109
-	-	-	-	-	-	-	-	-	-
993,552,673	1,002,494,088	1,016,278,822	886,585,356	887,983,934	902,594,451	949,371,658	1,012,331,088	1,077,908,156	1,103,190,085

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
917,561,162	903,479,964	986,547,218	1,007,862,335	1,042,291,726	1,070,340,093	1,080,364,662	1,090,767,426	1,101,485,413	1,142,456,765
(77,328,977)	(78,952,885)	(80,610,896)	(82,303,724)	(84,032,103)	(85,796,777)	(87,598,509)	(89,438,078)	(91,316,278)	(93,233,919)
74,501,006	76,065,527	77,662,903	79,293,824	80,958,994	82,659,133	84,394,975	86,167,270	87,976,782	89,824,295
118,055,238	104,033,428	187,161,315	208,538,340	243,030,939	271,143,842	281,234,302	291,704,340	302,491,014	343,532,495
802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895
108,391,979	110,668,211	112,992,243	115,365,081	117,787,747	120,261,290	122,786,777	125,365,299	127,997,971	130,685,928
94,514,965	94,633,722	94,754,973	94,878,770	95,005,167	95,134,219	94,115,980	94,250,509	94,387,862	94,471,400
24,379,370	20,572,943	16,871,863	13,397,809	10,105,067	6,865,313	3,651,563	459,432	(2,732,335)	(4,602,039)
58,111,571	50,591,936	43,275,483	36,397,176	29,868,735	23,442,348	17,065,902	10,730,924	4,396,363	614,522
-	-	-	-	-	-	-	-	-	-
1,202,959,046	1,179,946,776	1,254,441,781	1,267,901,171	1,295,058,442	1,316,043,263	1,317,984,884	1,321,573,590	1,325,535,275	1,363,626,576

NIPSCO Retirement 6

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
5,721	*Total Portfolio Cost*	338,623,324	310,567,713	268,970,237	245,797,534	266,093,473	280,075,287	294,528,377	322,840,708	347,733,954	382,693,040
-61	*Total Owned Cost*	279,553,156	215,544,703	171,837,953	127,760,000	119,382,148	43,693,242	(19,604,365)	(85,782,797)	(121,393,469)	(154,993,734)
61	*Net Market Purchases*	(44,685,152)	(19,005,051)	(43,708,453)	(84,178,969)	(61,966,902)	(28,653,016)	9,726,328	48,305,688	49,369,551	45,434,922
1,104	*Contract Cost*	103,755,320	114,028,060	140,840,737	159,193,451	160,941,108	165,503,888	132,564,111	94,732,236	34,694,529	3,299,896
4,617	*Gross REC Purchase Cost*	-	-	-	43,023,051	47,737,119	99,531,172	171,842,302	265,585,582	385,063,343	488,951,956
1,226	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	106,145,534	90,376,623	78,051,186	81,993,980	81,462,583	84,401,296
2,343	*Book Depreciation*	180,431,378	196,337,130	244,407,166	244,909,714	248,332,682	258,481,782	259,882,734	260,068,399	260,543,858	262,147,717
663	*Taxes*	41,579,442	48,438,240	78,147,238	98,454,210	95,042,603	89,278,008	81,506,127	75,295,478	68,793,760	63,063,976
1,726	*Capital Charge*	139,839,538	150,758,626	208,257,735	245,710,740	230,663,116	226,163,948	218,235,594	198,638,351	178,458,007	159,747,938
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
11,773	*Total Revenue Requirement*	822,459,230	839,774,031	927,815,912	956,244,980	968,688,599	966,983,975	954,842,062	961,289,077	954,887,092	955,321,678

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
414,217,795	451,663,799	492,767,234	544,485,312	551,680,886	572,493,751	601,010,427	657,283,376	732,817,089	767,372,258
(154,587,516)	(171,984,656)	(183,981,500)	(187,637,891)	(163,313,016)	(174,633,625)	(117,070,172)	(105,117,563)	(88,346,734)	(75,738,469)
35,901,934	41,989,891	52,924,848	56,568,961	20,626,789	50,699,289	6,607,352	16,888,445	39,300,531	37,151,758
(10,312,884)	(27,277,812)	(33,926,021)	(43,502,881)	(47,565,065)	(56,381,915)	(38,964,342)	(30,398,795)	(12,657,268)	3,625,074
543,216,262	608,936,376	657,749,908	719,057,123	741,932,178	752,810,002	750,437,589	775,911,288	794,520,560	802,333,895
86,788,976	82,327,375	80,734,361	85,386,654	84,459,668	88,535,326	98,187,982	101,515,049	102,403,721	106,162,566
262,305,191	262,576,850	262,718,795	88,493,428	88,616,675	88,754,791	95,691,539	96,437,295	96,559,135	95,505,398
57,139,790	50,481,991	43,828,856	40,038,002	37,859,059	34,378,309	34,767,323	35,155,245	31,370,994	27,347,456
140,736,575	120,439,497	100,197,907	89,107,522	84,753,770	77,885,495	78,489,429	79,090,626	71,634,381	63,715,425
-	-	-	-	-	-	-	-	-	-
961,188,327	967,489,512	980,247,154	847,510,918	847,370,058	862,047,672	908,146,701	969,481,591	1,034,785,320	1,060,103,103

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
877,150,990	862,301,842	944,585,018	965,099,592	998,711,629	1,067,446,841	1,077,462,778	1,087,883,976	1,098,601,450	1,139,573,992
(77,328,977)	(78,952,885)	(80,610,896)	(82,303,724)	(84,032,103)	(85,796,777)	(87,598,509)	(89,438,078)	(91,316,278)	(93,233,919)
37,931,945	38,728,516	39,541,814	40,372,192	41,220,009	42,085,629	42,969,427	43,871,785	44,793,092	45,733,747
114,214,127	100,192,317	183,320,205	204,697,230	239,189,829	308,824,095	319,757,966	331,116,374	342,790,740	384,740,269
802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895
108,391,979	110,668,211	112,992,243	115,365,081	117,787,747	120,261,290	122,786,777	125,365,299	127,997,971	130,685,928
94,085,989	94,204,746	94,325,998	94,449,795	94,576,192	94,705,243	93,687,005	93,821,533	93,958,887	94,042,425
23,505,442	19,824,550	16,247,891	12,818,873	9,531,183	6,295,624	3,085,394	(103,486)	(3,292,165)	(4,856,741)
56,146,571	48,888,609	41,831,678	35,059,593	28,560,162	22,161,130	15,810,737	9,501,289	3,191,945	18,586
-	-	-	-	-	-	-	-	-	-
1,159,280,971	1,135,887,959	1,209,982,828	1,222,792,933	1,249,166,913	1,310,870,128	1,312,832,691	1,316,468,611	1,320,458,088	1,359,464,190

NIPSCO Retirement 7

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
5,256	*Total Portfolio Cost*	338,623,324	310,567,713	269,101,769	244,594,913	263,427,674	261,402,888	263,555,835	305,524,093	333,527,952	360,134,458
-741	*Total Owned Cost*	279,553,156	215,544,703	171,837,953	127,760,000	119,382,148	86,014,266	50,154,379	(66,001,406)	(136,982,891)	(171,022,797)
372	*Net Market Purchases*	(44,685,152)	(19,005,051)	(43,708,453)	(82,501,168)	(61,083,586)	(93,463,621)	(91,316,000)	7,752,148	49,458,426	40,595,785
1,008	*Contract Cost*	103,755,320	114,028,060	140,972,269	156,313,029	157,391,993	169,321,071	132,875,154	98,187,769	35,989,073	1,609,513
4,617	*Gross REC Purchase Cost*	-	-	-	43,023,051	47,737,119	99,531,172	171,842,302	265,585,582	385,063,343	488,951,956
1,347	*FOM*	121,767,387	132,602,897	117,921,573	100,303,757	107,767,708	102,095,101	112,239,108	95,519,211	82,847,462	85,815,257
2,368	*Book Depreciation*	180,431,378	196,337,130	244,407,166	244,905,048	248,434,682	249,946,577	252,677,125	255,603,463	256,035,973	257,588,648
676	*Taxes*	41,579,442	48,438,240	78,147,238	98,451,485	95,099,564	91,830,593	87,026,712	76,172,957	64,545,567	58,928,149
1,757	*Capital Charge*	139,839,538	150,758,626	208,257,735	245,705,478	230,773,112	216,680,754	201,394,770	187,502,776	170,762,814	152,250,477
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
11,498	*Total Revenue Requirement*	822,241,070	839,176,230	927,333,119	956,608,058	967,913,931	944,564,240	939,531,594	942,774,663	925,614,698	917,984,699

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
387,771,149	377,623,815	384,115,457	430,841,115	443,218,829	453,651,985	500,022,571	562,933,333	643,543,524	683,323,969
(173,498,250)	(247,588,531)	(286,266,250)	(299,123,781)	(296,240,219)	(287,897,344)	(275,969,781)	(272,222,469)	(267,817,375)	(259,907,188)
32,083,234	65,721,773	82,389,586	95,088,391	86,993,859	86,930,945	102,316,750	126,464,648	163,784,578	166,407,602
(14,030,097)	(49,445,803)	(69,757,787)	(84,180,617)	(89,466,989)	(98,191,618)	(76,761,987)	(67,220,135)	(46,944,240)	(25,510,340)
543,216,262	608,936,376	657,749,908	719,057,123	741,932,178	752,810,002	750,437,589	775,911,288	794,520,560	802,333,895
88,232,631	109,405,017	96,115,850	99,180,771	100,267,567	107,219,844	114,497,108	116,242,430	119,150,212	121,628,930
257,701,350	274,250,518	274,322,458	97,866,907	97,916,167	101,317,562	104,771,092	104,787,700	104,833,337	103,682,285
53,136,133	52,883,109	52,184,292	46,239,430	41,963,347	39,820,607	39,522,523	36,984,410	32,537,220	28,433,966
133,475,092	131,352,495	127,640,678	111,447,719	102,727,008	98,125,069	97,084,422	91,717,199	82,662,499	74,271,075
-	-	-	-	-	-	-	-	-	-
920,316,354	945,514,955	934,378,735	785,575,941	786,092,918	800,135,066	855,897,717	912,665,071	982,726,792	1,011,340,225

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
817,187,823	801,184,223	899,370,975	915,452,351	944,669,578	1,012,659,933	1,021,907,388	1,031,557,185	1,041,477,678	1,091,788,907
(265,365,238)	(270,937,908)	(276,627,605)	(282,436,784)	(288,367,957)	(294,423,684)	(300,606,581)	(306,919,319)	(313,364,625)	(319,945,282)
169,902,161	173,470,107	177,112,979	180,832,351	184,629,831	188,507,057	192,465,705	196,507,485	200,634,142	204,847,459
110,317,006	96,318,130	196,551,706	214,722,889	246,073,809	316,242,665	327,714,369	339,635,124	351,874,266	404,552,835
802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895
124,183,138	126,790,984	129,453,594	132,172,120	134,947,734	137,781,637	140,675,051	143,629,227	146,645,441	149,724,995
102,163,519	102,180,832	102,198,508	102,216,555	102,234,982	102,253,795	102,273,004	102,292,616	102,312,640	102,276,384
24,542,217	20,712,460	16,977,586	13,435,407	10,025,487	6,647,453	3,280,154	(80,863)	(3,439,655)	(6,294,704)
66,287,465	58,423,214	50,741,828	43,432,188	36,377,575	29,384,155	22,411,072	15,449,722	8,492,260	2,507,153
-	-	-	-	-	-	-	-	-	-
1,134,364,162	1,109,291,712	1,198,742,491	1,206,708,621	1,228,255,355	1,288,726,973	1,290,546,669	1,292,847,886	1,295,488,364	1,340,002,734

NIPSCO Retirement 7H

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
5,376	*Total Portfolio Cost*	338,623,324	310,567,713	268,970,237	244,224,596	279,478,842	285,687,890	284,440,781	326,639,725	353,306,621	379,258,637
-250	*Total Owned Cost*	279,553,156	215,544,703	171,837,953	127,760,000	119,382,148	88,312,984	61,854,082	(56,982,211)	(126,047,953)	(160,598,250)
-425	*Net Market Purchases*	(44,685,152)	(19,005,051)	(43,708,453)	(82,507,516)	(69,190,340)	(102,413,191)	(110,914,188)	(6,976,313)	30,814,719	22,230,367
1,433	*Contract Cost*	103,755,320	114,028,060	140,840,737	155,949,061	181,549,915	200,256,925	161,658,584	125,012,666	63,476,513	28,674,564
4,617	*Gross REC Purchase Cost*	-	-	-	43,023,051	47,737,119	99,531,172	171,842,302	265,585,582	385,063,343	488,951,956
1,351	*FOM*	121,767,387	132,602,897	117,921,573	100,303,757	107,767,708	102,095,101	112,949,171	96,244,185	83,587,660	86,570,999
2,328	*Book Depreciation*	180,431,378	196,337,130	244,407,166	244,909,714	248,439,348	249,951,243	253,844,036	256,776,633	257,215,532	258,782,065
670	*Taxes*	41,579,442	48,438,240	78,147,238	98,454,210	95,104,893	91,835,684	87,479,085	77,047,427	65,370,510	59,709,879
1,707	*Capital Charge*	139,839,538	150,758,626	208,257,735	245,710,740	230,783,403	216,690,583	202,268,340	189,191,451	172,355,847	153,760,065
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
11,527	*Total Revenue Requirement*	822,241,070	839,176,230	927,201,588	956,250,396	983,985,386	968,868,828	963,619,457	968,351,582	949,731,102	941,349,356

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
405,183,463	384,857,570	363,343,939	378,530,382	344,651,489	432,865,803	474,697,174	573,879,976	683,725,686	759,875,253
(162,106,969)	(202,081,000)	(249,582,453)	(299,542,313)	(317,948,844)	(272,085,719)	(210,566,469)	(175,962,984)	(130,334,063)	(98,280,031)
9,491,188	(18,316,000)	(41,593,816)	(27,682,125)	(61,292,336)	(24,072,195)	(64,928,227)	(42,258,820)	(19,879,758)	(5,292,547)
14,582,983	(3,681,806)	(3,229,699)	(13,302,303)	(18,039,509)	(23,786,285)	(245,719)	16,190,492	39,418,946	61,113,936
543,216,262	608,936,376	657,749,908	719,057,123	741,932,178	752,810,002	750,437,589	775,911,288	794,520,560	802,333,895
89,004,244	100,008,491	98,786,781	103,818,175	103,278,251	107,749,099	113,728,696	117,382,118	118,603,998	122,703,048
258,901,428	265,146,281	265,248,498	90,982,567	91,064,400	91,160,232	94,644,641	95,346,318	95,423,154	94,323,467
53,876,260	50,827,632	47,630,161	43,654,641	41,336,017	37,741,741	36,089,325	34,621,327	31,067,029	27,216,643
134,904,339	121,557,618	107,969,949	96,503,705	91,860,965	84,754,205	81,396,712	78,394,720	71,363,279	63,759,441
-	-	-	-	-	-	-	-	-	-
941,869,733	922,397,592	882,979,327	713,489,470	672,191,122	754,271,080	800,556,549	899,624,458	1,000,183,146	1,067,877,852

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
882,404,563	866,169,698	967,573,546	987,074,505	978,012,658	1,039,515,356	1,048,990,755	1,058,888,644	1,069,051,540	1,119,611,227
(100,343,912)	(102,451,134)	(104,602,608)	(106,799,263)	(109,042,047)	(111,331,930)	(113,669,901)	(116,056,969)	(118,494,165)	(120,982,542)
(5,403,690)	(5,517,168)	(5,633,028)	(5,751,322)	(5,872,100)	(5,995,414)	(6,121,318)	(6,249,865)	(6,381,112)	(6,515,116)
185,818,271	171,804,105	275,475,288	297,291,195	290,592,911	354,508,805	366,448,078	378,861,583	391,592,922	444,774,991
802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895
125,279,812	127,910,688	130,596,813	133,339,346	136,139,472	138,998,401	141,917,368	144,897,632	147,940,483	151,047,233
92,857,144	92,928,001	93,000,346	93,074,211	93,149,627	93,226,626	92,155,243	92,235,510	92,317,463	92,344,437
23,466,826	19,783,589	16,179,270	12,725,241	9,380,345	6,066,564	2,779,804	(484,420)	(3,540,411)	(4,920,265)
56,349,373	49,067,628	41,938,029	35,098,392	28,469,237	21,899,898	15,382,463	8,908,268	2,835,900	-
-	-	-	-	-	-	-	-	-	-
1,180,357,718	1,155,859,605	1,249,288,005	1,261,311,695	1,245,151,340	1,299,706,846	1,301,225,631	1,304,445,635	1,308,604,975	1,358,082,632

AGGRESSIVE ENVIRONMENTAL REGULATION, no hydrogen subsidy
NIPSCO Retirement 7H

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
5,170	*Total Portfolio Cost*	338,395,027	322,317,600	316,083,125	272,072,524	301,577,195	324,350,912	332,249,906	362,351,527	361,051,736	362,587,352
2,454	*Total Owned Cost*	282,344,250	242,645,922	190,346,031	187,242,844	168,626,734	191,983,156	212,961,484	139,753,578	113,118,930	116,756,883
-1,080	*Net Market Purchases*	(47,901,332)	(34,559,102)	(45,138,973)	(103,710,410)	(79,615,711)	(143,523,551)	(159,602,809)	(60,305,469)	(14,672,875)	(40,183,211)
3,797	*Contract Cost*	103,952,109	114,230,779	170,876,067	188,540,091	212,566,171	275,891,306	278,891,231	282,903,418	262,605,681	286,013,680
1,351	*FOM*	121,767,387	132,602,897	117,921,573	100,303,757	107,767,708	102,095,101	112,949,171	96,244,185	83,587,660	86,570,999
2,328	*Book Depreciation*	180,431,378	196,337,130	244,407,166	244,909,714	248,439,348	249,951,243	253,844,036	256,776,633	257,215,532	258,782,065
670	*Taxes*	41,579,442	48,438,240	78,147,238	98,454,210	95,104,893	91,835,684	87,479,085	77,047,427	65,370,510	59,709,879
1,707	*Capital Charge*	139,839,538	150,758,626	208,257,735	245,710,740	230,783,403	216,690,583	202,268,340	189,191,451	172,355,847	153,760,065
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
11,321	*Total Revenue Requirement*	822,012,773	850,926,117	974,314,476	984,098,325	1,006,083,738	1,007,531,850	1,011,428,583	1,004,063,385	957,476,216	924,678,071

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
370,857,879	381,243,211	407,210,117	425,624,774	417,862,413	433,922,821	439,281,583	461,118,156	502,719,849	500,330,250
149,104,031	181,722,781	208,605,203	220,488,859	223,217,781	180,548,688	225,218,703	217,338,516	221,557,922	219,705,766
(80,782,391)	(109,691,391)	(127,738,344)	(126,792,141)	(174,612,078)	(123,901,547)	(160,321,766)	(127,636,750)	(75,628,063)	(88,822,094)
302,536,238	309,211,821	326,343,258	331,928,055	369,256,710	377,275,680	374,384,646	371,416,390	356,789,990	369,446,578
89,004,244	100,008,491	98,786,781	103,818,175	103,278,251	107,749,099	113,728,696	117,382,118	118,603,998	122,703,048
258,901,428	265,146,281	265,248,498	90,982,567	91,064,400	91,160,232	94,644,641	95,346,318	95,423,154	94,323,467
53,876,260	50,827,632	47,630,161	43,654,641	41,336,017	37,741,741	36,089,325	34,621,327	31,067,029	27,216,643
134,904,339	121,557,618	107,969,949	96,503,705	91,860,965	84,754,205	81,396,712	78,394,720	71,363,279	63,759,441
-	-	-	-	-	-	-	-	-	-
907,544,149	918,783,234	926,845,506	760,583,861	745,402,046	755,328,098	765,140,958	786,862,639	819,177,309	808,332,849

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
631,741,487	636,354,571	770,876,339	813,750,584	844,659,452	933,999,471	961,514,013	989,960,992	1,019,302,137	1,097,684,430
224,319,587	229,030,298	233,839,934	238,750,573	243,764,335	248,883,386	254,109,937	259,446,246	264,894,617	270,457,404
(90,687,358)	(92,591,792)	(94,536,220)	(96,521,480)	(98,548,432)	(100,617,949)	(102,730,926)	(104,888,275)	(107,090,929)	(109,339,838)
498,109,258	499,916,066	631,572,624	671,521,492	699,443,548	785,734,034	810,135,001	835,403,021	861,498,449	936,566,865
125,279,812	127,910,688	130,596,813	133,339,346	136,139,472	138,998,401	141,917,368	144,897,632	147,940,483	151,047,233
92,857,144	92,928,001	93,000,346	93,074,211	93,149,627	93,226,626	92,155,243	92,235,510	92,317,463	92,344,437
23,466,826	19,783,589	16,179,270	12,725,241	9,380,345	6,066,564	2,779,804	(484,420)	(3,540,411)	(4,920,265)
56,349,373	49,067,628	41,938,029	35,098,392	28,469,237	21,899,898	15,382,463	8,908,268	2,835,900	-
-	-	-	-	-	-	-	-	-	-
929,694,642	926,044,478	1,052,590,797	1,087,987,775	1,111,798,134	1,194,190,961	1,213,748,890	1,235,517,983	1,258,855,572	1,336,155,835

ECONOMY-WIDE DECARBONIZATION, no hydrogen subsidy
NIPSCO Retirement 7H

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
5,763	*Total Portfolio Cost*	338,623,324	310,567,713	268,970,100	244,219,223	280,139,541	288,642,489	287,402,800	327,733,598	354,816,458	380,190,073
-25	*Total Owned Cost*	279,553,156	215,544,703	171,836,453	127,465,977	119,425,008	90,163,656	63,259,941	(55,840,801)	(124,495,172)	(159,439,859)
-301	*Net Market Purchases*	(44,685,152)	(19,005,051)	(43,707,094)	(82,218,863)	(68,683,031)	(101,723,406)	(109,619,863)	(7,055,813)	30,750,320	22,003,617
1,471	*Contract Cost*	103,755,320	114,028,060	140,840,740	155,949,059	181,660,445	200,671,067	161,920,420	125,044,630	63,497,967	28,674,359
4,617	*Gross REC Purchase Cost*	-	-	-	43,023,051	47,737,119	99,531,172	171,842,302	265,585,582	385,063,343	488,951,956
1,351	*FOM*	121,767,387	132,602,897	117,921,573	100,303,757	107,767,708	102,095,101	112,949,171	96,244,185	83,587,660	86,570,999
2,328	*Book Depreciation*	180,431,378	196,337,130	244,407,166	244,909,714	248,439,348	249,951,243	253,844,036	256,776,633	257,215,532	258,782,065
670	*Taxes*	41,579,442	48,438,240	78,147,238	98,454,210	95,104,893	91,835,684	87,479,085	77,047,427	65,370,510	59,709,879
1,707	*Capital Charge*	139,839,538	150,758,626	208,257,735	245,710,740	230,783,403	216,690,583	202,268,340	189,191,451	172,355,847	153,760,065
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
11,914	*Total Revenue Requirement*	822,241,070	839,176,230	927,201,450	956,245,024	984,646,085	971,823,427	966,581,477	969,445,456	951,240,938	942,280,792

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
407,521,076	440,872,251	495,805,036	523,281,204	506,536,166	565,078,514	609,640,716	675,737,404	756,222,160	795,414,017
(159,679,500)	(179,503,109)	(185,198,047)	(183,797,969)	(174,771,609)	(178,952,516)	(129,598,203)	(120,403,227)	(105,108,047)	(92,168,297)
9,399,180	15,138,445	20,694,047	(5,047,086)	(51,249,117)	6,626,945	(22,111,219)	(9,893,484)	12,370,953	8,756,188
14,585,135	(3,699,461)	2,559,128	(6,930,864)	(9,375,285)	(15,405,917)	10,912,549	30,122,827	54,438,694	76,492,232
543,216,262	608,936,376	657,749,908	719,057,123	741,932,178	752,810,002	750,437,589	775,911,288	794,520,560	802,333,895
89,004,244	100,008,491	98,786,781	103,818,175	103,278,251	107,749,099	113,728,696	117,382,118	118,603,998	122,703,048
258,901,428	265,146,281	265,248,498	90,982,567	91,064,400	91,160,232	94,644,641	95,346,318	95,423,154	94,323,467
53,876,260	50,827,632	47,630,161	43,654,641	41,336,017	37,741,741	36,089,325	34,621,327	31,067,029	27,216,643
134,904,339	121,557,618	107,969,949	96,503,705	91,860,965	84,754,205	81,396,712	78,394,720	71,363,279	63,759,441
-	-	-	-	-	-	-	-	-	-
944,207,346	978,412,273	1,015,440,424	858,240,292	834,075,799	886,483,791	935,500,091	1,001,481,887	1,072,679,620	1,103,416,616

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
918,437,249	902,634,570	1,004,479,680	1,024,431,167	1,000,380,425	1,062,352,846	1,072,307,831	1,082,695,380	1,093,358,216	1,144,428,344
(94,103,831)	(96,080,012)	(98,097,692)	(100,157,743)	(102,261,056)	(104,408,538)	(106,601,117)	(108,839,741)	(111,125,375)	(113,459,008)
8,940,067	9,127,809	9,319,493	9,515,202	9,715,021	9,919,037	10,127,337	10,340,011	10,557,151	10,778,851
201,267,118	187,252,878	290,923,984	312,739,813	290,592,565	354,508,452	366,447,717	378,861,215	391,592,546	444,774,606
802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895
125,279,812	127,910,688	130,596,813	133,339,346	136,139,472	138,998,401	141,917,368	144,897,632	147,940,483	151,047,233
92,857,144	92,928,001	93,000,346	93,074,211	93,149,627	93,226,626	92,155,243	92,235,510	92,317,463	92,344,437
23,466,826	19,783,589	16,179,270	12,725,241	9,380,345	6,066,564	2,779,804	(484,420)	(3,540,411)	(4,920,265)
56,349,373	49,067,628	41,938,029	35,098,392	28,469,237	21,899,898	15,382,463	8,908,268	2,835,900	-
-	-	-	-	-	-	-	-	-	-
1,216,390,404	1,192,324,476	1,286,194,138	1,298,668,357	1,267,519,107	1,322,544,336	1,324,542,707	1,328,252,371	1,332,911,651	1,382,899,749

Revenue Requirement Summary by Component (nominal $) - Replacement Portfolios by Scenario

Component	Description
Total Portfolio Cost	The total variable costs associated with operating the portfolio, including fuel, emissions, VOM, contract (PPA) costs, and net market purchases from the MISO energy market: the sum of Total Owned Cost, Net Market Purchases, and Contract Cost
Total Owned Cost	The sum of all variable costs associated with owned generating assets, including fuel, emissions, and VOM
Net Market Purchases	Energy market purchases from MISO less energy market sales to MISO
Contract Cost	The sum of all contract or PPA costs plus costs associated with new DSM programs
Gross REC Purchase Cost	Relevant only in the EWD scenario, this row represents the portfolio's gross REC purchase cost, which is determined by portfolio load. This cost is partially or fully offset by REC revenue gained from portfolio resources and PPAs, which are incorporated in the 'Total Owned Cost' and 'Contract Cost' line items, respectively.
FOM	The sum of fixed operations and maintenance costs associated with existing and new assets
Book Depreciation	The depreciation expense associated with existing and new owned assets
Taxes	The income and property taxes associated with existing and new assets
Capital Charge	The return on rate base associated with existing and new assets
Other Fixed Charges	Cash Payouts to Tax Equity partner
Total Revenue Requirement	The sum of Total Portfolio Cost, FOM, Book Depreciation, Taxes, Capital Charge, and Other Fixed Charges

REFERENCE CASE
NIPSCO Replacement 3A

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
3,859	*Total Portfolio Cost*	338,830,902	316,128,703	306,878,305	248,330,582	253,204,371	304,856,811	312,448,758	326,586,177	304,994,525	298,047,687
2,225	*Total Owned Cost*	281,995,438	236,327,375	202,002,906	172,293,672	167,473,063	152,308,406	132,655,703	114,722,664	140,437,641	138,567,016
-1,337	*Net Market Purchases*	(47,116,645)	(34,429,445)	(65,934,352)	(116,212,121)	(104,804,992)	(105,095,641)	(82,026,289)	(53,345,586)	(78,600,016)	(97,168,320)
2,971	*Contract Cost*	103,952,109	114,230,774	170,809,750	192,249,031	190,536,301	257,644,045	261,819,344	265,209,099	243,156,900	256,648,992
1,243	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	99,539,874	79,908,366	73,551,376	77,402,897	76,398,377	82,720,300
2,487	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,174,714	245,558,124	249,758,353	254,721,825	255,095,016	255,533,915	267,648,838
796	*Taxes*	41,579,442	48,477,171	78,339,187	98,753,410	93,598,430	82,781,047	74,008,033	70,297,467	64,044,668	64,630,107
1,982	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,288,520	227,874,297	213,617,773	203,756,147	188,986,775	169,287,114	162,772,269
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
10,461	*Total Revenue Requirement*	822,666,809	845,515,799	966,551,599	959,920,008	942,186,288	953,530,677	941,124,183	940,820,494	888,153,530	879,086,913

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
299,310,426	295,229,680	296,031,565	297,087,216	285,583,836	274,242,765	267,661,082	280,219,617	285,805,811	274,571,052
142,374,047	146,671,547	149,009,688	153,627,203	157,420,422	141,265,625	172,095,109	183,280,797	199,793,359	209,519,969
(108,211,219)	(116,445,813)	(117,541,734)	(118,867,352)	(149,933,836)	(140,127,172)	(172,441,180)	(168,943,141)	(154,557,539)	(175,660,492)
265,147,597	265,003,945	264,563,612	262,327,364	278,097,250	273,104,312	268,007,152	265,881,961	240,569,991	240,711,575
85,072,680	82,379,568	80,787,650	85,441,062	89,262,679	93,439,200	103,194,838	106,627,049	111,736,268	119,890,403
267,768,201	273,909,273	274,011,489	99,745,559	113,806,971	113,902,802	121,999,613	122,701,290	135,612,566	145,774,701
64,842,972	61,389,540	57,782,168	53,470,448	58,992,247	62,955,373	63,018,473	63,018,780	65,617,266	74,322,948
155,612,064	141,502,886	127,142,920	115,046,698	125,563,725	133,070,196	133,044,762	132,897,443	137,766,798	154,429,030
-	-	-	-	-	-	-	-	-	-
872,606,343	854,410,945	835,755,793	650,790,983	673,209,459	677,610,337	688,918,768	705,464,178	736,538,709	768,988,134

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
368,774,994	350,651,018	411,830,519	438,084,509	466,735,107	492,531,662	508,380,791	524,734,533	541,692,925	568,870,994
213,919,888	218,412,206	222,998,862	227,681,838	232,463,157	237,344,883	242,329,126	247,418,037	252,613,816	257,918,706
(179,349,363)	(183,115,699)	(186,961,129)	(190,887,313)	(194,895,946)	(198,988,761)	(203,167,525)	(207,434,043)	(211,790,158)	(216,237,751)
334,204,468	315,354,512	375,792,786	401,289,983	429,167,897	454,175,540	469,219,191	484,750,538	500,869,267	527,190,039
122,408,101	124,978,671	127,603,223	130,282,891	133,018,832	135,812,227	138,664,284	141,576,234	144,549,335	147,584,871
144,308,377	144,379,235	144,451,580	144,525,445	144,600,860	144,677,860	143,606,476	143,686,744	143,768,697	143,795,671
75,209,622	69,400,818	63,673,038	58,105,464	52,698,017	47,351,670	42,031,338	36,732,928	31,435,299	26,141,343
155,991,668	144,624,532	133,413,603	122,511,789	111,918,930	101,443,790	91,018,612	80,635,486	70,253,583	59,878,479
-	-	-	-	-	-	-	-	-	-
866,692,762	834,034,274	880,971,964	893,510,097	908,971,746	921,817,209	923,701,501	927,365,924	931,699,839	946,271,357

NIPSCO Replacement 3B

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
4,075	*Total Portfolio Cost*	338,830,902	316,128,703	306,878,305	248,330,582	253,253,194	319,731,357	330,013,182	345,354,645	322,667,405	319,678,411
2,217	*Total Owned Cost*	281,995,438	236,327,375	202,002,906	172,293,672	167,473,063	152,308,406	132,655,703	114,722,664	140,437,641	138,291,359
-1,020	*Net Market Purchases*	(47,116,645)	(34,429,445)	(65,934,352)	(116,212,121)	(104,780,867)	(82,329,766)	(55,524,250)	(25,926,242)	(54,846,148)	(66,067,180)
2,877	*Contract Cost*	103,952,109	114,230,774	170,809,750	192,249,031	190,560,999	249,752,716	252,881,729	256,558,223	237,075,913	247,454,231
1,168	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	99,539,874	79,908,366	67,366,226	71,087,859	69,950,724	75,264,856
2,406	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,174,714	245,558,124	249,758,353	251,124,234	251,497,425	251,936,324	261,414,150
731	*Taxes*	41,579,442	48,477,171	78,339,187	98,753,410	93,598,430	82,781,047	71,964,188	66,396,780	60,480,107	59,795,108
1,858	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,288,520	227,874,297	213,617,773	199,809,312	181,454,221	162,403,648	153,435,480
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
10,332	*Total Revenue Requirement*	822,666,809	845,515,799	966,551,599	959,920,008	942,235,111	968,405,224	942,915,186	938,243,092	885,333,139	872,855,715

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
323,598,569	326,786,370	333,029,717	335,656,699	322,511,110	311,364,304	307,195,363	319,635,935	325,877,354	322,725,423
141,936,500	145,722,203	147,771,141	152,420,922	156,194,016	140,017,625	170,830,234	181,994,891	198,487,531	207,649,609
(71,944,484)	(71,423,016)	(68,266,383)	(69,356,969)	(103,992,289)	(95,723,672)	(126,771,898)	(129,177,445)	(114,900,797)	(128,257,836)
253,606,553	252,487,183	253,524,959	252,592,745	270,309,383	267,070,351	263,137,027	266,818,490	242,290,619	243,333,650
77,460,672	72,803,176	71,010,154	75,458,239	79,070,216	83,032,696	92,569,796	95,778,882	100,660,289	106,482,175
261,533,512	261,766,260	261,868,477	87,602,546	101,663,958	101,759,790	109,856,601	110,558,277	123,184,674	127,715,898
58,744,374	52,148,845	45,518,480	41,732,708	47,732,135	52,148,755	52,665,350	53,119,151	56,004,593	61,711,173
143,835,161	123,658,331	103,460,712	92,380,141	103,819,506	112,201,713	113,052,015	113,780,431	119,203,921	130,074,638
-	-	-	-	-	-	-	-	-	-
865,172,288	837,162,983	814,887,540	632,830,332	654,796,926	660,507,258	675,339,124	692,872,675	724,930,830	748,709,308

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
400,454,948	382,104,145	433,291,435	458,797,676	486,688,835	511,694,363	528,113,892	545,033,316	562,571,921	587,731,229
212,010,251	216,462,466	221,008,178	225,649,350	230,387,986	235,226,134	240,165,883	245,209,366	250,358,763	255,616,297
(130,951,250)	(133,701,227)	(136,508,953)	(139,375,641)	(142,302,529)	(145,290,882)	(148,341,991)	(151,457,172)	(154,637,773)	(157,885,166)
319,395,948	299,342,905	348,792,209	372,523,966	398,603,378	421,759,111	436,290,000	451,281,122	466,850,931	490,000,099
108,718,301	111,001,385	113,332,414	115,712,395	118,142,355	120,623,345	123,156,435	125,742,720	128,383,317	131,079,367
126,249,575	126,320,432	126,392,778	126,466,642	126,542,058	126,619,057	125,547,674	125,627,941	125,709,894	125,736,868
59,884,538	54,767,735	49,731,955	44,856,381	40,140,935	35,486,588	30,858,256	26,251,847	21,646,218	17,044,263
126,397,648	116,366,823	106,492,205	96,926,701	87,670,153	78,531,324	69,442,457	60,395,642	51,350,049	42,311,256
-	-	-	-	-	-	-	-	-	-
821,705,010	790,560,520	829,240,786	842,759,795	859,184,336	872,954,676	877,118,714	883,051,466	889,661,400	903,902,983

NIPSCO Replacement 3C

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
3,519	*Total Portfolio Cost*	338,830,902	316,128,703	306,878,305	246,375,397	249,969,600	260,496,431	252,975,135	267,501,008	242,773,901	247,357,646
3,615	*Total Owned Cost*	281,995,438	236,327,375	202,002,906	172,293,672	167,473,063	236,403,813	276,321,281	261,370,594	291,953,875	289,962,969
-2,240	*Net Market Purchases*	(47,116,645)	(34,429,445)	(65,934,352)	(114,396,541)	(102,645,758)	(163,136,145)	(212,694,969)	(185,802,543)	(218,215,918)	(212,853,414)
2,144	*Contract Cost*	103,952,109	114,230,774	170,809,750	188,478,266	185,142,296	187,228,763	189,348,823	191,932,957	169,035,944	170,248,091
1,218	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	99,539,874	88,192,055	75,823,873	79,723,117	78,767,321	81,649,433
2,563	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,174,714	245,558,124	276,119,061	277,560,929	278,011,702	278,529,814	280,177,222
844	*Taxes*	41,579,442	48,477,171	78,339,187	98,753,410	93,598,430	98,174,851	102,110,718	95,281,600	88,142,483	81,646,390
2,075	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,288,520	227,874,297	243,344,497	258,024,783	237,233,224	215,822,009	195,632,134
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
10,312	*Total Revenue Requirement*	822,666,809	845,515,799	966,551,599	957,964,822	938,951,518	988,935,222	989,133,482	980,202,813	921,930,459	889,730,536

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
256,540,881	260,342,073	265,880,909	257,283,476	251,299,649	249,189,476	248,461,449	257,549,306	262,466,592	257,912,783
294,044,688	301,033,406	307,410,938	321,817,188	328,021,563	316,660,750	354,082,125	382,971,844	409,570,313	423,643,531
(208,559,172)	(211,849,625)	(212,548,395)	(236,078,332)	(249,196,828)	(226,997,672)	(263,616,250)	(280,831,434)	(275,983,020)	(294,864,000)
171,055,366	171,158,292	171,018,366	171,544,620	172,474,915	159,526,398	157,995,574	155,408,896	128,879,299	129,133,251
83,979,325	79,458,721	77,805,466	86,149,265	85,238,294	93,392,062	94,993,613	98,253,598	103,186,975	109,061,921
280,379,159	280,696,215	280,884,510	117,761,927	117,933,491	122,103,041	122,271,824	123,069,005	135,792,912	140,423,694
74,977,506	67,579,073	60,174,270	62,092,177	65,400,731	62,983,001	60,353,487	55,648,958	58,335,751	63,748,267
175,182,697	153,455,392	131,762,269	131,695,977	137,939,044	133,123,547	127,898,451	118,665,700	123,705,584	134,008,437
-	-	-	-	-	-	-	-	-	-
871,059,568	841,531,474	816,507,423	654,982,822	657,811,209	660,791,127	653,978,823	653,186,567	683,487,813	705,155,101

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
336,678,306	319,386,425	365,137,720	391,406,741	420,077,591	445,890,637	461,789,090	478,155,276	495,132,393	511,875,105
432,540,045	441,623,386	450,897,477	460,366,325	470,034,017	479,904,732	489,982,731	500,272,368	510,778,088	521,504,428
(301,056,144)	(307,378,323)	(313,833,268)	(320,423,766)	(327,152,666)	(334,022,872)	(341,037,352)	(348,199,136)	(355,511,318)	(362,977,056)
205,194,405	185,141,362	228,073,510	251,464,183	277,196,240	300,008,777	312,843,710	326,082,043	339,865,623	353,347,733
111,352,222	113,690,618	116,078,121	118,515,762	121,004,593	123,545,689	126,140,149	128,789,092	131,493,663	134,255,030
139,059,018	139,233,659	139,411,966	139,594,019	139,779,894	139,969,673	139,013,437	139,211,270	139,413,257	139,562,787
61,543,726	56,003,961	50,569,903	45,293,657	40,094,397	34,988,724	30,083,991	25,288,157	20,491,849	15,697,932
129,601,681	118,754,079	108,110,354	97,771,119	87,580,285	77,569,907	67,947,286	58,534,676	49,120,865	39,711,378
-	-	-	-	-	-	-	-	-	-
778,234,953	747,068,742	779,308,065	792,581,298	808,536,760	821,964,631	824,973,952	829,978,470	835,652,027	841,102,231

NIPSCO Replacement 3D

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
3,845	*Total Portfolio Cost*	338,830,902	316,128,703	306,878,305	246,375,397	250,013,152	300,062,498	305,177,351	319,737,560	298,465,744	291,909,179
2,223	*Total Owned Cost*	281,995,438	236,327,375	202,002,906	172,293,672	167,473,063	152,308,406	132,655,703	114,722,664	140,437,641	138,567,016
-1,408	*Net Market Purchases*	(47,116,645)	(34,429,445)	(65,934,352)	(114,396,541)	(102,669,883)	(116,525,953)	(94,051,320)	(65,530,156)	(90,769,313)	(109,615,750)
3,030	*Contract Cost*	103,952,109	114,230,774	170,809,750	188,478,266	185,209,973	264,280,045	266,572,969	270,545,052	248,797,416	262,957,914
1,250	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	99,539,874	79,908,366	73,551,376	77,402,897	76,398,377	82,720,300
2,484	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,174,714	245,558,124	249,758,353	254,721,825	255,095,016	255,533,915	267,648,838
791	*Taxes*	41,579,442	48,477,171	78,339,187	98,753,410	93,598,430	82,781,047	74,008,033	70,297,467	64,044,668	64,630,107
1,973	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,288,520	227,874,297	213,617,773	203,756,147	188,986,775	169,287,114	162,772,269
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
10,438	*Total Revenue Requirement*	822,666,809	845,515,799	966,551,599	957,964,822	938,995,070	948,736,365	933,852,776	933,971,877	881,624,749	872,948,405

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
293,488,222	294,970,094	290,526,534	282,958,856	275,581,727	269,168,140	268,763,191	283,496,281	289,202,217	278,095,552
142,374,047	146,149,250	148,942,891	154,029,297	157,328,250	140,849,625	171,673,484	182,852,156	199,358,094	209,077,063
(120,850,578)	(123,435,148)	(139,307,984)	(155,779,008)	(167,394,836)	(144,596,891)	(174,490,977)	(168,943,148)	(154,557,539)	(175,660,492)
271,964,754	272,255,992	280,891,627	284,708,567	285,648,313	272,915,406	271,580,684	269,587,274	244,401,663	244,678,981
85,072,680	80,575,036	81,705,955	94,676,758	96,793,341	101,128,006	102,892,012	106,317,863	111,420,590	119,568,095
267,768,201	268,000,949	276,299,017	109,879,528	118,743,785	118,839,617	118,914,861	119,616,537	132,527,813	142,689,948
64,842,972	57,935,567	55,784,574	60,794,772	67,235,940	67,440,278	62,472,033	57,958,978	60,975,908	69,955,252
155,612,064	134,832,974	123,285,398	129,190,580	141,482,985	141,730,921	131,989,542	123,126,541	128,803,947	145,994,645
-	-	-	-	-	-	-	-	-	-
866,784,140	836,314,619	827,601,477	677,500,494	699,837,777	698,306,962	685,031,639	690,516,201	722,930,474	756,303,492

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
372,290,194	354,156,722	425,102,262	451,857,979	481,019,503	507,338,855	523,712,900	540,612,921	558,127,423	585,869,753
213,467,681	217,950,502	222,527,463	227,200,539	231,971,751	236,843,157	241,816,864	246,895,018	252,079,813	257,373,489
(179,349,363)	(183,115,699)	(186,961,129)	(190,887,313)	(194,895,946)	(198,988,761)	(203,167,525)	(207,434,043)	(211,790,158)	(216,237,751)
338,171,875	319,321,919	389,535,928	415,544,752	443,943,699	469,484,459	485,063,561	501,151,946	517,837,768	544,734,015
122,079,025	124,642,685	127,260,181	129,932,645	132,661,231	135,447,116	138,291,506	141,195,627	144,160,736	147,188,111
141,223,625	141,294,482	141,366,827	141,440,692	141,516,108	141,593,107	140,521,724	140,601,991	140,683,944	140,710,918
71,064,947	65,541,482	60,151,675	54,868,263	49,637,239	44,413,503	39,215,782	34,039,984	28,864,967	23,693,622
147,987,955	137,171,830	126,613,556	116,260,484	106,008,311	95,769,943	85,581,539	75,435,186	65,290,056	55,151,725
-	-	-	-	-	-	-	-	-	-
854,645,745	822,807,200	880,494,501	894,360,063	910,842,390	924,562,525	927,323,450	931,885,709	937,127,125	952,614,129

NIPSCO Replacement 3E

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
3,821	*Total Portfolio Cost*	338,830,902	316,128,703	306,878,305	248,330,582	252,014,198	291,068,157	299,536,654	313,666,245	292,709,730	288,967,379
2,217	*Total Owned Cost*	281,995,438	236,327,375	202,002,906	172,293,672	167,473,063	152,308,406	132,655,703	114,722,664	140,437,641	138,291,359
-1,008	*Net Market Purchases*	(47,116,645)	(34,429,445)	(65,934,352)	(116,212,121)	(105,927,488)	(79,784,250)	(57,391,320)	(28,509,281)	(52,894,148)	(65,218,109)
2,612	*Contract Cost*	103,952,109	114,230,774	170,809,750	192,249,031	190,468,624	218,544,001	224,272,271	227,452,862	205,166,237	215,894,129
1,318	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	106,155,663	86,663,087	80,432,726	84,428,756	83,571,779	89,171,954
2,488	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,174,714	249,642,024	253,842,252	258,796,873	259,170,063	259,608,963	269,086,788
785	*Taxes*	41,579,442	48,477,171	78,339,187	98,753,410	95,918,553	87,209,014	78,049,408	74,026,421	67,519,176	66,330,306
1,962	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,288,520	232,354,649	222,168,548	211,560,380	196,187,696	175,996,680	166,055,496
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
10,467	*Total Revenue Requirement*	822,666,809	845,515,799	966,551,599	959,920,008	958,496,280	963,559,385	951,014,085	949,931,343	897,301,257	882,879,633

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
291,725,155	292,916,514	296,299,763	298,728,596	287,363,698	274,658,037	269,881,048	282,538,334	287,588,959	283,083,388
141,936,500	145,722,203	147,771,141	152,420,922	156,194,016	140,017,625	170,830,234	181,994,891	198,487,531	207,649,609
(72,788,867)	(75,435,578)	(73,952,766)	(74,102,055)	(104,559,305)	(95,329,742)	(126,923,578)	(122,820,750)	(107,637,750)	(121,595,234)
222,577,522	222,629,889	222,481,388	220,409,729	235,728,987	229,970,154	225,974,391	223,364,193	196,739,178	197,029,013
91,659,818	91,567,783	90,168,818	95,019,235	99,041,993	107,485,638	113,459,703	117,107,476	122,436,784	128,715,976
269,206,150	273,301,432	273,403,648	99,137,718	113,199,130	117,277,063	121,363,091	122,064,767	134,691,164	139,222,388
64,821,908	60,009,742	55,016,818	50,565,488	56,017,274	62,222,348	62,062,562	59,621,108	62,153,917	67,538,621
155,571,387	138,838,380	121,802,797	109,436,978	119,818,803	131,654,662	131,198,817	126,336,255	131,078,780	141,327,928
-	-	-	-	-	-	-	-	-	-
872,984,418	856,633,850	836,691,844	652,888,014	675,440,898	693,297,749	697,965,220	707,667,940	737,949,604	759,888,302

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
365,219,550	347,028,707	408,155,048	435,947,179	466,349,688	492,291,389	508,306,430	524,808,888	541,922,403	566,649,054
212,010,251	216,462,466	221,008,178	225,649,350	230,387,986	235,226,134	240,165,883	245,209,366	250,358,763	255,616,297
(124,148,734)	(126,755,858)	(129,417,731)	(132,135,503)	(134,910,349)	(137,743,466)	(140,636,079)	(143,589,436)	(146,604,815)	(149,683,516)
277,358,033	257,322,099	316,564,600	342,433,332	370,872,051	394,808,721	408,776,626	423,188,958	438,168,455	460,716,273
131,419,012	134,178,811	136,996,566	139,873,494	142,810,837	145,809,865	148,871,872	151,998,181	155,190,143	158,449,136
137,756,065	137,826,922	137,899,267	137,973,132	138,048,548	138,125,547	137,054,164	137,134,431	137,216,384	137,243,358
65,385,764	59,921,204	54,564,379	49,394,341	44,357,272	39,354,398	34,377,539	29,422,601	24,468,445	19,517,962
137,020,978	126,318,603	115,824,021	105,689,882	95,812,254	86,000,388	76,238,485	66,518,634	56,800,006	47,088,176
-	-	-	-	-	-	-	-	-	-
836,801,369	805,274,248	853,439,282	868,878,028	887,378,599	901,581,587	904,848,490	909,882,737	915,597,382	928,947,687

NIPSCO Replacement 3F

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
3,839	*Total Portfolio Cost*	338,830,902	316,128,703	306,878,305	248,330,582	253,160,819	291,092,380	298,639,073	313,701,629	292,525,600	289,256,364
2,283	*Total Owned Cost*	281,995,438	236,327,375	202,002,906	172,293,672	167,473,063	155,233,266	136,905,422	119,305,664	146,785,109	144,722,266
-890	*Net Market Purchases*	(47,116,645)	(34,429,445)	(65,934,352)	(116,212,121)	(104,780,867)	(67,578,914)	(45,575,578)	(15,879,383)	(42,094,359)	(53,994,945)
2,447	*Contract Cost*	103,952,109	114,230,774	170,809,750	192,249,031	190,468,624	203,438,029	207,309,229	210,275,348	187,834,850	198,529,044
1,262	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	99,539,874	83,969,685	77,697,997	81,636,598	80,720,985	86,261,293
2,483	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,174,714	245,558,124	255,708,270	260,706,189	261,114,540	261,589,339	271,103,817
786	*Taxes*	41,579,442	48,477,171	78,339,187	98,753,410	93,598,430	86,244,484	80,780,011	76,767,655	70,228,202	68,998,925
1,962	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,288,520	227,874,297	220,305,960	216,833,403	201,481,248	181,228,034	171,208,821
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
10,426	*Total Revenue Requirement*	822,666,809	845,515,799	966,551,599	959,920,008	942,142,736	959,929,107	957,294,717	957,153,832	904,187,090	890,096,932

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
292,651,866	295,259,792	301,048,905	303,965,613	292,245,985	281,702,289	277,378,355	291,187,732	297,492,791	294,178,876
147,964,609	151,143,719	153,334,063	158,612,688	164,167,328	148,996,766	179,481,266	193,131,406	210,758,094	220,462,875
(60,503,563)	(61,075,141)	(57,333,008)	(57,604,023)	(90,105,492)	(79,615,656)	(110,379,547)	(107,515,898)	(92,135,203)	(105,335,914)
205,190,819	205,191,214	205,047,850	202,956,949	218,184,149	212,321,179	208,276,636	205,572,224	178,869,900	179,051,915
88,688,034	84,266,313	82,714,017	87,407,883	91,270,803	95,489,494	105,288,188	108,764,359	113,918,462	120,018,770
271,260,602	271,531,558	271,672,786	97,446,685	111,548,764	111,686,116	119,825,319	120,570,278	133,240,866	137,817,210
67,462,497	60,408,964	53,322,761	49,104,430	54,718,841	58,773,784	58,927,891	59,018,376	61,539,656	66,881,212
160,670,586	139,609,312	118,531,431	106,615,552	117,311,420	124,995,198	125,145,505	125,172,328	129,892,592	140,058,415
-	-	-	-	-	-	-	-	-	-
880,733,585	851,075,939	827,289,899	644,540,162	667,095,812	672,646,881	686,565,258	704,713,072	736,084,367	758,954,483

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
372,657,700	355,073,094	407,042,672	433,347,630	462,054,279	487,904,636	503,835,278	520,241,222	537,257,838	561,889,082
225,092,595	229,819,540	234,645,750	239,573,311	244,604,351	249,741,042	254,985,604	260,340,301	265,807,448	271,389,404
(107,547,968)	(109,806,476)	(112,112,412)	(114,466,772)	(116,870,574)	(119,324,857)	(121,830,678)	(124,389,123)	(127,001,294)	(129,668,321)
255,113,073	235,060,030	284,509,334	308,241,091	334,320,503	357,488,451	370,680,353	384,290,043	398,451,685	420,167,999
122,539,164	125,112,486	127,739,848	130,422,385	133,161,255	135,957,642	138,812,752	141,727,820	144,704,104	147,742,890
136,396,953	136,514,845	136,635,213	136,758,108	136,883,584	137,011,695	135,992,496	136,126,045	136,262,397	136,344,913
64,714,920	59,310,152	54,011,737	48,872,590	43,892,614	38,972,872	34,078,489	29,205,470	24,332,665	19,462,950
135,725,522	125,138,610	114,756,823	104,682,338	94,914,960	85,263,630	75,660,996	66,099,337	56,537,802	46,981,944
-	-	-	-	-	-	-	-	-	-
832,034,259	801,149,187	840,186,293	854,083,052	870,906,692	885,110,476	888,380,011	893,399,894	899,094,806	912,421,780

NIPSCO Replacement 3G

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
3,786	*Total Portfolio Cost*	338,830,902	316,128,703	306,878,305	246,375,397	250,013,152	300,242,318	310,085,672	323,910,575	303,821,689	297,239,476
1,413	*Total Owned Cost*	281,995,438	236,327,375	202,002,906	172,293,672	167,473,063	152,308,406	119,004,742	102,021,750	124,811,883	123,828,078
-1,115	*Net Market Purchases*	(47,116,645)	(34,429,445)	(65,934,352)	(114,396,541)	(102,669,883)	(120,922,258)	(80,139,570)	(53,385,602)	(74,664,188)	(94,562,109)
3,488	*Contract Cost*	103,952,109	114,230,774	170,809,750	188,478,266	185,209,973	268,856,170	271,220,500	275,274,427	253,673,994	267,973,508
1,282	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	99,539,874	79,908,366	72,856,547	76,693,478	75,674,060	81,980,772
2,672	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,170,048	245,553,458	249,753,686	253,561,029	253,927,961	254,360,470	266,461,536
930	*Taxes*	41,579,442	48,477,171	78,339,187	98,750,685	93,593,101	82,775,957	73,559,133	69,429,627	63,225,783	63,853,974
2,278	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,283,257	227,864,006	213,607,944	202,889,284	187,310,902	167,705,779	161,273,490
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
11,042	*Total Revenue Requirement*	822,666,809	845,515,799	966,551,599	957,952,168	938,974,783	948,896,599	935,589,709	933,724,705	882,682,712	874,076,958

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
298,914,582	294,174,180	283,415,582	270,501,152	257,187,506	241,044,660	243,711,236	259,352,373	271,753,975	271,057,397
126,787,484	60,839,563	15,309,517	16,112,382	18,108,553	19,233,285	19,493,115	19,817,053	20,657,609	21,904,135
(104,946,156)	(80,336,219)	(74,079,844)	(103,325,484)	(142,443,703)	(158,928,438)	(153,520,938)	(136,129,984)	(99,484,047)	(101,991,703)
277,073,254	313,670,836	342,185,909	357,714,255	381,522,657	380,739,812	377,739,059	375,665,305	350,580,413	351,144,966
84,317,622	101,628,615	90,936,875	96,707,798	102,490,121	105,427,313	112,666,934	114,373,822	119,298,962	123,880,457
266,574,237	307,924,843	317,892,212	150,796,130	164,151,774	164,168,382	168,223,530	168,240,138	174,702,994	179,182,854
64,108,060	78,078,133	96,985,062	100,924,926	108,073,714	109,455,347	105,128,645	100,593,892	97,444,179	97,707,986
154,192,888	179,555,534	213,723,308	216,637,836	229,998,760	232,221,934	223,420,944	214,217,297	207,687,387	207,748,376
-	-	-	-	-	-	-	-	-	-
868,107,389	961,361,305	1,002,953,038	835,567,842	861,901,875	852,317,637	853,151,290	856,777,523	870,887,497	879,577,071

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
362,868,452	342,301,338	414,020,705	438,410,036	465,155,034	489,007,493	502,859,887	517,188,749	532,077,551	557,137,866
22,364,122	22,833,768	23,313,277	23,802,856	24,302,716	24,813,073	25,334,148	25,866,165	26,409,354	26,963,951
(104,133,529)	(106,320,333)	(108,553,060)	(110,832,674)	(113,160,160)	(115,536,524)	(117,962,791)	(120,440,009)	(122,969,250)	(125,551,604)
444,637,859	425,787,903	499,260,488	525,439,854	554,012,478	579,730,944	595,488,530	611,762,594	628,637,446	655,725,519
126,481,946	129,138,067	131,849,967	134,618,816	137,445,811	140,332,173	143,279,149	146,288,011	149,360,059	152,496,620
177,664,087	177,681,400	177,699,077	177,717,124	177,735,551	177,754,364	177,773,573	177,793,185	177,813,208	177,776,953
94,159,264	87,294,251	80,503,518	73,843,031	67,289,219	60,770,375	54,261,259	47,757,809	41,256,305	34,759,636
200,446,435	186,740,104	173,176,855	159,864,754	146,758,278	133,718,943	120,698,003	107,687,607	94,680,560	81,682,434
-	-	-	-	-	-	-	-	-	-
961,620,184	923,155,160	977,250,121	984,453,760	994,383,893	1,001,583,348	998,871,870	996,715,361	995,187,684	1,003,853,509

NIPSCO Replacement 3H

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
3,736	*Total Portfolio Cost*	338,830,902	316,128,703	306,878,305	246,375,397	249,642,536	291,431,304	302,154,136	314,703,299	293,931,626	286,617,812
1,400	*Total Owned Cost*	281,995,438	236,327,375	202,002,906	172,293,672	167,473,063	152,308,406	119,004,742	102,021,750	124,811,883	123,828,078
-737	*Net Market Purchases*	(47,116,645)	(34,429,445)	(65,934,352)	(114,396,541)	(104,639,609)	(105,412,090)	(65,784,922)	(39,598,195)	(60,699,813)	(80,946,844)
3,072	*Contract Cost*	103,952,109	114,230,774	170,809,750	188,478,266	186,809,083	244,534,988	248,934,316	252,279,745	229,819,556	243,736,577
1,405	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	106,155,663	86,663,087	79,737,898	83,719,336	82,847,462	89,304,815
2,679	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,170,048	249,637,357	253,837,585	257,636,076	258,003,008	258,435,518	270,536,583
919	*Taxes*	41,579,442	48,477,171	78,339,187	98,750,685	95,913,224	87,203,924	77,600,508	73,158,580	66,700,292	67,095,805
2,257	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,283,257	232,344,359	222,158,718	210,693,517	194,511,823	174,415,345	167,533,738
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
11,090	*Total Revenue Requirement*	822,666,809	845,515,799	966,551,599	957,952,168	956,104,332	963,902,946	950,460,179	946,548,209	894,225,172	884,356,464

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
286,845,366	279,684,738	276,658,308	278,625,419	269,437,293	250,693,331	253,621,603	265,624,709	270,747,221	264,608,835
126,787,484	60,317,270	13,724,924	13,362,800	14,838,152	15,905,275	16,120,107	16,387,992	17,708,818	19,246,766
(92,448,195)	(58,771,641)	(30,668,953)	(28,662,313)	(56,266,438)	(73,340,922)	(68,483,250)	(54,010,359)	(23,407,672)	(31,402,906)
252,506,077	278,139,109	293,602,337	293,924,932	310,865,578	308,128,978	305,984,746	303,247,076	276,446,075	276,764,976
91,795,470	120,260,803	107,199,607	110,497,287	116,569,190	123,863,801	131,490,588	133,592,773	140,978,108	146,014,865
270,649,284	316,492,164	316,564,104	140,108,553	154,137,393	158,136,102	162,191,250	162,207,858	174,803,056	179,282,915
67,117,101	83,316,930	98,264,364	90,227,564	92,175,222	96,413,742	94,392,041	89,734,935	90,197,407	94,156,687
160,003,598	189,672,090	216,193,748	195,980,335	199,297,442	207,037,504	202,687,663	193,247,742	193,693,263	200,890,521
-	-	-	-	-	-	-	-	-	-
876,410,819	989,426,725	1,014,880,131	815,439,158	831,616,539	836,144,480	844,383,145	844,408,017	870,419,054	884,953,824

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
351,996,329	331,708,308	390,470,246	414,453,675	441,003,756	481,333,088	496,164,993	511,480,781	527,379,323	553,475,068
19,650,948	20,063,618	20,484,954	20,915,138	21,354,355	21,802,797	22,260,656	22,728,129	23,205,420	23,692,734
(32,062,367)	(32,735,677)	(33,423,126)	(34,125,012)	(34,841,637)	(35,573,311)	(36,320,351)	(37,083,078)	(37,861,823)	(38,656,921)
364,407,748	344,380,367	403,408,419	427,663,549	454,491,038	495,103,603	510,224,688	525,835,730	542,035,726	568,439,255
149,081,177	152,211,882	155,408,332	158,671,906	162,004,017	165,406,101	168,879,629	172,426,101	176,047,049	179,744,037
177,764,149	177,781,461	177,799,138	177,817,185	177,835,612	177,854,425	177,873,634	177,893,246	177,913,270	177,877,014
90,694,002	83,915,026	77,237,043	70,742,791	64,381,927	58,056,030	51,739,862	45,429,360	39,120,804	32,817,083
193,754,724	180,214,538	166,869,018	153,877,931	141,144,053	128,477,316	115,828,975	103,191,178	90,556,729	77,931,201
-	-	-	-	-	-	-	-	-	-
963,290,381	925,831,216	967,783,777	975,563,488	986,369,365	1,011,126,961	1,010,487,093	1,010,420,666	1,011,017,175	1,021,844,404

NIPSCO Replacement 3I

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
4,042	*Total Portfolio Cost*	338,830,902	316,128,703	306,878,305	246,436,147	270,481,712	322,000,676	328,630,141	342,358,964	320,883,255	314,251,797
2,262	*Total Owned Cost*	281,995,438	236,327,375	202,002,906	172,293,672	167,473,063	157,003,781	136,893,031	118,341,797	145,020,000	142,957,422
-1,412	*Net Market Purchases*	(47,116,645)	(34,429,445)	(65,934,352)	(114,396,541)	(111,039,449)	(113,590,137)	(89,671,898)	(61,537,219)	(88,989,445)	(107,919,695)
3,192	*Contract Cost*	103,952,109	114,230,774	170,809,750	188,539,016	214,048,099	278,587,032	281,409,008	285,554,386	264,852,700	279,214,071
1,370	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	106,155,663	86,663,087	80,447,961	84,444,310	83,587,660	90,060,558
2,500	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,174,714	249,642,024	253,842,252	258,805,734	259,178,924	259,617,824	271,732,747
799	*Taxes*	41,579,442	48,477,171	78,339,187	98,753,410	95,918,553	87,209,014	78,054,442	74,036,029	67,527,956	67,880,051
1,988	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,288,520	232,354,649	222,168,548	211,570,102	196,206,249	176,013,634	169,048,182
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
10,792	*Total Revenue Requirement*	822,666,809	845,515,799	966,551,599	958,025,572	976,963,794	994,491,904	980,146,423	978,676,639	925,525,259	916,241,045

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
315,769,006	317,856,184	322,210,158	325,200,253	313,611,310	303,607,722	302,726,678	314,334,537	319,501,055	315,096,035
147,214,766	151,153,313	153,313,188	157,684,422	162,095,359	145,097,703	176,958,906	187,902,109	204,859,750	214,148,203
(119,658,039)	(121,971,016)	(120,442,406)	(123,585,727)	(158,343,883)	(150,412,781)	(181,910,484)	(182,155,789)	(169,097,320)	(184,247,344)
288,212,280	288,673,887	289,339,377	291,101,557	309,859,834	308,922,800	307,678,256	308,588,216	283,738,625	285,195,175
92,567,083	103,646,150	102,500,831	107,610,219	111,897,389	116,549,239	122,713,639	126,555,744	132,083,466	138,565,239
271,852,109	278,096,963	278,199,179	103,933,249	117,994,661	118,090,493	122,176,520	122,878,196	135,504,593	140,035,817
67,859,571	64,257,093	60,518,299	56,013,321	61,351,286	65,139,295	62,756,758	60,527,368	63,181,356	68,587,943
161,437,370	147,040,370	132,426,617	119,957,200	130,119,227	137,287,531	132,539,369	128,086,318	133,062,851	143,354,257
-	-	-	-	-	-	-	-	-	-
909,485,139	910,896,760	895,855,085	712,714,242	734,973,872	740,674,279	742,912,963	752,382,164	783,333,321	805,639,291

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
392,147,538	372,744,153	435,862,523	460,887,227	469,060,618	503,953,302	520,090,253	536,744,627	554,008,892	581,496,948
218,645,315	223,236,867	227,924,841	232,711,263	237,598,199	242,587,762	247,682,105	252,883,429	258,193,981	263,616,054
(188,116,538)	(192,066,985)	(196,100,392)	(200,218,500)	(204,423,089)	(208,715,974)	(213,099,009)	(217,574,088)	(222,143,144)	(226,808,150)
361,618,760	341,574,272	404,038,074	428,394,464	435,885,508	470,081,514	485,507,158	501,435,287	517,958,055	544,689,044
141,475,109	144,446,086	147,479,454	150,576,523	153,738,629	156,967,141	160,263,451	163,628,983	167,065,192	170,573,561
138,569,494	138,640,351	138,712,697	138,786,561	138,861,977	138,938,976	137,867,593	137,947,860	138,029,813	138,056,787
66,410,228	60,920,810	55,512,414	50,237,319	45,068,481	39,933,837	34,825,209	29,738,502	24,652,578	19,570,325
138,999,303	128,248,925	117,654,755	107,317,742	97,185,657	87,119,335	77,102,974	67,128,666	57,155,580	47,189,293
-	-	-	-	-	-	-	-	-	-
877,601,672	845,000,325	895,221,842	907,805,371	903,915,363	926,912,591	930,149,480	935,188,639	940,912,055	956,886,915

STATUS QUO EXTENDED
NIPSCO Replacement 3A

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
3,055	*Total Portfolio Cost*	337,115,328	307,229,261	261,046,039	202,678,659	206,843,237	246,108,300	253,747,849	266,951,583	242,071,463	241,674,955
1,872	*Total Owned Cost*	282,031,750	230,615,453	202,246,750	172,629,516	164,856,516	127,409,773	111,687,875	94,364,102	113,764,719	110,203,258
-1,568	*Net Market Purchases*	(48,868,531)	(37,616,965)	(111,256,746)	(163,254,662)	(151,317,051)	(142,096,805)	(122,549,613)	(95,063,723)	(116,862,602)	(127,342,814)
2,751	*Contract Cost*	103,952,109	114,230,773	170,056,035	193,303,805	193,303,772	260,795,331	264,609,587	267,651,204	245,169,346	258,814,512
1,243	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	99,539,874	79,908,366	73,551,376	77,402,897	76,398,377	82,720,300
2,487	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,174,714	245,558,124	249,758,353	254,721,825	255,095,016	255,533,915	267,648,838
796	*Taxes*	41,579,442	48,477,171	78,339,187	98,753,410	93,598,430	82,781,047	74,008,033	70,297,467	64,044,668	64,630,107
1,982	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,288,520	227,874,297	213,617,773	203,756,147	188,986,775	169,287,114	162,772,269
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
9,657	*Total Revenue Requirement*	820,951,234	836,616,357	920,719,332	914,268,084	895,825,154	894,782,167	882,423,274	881,185,900	825,230,468	822,714,181

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
244,238,267	240,633,382	241,779,498	241,540,995	239,676,447	233,180,540	225,642,804	231,842,820	222,945,607	213,349,943
115,482,258	117,287,227	118,463,195	115,810,773	121,213,148	103,812,766	125,685,008	121,555,391	132,668,156	138,706,719
(138,382,490)	(143,745,391)	(143,141,393)	(137,284,494)	(158,944,002)	(142,223,027)	(167,446,180)	(154,418,043)	(147,680,332)	(163,543,590)
267,138,500	267,091,546	266,457,695	263,014,715	277,407,301	271,590,802	267,403,976	264,705,472	237,957,783	238,186,814
85,072,680	82,379,568	80,787,650	85,441,062	89,262,679	93,439,200	103,194,838	106,627,049	111,736,268	119,890,403
267,768,201	273,909,273	274,011,489	99,745,559	113,806,971	113,902,802	121,999,613	122,701,290	135,612,566	145,774,701
64,842,972	61,389,540	57,782,168	53,470,448	58,992,247	62,955,373	63,018,473	63,018,780	65,617,266	74,322,948
155,612,064	141,502,886	127,142,920	115,046,698	125,563,725	133,070,196	133,044,762	132,897,443	137,766,798	154,429,030
-	-	-	-	-	-	-	-	-	-
817,534,184	799,814,648	781,503,726	595,244,762	627,302,070	636,548,112	646,900,490	657,087,381	673,678,505	707,767,025

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
247,814,119	218,805,780	230,362,642	241,113,151	250,949,619	260,835,342	269,179,634	277,810,414	286,758,234	297,310,591
141,619,560	144,593,571	147,630,036	150,730,266	153,895,602	157,127,410	160,427,085	163,796,054	167,235,771	170,747,722
(166,978,005)	(170,484,543)	(174,064,719)	(177,720,078)	(181,452,199)	(185,262,696)	(189,153,212)	(193,125,430)	(197,181,064)	(201,321,866)
273,172,565	244,696,752	256,797,325	268,102,962	278,506,216	288,970,628	297,905,761	307,139,790	316,703,527	327,884,735
122,408,101	124,978,671	127,603,223	130,282,891	133,018,832	135,812,227	138,664,284	141,576,234	144,549,335	147,584,871
144,308,377	144,379,235	144,451,580	144,525,445	144,600,860	144,677,860	143,606,476	143,686,744	143,768,697	143,795,671
75,209,622	69,400,818	63,673,038	58,105,464	52,698,017	47,351,670	42,031,338	36,732,928	31,435,299	26,141,343
155,991,668	144,624,532	133,413,603	122,511,789	111,918,930	101,443,790	91,018,612	80,635,486	70,253,583	59,878,479
-	-	-	-	-	-	-	-	-	-
745,731,887	702,189,036	699,504,087	696,538,739	693,186,258	690,120,889	684,500,345	680,441,805	676,765,148	674,710,955

NIPSCO Replacement 3B

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
3,143	*Total Portfolio Cost*	337,115,328	307,229,261	261,046,039	202,678,659	206,889,034	248,008,320	258,261,332	271,896,349	245,813,822	246,770,722
1,864	*Total Owned Cost*	282,031,750	230,615,453	202,246,750	172,629,516	164,856,516	127,409,773	111,687,875	94,364,102	113,764,719	109,927,602
-1,462	*Net Market Purchases*	(48,868,531)	(37,616,965)	(111,256,746)	(163,254,662)	(151,295,941)	(144,837,625)	(119,345,518)	(90,825,289)	(114,780,443)	(120,183,619)
2,741	*Contract Cost*	103,952,109	114,230,773	170,056,035	193,303,805	193,328,459	265,436,171	265,918,975	268,357,536	246,829,547	257,026,740
1,168	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	99,539,874	79,908,366	67,366,226	71,087,859	69,950,724	75,264,856
2,406	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,174,714	245,558,124	249,758,353	251,124,234	251,497,425	251,936,324	261,414,150
731	*Taxes*	41,579,442	48,477,171	78,339,187	98,753,410	93,598,430	82,781,047	71,964,188	66,396,780	60,480,107	59,795,108
1,858	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,288,520	227,874,297	213,617,773	199,809,312	181,454,221	162,403,648	153,435,480
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
9,400	*Total Revenue Requirement*	820,951,234	836,616,357	920,719,332	914,268,084	895,870,951	896,682,186	871,163,337	864,784,796	808,479,556	799,948,026

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
250,464,204	251,297,319	255,474,260	256,272,030	253,340,983	247,404,819	240,695,985	247,571,818	239,764,743	235,044,643
115,044,727	116,337,883	117,224,656	114,604,500	119,986,750	102,564,766	124,420,125	120,269,492	131,362,328	136,836,375
(127,843,887)	(128,009,311)	(125,959,793)	(118,847,834)	(142,607,584)	(124,205,684)	(148,849,252)	(135,171,516)	(131,339,801)	(142,022,480)
263,263,364	262,968,746	264,209,396	260,515,364	275,961,817	269,045,737	265,125,112	262,473,841	239,742,216	240,230,748
77,460,672	72,803,176	71,010,154	75,458,239	79,070,216	83,032,696	92,569,796	95,778,882	100,660,289	106,482,175
261,533,512	261,766,260	261,868,477	87,602,546	101,663,958	101,759,790	109,856,601	110,558,277	123,184,674	127,715,898
58,744,374	52,148,845	45,518,480	41,732,708	47,732,135	52,148,755	52,665,350	53,119,151	56,004,593	61,711,173
143,835,161	123,658,331	103,460,712	92,380,141	103,819,506	112,201,713	113,052,015	113,780,431	119,203,921	130,074,638
-	-	-	-	-	-	-	-	-	-
792,037,923	761,673,931	737,332,082	553,445,663	585,626,799	596,547,772	608,839,746	620,808,558	638,818,220	661,028,528

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
274,352,825	245,022,847	256,159,208	266,265,406	275,449,318	266,246,158	274,811,990	283,661,088	292,834,214	303,176,994
139,709,939	142,643,848	145,639,368	148,697,795	151,820,449	155,008,678	158,263,860	161,587,402	164,980,737	168,445,332
(145,004,953)	(148,050,057)	(151,159,108)	(154,333,449)	(157,574,451)	(160,883,515)	(164,262,069)	(167,711,572)	(171,233,515)	(174,829,419)
279,647,838	250,429,056	261,678,947	271,901,060	281,203,321	272,120,995	280,810,199	289,785,258	299,086,992	309,561,081
108,718,301	111,001,385	113,332,414	115,712,395	118,142,355	120,623,345	123,156,435	125,742,720	128,383,317	131,079,367
126,249,575	126,320,432	126,392,778	126,466,642	126,542,058	126,619,057	125,547,674	125,627,941	125,709,894	125,736,868
59,884,538	54,767,735	49,731,955	44,856,381	40,140,935	35,486,588	30,858,256	26,251,847	21,646,218	17,044,263
126,397,648	116,366,823	106,492,205	96,926,701	87,670,153	78,531,324	69,442,457	60,395,642	51,350,049	42,311,256
-	-	-	-	-	-	-	-	-	-
695,602,886	653,479,222	652,108,560	650,227,525	647,944,820	627,506,472	623,816,812	621,679,237	619,923,693	619,348,747

NIPSCO Replacement 3C

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
2,517	*Total Portfolio Cost*	337,115,328	307,229,261	261,046,039	201,207,930	204,344,524	186,917,935	176,650,346	190,350,568	163,790,235	166,566,199
2,838	*Total Owned Cost*	282,031,750	230,615,453	202,246,750	172,629,516	164,856,516	195,492,219	226,791,516	211,270,047	230,313,969	226,442,906
-2,302	*Net Market Purchases*	(48,868,531)	(37,616,965)	(111,256,746)	(159,899,844)	(145,654,295)	(195,803,048)	(239,489,988)	(212,852,437)	(235,559,671)	(230,124,791)
1,981	*Contract Cost*	103,952,109	114,230,773	170,056,035	188,478,258	185,142,303	187,228,765	189,348,819	191,932,958	169,035,938	170,248,084
1,218	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	99,539,874	88,192,055	75,823,873	79,723,117	78,767,321	81,649,433
2,563	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,174,714	245,558,124	276,119,061	277,560,929	278,011,702	278,529,814	280,177,222
844	*Taxes*	41,579,442	48,477,171	78,339,187	98,753,410	93,598,430	98,174,851	102,110,718	95,281,600	88,142,483	81,646,390
2,075	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,288,520	227,874,297	243,344,497	258,024,783	237,233,224	215,822,009	195,632,134
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
9,309	*Total Revenue Requirement*	820,951,234	836,616,357	920,719,332	912,797,356	893,326,441	915,356,726	912,808,693	903,052,374	842,946,793	808,939,089

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
171,877,247	172,732,973	175,886,313	170,535,561	167,407,645	165,167,352	161,491,198	169,507,783	158,893,210	153,085,155
230,406,234	233,146,641	236,226,156	236,852,000	239,568,844	221,907,250	247,023,766	244,087,297	261,208,875	270,690,344
(229,584,352)	(231,571,961)	(231,313,364)	(237,861,053)	(244,636,109)	(216,266,291)	(243,528,148)	(229,988,402)	(231,194,967)	(246,738,437)
171,055,364	171,158,293	170,973,521	171,544,614	172,474,911	159,526,393	157,995,580	155,408,888	128,879,302	129,133,248
83,979,325	79,458,721	77,805,466	86,149,265	85,238,294	93,392,062	94,993,613	98,253,598	103,186,975	109,061,921
280,379,159	280,696,215	280,884,510	117,761,927	117,933,491	122,103,041	122,271,824	123,069,005	135,792,912	140,423,694
74,977,506	67,579,073	60,174,270	62,092,177	65,400,731	62,983,001	60,353,487	55,648,958	58,335,751	63,748,267
175,182,697	153,455,392	131,762,269	131,695,977	137,939,044	133,123,547	127,898,451	118,665,700	123,705,584	134,008,437
-	-	-	-	-	-	-	-	-	-
786,395,934	753,922,374	726,512,827	568,234,907	573,919,205	576,769,002	567,008,572	565,145,044	579,914,432	600,327,474

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
193,005,232	164,300,002	176,006,695	186,558,563	196,198,680	205,879,570	214,034,355	222,446,773	231,179,239	239,751,705
276,374,841	282,178,713	288,104,466	294,154,659	300,331,907	306,638,877	313,078,294	319,652,938	326,365,650	333,219,328
(251,919,944)	(257,210,263)	(262,611,678)	(268,126,523)	(273,757,180)	(279,506,081)	(285,375,709)	(291,368,599)	(297,487,339)	(303,734,573)
168,550,334	139,331,552	150,513,907	160,530,427	169,623,953	178,746,774	186,331,770	194,162,434	202,300,928	210,266,950
111,352,222	113,690,618	116,078,121	118,515,762	121,004,593	123,545,689	126,140,149	128,789,092	131,493,663	134,255,030
139,059,018	139,233,659	139,411,966	139,594,019	139,779,894	139,969,673	139,013,437	139,211,270	139,413,257	139,562,787
61,543,726	56,003,961	50,569,903	45,293,657	40,094,397	34,988,724	30,083,991	25,288,157	20,491,849	15,697,932
129,601,681	118,754,079	108,110,354	97,771,119	87,580,285	77,569,907	67,947,286	58,534,676	49,120,865	39,711,378
-	-	-	-	-	-	-	-	-	-
634,561,879	591,982,319	590,177,040	587,733,120	584,657,849	581,953,564	577,219,218	574,269,968	571,698,873	568,978,831

NIPSCO Replacement 3D

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
3,051	*Total Portfolio Cost*	337,115,328	307,229,261	261,046,039	201,207,930	204,391,086	244,460,929	250,307,201	263,782,391	239,166,737	238,536,278
1,870	*Total Owned Cost*	282,031,750	230,615,453	202,246,750	172,629,516	164,856,516	127,409,773	111,687,875	94,364,102	113,764,719	110,203,258
-1,599	*Net Market Purchases*	(48,868,531)	(37,616,965)	(111,256,746)	(159,899,844)	(145,675,404)	(146,780,723)	(127,927,590)	(100,599,414)	(122,290,141)	(132,883,961)
2,780	*Contract Cost*	103,952,109	114,230,773	170,056,035	188,478,258	185,209,975	263,831,878	266,546,916	270,017,704	247,692,159	261,216,981
1,250	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	99,539,874	79,908,366	73,551,376	77,402,897	76,398,377	82,720,300
2,484	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,174,714	245,558,124	249,758,353	254,721,825	255,095,016	255,533,915	267,648,838
791	*Taxes*	41,579,442	48,477,171	78,339,187	98,753,410	93,598,430	82,781,047	74,008,033	70,297,467	64,044,668	64,630,107
1,973	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,288,520	227,874,297	213,617,773	203,756,147	188,986,775	169,287,114	162,772,269
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
9,644	*Total Revenue Requirement*	820,951,234	836,616,357	920,719,332	912,797,356	893,373,004	893,134,795	878,982,626	878,016,708	822,325,742	819,575,503

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
241,120,587	240,962,571	242,523,529	240,768,770	236,219,459	230,967,095	227,357,804	235,119,519	226,341,994	216,874,463
115,482,258	116,764,938	118,396,398	116,212,867	121,120,977	103,396,766	125,263,383	121,126,758	132,232,875	138,263,828
(144,082,357)	(145,561,006)	(154,402,221)	(160,152,656)	(170,549,818)	(145,234,816)	(168,883,086)	(154,418,039)	(147,680,336)	(163,543,586)
269,720,687	269,758,640	278,529,352	284,708,559	285,648,301	272,805,146	270,977,507	268,410,801	241,789,455	242,154,220
85,072,680	80,575,036	81,705,955	94,676,758	96,793,341	101,128,006	102,892,012	106,317,863	111,420,590	119,568,095
267,768,201	268,000,949	276,299,017	109,879,528	118,743,785	118,839,617	118,914,861	119,616,537	132,527,813	142,689,948
64,842,972	57,935,567	55,784,574	60,794,772	67,235,940	67,440,278	62,472,033	57,958,978	60,975,908	69,955,252
155,612,064	134,832,974	123,285,398	129,190,580	141,482,985	141,730,921	131,989,542	123,126,541	128,803,947	145,994,645
-	-	-	-	-	-	-	-	-	-
814,416,505	782,307,097	779,598,472	635,310,407	660,475,509	660,105,916	643,626,251	642,139,439	660,070,251	695,082,403

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
251,329,339	222,311,504	233,959,977	245,008,975	255,148,439	265,344,710	274,000,719	282,956,544	292,234,167	303,121,660
141,167,369	144,131,883	147,158,653	150,248,985	153,404,213	156,625,702	159,914,841	163,273,053	166,701,787	170,202,525
(166,978,001)	(170,484,539)	(174,064,715)	(177,720,074)	(181,452,195)	(185,262,691)	(189,153,208)	(193,125,425)	(197,181,059)	(201,321,861)
277,139,972	248,664,160	260,866,038	272,480,064	283,196,421	293,981,700	303,239,085	312,808,916	322,713,439	334,240,997
122,079,025	124,642,685	127,260,181	129,932,645	132,661,231	135,447,116	138,291,506	141,195,627	144,160,736	147,188,111
141,223,625	141,294,482	141,366,827	141,440,692	141,516,108	141,593,107	140,521,724	140,601,991	140,683,944	140,710,918
71,064,947	65,541,482	60,151,675	54,868,263	49,637,239	44,413,503	39,215,782	34,039,984	28,864,967	23,693,622
147,987,955	137,171,830	126,613,556	116,260,484	106,008,311	95,769,943	85,581,539	75,435,186	65,290,056	55,151,725
-	-	-	-	-	-	-	-	-	-
733,684,891	690,961,982	689,352,216	687,511,059	684,971,326	682,568,380	677,611,269	674,229,333	671,233,869	669,866,036

NIPSCO Replacement 3E

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
2,941	*Total Portfolio Cost*	337,115,328	307,229,261	261,046,039	202,678,659	205,797,635	226,164,230	234,116,703	246,728,139	222,004,080	222,438,902
1,864	*Total Owned Cost*	282,031,750	230,615,453	202,246,750	172,629,516	164,856,516	127,409,773	111,687,875	94,364,102	113,764,719	109,927,602
-1,357	*Net Market Purchases*	(48,868,531)	(37,616,965)	(111,256,746)	(163,254,662)	(152,294,965)	(122,940,834)	(104,633,693)	(77,569,445)	(99,152,305)	(105,571,504)
2,435	*Contract Cost*	103,952,109	114,230,773	170,056,035	193,303,805	193,236,084	221,695,291	227,062,521	229,933,483	207,391,666	218,082,804
1,318	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	106,155,663	86,663,087	80,432,726	84,428,756	83,571,779	89,171,954
2,488	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,174,714	249,642,024	253,842,252	258,796,873	259,170,063	259,608,963	269,086,788
785	*Taxes*	41,579,442	48,477,171	78,339,187	98,753,410	95,918,553	87,209,014	78,049,408	74,026,421	67,519,176	66,330,306
1,962	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,288,520	232,354,649	222,168,548	211,560,380	196,187,696	175,996,680	166,055,496
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
9,588	*Total Revenue Requirement*	820,951,234	836,616,357	920,719,332	914,268,084	912,279,717	898,655,458	885,594,134	882,993,237	826,595,608	816,351,157

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
225,151,332	224,663,470	226,573,146	227,039,524	225,099,388	217,650,321	210,632,169	217,272,310	208,353,698	203,037,078
115,044,727	116,337,883	117,224,656	114,604,500	119,986,750	102,564,766	124,420,125	120,269,492	131,362,328	136,836,375
(114,549,979)	(116,459,930)	(115,103,709)	(108,808,340)	(130,616,354)	(114,884,598)	(139,762,348)	(126,361,375)	(119,747,813)	(130,828,301)
224,656,584	224,785,516	224,452,198	221,243,364	235,728,992	229,970,153	225,974,392	223,364,192	196,739,182	197,029,004
91,659,818	91,567,783	90,168,818	95,019,235	99,041,993	107,485,638	113,459,703	117,107,476	122,436,784	128,715,976
269,206,150	273,301,432	273,403,648	99,137,718	113,199,130	117,277,063	121,363,091	122,064,767	134,691,164	139,222,388
64,821,908	60,009,742	55,016,818	50,565,488	56,017,274	62,222,348	62,062,562	59,621,108	62,153,917	67,538,621
155,571,387	138,838,380	121,802,797	109,436,978	119,818,803	131,654,662	131,198,817	126,336,255	131,078,780	141,327,928
-	-	-	-	-	-	-	-	-	-
806,410,595	788,380,805	766,965,227	581,198,943	613,176,588	636,290,033	638,716,342	642,401,916	658,714,342	679,841,993

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
246,818,776	217,745,302	229,244,856	239,210,934	248,380,022	258,312,907	266,716,057	275,393,363	284,392,827	294,559,634
139,709,939	142,643,848	145,639,368	148,697,795	151,820,449	155,008,678	158,263,860	161,587,402	164,980,737	168,445,332
(133,575,695)	(136,380,785)	(139,244,781)	(142,168,922)	(145,154,469)	(148,202,713)	(151,314,970)	(154,492,584)	(157,736,928)	(161,049,404)
240,684,532	211,482,239	222,850,269	232,682,060	241,714,042	251,506,942	259,767,167	268,298,545	277,149,019	287,163,705
131,419,012	134,178,811	136,996,566	139,873,494	142,810,837	145,809,865	148,871,872	151,998,181	155,190,143	158,449,136
137,756,065	137,826,922	137,899,267	137,973,132	138,048,548	138,125,547	137,054,164	137,134,431	137,216,384	137,243,358
65,385,764	59,921,204	54,564,379	49,394,341	44,357,272	39,354,398	34,377,539	29,422,601	24,468,445	19,517,962
137,020,978	126,318,603	115,824,021	105,689,882	95,812,254	86,000,388	76,238,485	66,518,634	56,800,006	47,088,176
-	-	-	-	-	-	-	-	-	-
718,400,595	675,990,843	674,529,091	672,141,782	669,408,933	667,603,105	663,258,117	660,467,211	658,067,806	656,858,267

NIPSCO Replacement 3F

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
2,908	*Total Portfolio Cost*	337,115,328	307,229,261	261,046,039	202,678,659	206,796,659	222,027,906	228,524,913	241,571,845	216,057,942	216,577,642
1,943	*Total Owned Cost*	282,031,750	230,615,453	202,246,750	172,629,516	164,856,516	134,683,172	121,102,680	103,939,016	123,953,602	119,932,898
-1,323	*Net Market Purchases*	(48,868,531)	(37,616,965)	(111,256,746)	(163,254,662)	(151,295,941)	(119,244,578)	(102,677,242)	(75,123,129)	(97,955,926)	(104,072,965)
2,288	*Contract Cost*	103,952,109	114,230,773	170,056,035	193,303,805	193,236,084	206,589,312	210,099,475	212,755,958	190,060,266	200,717,709
1,262	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	99,539,874	83,969,685	77,697,997	81,636,598	80,720,985	86,261,293
2,483	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,174,714	245,558,124	255,708,270	260,706,189	261,114,540	261,589,339	271,103,817
786	*Taxes*	41,579,442	48,477,171	78,339,187	98,753,410	93,598,430	86,244,484	80,780,011	76,767,655	70,228,202	68,998,925
1,962	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,288,520	227,874,297	220,305,960	216,833,403	201,481,248	181,228,034	171,208,821
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
9,495	*Total Revenue Requirement*	820,951,234	836,616,357	920,719,332	914,268,084	895,778,576	890,864,633	887,180,557	885,024,048	827,719,432	817,418,210

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
219,575,946	219,977,678	223,566,586	224,165,608	221,532,841	215,058,092	208,120,467	214,537,603	206,514,849	201,455,295
124,469,188	125,333,289	126,823,906	124,111,742	130,009,211	111,898,469	133,609,875	129,123,984	141,672,969	147,283,359
(112,163,121)	(112,702,436)	(110,284,389)	(103,736,717)	(126,660,531)	(109,161,551)	(133,766,051)	(120,158,613)	(114,028,023)	(124,879,984)
207,269,880	207,346,824	207,027,068	203,790,583	218,184,161	212,321,174	208,276,643	205,572,232	178,869,903	179,051,920
88,688,034	84,266,313	82,714,017	87,407,883	91,270,803	95,489,494	105,288,188	108,764,359	113,918,462	120,018,770
271,260,602	271,531,558	271,672,786	97,446,685	111,548,764	111,686,116	119,825,319	120,570,278	133,240,866	137,817,210
67,462,497	60,408,964	53,322,761	49,104,430	54,718,841	58,773,784	58,927,891	59,018,376	61,539,656	66,881,212
160,670,586	139,609,312	118,531,431	106,615,552	117,311,420	124,995,198	125,145,505	125,172,328	129,892,592	140,058,415
-	-	-	-	-	-	-	-	-	-
807,657,666	775,793,825	749,807,580	564,740,158	596,382,668	606,002,685	617,307,370	628,062,944	645,106,424	666,230,901

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
241,342,848	212,604,416	224,344,746	235,067,596	244,881,110	254,739,831	263,072,613	271,671,288	280,592,542	290,681,087
150,376,310	153,534,212	156,758,431	160,050,358	163,411,415	166,843,055	170,346,759	173,924,041	177,576,446	181,305,552
(127,502,464)	(130,180,016)	(132,913,796)	(135,704,986)	(138,554,791)	(141,464,441)	(144,435,194)	(147,468,333)	(150,565,168)	(153,727,037)
218,469,002	189,250,220	200,500,111	210,722,224	220,024,485	229,361,217	237,161,048	245,215,580	253,581,264	263,102,572
122,539,164	125,112,486	127,739,848	130,422,385	133,161,255	135,957,642	138,812,752	141,727,820	144,704,104	147,742,890
136,396,953	136,514,845	136,635,213	136,758,108	136,883,584	137,011,695	135,992,496	136,126,045	136,262,397	136,344,913
64,714,920	59,310,152	54,011,737	48,872,590	43,892,614	38,972,872	34,078,489	29,205,470	24,332,665	19,462,950
135,725,522	125,138,610	114,756,823	104,682,338	94,914,960	85,263,630	75,660,996	66,099,337	56,537,802	46,981,944
-	-	-	-	-	-	-	-	-	-
700,719,407	658,680,509	657,488,367	655,803,018	653,733,523	651,945,670	647,617,346	644,829,960	642,429,510	641,213,785

NIPSCO Replacement 3G

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
3,229	*Total Portfolio Cost*	337,115,328	307,229,261	261,046,039	201,207,930	204,391,086	245,665,657	256,428,154	269,278,360	245,635,307	244,865,633
1,335	*Total Owned Cost*	282,031,750	230,615,453	202,246,750	172,629,516	164,856,516	127,409,773	101,909,836	86,351,188	103,920,383	101,123,578
-1,314	*Net Market Purchases*	(48,868,531)	(37,616,965)	(111,256,746)	(159,899,844)	(145,675,404)	(150,126,838)	(116,566,191)	(91,861,938)	(110,800,672)	(122,314,035)
3,209	*Contract Cost*	103,952,109	114,230,773	170,056,035	188,478,258	185,209,975	268,382,722	271,084,509	274,789,110	252,515,596	266,056,090
1,282	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	99,539,874	79,908,366	72,856,547	76,693,478	75,674,060	81,980,772
2,672	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,170,048	245,553,458	249,753,686	253,561,029	253,927,961	254,360,470	266,461,536
930	*Taxes*	41,579,442	48,477,171	78,339,187	98,750,685	93,593,101	82,775,957	73,559,133	69,429,627	63,225,783	63,853,974
2,278	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,283,257	227,864,006	213,607,944	202,889,284	187,310,902	167,705,779	161,273,490
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
10,485	*Total Revenue Requirement*	820,951,234	836,616,357	920,719,332	912,784,701	893,352,717	894,319,938	881,932,191	879,092,489	824,496,330	821,703,115

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
247,521,539	260,972,343	273,100,861	270,430,621	271,275,572	261,284,322	261,560,583	267,148,986	265,563,783	261,372,777
104,948,016	52,387,750	15,304,252	16,112,382	18,108,553	19,233,285	19,493,115	19,817,053	20,657,609	21,904,135
(131,992,258)	(99,354,172)	(79,267,180)	(98,836,820)	(123,685,969)	(132,476,453)	(129,209,570)	(121,347,586)	(97,667,266)	(103,270,938)
274,565,781	307,938,765	337,063,789	353,155,059	376,852,988	374,527,490	371,277,038	368,679,519	342,573,439	342,739,580
84,317,622	101,628,615	90,936,875	96,707,798	102,490,121	105,427,313	112,666,934	114,373,822	119,298,962	123,880,457
266,574,237	307,924,843	317,892,212	150,796,130	164,151,774	164,168,382	168,223,530	168,240,138	174,702,994	179,182,854
64,108,060	78,078,133	96,985,062	100,924,926	108,073,714	109,455,347	105,128,645	100,593,892	97,444,179	97,707,986
154,192,888	179,555,534	213,723,308	216,637,836	229,998,760	232,221,934	223,420,944	214,217,297	207,687,387	207,748,376
-	-	-	-	-	-	-	-	-	-
816,714,345	928,159,468	992,638,317	835,497,310	875,989,941	872,557,298	871,000,637	864,574,135	864,697,305	869,892,450

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
294,649,829	264,429,431	274,883,854	284,782,048	293,745,954	302,742,376	310,171,555	317,877,049	325,877,392	335,460,253
22,364,122	22,833,768	23,313,277	23,802,856	24,302,716	24,813,073	25,334,148	25,866,165	26,409,354	26,963,951
(105,439,627)	(107,653,859)	(109,914,590)	(112,222,797)	(114,579,476)	(116,985,645)	(119,442,343)	(121,950,632)	(124,511,596)	(127,126,339)
377,725,334	349,249,522	361,485,167	373,201,989	384,022,713	394,914,948	404,279,750	413,961,516	423,979,633	435,622,641
126,481,946	129,138,067	131,849,967	134,618,816	137,445,811	140,332,173	143,279,149	146,288,011	149,360,059	152,496,620
177,664,087	177,681,400	177,699,077	177,717,124	177,735,551	177,754,364	177,773,573	177,793,185	177,813,208	177,776,953
94,159,264	87,294,251	80,503,518	73,843,031	67,289,219	60,770,375	54,261,259	47,757,809	41,256,305	34,759,636
200,446,435	186,740,104	173,176,855	159,864,754	146,758,278	133,718,943	120,698,003	107,687,607	94,680,560	81,682,434
-	-	-	-	-	-	-	-	-	-
893,401,561	845,283,253	838,113,270	830,825,773	822,974,813	815,318,231	806,183,538	797,403,661	788,987,524	782,175,896

NIPSCO Replacement 3H

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
3,105	*Total Portfolio Cost*	337,115,328	307,229,261	261,046,039	201,207,930	204,274,073	232,912,440	244,028,695	255,703,510	231,791,979	231,174,356
1,322	*Total Owned Cost*	282,031,750	230,615,453	202,246,750	172,629,516	164,856,516	127,409,773	101,909,836	86,351,188	103,920,383	101,123,578
-1,081	*Net Market Purchases*	(48,868,531)	(37,616,965)	(111,256,746)	(159,899,844)	(147,391,519)	(139,032,322)	(106,815,467)	(82,927,430)	(101,947,957)	(113,685,809)
2,864	*Contract Cost*	103,952,109	114,230,773	170,056,035	188,478,258	186,809,076	244,534,989	248,934,326	252,279,753	229,819,553	243,736,587
1,405	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	106,155,663	86,663,087	79,737,898	83,719,336	82,847,462	89,304,815
2,679	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,170,048	249,637,357	253,837,585	257,636,076	258,003,008	258,435,518	270,536,583
919	*Taxes*	41,579,442	48,477,171	78,339,187	98,750,685	95,913,224	87,203,924	77,600,508	73,158,580	66,700,292	67,095,805
2,257	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,283,257	232,344,359	222,158,718	210,693,517	194,511,823	174,415,345	167,533,738
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
10,458	*Total Revenue Requirement*	820,951,234	836,616,357	920,719,332	912,784,701	910,735,868	905,384,081	892,334,738	887,548,421	832,085,524	828,913,009

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
233,212,916	244,342,866	254,537,337	254,971,211	255,221,888	243,209,003	244,199,522	248,465,485	241,507,702	235,897,984
104,948,016	51,865,457	13,719,659	13,362,800	14,838,152	15,905,275	16,120,107	16,387,992	17,708,818	19,246,766
(124,241,176)	(85,661,719)	(52,717,664)	(52,316,508)	(70,481,859)	(80,825,227)	(77,905,344)	(71,169,594)	(52,647,188)	(60,113,758)
252,506,076	278,139,128	293,535,341	293,924,919	310,865,595	308,128,955	305,984,759	303,247,087	276,446,072	276,764,976
91,795,470	120,260,803	107,199,607	110,497,287	116,569,190	123,863,801	131,490,588	133,592,773	140,978,108	146,014,865
270,649,284	316,492,164	316,564,104	140,108,553	154,137,393	158,136,102	162,191,250	162,207,858	174,803,056	179,282,915
67,117,101	83,316,930	98,264,364	90,227,564	92,175,222	96,413,742	94,392,041	89,734,935	90,197,407	94,156,687
160,003,598	189,672,090	216,193,748	195,980,335	199,297,442	207,037,504	202,687,663	193,247,742	193,693,263	200,890,521
-	-	-	-	-	-	-	-	-	-
822,778,370	954,084,853	992,759,159	791,784,950	817,401,134	828,660,152	834,961,065	827,248,794	841,179,536	856,242,973

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
285,994,333	255,924,055	263,907,064	271,163,725	277,602,758	282,760,231	290,730,058	298,978,924	307,536,685	317,690,693
19,650,948	20,063,618	20,484,954	20,915,138	21,354,355	21,802,797	22,260,656	22,728,129	23,205,420	23,692,734
(61,376,147)	(62,665,046)	(63,981,012)	(65,324,613)	(66,696,430)	(68,097,055)	(69,527,093)	(70,987,162)	(72,477,892)	(73,999,928)
327,719,532	298,525,483	307,403,122	315,573,200	322,944,833	329,054,489	337,996,496	347,237,957	356,809,157	367,997,887
149,081,177	152,211,882	155,408,332	158,671,906	162,004,017	165,406,101	168,879,629	172,426,101	176,047,049	179,744,037
177,764,149	177,781,461	177,799,138	177,817,185	177,835,612	177,854,425	177,873,634	177,893,246	177,913,270	177,877,014
90,694,002	83,915,026	77,237,043	70,742,791	64,381,927	58,056,030	51,739,862	45,429,360	39,120,804	32,817,083
193,754,724	180,214,538	166,869,018	153,877,931	141,144,053	128,477,316	115,828,975	103,191,178	90,556,729	77,931,201
-	-	-	-	-	-	-	-	-	-
897,288,385	850,046,963	841,220,594	832,273,538	822,968,367	812,554,103	805,052,159	797,918,810	791,174,536	786,060,029

NIPSCO Replacement 3I

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
3,243	*Total Portfolio Cost*	337,115,328	307,229,261	261,046,039	201,268,696	221,239,078	260,515,066	267,870,399	280,841,025	256,774,145	256,867,805
1,912	*Total Owned Cost*	282,031,750	230,615,453	202,246,750	172,629,516	164,856,516	131,758,719	116,210,711	98,254,711	118,691,406	114,959,266
-1,649	*Net Market Purchases*	(48,868,531)	(37,616,965)	(111,256,746)	(159,899,844)	(161,960,028)	(152,821,178)	(132,027,154)	(104,846,227)	(127,652,633)	(138,026,389)
2,980	*Contract Cost*	103,952,109	114,230,773	170,056,035	188,539,024	218,342,591	281,577,525	283,686,842	287,432,541	265,735,372	279,934,928
1,370	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	106,155,663	86,663,087	80,447,961	84,444,310	83,587,660	90,060,558
2,500	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,174,714	249,642,024	253,842,252	258,805,734	259,178,924	259,617,824	271,732,747
799	*Taxes*	41,579,442	48,477,171	78,339,187	98,753,410	95,918,553	87,209,014	78,054,442	74,036,029	67,527,956	67,880,051
1,988	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,288,520	232,354,649	222,168,548	211,570,102	196,206,249	176,013,634	169,048,182
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
9,993	*Total Revenue Requirement*	820,951,234	836,616,357	920,719,332	912,858,121	927,721,160	933,006,294	919,386,681	917,158,699	861,416,149	858,857,053

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
260,196,882	260,974,057	264,151,977	266,109,934	265,359,610	261,785,501	259,034,547	266,441,804	257,841,488	252,850,759
120,533,516	122,123,070	123,131,656	120,314,398	126,311,188	108,079,711	131,088,984	126,885,727	138,508,328	144,150,234
(149,385,209)	(150,882,980)	(149,320,391)	(145,521,711)	(170,231,748)	(153,125,873)	(177,661,713)	(164,063,408)	(159,540,602)	(171,263,102)
289,048,576	289,733,967	290,340,711	291,317,247	309,280,170	306,831,663	305,607,275	303,619,486	278,873,761	279,963,626
92,567,083	103,646,150	102,500,831	107,610,219	111,897,389	116,549,239	122,713,639	126,555,744	132,083,466	138,565,239
271,852,109	278,096,963	278,199,179	103,933,249	117,994,661	118,090,493	122,176,520	122,878,196	135,504,593	140,035,817
67,859,571	64,257,093	60,518,299	56,013,321	61,351,286	65,139,295	62,756,758	60,527,368	63,181,356	68,587,943
161,437,370	147,040,370	132,426,617	119,957,200	130,119,227	137,287,531	132,539,369	128,086,318	133,062,851	143,354,257
-	-	-	-	-	-	-	-	-	-
853,913,015	854,014,633	837,796,903	653,623,924	686,722,172	698,852,058	699,220,832	704,489,431	721,673,754	743,394,016

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
292,039,081	262,247,216	273,967,701	283,957,099	270,487,982	269,470,060	277,991,766	286,809,377	295,946,216	306,690,225
147,177,389	150,268,114	153,423,745	156,645,644	159,935,202	163,293,841	166,723,012	170,224,195	173,798,903	177,448,680
(174,859,627)	(178,531,679)	(182,280,844)	(186,108,742)	(190,017,025)	(194,007,383)	(198,081,538)	(202,241,250)	(206,488,317)	(210,824,571)
319,721,318	290,510,780	302,824,800	313,420,197	300,569,806	300,183,602	309,350,292	318,826,433	328,635,629	340,066,116
141,475,109	144,446,086	147,479,454	150,576,523	153,738,629	156,967,141	160,263,451	163,628,983	167,065,192	170,573,561
138,569,494	138,640,351	138,712,697	138,786,561	138,861,977	138,938,976	137,867,593	137,947,860	138,029,813	138,056,787
66,410,228	60,920,810	55,512,414	50,237,319	45,068,481	39,933,837	34,825,209	29,738,502	24,652,578	19,570,325
138,999,303	128,248,925	117,654,755	107,317,742	97,185,657	87,119,335	77,102,974	67,128,666	57,155,580	47,189,293
-	-	-	-	-	-	-	-	-	-
777,493,215	734,503,388	733,327,020	730,875,244	705,342,727	692,429,349	688,050,993	685,253,390	682,849,379	682,080,192

AGGRESSIVE ENVIRONMENTAL REGULATION
NIPSCO Replacement 3A

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
4,829	*Total Portfolio Cost*	338,214,551	322,326,830	316,256,601	273,970,960	285,726,952	320,950,126	334,402,385	353,354,803	350,742,726	344,647,851
2,309	*Total Owned Cost*	282,541,594	242,616,438	190,504,922	187,105,281	168,623,422	123,839,875	98,774,688	87,715,836	107,843,414	114,521,492
-794	*Net Market Purchases*	(48,279,152)	(34,520,387)	(45,288,215)	(104,778,461)	(72,124,707)	(59,759,094)	(25,460,438)	1,503,492	759,531	(22,688,594)
3,313	*Contract Cost*	103,952,109	114,230,779	171,039,894	191,644,140	189,228,237	256,869,345	261,088,135	264,135,475	242,139,781	252,814,952
1,243	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	99,539,874	79,908,366	73,551,376	77,402,897	76,398,377	82,720,300
2,464	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,174,714	245,558,124	249,758,353	253,606,572	253,979,762	254,418,662	264,548,006
778	*Taxes*	41,579,442	48,477,171	78,339,187	98,753,410	93,598,430	82,781,047	73,374,441	69,088,254	62,939,654	62,448,405
1,948	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,288,520	227,874,297	213,617,773	202,532,628	186,651,683	167,153,240	158,559,219
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
11,356	*Total Revenue Requirement*	822,050,457	851,713,926	975,929,894	985,560,386	974,708,870	969,623,993	960,105,446	962,929,562	929,547,590	916,191,491

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
349,725,280	355,066,421	364,204,528	380,641,344	359,670,220	367,183,083	369,161,539	387,538,760	418,436,478	389,460,826
147,179,063	180,227,750	206,649,906	219,201,375	222,421,344	181,087,422	225,279,703	217,953,234	222,471,922	222,459,688
(58,501,563)	(88,081,094)	(108,046,609)	(105,938,781)	(148,487,969)	(94,732,422)	(131,471,141)	(104,178,828)	(51,239,313)	(80,595,688)
261,047,780	262,919,765	265,601,231	267,378,750	285,736,845	280,828,083	275,352,977	273,764,353	247,203,869	247,596,826
85,072,680	82,379,568	80,787,650	85,441,062	89,262,679	93,439,200	103,194,838	106,627,049	111,736,268	119,890,403
264,667,368	270,712,823	270,815,040	96,549,109	110,610,521	110,706,353	117,599,929	118,301,605	131,212,881	141,375,016
61,610,248	58,244,694	54,727,128	50,555,556	56,202,525	60,283,339	59,780,551	59,277,514	62,106,108	71,020,179
149,369,404	135,429,925	121,243,382	109,417,798	120,176,538	127,910,274	126,792,064	125,672,745	130,986,457	148,051,108
-	-	-	-	-	-	-	-	-	-
910,444,980	901,833,431	891,777,727	722,604,870	735,922,483	759,522,249	776,528,920	797,417,672	854,478,191	869,797,532

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
569,476,688	568,002,023	700,392,860	748,775,826	804,954,753	854,170,147	881,433,282	909,612,180	938,689,387	992,230,336
227,131,341	231,901,099	236,771,022	241,743,214	246,819,821	252,003,037	257,295,101	262,698,298	268,214,963	273,847,477
(82,288,197)	(84,016,249)	(85,780,590)	(87,581,983)	(89,421,204)	(91,299,050)	(93,216,330)	(95,173,873)	(97,172,524)	(99,213,147)
424,633,544	420,117,173	549,402,428	594,614,595	647,556,136	693,466,159	717,354,511	742,087,754	767,646,949	817,596,006
122,408,101	124,978,671	127,603,223	130,282,891	133,018,832	135,812,227	138,664,284	141,576,234	144,549,335	147,584,871
139,908,693	139,979,550	140,051,895	140,125,760	140,201,176	140,278,175	139,206,792	139,287,059	139,369,012	139,395,986
72,099,752	66,477,386	60,936,044	55,546,836	50,301,594	45,109,380	39,943,182	34,798,905	29,655,410	24,515,587
149,986,249	138,979,140	128,128,239	117,570,864	107,291,237	97,113,741	86,986,208	76,900,727	66,816,469	56,739,009
-	-	-	-	-	-	-	-	-	-
1,053,879,483	1,038,416,771	1,157,112,261	1,192,302,176	1,235,767,591	1,272,483,671	1,286,233,748	1,302,175,106	1,319,079,613	1,360,465,789

NIPSCO Replacement 3B

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
5,226	*Total Portfolio Cost*	338,214,551	322,326,830	316,256,601	273,970,960	285,778,451	341,609,162	358,650,689	380,002,214	377,013,294	378,579,597
2,302	*Total Owned Cost*	282,541,594	242,616,438	190,504,922	187,105,281	168,623,422	123,839,875	98,774,688	87,715,836	107,843,414	114,245,836
-145	*Net Market Purchases*	(48,279,152)	(34,520,387)	(45,288,215)	(104,778,461)	(72,097,902)	(23,938,828)	15,253,625	45,191,305	42,201,711	27,574,375
3,070	*Contract Cost*	103,952,109	114,230,779	171,039,894	191,644,140	189,252,931	241,708,115	244,622,376	247,095,074	226,968,169	236,759,386
1,168	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	99,539,874	79,908,366	67,366,226	71,087,859	69,950,724	75,264,856
2,395	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,174,714	245,558,124	249,758,353	251,124,234	251,497,425	251,936,324	259,924,965
722	*Taxes*	41,579,442	48,477,171	78,339,187	98,753,410	93,598,430	82,781,047	71,964,188	66,396,780	60,480,107	58,924,539
1,839	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,288,520	227,874,297	213,617,773	199,809,312	181,454,221	162,403,648	151,754,338
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
11,444	*Total Revenue Requirement*	822,050,457	851,713,926	975,929,894	985,560,386	974,760,368	990,283,029	971,552,693	972,890,661	939,679,027	927,716,005

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
389,713,155	405,856,257	426,748,041	451,267,942	435,590,630	442,227,729	445,324,083	468,152,040	499,901,802	489,942,652
146,741,516	179,278,406	205,411,359	217,995,094	221,194,938	179,839,422	224,014,828	216,667,344	221,166,094	220,589,344
(2,266,469)	(23,664,813)	(30,572,703)	(19,358,813)	(55,987,859)	(2,022,000)	(38,771,344)	(5,582,344)	50,097,156	42,968,250
245,238,108	250,242,663	251,909,384	252,631,661	270,383,552	264,410,307	260,080,599	257,067,040	228,638,552	226,385,058
77,460,672	72,803,176	71,010,154	75,458,239	79,070,216	83,032,696	92,569,796	95,778,882	100,660,289	106,482,175
260,044,328	260,277,076	260,379,292	86,113,362	100,174,774	100,270,606	107,164,181	107,865,858	120,492,254	125,023,479
57,033,256	50,497,766	43,927,440	40,201,707	46,261,174	50,737,833	50,630,891	50,523,700	53,581,600	59,438,922
140,530,849	120,469,959	100,388,281	89,423,650	100,978,957	109,477,104	109,123,305	108,768,397	114,524,920	125,686,732
-	-	-	-	-	-	-	-	-	-
924,782,259	909,904,233	902,453,207	742,464,900	762,075,750	785,745,967	804,812,257	831,088,876	889,160,866	906,573,960

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
629,394,776	628,822,066	738,638,043	787,151,144	843,488,680	907,768,743	936,445,557	966,013,231	996,534,323	1,045,359,172
225,221,720	229,951,376	234,780,355	239,710,742	244,744,668	249,884,306	255,131,876	260,489,646	265,959,928	271,545,087
43,870,583	44,791,865	45,732,495	46,692,877	47,673,427	48,674,569	49,696,735	50,740,367	51,805,915	52,893,839
360,302,472	354,078,825	458,125,193	500,747,525	551,070,584	609,209,868	631,616,945	654,783,218	678,768,480	720,920,246
108,718,301	111,001,385	113,332,414	115,712,395	118,142,355	120,623,345	123,156,435	125,742,720	128,383,317	131,079,367
123,557,155	123,628,013	123,700,358	123,774,223	123,849,638	123,926,638	122,855,254	122,935,522	123,017,475	123,044,449
57,747,537	52,759,523	47,852,532	43,097,676	38,486,786	33,928,924	29,397,077	24,887,152	20,378,009	15,872,538
122,270,921	112,488,798	102,862,883	93,530,494	84,475,853	75,523,344	66,620,798	57,760,303	48,901,031	40,048,557
-	-	-	-	-	-	-	-	-	-
1,041,688,689	1,028,699,785	1,126,386,230	1,163,265,932	1,208,443,313	1,261,770,994	1,278,475,121	1,297,338,927	1,317,214,154	1,355,404,082

NIPSCO Replacement 3C

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
4,850	*Total Portfolio Cost*	338,214,551	322,326,830	316,256,601	272,038,226	282,473,252	289,456,147	295,867,236	317,279,925	311,184,254	323,883,441
3,905	*Total Owned Cost*	282,541,594	242,616,438	190,504,922	187,105,281	168,623,422	192,160,391	212,581,797	205,442,703	229,721,000	244,409,703
-1,468	*Net Market Purchases*	(48,279,152)	(34,520,387)	(45,288,215)	(103,545,320)	(71,292,477)	(89,933,016)	(106,063,391)	(80,095,742)	(87,572,680)	(90,774,352)
2,413	*Contract Cost*	103,952,109	114,230,779	171,039,894	188,478,265	185,142,306	187,228,772	189,348,829	191,932,964	169,035,934	170,248,089
1,218	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	99,539,874	88,192,055	75,823,873	79,723,117	78,767,321	81,649,433
2,561	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,174,714	245,558,124	276,119,061	277,560,929	278,011,702	278,529,814	280,177,222
842	*Taxes*	41,579,442	48,477,171	78,339,187	98,753,410	93,598,430	98,174,851	102,110,718	95,281,600	88,142,483	81,646,390
2,072	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,288,520	227,874,297	243,344,497	258,024,783	237,233,224	215,822,009	195,632,134
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
11,637	*Total Revenue Requirement*	822,050,457	851,713,926	975,929,894	983,627,651	971,455,169	1,017,894,937	1,032,025,583	1,029,981,730	990,340,812	966,256,331

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
335,538,975	345,647,257	365,308,963	370,689,098	392,231,927	406,679,635	415,482,739	448,932,040	482,674,740	475,716,558
309,030,156	381,400,750	438,427,344	478,822,063	475,620,625	428,196,156	478,485,656	477,416,531	476,754,531	476,847,469
(145,047,539)	(209,200,906)	(248,460,672)	(284,787,609)	(263,794,250)	(186,407,516)	(227,201,203)	(191,004,875)	(128,431,672)	(136,318,063)
171,556,358	173,447,413	175,342,291	176,654,645	180,405,552	164,890,994	164,198,286	162,520,384	134,351,880	135,187,152
83,979,325	79,458,721	77,805,466	86,149,265	85,238,294	93,392,062	94,993,613	98,253,598	103,186,975	109,061,921
280,379,159	280,696,215	280,884,510	117,761,927	117,933,491	121,505,725	121,674,509	122,471,690	135,195,596	139,826,378
74,977,506	67,579,073	60,174,270	62,092,177	65,400,731	62,643,657	59,705,848	55,057,127	57,788,947	63,238,799
175,182,697	153,455,392	131,762,269	131,695,977	137,939,044	132,468,246	126,647,806	117,522,824	122,649,659	133,024,611
-	-	-	-	-	-	-	-	-	-
950,057,663	926,836,658	915,935,476	768,388,445	798,743,487	816,689,326	818,504,515	842,237,279	901,495,917	920,868,268

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
616,782,172	617,859,815	713,680,898	763,378,060	820,930,509	871,529,423	900,258,526	929,859,054	960,423,449	990,705,854
486,861,266	497,085,352	507,524,145	518,182,152	529,063,977	540,174,320	551,517,981	563,099,859	574,924,956	586,998,380
(139,180,742)	(142,103,537)	(145,087,712)	(148,134,554)	(151,245,379)	(154,421,532)	(157,664,384)	(160,975,336)	(164,355,819)	(167,807,291)
269,101,648	262,878,000	351,244,465	393,330,462	443,111,911	485,776,635	506,404,929	527,734,532	549,854,312	571,514,765
111,352,222	113,690,618	116,078,121	118,515,762	121,004,593	123,545,689	126,140,149	128,789,092	131,493,663	134,255,030
138,461,703	138,636,343	138,814,651	138,996,703	139,182,579	139,372,357	138,416,121	138,613,955	138,815,942	138,965,471
61,068,388	55,562,751	50,158,816	44,904,669	39,723,501	34,635,921	29,749,280	24,971,539	20,193,323	15,417,498
128,683,762	117,902,066	107,316,510	97,019,950	86,864,055	76,888,615	67,300,932	57,923,260	48,544,387	39,169,838
-	-	-	-	-	-	-	-	-	-
1,056,348,246	1,043,651,594	1,126,048,996	1,162,815,144	1,207,705,236	1,245,972,006	1,261,865,008	1,280,156,899	1,299,470,764	1,318,513,692

NIPSCO Replacement 3D

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
4,822	*Total Portfolio Cost*	338,214,551	322,326,830	316,256,601	272,038,226	282,514,112	316,606,541	325,770,088	348,293,482	349,285,367	341,574,101
2,308	*Total Owned Cost*	282,541,594	242,616,438	190,504,922	187,105,281	168,623,422	123,839,875	98,774,688	87,715,836	107,843,414	114,521,492
-896	*Net Market Purchases*	(48,279,152)	(34,520,387)	(45,288,215)	(103,545,320)	(71,319,281)	(72,887,289)	(39,551,516)	(13,219,047)	(13,526,875)	(37,723,031)
3,410	*Contract Cost*	103,952,109	114,230,779	171,039,894	188,478,265	185,209,972	265,653,955	266,546,916	273,796,693	254,968,828	264,775,640
1,250	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	99,539,874	79,908,366	73,551,376	77,402,897	76,398,377	82,720,300
2,460	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,174,714	245,558,124	249,758,353	253,606,572	253,979,762	254,418,662	264,548,006
773	*Taxes*	41,579,442	48,477,171	78,339,187	98,753,410	93,598,430	82,781,047	73,374,441	69,088,254	62,939,654	62,448,405
1,938	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,288,520	227,874,297	213,617,773	202,532,628	186,651,683	167,153,240	158,559,219
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
11,338	*Total Revenue Requirement*	822,050,457	851,713,926	975,929,894	983,627,651	971,496,030	965,280,407	951,473,149	957,868,242	928,090,230	913,117,741

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
347,200,186	360,890,640	350,871,653	344,703,125	337,955,064	352,425,802	364,569,274	390,815,447	421,832,869	392,985,373
147,179,063	179,705,453	206,583,109	219,603,469	222,329,172	180,671,422	224,858,078	217,524,609	222,036,641	222,016,797
(74,789,938)	(96,983,219)	(142,740,516)	(162,540,531)	(176,416,484)	(107,976,328)	(139,215,344)	(104,178,828)	(51,239,313)	(80,595,656)
274,811,061	278,168,406	287,029,059	287,640,188	292,042,377	279,730,708	278,926,539	277,469,666	251,035,541	251,564,232
85,072,680	80,575,036	81,705,955	94,676,758	96,793,341	101,128,006	102,892,012	106,317,863	111,420,590	119,568,095
264,667,368	264,900,116	273,198,184	105,601,729	114,465,986	114,561,818	114,637,062	115,338,738	128,250,014	138,412,149
61,610,248	54,846,618	52,839,400	57,317,240	63,272,249	63,700,385	58,934,695	54,609,042	57,807,054	66,967,480
149,369,404	128,867,956	117,598,021	122,475,175	133,828,766	134,508,875	125,158,646	116,657,534	122,684,624	140,225,006
-	-	-	-	-	-	-	-	-	-
907,919,887	890,080,365	876,213,213	724,774,027	746,315,406	766,324,886	766,191,689	783,738,625	841,995,150	858,158,103

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
572,991,936	571,507,776	727,408,776	776,586,345	833,567,582	883,607,468	911,697,298	940,741,514	970,692,105	1,025,122,442
226,679,150	231,439,412	236,299,639	241,261,932	246,328,432	251,501,329	256,782,857	262,175,297	267,680,979	273,302,279
(82,288,165)	(84,016,216)	(85,780,557)	(87,581,949)	(89,421,170)	(91,299,014)	(93,216,294)	(95,173,836)	(97,172,486)	(99,213,108)
428,600,951	424,084,581	576,889,694	622,906,362	676,660,319	723,405,153	748,130,735	773,740,052	800,183,613	851,033,272
122,079,025	124,642,685	127,260,181	129,932,645	132,661,231	135,447,116	138,291,506	141,195,627	144,160,736	147,188,111
136,945,826	137,016,683	137,089,028	137,162,893	137,238,309	137,315,308	136,243,925	136,324,192	136,406,145	136,433,119
68,250,361	62,884,274	57,643,950	52,510,021	47,428,479	42,354,226	37,305,989	32,279,673	27,254,139	22,232,277
142,552,754	132,040,539	121,770,930	111,706,521	101,743,012	91,793,309	81,893,568	72,035,879	62,179,413	52,329,746
-	-	-	-	-	-	-	-	-	-
1,042,819,902	1,028,091,957	1,171,172,865	1,207,898,426	1,252,638,613	1,290,517,428	1,305,432,286	1,322,576,886	1,340,692,538	1,383,305,696

NIPSCO Replacement 3E

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
4,831	*Total Portfolio Cost*	338,214,551	322,326,830	316,256,601	273,970,960	284,665,279	308,569,137	323,804,361	342,840,705	337,892,599	337,893,913
2,302	*Total Owned Cost*	282,541,594	242,616,438	190,504,922	187,105,281	168,623,422	123,839,875	98,774,688	87,715,836	107,843,414	114,245,836
-374	*Net Market Purchases*	(48,279,152)	(34,520,387)	(45,288,215)	(104,778,461)	(73,118,699)	(33,040,039)	1,488,617	28,701,680	26,025,852	10,491,695
2,904	*Contract Cost*	103,952,109	114,230,779	171,039,894	191,644,140	189,160,556	217,769,301	223,541,057	226,423,189	204,023,333	213,156,382
1,318	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	106,155,663	86,663,087	80,432,726	84,428,756	83,571,779	89,171,954
2,454	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,174,714	248,376,015	252,576,243	256,418,355	256,791,545	257,230,445	265,219,085
761	*Taxes*	41,579,442	48,477,171	78,339,187	98,753,410	95,199,315	85,836,344	76,162,990	71,661,232	65,337,065	63,433,826
1,915	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,288,520	230,965,740	219,517,808	207,917,549	191,620,319	171,782,840	160,462,149
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
11,373	*Total Revenue Requirement*	822,050,457	851,713,926	975,929,894	985,560,386	987,773,204	975,770,946	967,374,025	969,794,719	933,709,658	919,448,638

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
346,471,936	357,922,510	372,934,272	395,187,294	378,417,368	375,256,085	378,976,174	403,181,602	432,125,125	421,368,910
146,741,516	179,278,406	205,411,359	217,995,094	221,194,938	179,839,422	224,014,828	216,667,344	221,166,094	220,589,344
(19,340,922)	(40,720,359)	(53,843,016)	(45,722,922)	(83,777,422)	(37,585,063)	(76,454,484)	(43,612,578)	8,661,875	(2,919,344)
219,071,343	219,364,463	221,365,929	222,915,122	240,999,852	233,001,725	231,415,830	230,126,836	202,297,156	203,698,910
91,659,818	91,567,783	90,168,818	95,019,235	99,041,993	107,485,638	113,459,703	117,107,476	122,436,784	128,715,976
265,338,448	268,854,349	268,956,566	94,690,636	108,752,048	112,232,666	115,717,076	116,418,752	129,045,149	133,576,373
61,226,754	56,272,883	51,151,365	46,908,657	52,543,664	58,577,694	57,933,012	55,402,039	58,197,385	63,818,297
148,628,844	131,622,192	114,338,284	102,375,331	113,110,972	124,616,530	123,224,312	118,188,879	123,438,387	134,143,671
-	-	-	-	-	-	-	-	-	-
913,325,801	906,239,717	897,549,306	734,181,152	751,866,045	778,168,613	789,310,277	810,298,748	865,242,829	881,623,228

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
564,024,861	562,483,337	694,830,007	746,501,777	806,271,016	855,707,415	883,224,404	911,622,801	940,942,978	988,540,055
225,221,720	229,951,376	234,780,355	239,710,742	244,744,668	249,884,306	255,131,876	260,489,646	265,959,928	271,545,087
(2,980,650)	(3,043,244)	(3,107,152)	(3,172,402)	(3,239,022)	(3,307,042)	(3,376,490)	(3,447,396)	(3,519,791)	(3,593,707)
341,783,791	335,575,204	463,156,804	509,963,437	564,765,370	609,130,151	631,469,017	654,580,551	678,502,840	720,588,675
131,419,012	134,178,811	136,996,566	139,873,494	142,810,837	145,809,865	148,871,872	151,998,181	155,190,143	158,449,136
132,110,050	132,180,907	132,253,252	132,327,117	132,402,533	132,479,532	131,408,149	131,488,416	131,570,369	131,597,343
61,886,808	56,640,384	51,497,689	46,529,722	41,682,638	36,865,712	32,074,801	27,305,811	22,537,604	17,773,069
130,264,199	119,983,066	109,901,987	100,158,064	90,647,311	81,194,527	71,791,706	62,430,936	53,071,389	43,718,641
-	-	-	-	-	-	-	-	-	-
1,019,704,930	1,005,466,505	1,125,479,501	1,165,390,174	1,213,814,334	1,252,057,051	1,267,370,931	1,284,846,146	1,303,312,483	1,340,078,244

NIPSCO Replacement 3F

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
4,966	*Total Portfolio Cost*	338,214,551	322,326,830	316,256,601	273,970,960	285,686,076	309,396,569	324,350,181	345,009,652	342,337,294	344,069,933
2,332	*Total Owned Cost*	282,541,594	242,616,438	190,504,922	187,105,281	168,623,422	124,345,906	100,024,547	88,644,227	110,372,711	117,060,570
-90	*Net Market Purchases*	(48,279,152)	(34,520,387)	(45,288,215)	(104,778,461)	(72,097,902)	(17,612,672)	17,747,617	47,119,758	45,272,648	31,218,070
2,724	*Contract Cost*	103,952,109	114,230,779	171,039,894	191,644,140	189,160,556	202,663,334	206,578,017	209,245,667	186,691,934	195,791,292
1,262	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	99,539,874	83,969,685	77,697,997	81,636,598	80,720,985	86,261,293
2,463	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,174,714	245,558,124	255,708,270	259,590,933	259,999,284	260,474,083	268,499,376
771	*Taxes*	41,579,442	48,477,171	78,339,187	98,753,410	93,598,430	86,244,484	80,146,417	75,558,439	69,123,185	67,107,410
1,933	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,288,520	227,874,297	220,305,960	215,609,881	199,146,151	179,094,155	167,556,147
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
11,489	*Total Revenue Requirement*	822,050,457	851,713,926	975,929,894	985,560,386	974,667,993	978,233,296	980,033,454	983,802,285	949,644,632	936,761,870

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
356,168,811	376,640,741	398,448,744	423,959,005	410,678,864	415,787,682	419,158,614	440,293,587	470,923,849	458,642,777
151,011,391	185,904,438	211,795,656	224,049,438	229,116,672	187,371,250	231,308,484	222,336,484	226,042,500	223,466,828
3,472,781	(13,353,359)	(19,753,156)	(7,694,781)	(43,680,297)	8,497,172	(27,225,969)	4,504,344	59,575,391	48,802,813
201,684,640	204,089,663	206,406,244	207,604,348	225,242,489	219,919,260	215,076,099	213,452,759	185,305,958	186,373,136
88,688,034	84,266,313	82,714,017	87,407,883	91,270,803	95,489,494	105,288,188	108,764,359	113,918,462	120,018,770
268,656,162	268,927,118	269,068,345	94,842,245	108,944,323	109,081,675	116,017,643	116,762,602	129,433,191	134,009,534
64,800,144	57,870,373	50,907,932	46,805,882	52,521,594	56,670,357	56,234,708	55,797,981	58,525,501	64,051,579
155,529,359	134,707,080	113,868,194	102,176,863	113,068,352	120,933,305	119,944,744	118,953,477	124,072,006	134,594,158
-	-	-	-	-	-	-	-	-	-
933,842,510	922,411,624	915,007,231	755,191,877	776,483,936	797,962,513	816,643,898	840,572,006	896,873,009	911,316,818

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
598,274,934	597,889,020	707,895,714	756,603,538	813,139,886	862,704,917	890,368,351	918,895,005	948,356,239	996,099,671
228,159,632	232,950,984	237,842,954	242,837,656	247,937,247	253,143,929	258,459,952	263,887,611	269,429,251	275,087,265
49,827,672	50,874,053	51,942,408	53,033,198	54,146,895	55,283,980	56,444,944	57,630,288	58,840,524	60,076,175
320,287,631	314,063,983	418,110,352	460,732,683	511,055,743	554,277,008	575,463,455	597,377,107	620,086,464	660,936,231
122,539,164	125,112,486	127,739,848	130,422,385	133,161,255	135,957,642	138,812,752	141,727,820	144,704,104	147,742,890
132,589,278	132,707,170	132,827,537	132,950,432	133,075,908	133,204,019	132,184,821	132,318,369	132,454,722	132,537,238
62,054,318	56,812,119	51,676,274	46,691,626	41,849,987	37,060,510	32,296,393	27,553,640	22,811,100	18,071,651
130,587,676	120,314,700	110,246,849	100,470,714	90,970,476	81,570,700	72,219,619	62,909,514	53,599,532	44,295,228
-	-	-	-	-	-	-	-	-	-
1,046,045,370	1,032,835,495	1,130,386,224	1,167,138,696	1,212,197,512	1,250,497,789	1,265,881,936	1,283,404,348	1,301,925,697	1,338,746,678

NIPSCO Replacement 3G

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
4,412	*Total Portfolio Cost*	338,214,551	322,326,830	316,256,601	272,038,226	282,514,112	316,886,541	330,030,564	352,151,107	354,240,031	346,288,694
1,326	*Total Owned Cost*	282,541,594	242,616,438	190,504,922	187,105,281	168,623,422	123,839,875	79,513,359	70,144,695	90,872,875	98,819,133
-855	*Net Market Purchases*	(48,279,152)	(34,520,387)	(45,288,215)	(103,545,320)	(71,319,281)	(77,500,227)	(21,101,336)	2,640,719	2,523,109	(23,447,719)
3,941	*Contract Cost*	103,952,109	114,230,779	171,039,894	188,478,265	185,209,972	270,546,892	271,618,541	279,365,693	260,844,047	270,917,280
1,282	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	99,539,874	79,908,366	72,856,547	76,693,478	75,674,060	81,980,772
2,643	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,170,048	245,553,458	249,753,686	252,445,776	252,812,707	253,245,217	263,360,703
907	*Taxes*	41,579,442	48,477,171	78,339,187	98,750,685	93,593,101	82,775,957	72,925,541	68,220,414	62,120,770	61,672,271
2,235	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,283,257	227,864,006	213,607,944	201,665,765	184,975,810	165,571,905	157,060,440
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
11,573	*Total Revenue Requirement*	822,050,457	851,713,926	975,929,894	983,614,997	971,475,743	965,540,821	952,562,237	957,305,679	928,746,912	913,630,591

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
352,484,194	346,163,796	316,786,966	289,583,458	242,992,916	250,137,538	262,485,299	274,895,062	317,020,224	294,168,988
127,236,070	61,643,063	14,728,656	15,468,333	17,311,945	18,245,236	18,412,729	18,618,053	19,482,699	20,892,865
(55,787,594)	(43,983,297)	(56,480,781)	(103,500,344)	(177,304,875)	(170,412,125)	(152,145,813)	(138,923,031)	(72,837,250)	(99,714,938)
281,035,718	328,504,031	358,539,091	377,615,469	402,985,845	402,304,427	396,218,383	395,200,041	370,374,775	372,991,060
84,317,622	101,628,615	90,936,875	96,707,798	102,490,121	105,427,313	112,666,934	114,373,822	119,298,962	123,880,457
263,473,404	302,990,253	312,957,622	145,861,541	159,217,184	159,233,792	162,687,323	162,703,931	169,166,787	173,646,647
60,875,336	73,945,824	92,045,444	96,287,852	103,692,834	105,300,801	100,849,313	96,221,044	93,332,882	93,824,036
147,950,228	171,575,699	204,184,491	207,683,259	221,538,914	224,199,159	215,157,194	205,772,962	199,748,128	200,248,143
-	-	-	-	-	-	-	-	-	-
909,100,784	996,304,188	1,016,911,397	836,123,908	829,931,970	844,298,604	853,846,063	853,966,822	898,566,984	885,768,271

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
469,550,432	463,344,037	622,263,585	666,786,671	719,012,686	764,199,269	787,328,839	811,315,717	836,099,398	885,253,541
21,331,615	21,779,579	22,236,950	22,703,926	23,180,709	23,667,504	24,164,521	24,671,976	25,190,088	25,719,080
(101,808,951)	(103,946,939)	(106,129,825)	(108,358,551)	(110,634,081)	(112,957,396)	(115,329,502)	(117,751,421)	(120,224,201)	(122,748,909)
550,027,768	545,511,397	706,156,460	752,441,295	806,466,058	853,489,162	878,493,820	904,395,162	931,133,511	982,283,371
126,481,946	129,138,067	131,849,967	134,618,816	137,445,811	140,332,173	143,279,149	146,288,011	149,360,059	152,496,620
172,127,880	172,145,193	172,162,869	172,180,917	172,199,343	172,218,157	172,237,366	172,256,977	172,277,001	172,240,746
90,483,255	83,822,952	77,236,930	70,777,117	64,415,900	58,085,614	51,765,056	45,450,165	39,137,219	32,829,109
193,347,753	180,036,735	166,868,800	153,944,218	141,209,658	128,534,444	115,877,627	103,231,353	90,588,428	77,954,424
-	-	-	-	-	-	-	-	-	-
1,051,991,266	1,028,486,985	1,170,382,151	1,198,307,739	1,234,283,398	1,263,369,657	1,270,488,037	1,278,542,224	1,287,462,105	1,320,774,440

NIPSCO Replacement 3H

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
4,286	*Total Portfolio Cost*	338,214,551	322,326,830	316,256,601	272,038,226	282,364,942	307,132,799	322,899,733	339,313,075	332,883,853	325,164,185
1,314	*Total Owned Cost*	282,541,594	242,616,438	190,504,922	187,105,281	168,623,422	123,839,875	79,513,359	70,144,695	90,872,875	98,819,133
-420	*Net Market Purchases*	(48,279,152)	(34,520,387)	(45,288,215)	(103,545,320)	(73,067,563)	(61,242,063)	(5,547,945)	16,888,641	11,660,828	(15,233,445)
3,393	*Contract Cost*	103,952,109	114,230,779	171,039,894	188,478,265	186,809,082	244,534,987	248,934,319	252,279,740	230,350,150	241,578,497
1,405	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	106,155,663	86,663,087	79,737,898	83,719,336	82,847,462	89,304,815
2,628	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,170,048	248,371,348	252,571,577	255,257,558	255,624,490	256,057,000	266,172,486
882	*Taxes*	41,579,442	48,477,171	78,339,187	98,750,685	95,193,986	85,831,254	75,714,090	70,793,392	64,518,180	63,909,135
2,186	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,283,257	230,955,449	219,507,978	207,050,686	189,944,446	170,201,505	161,380,011
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
11,482	*Total Revenue Requirement*	822,050,457	851,713,926	975,929,894	983,614,997	985,452,580	974,315,022	963,298,009	961,846,902	924,402,930	909,198,342

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
328,014,015	305,622,133	294,793,092	302,549,314	268,906,447	257,539,746	264,300,119	279,503,790	304,779,311	288,087,832
127,236,070	61,120,770	13,144,063	12,718,750	14,041,546	14,917,226	15,039,720	15,188,993	16,533,908	18,235,496
(49,280,109)	(30,145,156)	(11,849,359)	(8,563,594)	(62,424,281)	(70,062,844)	(59,869,000)	(43,736,875)	7,858,500	(12,301,063)
250,058,054	274,646,520	293,498,388	298,394,157	317,289,182	312,685,364	309,129,399	308,051,672	280,386,903	282,153,399
91,795,470	120,260,803	107,199,607	110,497,287	116,569,190	123,863,801	131,490,588	133,592,773	140,978,108	146,014,865
266,285,187	308,556,170	308,628,109	132,172,558	146,201,398	149,602,793	153,056,323	153,072,931	165,668,129	170,147,988
62,951,574	77,328,043	90,617,735	83,084,084	85,457,206	89,729,626	87,412,420	82,855,184	83,750,150	88,076,685
151,959,618	178,107,046	201,427,467	182,185,678	186,324,391	194,129,917	189,209,430	179,962,367	181,243,070	189,149,528
-	-	-	-	-	-	-	-	-	-
901,005,864	989,874,195	1,002,666,011	810,488,922	803,458,632	814,865,883	825,468,881	828,987,044	876,418,768	881,476,898

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
433,562,354	427,488,537	556,705,010	602,065,744	655,427,672	748,659,770	772,991,416	798,181,401	824,204,962	874,627,682
18,618,442	19,009,429	19,408,627	19,816,208	20,232,348	20,657,228	21,091,029	21,533,941	21,986,154	22,447,863
(12,559,385)	(12,823,132)	(13,092,418)	(13,367,358)	(13,648,073)	(13,934,682)	(14,227,311)	(14,526,084)	(14,831,132)	(15,142,586)
427,503,297	421,302,240	550,388,801	595,616,894	648,843,397	741,937,225	766,127,697	791,173,544	817,049,940	867,322,405
149,081,177	152,211,882	155,408,332	158,671,906	162,004,017	165,406,101	168,879,629	172,426,101	176,047,049	179,744,037
168,629,222	168,646,534	168,664,211	168,682,258	168,700,685	168,719,498	168,738,707	168,758,319	168,778,343	168,742,087
84,946,981	78,497,756	72,145,517	65,964,951	59,905,685	53,877,351	47,858,745	41,845,806	35,834,811	29,828,653
182,656,746	169,753,337	157,036,856	144,651,522	132,500,056	120,407,937	108,334,213	96,271,034	84,211,203	72,160,293
-	-	-	-	-	-	-	-	-	-
1,018,876,480	996,598,046	1,109,959,926	1,140,036,381	1,178,538,115	1,257,070,657	1,266,802,710	1,277,482,661	1,289,076,368	1,325,102,752

NIPSCO Replacement 3I

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
4,900	*Total Portfolio Cost*	338,214,551	322,326,830	316,256,601	272,092,902	301,575,903	333,190,801	346,419,381	364,866,178	359,406,665	351,699,837
2,479	*Total Owned Cost*	282,541,594	242,616,438	190,504,922	187,105,281	168,623,422	132,831,344	101,928,891	90,477,523	111,428,656	116,174,047
-1,132	*Net Market Purchases*	(48,279,152)	(34,520,387)	(45,288,215)	(103,552,473)	(79,612,070)	(75,534,625)	(34,396,492)	(8,511,531)	(14,635,070)	(40,083,195)
3,553	*Contract Cost*	103,952,109	114,230,779	171,039,894	188,540,093	212,564,551	275,894,082	278,886,982	282,900,186	262,613,079	275,608,986
1,370	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	106,155,663	86,663,087	80,447,961	84,444,310	83,587,660	90,060,558
2,468	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,174,714	248,376,015	252,576,243	256,424,469	256,797,659	257,236,559	267,365,902
776	*Taxes*	41,579,442	48,477,171	78,339,187	98,753,410	95,199,315	85,836,344	76,166,463	71,667,862	65,343,123	64,690,866
1,943	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,288,520	230,965,740	219,517,808	207,924,257	191,633,120	171,794,539	162,889,599
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
11,550	*Total Revenue Requirement*	822,050,457	851,713,926	975,929,894	983,682,327	1,004,683,828	1,000,392,610	990,020,574	991,861,292	955,263,475	939,974,473

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
354,004,390	364,343,641	386,554,032	405,319,431	382,714,757	390,011,399	395,171,214	415,288,188	436,800,628	408,977,093
149,010,734	181,630,641	208,607,969	220,359,063	224,218,281	182,519,547	226,932,250	223,802,984	252,165,281	289,318,406
(80,649,680)	(109,654,625)	(127,891,750)	(126,788,219)	(174,627,859)	(123,732,234)	(160,317,234)	(134,626,828)	(114,094,781)	(177,643,703)
285,643,335	292,367,625	305,837,813	311,748,587	333,124,335	331,224,086	328,556,199	326,112,032	298,730,128	297,302,390
92,567,083	103,646,150	102,500,831	107,610,219	111,897,389	116,549,239	122,713,639	126,555,744	132,083,466	138,565,239
267,485,265	273,730,119	273,832,335	99,566,405	113,627,817	113,723,649	117,208,058	117,909,735	130,536,131	135,067,356
63,691,701	60,296,843	56,748,663	52,418,327	57,915,953	61,856,141	59,283,997	56,896,271	59,758,649	65,362,767
153,388,865	139,392,795	125,147,136	113,014,964	123,485,311	130,947,487	125,833,177	121,074,366	126,453,317	137,126,172
-	-	-	-	-	-	-	-	-	-
931,137,304	941,409,547	944,782,996	777,929,346	789,641,225	813,087,915	820,210,085	837,724,304	885,632,191	885,098,628

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
545,858,434	542,036,734	677,005,835	723,076,775	756,904,486	846,257,193	873,483,083	901,636,560	930,681,820	984,188,766
295,394,093	301,597,369	307,930,913	314,397,463	320,999,809	327,740,805	334,623,362	341,650,453	348,825,112	356,150,440
(181,374,221)	(185,183,080)	(189,071,924)	(193,042,435)	(197,096,326)	(201,235,349)	(205,461,291)	(209,775,978)	(214,181,274)	(218,679,080)
431,838,562	425,622,445	558,146,846	601,721,747	633,001,002	719,751,737	744,321,012	769,762,085	796,037,982	846,717,407
141,475,109	144,446,086	147,479,454	150,576,523	153,738,629	156,967,141	160,263,451	163,628,983	167,065,192	170,573,561
133,601,032	133,671,890	133,744,235	133,818,100	133,893,515	133,970,515	132,899,131	132,979,399	133,061,352	133,088,326
63,374,837	58,071,974	52,850,133	47,757,557	42,763,158	37,798,917	32,860,692	27,944,388	23,028,866	18,117,016
133,137,710	122,747,585	112,513,668	102,529,115	92,733,886	82,996,625	73,309,327	63,664,081	54,020,057	44,382,832
-	-	-	-	-	-	-	-	-	-
1,017,447,122	1,000,974,268	1,123,593,325	1,157,758,070	1,180,033,674	1,257,990,391	1,272,815,684	1,289,853,410	1,307,857,287	1,350,350,501

ECONOMY-WIDE DECARBONIZATION
NIPSCO Replacement 3A

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
5,538	*Total Portfolio Cost*	338,623,324	310,567,717	269,101,245	245,978,877	267,672,908	292,032,922	301,914,119	332,781,807	360,089,335	379,839,973
-475	*Total Owned Cost*	279,553,156	215,544,703	171,836,453	127,518,430	119,400,688	42,529,910	(21,992,721)	(88,101,047)	(125,357,383)	(171,691,906)
40	*Net Market Purchases*	(44,685,152)	(19,005,047)	(43,707,477)	(83,969,031)	(60,671,016)	(36,035,547)	3,668,602	42,804,836	49,493,934	43,063,625
1,356	*Contract Cost*	103,755,320	114,028,060	140,972,268	159,406,427	161,206,117	186,007,386	148,395,936	112,492,437	50,889,441	19,516,299
4,617	*Gross REC Purchase Cost*	-	-	-	43,023,051	47,737,119	99,531,172	171,842,302	265,585,582	385,063,343	488,951,956
1,243	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	99,539,874	79,908,366	73,551,376	77,402,897	76,398,377	82,720,300
2,450	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,174,714	245,558,124	249,758,353	253,606,572	253,979,762	254,418,662	264,548,006
766	*Taxes*	41,579,442	48,477,171	78,339,187	98,753,410	93,598,430	82,781,047	73,374,441	69,088,254	62,939,654	62,448,405
1,924	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,288,520	227,874,297	213,617,773	202,532,628	186,651,683	167,153,240	158,559,219
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
12,015	*Total Revenue Requirement*	822,459,230	839,954,813	928,774,538	957,568,302	956,654,825	940,706,788	927,617,180	942,356,566	938,894,198	951,383,614

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
403,876,616	425,441,305	459,794,058	508,626,835	504,011,449	514,324,165	544,471,721	600,851,028	665,061,717	674,308,692
(180,955,922)	(208,705,828)	(224,063,719)	(229,997,359)	(226,023,031)	(247,613,406)	(188,488,188)	(180,160,641)	(176,398,203)	(181,705,328)
34,498,938	36,112,727	43,693,344	49,519,875	18,256,523	47,740,555	7,621,695	22,189,742	46,003,547	36,506,766
7,117,338	(10,901,970)	(17,585,475)	(29,952,803)	(30,154,221)	(38,612,985)	(25,099,376)	(17,089,362)	935,813	17,173,360
543,216,262	608,936,376	657,749,908	719,057,123	741,932,178	752,810,002	750,437,589	775,911,288	794,520,560	802,333,895
85,072,680	82,379,568	80,787,650	85,441,062	89,262,679	93,439,200	103,194,838	106,627,049	111,736,268	119,890,403
264,667,368	269,696,285	269,798,501	95,532,571	106,962,533	107,058,365	113,951,940	114,653,617	127,564,893	137,727,028
61,610,248	57,650,432	53,559,095	49,428,507	53,578,128	56,214,640	55,858,927	55,502,966	58,478,635	67,539,782
149,369,404	134,282,354	118,987,812	107,241,371	115,108,607	120,053,275	119,219,080	118,383,777	123,981,504	141,330,170
-	-	-	-	-	-	-	-	-	-
964,596,316	969,449,943	982,927,116	846,270,346	868,923,395	891,089,645	936,696,506	996,018,436	1,086,823,016	1,140,796,075

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
844,273,887	821,749,544	930,602,575	958,494,267	993,856,668	1,022,491,850	1,031,943,067	1,041,811,297	1,051,992,954	1,083,292,643
(185,521,140)	(189,417,084)	(193,394,843)	(197,456,134)	(201,602,713)	(205,836,370)	(210,158,934)	(214,572,272)	(219,078,289)	(223,678,933)
37,273,408	38,056,149	38,855,328	39,671,290	40,504,387	41,354,980	42,223,434	43,110,126	44,015,439	44,939,763
190,187,725	170,776,584	282,808,194	313,945,216	352,621,100	384,639,346	397,544,673	410,939,548	424,721,910	459,697,919
802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895
122,408,101	124,978,671	127,603,223	130,282,891	133,018,832	135,812,227	138,664,284	141,576,234	144,549,335	147,584,871
136,260,704	136,331,562	136,403,907	136,477,772	136,553,187	136,630,187	135,558,803	135,639,071	135,721,024	135,747,998
68,766,430	63,291,140	57,896,873	52,654,740	47,556,574	42,511,436	37,492,313	32,495,111	27,498,692	22,505,944
143,549,326	132,826,231	122,259,345	111,985,985	101,990,373	92,096,893	82,253,375	72,451,909	62,651,665	52,858,220
-	-	-	-	-	-	-	-	-	-
1,315,258,448	1,279,177,148	1,374,765,923	1,389,895,655	1,412,975,635	1,429,542,592	1,425,911,842	1,423,973,622	1,422,413,669	1,441,989,677

NIPSCO Replacement 3B

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
5,997	*Total Portfolio Cost*	338,623,324	310,567,717	269,101,245	245,978,877	267,725,623	313,770,288	332,581,896	368,044,222	400,114,684	433,310,754
-380	*Total Owned Cost*	279,553,156	215,544,703	171,836,453	127,518,430	119,400,688	42,529,910	(21,992,721)	(88,101,047)	(125,357,383)	(168,734,016)
193	*Net Market Purchases*	(44,685,152)	(19,005,047)	(43,707,477)	(83,969,031)	(60,649,176)	(14,846,289)	27,750,789	67,396,938	67,429,125	63,894,160
1,567	*Contract Cost*	103,755,320	114,028,060	140,972,268	159,406,427	161,236,992	186,555,495	154,981,525	123,162,749	72,979,598	49,198,654
4,617	*Gross REC Purchase Cost*	-	-	-	43,023,051	47,737,119	99,531,172	171,842,302	265,585,582	385,063,343	488,951,956
1,168	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	99,539,874	79,908,366	67,366,226	71,087,859	69,950,724	75,264,856
2,385	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,174,714	245,558,124	249,758,353	251,124,234	251,497,425	251,936,324	259,924,965
714	*Taxes*	41,579,442	48,477,171	78,339,187	98,753,410	93,598,430	82,781,047	71,964,188	66,396,780	60,480,107	58,924,539
1,823	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,288,520	227,874,297	213,617,773	199,809,312	181,454,221	162,403,648	151,754,338
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
12,182	*Total Revenue Requirement*	822,459,230	839,954,813	928,774,538	957,568,302	956,707,540	962,444,155	945,483,900	960,932,669	962,780,417	982,447,163

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
464,298,738	503,067,339	547,515,719	600,307,676	594,727,361	604,556,861	632,602,307	688,449,864	752,444,999	772,403,136
(175,804,031)	(196,339,984)	(206,817,438)	(211,915,422)	(208,205,406)	(230,349,188)	(172,135,344)	(164,004,359)	(160,619,031)	(160,310,547)
53,024,578	59,406,762	71,497,320	75,666,238	38,439,273	70,020,195	24,104,680	30,405,164	52,909,523	49,470,727
43,861,930	31,064,186	25,085,928	17,499,737	22,561,316	12,075,851	30,195,382	46,137,771	65,633,946	80,909,062
543,216,262	608,936,376	657,749,908	719,057,123	741,932,178	752,810,002	750,437,589	775,911,288	794,520,560	802,333,895
77,460,672	72,803,176	71,010,154	75,458,239	79,070,216	83,032,696	92,569,796	95,778,882	100,660,289	106,482,175
260,044,328	260,277,076	260,379,292	86,113,362	97,543,323	97,639,155	104,532,731	105,234,407	117,860,804	122,392,028
57,033,256	50,497,766	43,927,440	40,201,707	44,722,842	47,714,217	47,713,366	47,712,267	50,876,259	56,839,673
140,530,849	120,469,959	100,388,281	89,423,650	98,008,310	103,638,247	103,489,320	103,339,285	109,300,680	120,667,364
-	-	-	-	-	-	-	-	-	-
999,367,842	1,007,115,316	1,023,220,886	891,504,634	914,072,053	936,581,175	980,907,521	1,040,514,705	1,131,143,031	1,178,784,376

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
902,745,494	879,969,340	966,623,395	993,818,516	1,028,497,300	1,051,731,077	1,062,051,342	1,072,795,198	1,083,879,151	1,110,758,145
(163,677,068)	(167,114,287)	(170,623,687)	(174,206,784)	(177,865,127)	(181,600,294)	(185,413,901)	(189,307,592)	(193,283,052)	(197,341,996)
50,509,612	51,570,314	52,653,290	53,759,009	54,887,949	56,040,595	57,217,448	58,419,014	59,645,814	60,898,376
213,579,056	193,179,419	282,259,897	311,932,396	349,140,584	374,956,882	387,913,900	401,349,881	415,182,494	444,867,871
802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895
108,718,301	111,001,385	113,332,414	115,712,395	118,142,355	120,623,345	123,156,435	125,742,720	128,383,317	131,079,367
120,925,705	120,996,562	121,068,908	121,142,772	121,218,188	121,295,188	120,223,804	120,304,071	120,386,024	120,412,999
55,254,379	50,372,457	45,571,558	40,922,793	36,417,995	31,966,225	27,540,470	23,136,637	18,733,586	14,334,206
117,456,425	107,879,174	98,458,131	89,330,615	80,480,846	71,733,209	63,035,535	54,379,912	45,725,512	37,077,911
-	-	-	-	-	-	-	-	-	-
1,305,100,304	1,270,218,919	1,345,054,406	1,360,927,092	1,384,756,685	1,397,349,044	1,396,007,586	1,396,358,539	1,397,107,590	1,413,662,628

NIPSCO Replacement 3C

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
5,760	*Total Portfolio Cost*	338,623,324	310,567,717	269,101,245	244,570,338	265,604,299	260,185,113	270,778,288	309,471,320	341,445,717	398,087,709
801	*Total Owned Cost*	279,553,156	215,544,703	171,836,453	127,518,430	119,400,688	105,139,828	76,787,938	2,940,708	(36,239,527)	(64,852,184)
-731	*Net Market Purchases*	(44,685,152)	(19,005,047)	(43,707,477)	(82,284,180)	(58,765,219)	(73,986,539)	(78,126,734)	(29,634,953)	(25,505,656)	(23,844,266)
1,072	*Contract Cost*	103,755,320	114,028,060	140,972,268	156,313,037	157,231,711	129,500,651	100,274,783	70,579,984	18,127,557	(2,167,798)
4,617	*Gross REC Purchase Cost*	-	-	-	43,023,051	47,737,119	99,531,172	171,842,302	265,585,582	385,063,343	488,951,956
1,218	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	99,539,874	88,192,055	75,823,873	79,723,117	78,767,321	81,649,433
2,553	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,174,714	245,558,124	276,119,061	277,560,929	278,011,702	278,529,814	280,177,222
835	*Taxes*	41,579,442	48,477,171	78,339,187	98,753,410	93,598,430	98,174,851	102,110,718	95,281,600	88,142,483	81,646,390
2,058	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,288,520	227,874,297	243,344,497	258,024,783	237,233,224	215,822,009	195,632,134
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
12,518	*Total Revenue Requirement*	822,459,230	839,954,813	928,774,538	956,159,763	954,586,216	988,623,903	1,006,936,635	1,022,173,125	1,020,602,275	1,040,460,599

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
439,198,092	479,390,662	526,462,610	554,918,768	578,539,804	607,644,640	632,010,816	686,167,296	746,739,828	763,609,884
(51,017,168)	(67,864,211)	(77,515,516)	(82,874,492)	(56,259,234)	(62,004,469)	14,989,354	32,746,477	40,368,855	45,532,043
(43,451,535)	(40,385,832)	(28,325,445)	(48,383,582)	(80,288,063)	(47,138,039)	(109,620,680)	(104,939,914)	(85,787,309)	(92,789,887)
(9,549,467)	(21,295,671)	(25,446,337)	(32,880,281)	(26,845,077)	(36,022,854)	(23,795,448)	(17,550,555)	(2,362,279)	8,533,833
543,216,262	608,936,376	657,749,908	719,057,123	741,932,178	752,810,002	750,437,589	775,911,288	794,520,560	802,333,895
83,979,325	79,458,721	77,805,466	86,149,265	85,238,294	93,392,062	94,993,613	98,253,598	103,186,975	109,061,921
280,379,159	280,696,215	280,884,510	115,680,899	115,852,463	119,424,697	119,593,481	120,390,662	133,114,568	137,745,350
74,977,506	67,579,073	60,174,270	60,875,619	63,009,566	60,336,393	57,482,484	52,917,664	55,733,384	61,267,137
175,182,697	153,455,392	131,762,269	129,346,703	133,321,504	128,012,726	122,354,305	113,391,342	118,680,195	129,217,167
-	-	-	-	-	-	-	-	-	-
1,053,716,779	1,060,580,063	1,077,089,124	946,971,254	975,961,632	1,008,810,518	1,026,434,698	1,071,120,561	1,157,454,951	1,200,901,459

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
895,287,458	873,874,566	947,284,254	975,617,528	1,011,464,494	1,040,577,152	1,050,545,146	1,060,892,533	1,071,597,803	1,082,064,231
46,488,216	47,464,468	48,461,222	49,478,908	50,517,965	51,578,842	52,661,998	53,767,900	54,897,026	56,049,863
(94,738,474)	(96,727,982)	(98,759,270)	(100,833,215)	(102,950,712)	(105,112,677)	(107,320,043)	(109,573,764)	(111,874,813)	(114,224,184)
141,203,822	120,804,185	195,248,407	224,637,940	261,563,347	291,777,092	302,869,296	314,364,502	326,241,695	337,904,658
802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895
111,352,222	113,690,618	116,078,121	118,515,762	121,004,593	123,545,689	126,140,149	128,789,092	131,493,663	134,255,030
136,380,675	136,555,315	136,733,623	136,915,675	137,101,551	137,291,329	136,335,093	136,532,926	136,734,914	136,884,443
59,180,626	53,758,890	48,438,855	43,268,609	38,171,342	33,167,662	28,364,922	23,671,080	18,976,766	14,284,841
125,038,336	114,418,659	103,995,122	93,860,581	83,866,705	74,053,284	64,627,619	55,411,967	46,195,113	36,982,582
-	-	-	-	-	-	-	-	-	-
1,327,239,317	1,292,298,049	1,352,529,976	1,368,178,155	1,391,608,684	1,408,635,116	1,406,012,929	1,405,297,598	1,404,998,257	1,404,471,128

NIPSCO Replacement 3D

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
5,509	*Total Portfolio Cost*	338,623,324	310,567,717	269,101,245	244,570,338	265,643,947	286,859,703	292,888,658	323,865,784	350,295,702	369,266,388
-456	*Total Owned Cost*	279,553,156	215,544,703	171,836,453	127,518,430	119,400,688	42,529,910	(21,992,721)	(88,101,047)	(125,357,383)	(171,691,906)
-10	*Net Market Purchases*	(44,685,152)	(19,005,047)	(43,707,477)	(82,284,180)	(58,787,070)	(45,042,453)	(5,385,813)	34,138,414	42,135,008	35,999,719
1,357	*Contract Cost*	103,755,320	114,028,060	140,972,268	156,313,037	157,293,211	189,841,074	148,424,889	112,242,835	48,454,734	16,006,620
4,617	*Gross REC Purchase Cost*	-	-	-	43,023,051	47,737,119	99,531,172	171,842,302	265,585,582	385,063,343	488,951,956
1,250	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	99,539,874	79,908,366	73,551,376	77,402,897	76,398,377	82,720,300
2,443	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,174,714	245,558,124	249,758,353	253,606,572	253,979,762	254,418,662	264,548,006
759	*Taxes*	41,579,442	48,477,171	78,339,187	98,753,410	93,598,430	82,781,047	73,374,441	69,088,254	62,939,654	62,448,405
1,911	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,288,520	227,874,297	213,617,773	202,532,628	186,651,683	167,153,240	158,559,219
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
11,965	*Total Revenue Requirement*	822,459,230	839,954,813	928,774,538	956,159,763	954,625,864	935,533,569	918,591,719	933,440,543	929,100,565	940,810,029

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
392,412,420	424,402,744	435,672,800	457,053,550	477,590,716	506,407,399	545,111,728	605,983,086	670,301,106	679,669,612
(180,955,922)	(201,902,641)	(223,133,531)	(236,024,672)	(224,683,969)	(241,858,672)	(183,037,234)	(174,775,219)	(171,138,484)	(176,639,078)
27,439,984	33,377,227	29,797,984	24,937,461	3,568,891	39,722,789	3,245,773	22,189,734	46,003,539	36,506,766
2,712,096	(16,008,218)	(28,741,561)	(50,916,362)	(43,226,383)	(44,266,719)	(25,534,400)	(17,342,718)	915,491	17,468,030
543,216,262	608,936,376	657,749,908	719,057,123	741,932,178	752,810,002	750,437,589	775,911,288	794,520,560	802,333,895
85,072,680	80,575,036	81,705,955	94,676,758	96,793,341	101,128,006	102,892,012	106,317,863	111,420,590	119,568,095
264,667,368	264,900,116	271,655,436	102,803,550	110,014,645	110,110,477	110,185,720	110,887,397	123,798,673	133,960,808
61,610,248	54,846,618	51,937,518	54,831,346	59,234,153	58,908,679	54,366,476	50,248,144	53,646,738	63,007,745
149,369,404	128,867,956	115,856,411	117,674,706	126,030,864	125,255,691	116,337,032	108,236,277	114,650,705	132,578,427
-	-	-	-	-	-	-	-	-	-
953,132,121	953,592,469	956,828,119	827,039,910	869,663,719	901,810,251	928,892,968	981,672,767	1,073,817,811	1,128,784,687

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
849,741,198	827,325,480	958,243,802	986,673,180	1,022,575,366	1,051,766,375	1,061,777,109	1,072,229,826	1,082,998,863	1,114,899,099
(180,348,499)	(184,135,817)	(188,002,669)	(191,950,725)	(195,981,691)	(200,097,306)	(204,299,350)	(208,589,636)	(212,970,018)	(217,442,389)
37,273,408	38,056,149	38,855,328	39,671,290	40,504,387	41,354,980	42,223,434	43,110,126	44,015,439	44,939,763
190,482,394	171,071,253	305,057,248	336,618,721	375,718,774	408,174,807	421,519,130	435,375,441	449,619,547	485,067,830
802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895
122,079,025	124,642,685	127,260,181	129,932,645	132,661,231	135,447,116	138,291,506	141,195,627	144,160,736	147,188,111
132,494,484	132,565,342	132,637,687	132,711,552	132,786,967	132,863,967	131,792,583	131,872,851	131,954,804	131,981,778
64,482,786	59,291,996	54,218,547	49,251,495	44,336,828	39,429,451	34,548,089	29,688,649	24,829,990	19,975,004
135,277,251	125,103,550	115,156,191	105,414,034	95,772,775	86,145,323	76,567,833	67,032,395	57,498,180	47,970,763
-	-	-	-	-	-	-	-	-	-
1,304,074,744	1,268,929,053	1,387,516,408	1,403,982,905	1,428,133,167	1,445,652,232	1,442,977,121	1,442,019,348	1,441,442,572	1,462,014,755

NIPSCO Replacement 3E

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
5,626	*Total Portfolio Cost*	338,623,324	310,567,717	269,101,245	245,978,877	264,331,959	280,818,645	293,374,090	325,792,172	353,584,784	383,901,137
-380	*Total Owned Cost*	279,553,156	215,544,703	171,836,453	127,518,430	119,400,688	42,529,910	(21,992,721)	(88,101,047)	(125,357,383)	(168,734,016)
210	*Net Market Purchases*	(44,685,152)	(19,005,047)	(43,707,477)	(83,969,031)	(61,995,371)	(16,945,953)	20,567,484	57,045,613	58,820,363	55,159,039
1,179	*Contract Cost*	103,755,320	114,028,060	140,972,268	159,406,427	159,189,523	155,703,516	122,957,024	91,262,024	35,058,460	8,524,157
4,617	*Gross REC Purchase Cost*	-	-	-	43,023,051	47,737,119	99,531,172	171,842,302	265,585,582	385,063,343	488,951,956
1,318	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	106,155,663	86,663,087	80,432,726	84,428,756	83,571,779	89,171,954
2,442	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,174,714	248,376,015	252,576,243	256,418,355	256,791,545	257,230,445	265,219,085
751	*Taxes*	41,579,442	48,477,171	78,339,187	98,753,410	95,199,315	85,836,344	76,162,990	71,661,232	65,337,065	63,433,826
1,896	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,288,520	230,965,740	219,517,808	207,917,549	191,620,319	171,782,840	160,462,149
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
12,126	*Total Revenue Requirement*	822,459,230	839,954,813	928,774,538	957,568,302	967,439,884	948,020,454	936,943,754	952,746,186	949,401,842	965,455,861

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
414,010,841	444,294,943	484,814,034	536,622,761	533,219,609	538,165,580	572,611,030	632,112,255	696,690,931	718,614,798
(175,804,031)	(196,339,984)	(206,817,438)	(211,915,422)	(208,205,406)	(230,349,188)	(172,135,344)	(164,004,359)	(160,619,031)	(160,310,547)
47,968,266	52,009,402	59,135,953	65,176,867	35,666,180	65,229,734	27,964,164	46,175,328	71,398,250	70,380,977
(1,369,655)	(20,310,851)	(25,254,390)	(35,695,807)	(36,173,342)	(49,524,968)	(33,655,380)	(25,970,002)	(8,608,848)	6,210,474
543,216,262	608,936,376	657,749,908	719,057,123	741,932,178	752,810,002	750,437,589	775,911,288	794,520,560	802,333,895
91,659,818	91,567,783	90,168,818	95,019,235	99,041,993	107,485,638	113,459,703	117,107,476	122,436,784	128,715,976
265,338,448	268,236,344	268,338,561	94,072,630	105,502,592	108,983,210	112,467,620	113,169,296	125,795,693	130,326,917
61,226,754	55,921,785	50,481,293	46,296,326	50,439,588	55,026,962	54,523,684	52,134,113	55,066,717	60,816,586
148,628,844	130,944,193	113,044,319	101,192,868	109,047,825	117,759,770	116,640,613	111,878,241	117,392,805	128,347,115
-	-	-	-	-	-	-	-	-	-
980,864,705	990,965,047	1,006,847,025	873,203,820	897,251,608	927,421,160	969,702,649	1,026,401,382	1,117,382,930	1,166,821,393

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
853,577,957	831,265,439	940,347,247	969,997,150	1,007,350,594	1,036,429,707	1,046,350,146	1,056,671,012	1,067,333,570	1,093,781,391
(163,677,068)	(167,114,287)	(170,623,687)	(174,206,784)	(177,865,127)	(181,600,294)	(185,413,901)	(189,307,592)	(193,283,052)	(197,341,996)
71,858,977	73,368,016	74,908,744	76,481,828	78,087,946	79,727,793	81,402,076	83,111,520	84,856,862	86,638,856
143,062,154	122,677,815	233,728,295	265,388,212	304,793,880	335,968,314	348,028,075	360,533,189	373,425,865	402,150,636
802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895
131,419,012	134,178,811	136,996,566	139,873,494	142,810,837	145,809,865	148,871,872	151,998,181	155,190,143	158,449,136
128,860,594	128,931,451	129,003,797	129,077,661	129,153,077	129,230,076	128,158,693	128,238,960	128,320,913	128,347,887
59,009,907	53,888,295	48,870,411	44,027,255	39,304,981	34,612,866	29,946,766	25,302,588	20,659,191	16,019,467
124,708,664	114,668,550	104,828,492	95,325,590	86,055,857	76,844,094	67,682,293	58,562,544	49,444,017	40,332,290
-	-	-	-	-	-	-	-	-	-
1,297,576,134	1,262,932,546	1,360,046,512	1,378,301,149	1,404,675,347	1,422,926,608	1,421,009,770	1,420,773,285	1,420,947,835	1,436,930,172

NIPSCO Replacement 3F

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
5,753	*Total Portfolio Cost*	338,623,324	310,567,717	269,101,245	245,978,877	267,633,248	282,062,195	298,169,142	334,696,097	367,002,949	400,305,436
-304	*Total Owned Cost*	279,553,156	215,544,703	171,836,453	127,518,430	119,400,688	44,285,684	(19,238,803)	(85,714,867)	(121,168,828)	(163,842,266)
313	*Net Market Purchases*	(44,685,152)	(19,005,047)	(43,707,477)	(83,969,031)	(60,649,176)	(5,629,219)	32,148,281	70,201,180	71,924,762	68,842,070
1,125	*Contract Cost*	103,755,320	114,028,060	140,972,268	159,406,427	161,144,617	143,874,558	113,417,361	84,624,202	31,183,673	6,353,676
4,617	*Gross REC Purchase Cost*	-	-	-	43,023,051	47,737,119	99,531,172	171,842,302	265,585,582	385,063,343	488,951,956
1,262	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	99,539,874	83,969,685	77,697,997	81,636,598	80,720,985	86,261,293
2,454	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,174,714	245,558,124	255,708,270	259,590,933	259,999,284	260,474,083	268,499,376
762	*Taxes*	41,579,442	48,477,171	78,339,187	98,753,410	93,598,430	86,244,484	80,146,417	75,558,439	69,123,185	67,107,410
1,918	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,288,520	227,874,297	220,305,960	215,609,881	199,146,151	179,094,155	167,556,147
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
12,243	*Total Revenue Requirement*	822,459,230	839,954,813	928,774,538	957,568,302	956,615,165	950,898,922	953,852,415	973,488,730	974,310,287	992,997,373

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
431,800,785	470,160,007	513,714,461	566,745,422	562,440,095	572,264,499	601,737,178	658,757,116	722,915,278	743,479,663
(169,610,641)	(189,959,453)	(201,198,672)	(205,536,516)	(199,188,344)	(221,110,250)	(159,323,609)	(147,923,234)	(142,802,359)	(142,451,266)
61,207,504	67,607,602	78,498,867	84,595,344	52,343,914	83,424,719	43,036,141	56,082,734	79,920,977	78,497,547
(3,012,340)	(16,424,517)	(21,335,642)	(31,370,529)	(32,647,653)	(42,859,971)	(32,412,943)	(25,313,672)	(8,723,899)	5,099,487
543,216,262	608,936,376	657,749,908	719,057,123	741,932,178	752,810,002	750,437,589	775,911,288	794,520,560	802,333,895
88,688,034	84,266,313	82,714,017	87,407,883	91,270,803	95,489,494	105,288,188	108,764,359	113,918,462	120,018,770
268,656,162	268,927,118	269,068,345	94,842,245	106,312,873	106,450,225	113,386,193	114,131,152	126,801,740	131,378,084
64,800,144	57,870,373	50,907,932	46,805,882	50,983,263	53,646,741	53,317,183	52,986,548	55,820,160	61,452,330
155,529,359	134,707,080	113,868,194	102,176,863	110,097,706	115,094,448	114,310,760	113,524,364	118,847,766	129,574,790
-	-	-	-	-	-	-	-	-	-
1,009,474,483	1,015,930,891	1,030,272,949	897,978,294	921,104,739	942,945,407	988,039,502	1,048,163,540	1,138,303,406	1,185,903,636

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
874,806,625	853,035,757	940,716,207	968,959,279	1,004,708,020	1,033,723,529	1,043,587,011	1,053,836,504	1,064,435,572	1,090,817,737
(145,442,742)	(148,497,040)	(151,615,478)	(154,799,403)	(158,050,190)	(161,369,244)	(164,757,998)	(168,217,916)	(171,750,492)	(175,357,253)
80,145,995	81,829,061	83,547,472	85,301,968	87,093,310	88,922,269	90,789,637	92,696,219	94,642,840	96,630,340
137,769,478	117,369,841	206,450,318	236,122,818	273,331,006	303,836,609	315,221,477	327,024,306	339,209,329	367,210,755
802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895
122,539,164	125,112,486	127,739,848	130,422,385	133,161,255	135,957,642	138,812,752	141,727,820	144,704,104	147,742,890
129,957,828	130,075,719	130,196,087	130,318,982	130,444,458	130,572,569	129,553,370	129,686,919	129,823,271	129,905,787
59,561,161	54,425,053	49,395,300	44,516,744	39,781,197	35,097,812	30,439,786	25,803,125	21,166,677	16,533,320
125,773,180	115,705,077	105,842,098	96,270,834	86,975,469	77,780,565	68,634,356	59,529,123	50,424,014	41,324,582
-	-	-	-	-	-	-	-	-	-
1,312,637,958	1,278,354,092	1,353,889,541	1,370,488,224	1,395,070,399	1,413,132,116	1,411,027,276	1,410,583,491	1,410,553,638	1,426,324,316

NIPSCO Replacement 3G

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
4,847	*Total Portfolio Cost*	338,623,324	310,567,717	269,101,245	244,570,338	265,643,947	286,716,453	295,412,891	325,105,745	351,951,178	370,691,504
-1,474	*Total Owned Cost*	279,553,156	215,544,703	171,836,453	127,518,430	119,400,688	42,529,910	(33,247,832)	(97,408,992)	(136,942,813)	(182,912,969)
361	*Net Market Purchases*	(44,685,152)	(19,005,047)	(43,707,477)	(82,284,180)	(58,787,070)	(48,550,219)	5,788,359	42,647,641	54,139,648	47,875,234
1,343	*Contract Cost*	103,755,320	114,028,060	140,972,268	156,313,037	157,293,211	193,205,589	151,030,061	114,281,515	49,690,999	16,777,282
4,617	*Gross REC Purchase Cost*	-	-	-	43,023,051	47,737,119	99,531,172	171,842,302	265,585,582	385,063,343	488,951,956
1,282	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	99,539,874	79,908,366	72,856,547	76,693,478	75,674,060	81,980,772
2,585	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,170,048	245,553,458	249,753,686	252,445,776	252,812,707	253,245,217	263,360,703
859	*Taxes*	41,579,442	48,477,171	78,339,187	98,750,685	93,593,101	82,775,957	72,925,541	68,220,414	62,120,770	61,672,271
2,142	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,283,257	227,864,006	213,607,944	201,665,765	184,975,810	165,571,905	157,060,440
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
11,809	*Total Revenue Requirement*	822,459,230	839,954,813	928,774,538	956,147,109	954,605,578	935,370,733	917,944,564	930,260,316	926,458,059	938,033,400

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
394,340,027	363,028,364	325,400,439	324,908,058	309,725,052	317,682,149	368,520,260	429,412,848	510,770,634	544,200,785
(193,656,141)	(304,760,375)	(377,350,250)	(412,708,313)	(433,346,750)	(432,163,313)	(410,805,563)	(406,556,313)	(405,230,438)	(402,412,094)
41,514,867	72,397,938	79,776,039	74,382,156	58,664,578	56,779,219	68,571,250	90,146,859	130,352,922	130,262,953
3,265,039	(13,545,574)	(34,775,258)	(55,822,909)	(57,524,954)	(59,743,759)	(39,683,017)	(30,088,987)	(8,872,411)	14,016,031
543,216,262	608,936,376	657,749,908	719,057,123	741,932,178	752,810,002	750,437,589	775,911,288	794,520,560	802,333,895
84,317,622	101,628,615	90,936,875	96,707,798	102,490,121	105,427,313	112,666,934	114,373,822	119,298,962	123,880,457
263,473,404	295,734,494	303,839,194	134,981,330	145,832,243	145,848,851	149,302,381	149,318,989	155,781,846	160,261,705
60,875,336	69,734,701	82,739,553	85,291,680	90,670,634	91,344,638	87,463,974	83,406,530	81,076,756	82,101,394
147,950,228	163,443,668	186,214,039	186,448,731	196,391,957	197,248,640	189,308,985	181,027,063	176,080,522	177,610,742
-	-	-	-	-	-	-	-	-	-
950,956,617	993,569,843	989,130,100	828,337,596	845,110,007	857,551,591	907,262,534	957,539,253	1,043,008,719	1,088,055,083

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
711,500,020	686,253,729	821,600,163	847,220,320	880,251,226	906,512,228	913,528,764	920,928,810	928,577,944	957,293,037
(410,862,748)	(419,490,865)	(428,300,174)	(437,294,477)	(446,477,661)	(455,853,692)	(465,426,620)	(475,200,579)	(485,179,791)	(495,368,566)
132,998,475	135,791,443	138,643,063	141,554,568	144,527,214	147,562,285	150,661,093	153,824,976	157,055,301	160,353,462
187,030,398	167,619,257	308,923,379	340,626,335	379,867,779	412,469,741	425,960,396	439,970,518	454,368,539	489,974,247
802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895
126,481,946	129,138,067	131,849,967	134,618,816	137,445,811	140,332,173	143,279,149	146,288,011	149,360,059	152,496,620
158,742,939	158,760,251	158,777,928	158,795,975	158,814,402	158,833,215	158,852,424	158,872,036	158,892,060	158,855,804
79,281,662	73,142,407	67,077,433	61,138,669	55,298,500	49,489,261	43,689,752	37,895,909	32,104,012	26,316,949
171,716,539	159,411,710	147,249,961	135,331,568	123,603,195	111,934,169	100,283,540	88,643,454	77,006,716	65,378,900
-	-	-	-	-	-	-	-	-	-
1,247,723,105	1,206,706,164	1,326,555,452	1,337,105,347	1,355,413,133	1,367,101,047	1,359,633,628	1,352,628,219	1,345,940,790	1,360,341,310

NIPSCO Replacement 3H

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
4,969	*Total Portfolio Cost*	338,623,324	310,567,717	269,101,245	244,570,338	261,549,219	276,555,768	285,258,866	311,978,837	333,611,443	350,772,451
-1,315	*Total Owned Cost*	279,553,156	215,544,703	171,836,453	127,518,430	119,400,688	42,529,910	(33,247,832)	(97,408,992)	(136,942,813)	(182,912,969)
494	*Net Market Purchases*	(44,685,152)	(19,005,047)	(43,707,477)	(82,284,180)	(61,106,152)	(38,822,211)	12,769,172	45,614,473	49,501,840	40,595,762
1,172	*Contract Cost*	103,755,320	114,028,060	140,972,268	156,313,037	155,517,565	173,316,896	133,895,223	98,187,775	35,989,072	4,137,702
4,617	*Gross REC Purchase Cost*	-	-	-	43,023,051	47,737,119	99,531,172	171,842,302	265,585,582	385,063,343	488,951,956
1,405	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	106,155,663	86,663,087	79,737,898	83,719,336	82,847,462	89,304,815
2,583	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,170,048	248,371,348	252,571,577	255,257,558	255,624,490	256,057,000	266,172,486
845	*Taxes*	41,579,442	48,477,171	78,339,187	98,750,685	95,193,986	85,831,254	75,714,090	70,793,392	64,518,180	63,909,135
2,116	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,283,257	230,955,449	219,507,978	207,050,686	189,944,446	170,201,505	161,380,011
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
12,011	*Total Revenue Requirement*	822,459,230	839,954,813	928,774,538	956,147,109	964,636,858	943,737,991	925,657,142	934,512,663	925,130,519	934,806,609

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
373,250,807	342,408,630	338,376,818	385,252,743	385,849,898	388,588,667	437,693,293	499,898,011	569,204,507	595,453,968
(193,656,141)	(297,957,188)	(355,285,375)	(371,492,375)	(385,833,063)	(386,125,406)	(367,197,938)	(363,472,906)	(369,598,250)	(372,014,688)
32,257,672	65,396,883	82,441,148	95,162,703	87,095,727	86,850,953	102,514,375	126,665,609	164,110,781	166,548,734
(8,566,986)	(33,967,442)	(46,528,863)	(57,474,708)	(57,344,944)	(64,946,881)	(48,060,734)	(39,205,981)	(19,828,584)	(1,413,974)
543,216,262	608,936,376	657,749,908	719,057,123	741,932,178	752,810,002	750,437,589	775,911,288	794,520,560	802,333,895
91,795,470	120,260,803	107,199,607	110,497,287	116,569,190	123,863,801	131,490,588	133,592,773	140,978,108	146,014,865
266,285,187	300,781,986	300,853,925	124,398,374	135,795,764	139,197,158	142,650,689	142,667,297	155,262,494	159,742,354
62,951,574	72,844,405	81,925,169	74,901,898	76,180,141	79,362,989	77,527,677	73,452,335	74,804,321	79,538,071
151,959,618	169,448,766	184,641,395	166,385,192	168,409,604	174,111,074	170,121,165	161,804,679	163,967,926	172,660,750
-	-	-	-	-	-	-	-	-	-
946,242,656	1,005,744,589	1,012,996,914	861,435,493	882,804,597	905,123,689	959,483,411	1,011,415,094	1,104,217,356	1,153,410,008

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
735,261,534	710,479,448	816,757,394	842,209,156	875,312,558	945,156,597	953,328,135	961,890,620	970,738,538	1,000,676,531
(379,826,996)	(387,803,363)	(395,947,233)	(404,262,125)	(412,751,630)	(421,419,414)	(430,269,222)	(439,304,876)	(448,530,278)	(457,949,414)
170,046,258	173,617,229	177,263,191	180,985,718	184,786,418	188,666,933	192,628,938	196,674,146	200,804,303	205,021,194
142,708,377	122,331,687	233,107,542	263,151,669	300,943,875	375,575,184	388,634,524	402,187,455	416,130,619	451,270,857
802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895
149,081,177	152,211,882	155,408,332	158,671,906	162,004,017	165,406,101	168,879,629	172,426,101	176,047,049	179,744,037
158,223,587	158,240,900	158,258,576	158,276,624	158,295,050	158,313,864	158,333,072	158,352,684	158,372,708	158,336,452
76,790,709	70,723,825	64,753,927	58,955,702	53,278,778	47,632,785	41,996,520	36,365,922	30,737,270	25,113,452
166,906,301	154,741,225	142,763,078	131,116,077	119,702,944	108,349,158	97,013,768	85,688,921	74,367,423	63,054,846
-	-	-	-	-	-	-	-	-	-
1,286,263,308	1,246,397,281	1,337,941,307	1,349,229,465	1,368,593,346	1,424,858,504	1,419,551,124	1,414,724,249	1,410,262,988	1,426,925,320

NIPSCO Replacement 3I

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
5,231	*Total Portfolio Cost*	338,623,324	310,567,717	269,101,245	244,623,225	279,473,805	298,179,638	305,142,259	333,111,242	353,401,343	369,916,949
-620	*Total Owned Cost*	279,553,156	215,544,703	171,836,453	127,518,430	119,400,688	44,872,246	(21,620,666)	(88,375,344)	(126,107,078)	(172,472,000)
-302	*Net Market Purchases*	(44,685,152)	(19,005,047)	(43,707,477)	(82,290,527)	(69,223,066)	(47,780,719)	(6,747,547)	30,882,160	30,962,457	22,234,773
1,536	*Contract Cost*	103,755,320	114,028,060	140,972,268	156,372,271	181,559,065	201,556,938	161,668,169	125,018,844	63,482,621	31,202,219
4,617	*Gross REC Purchase Cost*	-	-	-	43,023,051	47,737,119	99,531,172	171,842,302	265,585,582	385,063,343	488,951,956
1,370	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	106,155,663	86,663,087	80,447,961	84,444,310	83,587,660	90,060,558
2,459	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,174,714	248,376,015	252,576,243	256,424,469	256,797,659	257,236,559	267,365,902
767	*Taxes*	41,579,442	48,477,171	78,339,187	98,753,410	95,199,315	85,836,344	76,166,463	71,667,862	65,343,123	64,690,866
1,927	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,288,520	230,965,740	219,517,808	207,924,257	191,633,120	171,794,539	162,889,599
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
11,848	*Total Revenue Requirement*	822,459,230	839,954,813	928,774,538	956,212,650	982,581,730	965,381,447	948,743,452	960,106,355	949,258,154	958,191,584

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
390,695,191	368,500,829	348,283,126	363,534,358	317,684,260	398,041,774	442,306,802	540,587,140	638,907,312	701,183,545
(182,109,609)	(225,250,344)	(272,610,750)	(323,691,375)	(360,026,781)	(324,275,094)	(258,186,766)	(224,130,172)	(190,037,750)	(170,019,375)
9,542,445	(18,609,539)	(41,508,234)	(27,579,773)	(61,183,445)	(24,148,102)	(64,716,359)	(42,048,305)	(19,565,789)	(5,054,391)
20,046,094	3,424,336	4,652,203	(4,251,616)	(3,037,691)	(6,345,032)	14,772,338	30,854,328	53,990,291	73,923,416
543,216,262	608,936,376	657,749,908	719,057,123	741,932,178	752,810,002	750,437,589	775,911,288	794,520,560	802,333,895
92,567,083	103,646,150	102,500,831	107,610,219	111,897,389	116,549,239	122,713,639	126,555,744	132,083,466	138,565,239
267,485,265	273,730,119	273,832,335	99,566,405	110,996,366	111,092,198	114,576,608	115,278,284	127,904,681	132,435,905
63,691,701	60,296,843	56,748,663	52,418,327	56,377,622	58,832,525	56,366,472	54,084,838	57,053,307	62,763,518
153,388,865	139,392,795	125,147,136	113,014,964	120,514,664	125,108,631	120,199,192	115,645,254	121,229,077	132,106,804
-	-	-	-	-	-	-	-	-	-
967,828,106	945,566,735	906,512,091	736,144,273	717,470,301	809,624,366	856,162,713	952,151,260	1,077,177,844	1,167,055,011

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
830,222,419	806,076,675	916,457,542	942,752,241	944,145,463	1,008,482,225	1,017,882,750	1,027,715,270	1,037,849,080	1,069,100,928
(173,589,782)	(177,235,167)	(180,957,106)	(184,757,205)	(188,637,106)	(192,598,486)	(196,643,054)	(200,772,558)	(204,988,782)	(209,293,546)
(5,160,533)	(5,268,904)	(5,379,551)	(5,492,522)	(5,607,865)	(5,725,630)	(5,845,868)	(5,968,631)	(6,093,972)	(6,221,946)
206,638,839	186,246,851	300,460,304	330,668,073	336,056,539	404,472,446	418,037,777	432,122,564	446,597,939	482,282,525
802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895
141,475,109	144,446,086	147,479,454	150,576,523	153,738,629	156,967,141	160,263,451	163,628,983	167,065,192	170,573,561
130,969,582	131,040,439	131,112,785	131,186,649	131,262,065	131,339,065	130,267,681	130,347,948	130,429,901	130,456,876
60,881,680	55,684,908	50,569,159	45,582,675	40,694,367	35,836,218	31,004,085	26,193,873	21,384,443	16,578,685
128,323,214	118,137,961	108,108,917	98,329,236	88,738,878	79,206,490	69,724,064	60,283,690	50,844,538	41,412,186
-	-	-	-	-	-	-	-	-	-
1,291,872,004	1,255,386,069	1,353,727,856	1,368,427,324	1,358,579,403	1,411,831,139	1,409,142,031	1,408,169,764	1,407,573,154	1,428,122,235

AGGRESSIVE ENVIRONMENTAL REGULATION, no hydrogen subsidy
NIPSCO Replacement 3I

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
4,978	*Total Portfolio Cost*	338,214,551	322,326,830	316,255,704	272,092,902	301,575,903	334,683,926	348,007,739	366,220,292	361,067,563	353,299,301
2,344	*Total Owned Cost*	282,541,594	242,616,438	190,479,453	187,105,281	168,623,422	134,324,469	103,517,242	91,831,664	113,089,547	117,773,492
-930	*Net Market Purchases*	(48,279,152)	(34,520,387)	(45,263,645)	(103,552,473)	(79,612,070)	(75,534,625)	(34,396,492)	(8,511,531)	(14,635,063)	(40,083,195)
3,564	*Contract Cost*	103,952,109	114,230,779	171,039,895	188,540,093	212,564,551	275,894,082	278,886,989	282,900,160	262,613,078	275,609,004
1,370	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	106,155,663	86,663,087	80,447,961	84,444,310	83,587,660	90,060,558
2,468	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,174,714	248,376,015	252,576,243	256,424,469	256,797,659	257,236,559	267,365,902
776	*Taxes*	41,579,442	48,477,171	78,339,187	98,753,410	95,199,315	85,836,344	76,166,463	71,667,862	65,343,123	64,690,866
1,943	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,288,520	230,965,740	219,517,808	207,924,257	191,633,120	171,794,539	162,889,599
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
11,629	*Total Revenue Requirement*	822,050,457	851,713,926	975,928,997	983,682,327	1,004,683,828	1,001,885,735	991,608,933	993,215,406	956,924,373	941,573,936

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
355,735,750	366,116,387	392,194,176	410,602,505	388,129,925	395,038,055	400,740,616	422,841,062	452,585,128	436,745,282
150,742,109	183,403,391	210,251,641	222,091,922	226,099,750	184,286,984	229,007,594	221,190,422	226,304,422	225,999,219
(80,649,680)	(109,654,633)	(127,784,938)	(126,788,234)	(174,607,719)	(123,897,141)	(160,293,797)	(127,632,156)	(75,391,328)	(88,839,891)
285,643,320	292,367,629	309,727,473	315,298,818	336,637,894	334,648,211	332,026,820	329,282,797	301,672,035	299,585,954
92,567,083	103,646,150	102,500,831	107,610,219	111,897,389	116,549,239	122,713,639	126,555,744	132,083,466	138,565,239
267,485,265	273,730,119	273,832,335	99,566,405	113,627,817	113,723,649	117,208,058	117,909,735	130,536,131	135,067,356
63,691,701	60,296,843	56,748,663	52,418,327	57,915,953	61,856,141	59,283,997	56,896,271	59,758,649	65,362,767
153,388,865	139,392,795	125,147,136	113,014,964	123,485,311	130,947,487	125,833,177	121,074,366	126,453,317	137,126,172
-	-	-	-	-	-	-	-	-	-
932,868,664	943,182,293	950,423,141	783,212,420	795,056,394	818,114,571	825,779,487	845,277,179	901,416,691	912,866,817

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
574,053,191	570,777,912	706,304,908	752,945,460	785,112,849	875,057,929	902,888,658	931,659,637	961,335,386	1,015,486,065
230,745,202	235,590,852	240,538,259	245,589,563	250,746,944	256,012,630	261,388,895	266,878,062	272,482,501	278,204,633
(90,705,528)	(92,610,344)	(94,555,162)	(96,540,820)	(98,568,177)	(100,638,109)	(102,751,509)	(104,909,291)	(107,112,386)	(109,361,746)
434,013,517	427,797,405	560,321,811	603,896,717	632,934,083	719,683,408	744,251,273	769,690,866	795,965,271	846,643,177
141,475,109	144,446,086	147,479,454	150,576,523	153,738,629	156,967,141	160,263,451	163,628,983	167,065,192	170,573,561
133,601,032	133,671,890	133,744,235	133,818,100	133,893,515	133,970,515	132,899,131	132,979,399	133,061,352	133,088,326
63,374,837	58,071,974	52,850,133	47,757,557	42,763,158	37,798,917	32,860,692	27,944,388	23,028,866	18,117,016
133,137,710	122,747,585	112,513,668	102,529,115	92,733,886	82,996,625	73,309,327	63,664,081	54,020,057	44,382,832
-	-	-	-	-	-	-	-	-	-
1,045,641,879	1,029,715,446	1,152,892,398	1,187,626,754	1,208,242,037	1,286,791,126	1,302,221,258	1,319,876,487	1,338,510,852	1,381,647,799

ECONOMY-WIDE DECARBONIZATION, no hydrogen subsidy
NIPSCO Replacement 3l

NPV (millions of $)	Category	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
5,618	*Total Portfolio Cost*	338,623,324	310,567,717	269,102,430	244,628,585	280,131,364	301,355,132	306,892,392	334,616,751	354,218,368	371,944,006
-396	*Total Owned Cost*	279,553,156	215,544,703	171,849,516	127,500,305	119,414,773	46,460,813	(20,537,701)	(86,949,023)	(125,077,273)	(170,552,688)
-179	*Net Market Purchases*	(44,685,152)	(19,005,047)	(43,719,367)	(82,267,039)	(68,680,145)	(46,596,605)	(6,405,664)	30,936,695	30,728,992	22,345,063
1,575	*Contract Cost*	103,755,320	114,028,060	140,972,281	156,372,269	181,659,616	201,959,753	161,993,455	125,043,498	63,503,306	31,199,675
4,617	*Gross REC Purchase Cost*	-	-	-	43,023,051	47,737,119	99,531,172	171,842,302	265,585,582	385,063,343	488,951,956
1,370	*FOM*	121,985,548	133,200,698	118,535,897	98,725,403	106,155,663	86,663,087	80,447,961	84,444,310	83,587,660	90,060,558
2,459	*Book Depreciation*	180,431,378	196,403,797	244,672,166	245,174,714	248,376,015	252,576,243	256,424,469	256,797,659	257,236,559	267,365,902
767	*Taxes*	41,579,442	48,477,171	78,339,187	98,753,410	95,199,315	85,836,344	76,166,463	71,667,862	65,343,123	64,690,866
1,927	*Capital Charge*	139,839,538	150,833,806	208,628,405	246,288,520	230,965,740	219,517,808	207,924,257	191,633,120	171,794,539	162,889,599
94	*Other Fixed Charges*	-	471,624	9,497,638	22,647,378	22,411,192	22,608,327	22,638,044	22,452,162	17,894,930	3,267,711
12,235	*Total Revenue Requirement*	822,459,230	839,954,813	928,775,723	956,218,011	983,239,290	968,556,941	950,493,586	961,611,865	950,075,179	960,218,642

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
392,210,121	425,590,296	479,514,641	507,904,745	479,900,854	531,430,198	576,380,231	641,594,424	710,253,547	737,171,447
(180,567,188)	(201,799,063)	(208,933,391)	(208,267,563)	(216,522,688)	(230,390,594)	(178,197,047)	(169,172,953)	(165,365,406)	(163,608,406)
9,514,953	15,030,836	20,380,961	(5,021,063)	(51,082,320)	7,027,109	(22,033,797)	(9,976,398)	12,188,063	8,998,859
20,046,094	3,422,147	10,317,163	2,136,247	5,573,684	1,983,681	26,173,486	44,832,487	68,910,331	89,447,099
543,216,262	608,936,376	657,749,908	719,057,123	741,932,178	752,810,002	750,437,589	775,911,288	794,520,560	802,333,895
92,567,083	103,646,150	102,500,831	107,610,219	111,897,389	116,549,239	122,713,639	126,555,744	132,083,466	138,565,239
267,485,265	273,730,119	273,832,335	99,566,405	110,996,366	111,092,198	114,576,608	115,278,284	127,904,681	132,435,905
63,691,701	60,296,843	56,748,663	52,418,327	56,377,622	58,832,525	56,366,472	54,084,838	57,053,307	62,763,518
153,388,865	139,392,795	125,147,136	113,014,964	120,514,664	125,108,631	120,199,192	115,645,254	121,229,077	132,106,804
-	-	-	-	-	-	-	-	-	-
969,343,035	1,002,656,202	1,037,743,606	880,514,660	879,686,895	943,012,790	990,236,142	1,053,158,545	1,148,524,079	1,203,042,913

2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
866,502,662	842,795,593	953,624,349	980,376,342	966,882,404	1,031,696,644	1,041,584,658	1,051,914,930	1,062,556,927	1,094,327,635
(167,044,183)	(170,552,111)	(174,133,705)	(177,790,513)	(181,524,114)	(185,336,120)	(189,228,178)	(193,201,970)	(197,259,212)	(201,401,655)
9,187,835	9,380,780	9,577,776	9,778,910	9,984,267	10,193,936	10,408,009	10,626,577	10,849,735	11,077,580
222,025,115	201,633,029	315,846,383	346,054,050	336,088,356	404,504,933	418,070,933	432,156,428	446,632,509	482,317,816
802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895	802,333,895
141,475,109	144,446,086	147,479,454	150,576,523	153,738,629	156,967,141	160,263,451	163,628,983	167,065,192	170,573,561
130,969,582	131,040,439	131,112,785	131,186,649	131,262,065	131,339,065	130,267,681	130,347,948	130,429,901	130,456,876
60,881,680	55,684,908	50,569,159	45,582,675	40,694,367	35,836,218	31,004,085	26,193,873	21,384,443	16,578,685
128,323,214	118,137,961	108,108,917	98,329,236	88,738,878	79,206,490	69,724,064	60,283,690	50,844,538	41,412,186
-	-	-	-	-	-	-	-	-	-
1,328,152,246	1,292,104,988	1,390,894,663	1,406,051,424	1,381,316,344	1,435,045,557	1,432,843,939	1,432,369,424	1,432,281,001	1,453,348,942

Stochastic Results - Replacements Summary

30-yr NPVRR ($ millions)

	NIPSCO Replacement 3A	NIPSCO Replacement 3B	NIPSCO Replacement 3C	NIPSCO Replacement 3D	NIPSCO Replacement 3E	NIPSCO Replacement 3F	NIPSCO Replacement 3G	NIPSCO Replacement 3H	NIPSCO Replacement 3I
95th Percentile	10,701	10,594	10,535	10,675	10,684	10,660	11,313	11,316	11,014
75th Percentile (Q3)	10,665	10,564	10,502	10,640	10,650	10,628	11,266	11,275	10,983
Median	10,637	10,538	10,482	10,611	10,624	10,603	11,236	11,247	10,954
25th Percentile (Q1)	10,614	10,512	10,458	10,587	10,602	10,581	11,206	11,218	10,929
5th Percentile	10,575	10,478	10,429	10,548	10,566	10,546	11,161	11,176	10,890
95th CVaR	10,741	10,630	10,565	10,716	10,722	10,700	11,359	11,361	11,040
Max	11,036	10,859	10,791	11,019	11,011	10,991	11,670	11,664	11,193
Min	10,520	10,415	10,378	10,495	10,518	10,498	11,099	11,122	10,830
Mean	10,639	10,538	10,481	10,613	10,626	10,605	11,238	11,248	10,955
Standard Deviation	44	41	37	45	42	41	52	49	40
Q1 - 5th Percentile	38	34	29	39	36	36	45	42	39
Median - Q1	23	26	24	24	22	21	30	29	25
Q3 - Median	28	26	20	28	26	26	29	27	29
95% - Q3	36	30	33	35	34	32	48	42	32
95th CVaR - median	104	92	83	104	98	97	123	114	87

Existing Fleet Portfolio Summary by Scenario

Component	Description
Portfolio Generation Cost	The total variable costs associated with operating the portfolio, including fuel, emissions, VOM, contract (PPA) costs, and net market purchases from the MISO energy market
Resource Cost	The sum of all variable costs associated with owned generating assets, including fuel, emissions, and VOM
Contract Purchases Cost	The sum of all contract or PPA costs plus costs associated with new DSM programs
Market Sales Cost	Costs associated with energy market sales to MISO
Market Purchases Cost	Costs associated with energy market purchases from MISO

Portfolio Name:	Retirement 1
Scenario	Reference

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,819	282,023	26	103,952	57	(85,211)	38,056
2022	316,067	236,422	23	114,186	58	(73,897)	39,311
2023	305,828	201,943	20	169,324	48	(101,324)	35,466
2024	248,325	172,316	16	191,836	42	(145,889)	29,637
2025	253,157	167,495	16	190,036	42	(139,801)	34,997
2026	284,825	206,339	20	194,080	42	(161,911)	45,915
2027	288,907	228,375	22	197,844	43	(178,134)	40,411
2028	303,702	210,681	22	200,652	43	(162,515)	54,474
2029	280,648	239,963	23	178,071	38	(182,381)	44,537
2030	285,643	240,593	24	179,319	38	(184,349)	49,641
2031	294,936	247,358	25	180,140	38	(181,551)	48,571
2032	306,307	194,772	22	205,441	39	(166,702)	72,357
2033	316,404	152,099	20	221,239	39	(148,941)	91,604
2034	320,894	157,403	20	221,794	39	(151,592)	92,883
2035	324,800	161,693	21	254,988	40	(185,226)	92,961
2036	326,343	145,667	20	262,250	39	(195,873)	113,907
2037	323,927	176,113	23	260,162	39	(204,249)	91,514
2038	337,417	189,709	24	257,529	40	(203,813)	93,614
2039	355,647	206,216	26	243,964	40	(201,607)	106,691
2040	365,795	214,773	26	259,091	41	(215,714)	107,263

Portfolio Name:	Retirement 1
Scenario	Aggressive Environmental Regulation

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,395	282,344	26	103,952	57	(85,822)	37,920
2022	322,318	242,646	23	114,187	58	(74,061)	39,502
2023	316,083	190,346	20	170,437	49	(90,721)	45,582
2024	273,950	187,243	19	191,225	43	(149,482)	44,554
2025	285,688	168,627	19	188,812	42	(132,826)	60,728
2026	299,293	181,816	20	193,342	42	(143,154)	66,924
2027	309,618	208,291	22	197,120	43	(163,012)	66,835
2028	335,482	197,245	23	199,664	43	(145,555)	83,758
2029	338,644	222,746	26	177,034	38	(144,525)	83,043
2030	361,744	239,483	28	178,517	38	(149,083)	92,481
2031	389,123	289,503	33	181,204	38	(171,794)	89,858
2032	406,662	251,647	32	207,059	39	(176,841)	124,427
2033	416,401	210,022	29	225,253	40	(179,171)	159,950
2034	443,656	222,847	32	228,422	40	(193,954)	186,003
2035	445,640	226,642	34	263,846	41	(258,706)	213,522
2036	463,038	184,047	30	271,370	40	(246,999)	254,292
2037	468,280	227,940	35	268,377	41	(248,258)	219,891
2038	489,460	218,911	35	266,401	41	(239,059)	242,877
2039	532,105	221,496	35	251,374	42	(228,112)	287,015
2040	533,529	217,612	35	267,012	42	(250,149)	298,731

Portfolio Name:	Retirement 1
Scenario	Status Quo Extended

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	337,127	281,969	26	103,952	57	(86,195)	37,402
2022	307,234	230,607	22	114,185	58	(74,868)	37,264
2023	260,734	202,247	19	169,379	48	(127,133)	15,876
2024	202,675	172,640	15	192,972	42	(172,837)	9,563
2025	206,797	164,857	15	192,903	42	(162,771)	11,476
2026	213,825	169,330	15	197,278	42	(167,998)	14,836
2027	216,413	186,254	16	200,631	42	(180,598)	9,736
2028	230,430	167,542	16	203,145	42	(158,099)	17,437
2029	204,965	185,273	17	180,338	38	(172,837)	11,780
2030	208,207	181,987	17	181,542	38	(171,496)	15,754
2031	212,763	186,151	17	182,235	38	(168,524)	12,500
2032	226,789	152,888	16	207,635	38	(156,164)	22,025
2033	238,928	125,591	14	223,240	39	(137,285)	26,980
2034	240,964	122,911	14	223,749	39	(136,961)	30,846
2035	253,947	127,536	15	256,701	40	(158,208)	27,531
2036	259,674	108,576	14	263,831	39	(155,062)	41,943
2037	254,653	130,242	15	261,745	39	(165,683)	27,967
2038	260,881	125,700	15	258,811	40	(158,706)	34,693
2039	264,737	137,130	16	245,512	40	(155,748)	37,463
2040	273,168	141,433	17	260,456	41	(166,600)	37,504

Portfolio Name:	Retirement 1
Scenario	Economy-Wide Decarbonization

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,623	279,553	25	103,755	57	(83,155)	38,470
2022	310,568	215,545	21	114,027	58	(65,701)	46,696
2023	268,970	171,838	17	140,752	40	(85,196)	41,488
2024	202,774	127,760	12	159,005	35	(122,262)	38,083
2025	219,406	119,382	12	160,379	36	(106,793)	46,172
2026	171,896	86,261	9	137,141	30	(105,075)	53,386
2027	109,048	61,622	6	109,188	24	(108,552)	46,634
2028	55,205	(8,369)	(1)	80,693	17	(80,835)	63,561
2029	(31,388)	(48,398)	(5)	28,947	6	(71,758)	59,690
2030	(77,552)	(78,728)	(8)	9,294	2	(70,312)	62,046
2031	(90,731)	(75,418)	(8)	2,547	1	(75,194)	57,195
2032	(121,090)	(139,434)	(17)	(16,977)	(3)	(59,254)	94,420
2033	(133,189)	(183,982)	(25)	(27,893)	(5)	(48,353)	126,873
2034	(139,730)	(187,638)	(25)	(35,757)	(6)	(50,548)	134,060
2035	(153,915)	(163,313)	(21)	(40,360)	(6)	(78,076)	127,682
2036	(144,085)	(174,634)	(24)	(50,295)	(7)	(81,617)	162,324
2037	(112,569)	(117,070)	(14)	(34,593)	(5)	(92,686)	131,612
2038	(80,184)	(105,118)	(13)	(26,279)	(4)	(92,399)	143,473
2039	(23,037)	(88,347)	(11)	(9,193)	(2)	(92,687)	167,037
2040	3,620	(75,738)	(9)	6,230	1	(103,723)	176,691

Note: Negative portfolio generation costs in the EWD scenario result from how NIPSCO accounts for the Clean Energy Standard for modeling purposes. In Aurora, every "clean" MWh is assumed to receive a credit for a sale at the REC or "CEC" price. NIPSCO then "buys back" its load requirement through the "Gross REC Purchase Cost" line item in the Rev Req Components tabs, resulting in a net customer cost benefit only accruing for clean energy *above* the standard.

Existing Fleet Portfolio Summary by Scenario

Component	Description
Portfolio Generation Cost	The total variable costs associated with operating the portfolio, including fuel, emissions, VOM, contract (PPA) costs, and net market purchases from the MISO energy market
Resource Cost	The sum of all variable costs associated with owned generating assets, including fuel, emissions, and VOM
Contract Purchases Cost	The sum of all contract or PPA costs plus costs associated with new DSM programs
Market Sales Cost	Costs associated with energy market sales to MISO
Market Purchases Cost	Costs associated with energy market purchases from MISO

Portfolio Name:	Retirement 2
Scenario	Reference

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,819	282,023	26	103,952	57	(85,211)	38,056
2022	316,067	236,422	23	114,186	58	(73,897)	39,311
2023	305,828	201,943	20	169,324	48	(101,324)	35,466
2024	248,325	172,316	16	191,836	42	(145,889)	29,637
2025	253,157	167,495	16	190,036	42	(139,801)	34,997
2026	284,989	206,339	20	203,037	42	(170,337)	45,549
2027	289,036	228,375	22	206,919	43	(186,760)	40,091
2028	309,403	158,882	19	209,864	43	(141,159)	81,405
2029	292,524	146,806	18	187,383	39	(125,345)	83,222
2030	297,850	143,881	18	207,491	39	(142,711)	88,751
2031	306,636	146,662	19	220,073	39	(148,309)	87,793
2032	309,227	149,848	19	219,996	39	(149,726)	88,672
2033	314,948	152,099	20	219,784	39	(148,941)	91,604
2034	319,505	157,403	20	220,405	39	(151,592)	92,883
2035	323,512	161,693	21	253,700	40	(185,226)	92,961
2036	325,154	145,667	20	261,061	39	(195,873)	113,907
2037	322,843	176,113	23	259,078	39	(204,249)	91,514
2038	336,436	189,709	24	256,548	40	(203,813)	93,614
2039	354,769	206,216	26	243,086	40	(201,607)	106,691
2040	365,019	214,773	26	258,315	41	(215,714)	107,263

Portfolio Name:	Retirement 2
Scenario	Aggressive Environmental Regulation

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,395	282,344	26	103,952	57	(85,822)	37,920
2022	322,318	242,646	23	114,187	58	(74,061)	39,502
2023	316,083	190,346	20	170,437	49	(90,721)	45,582
2024	273,950	187,243	19	191,225	43	(149,482)	44,554
2025	285,688	168,627	19	188,812	42	(132,826)	60,728
2026	299,023	181,816	20	202,299	42	(151,892)	66,436
2027	309,010	208,291	22	206,195	43	(172,171)	66,312
2028	341,208	135,937	18	208,877	43	(123,913)	119,938
2029	342,337	110,374	17	186,345	38	(92,875)	138,146
2030	351,046	116,235	18	203,248	38	(115,980)	147,196
2031	367,525	149,701	22	214,001	38	(141,637)	145,107
2032	387,987	184,796	26	216,375	38	(162,034)	148,482
2033	409,744	210,022	29	218,596	39	(179,171)	159,950
2034	437,093	222,847	32	221,859	39	(193,954)	186,003
2035	439,200	226,642	34	257,406	40	(258,706)	213,522
2036	456,714	184,047	30	265,046	39	(246,999)	254,292
2037	462,099	227,940	35	262,197	40	(248,258)	219,891
2038	483,404	218,911	35	260,345	40	(239,059)	242,877
2039	526,179	221,496	35	245,448	41	(228,112)	287,015
2040	527,723	217,612	35	261,206	42	(250,149)	298,731

Portfolio Name:	Retirement 2
Scenario	Status Quo Extended

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	337,127	281,969	26	103,952	57	(86,195)	37,402
2022	307,234	230,607	22	114,185	58	(74,868)	37,264
2023	260,734	202,247	19	169,379	48	(127,133)	15,876
2024	202,675	172,640	15	192,972	42	(172,837)	9,563
2025	206,797	164,857	15	192,903	42	(162,771)	11,476
2026	216,089	169,330	15	206,235	42	(174,603)	14,748
2027	218,872	186,254	16	209,706	42	(187,158)	9,680
2028	237,334	130,625	14	212,357	42	(138,748)	32,696
2029	216,057	123,959	14	189,649	38	(125,495)	27,532
2030	225,170	119,111	14	209,714	39	(135,586)	31,511
2031	233,560	123,162	14	222,168	39	(140,269)	28,099
2032	233,944	124,057	14	222,189	39	(140,721)	28,014
2033	237,467	125,591	14	221,779	39	(137,285)	26,980
2034	239,574	122,911	14	222,360	38	(136,961)	30,846
2035	252,659	127,536	15	255,413	40	(158,208)	27,531
2036	258,486	108,576	14	262,643	39	(155,062)	41,943
2037	253,570	130,242	15	260,662	39	(165,683)	27,967
2038	259,900	125,700	15	257,830	40	(158,706)	34,693
2039	263,859	137,130	16	244,634	40	(155,748)	37,463
2040	272,392	141,433	17	259,680	41	(166,600)	37,504

Portfolio Name:	Retirement 2
Scenario	Economy-Wide Decarbonization

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,623	279,553	25	103,755	57	(83,155)	38,470
2022	310,568	215,545	21	114,027	58	(65,701)	46,696
2023	268,970	171,838	17	140,752	40	(85,196)	41,488
2024	202,774	127,760	12	159,005	35	(122,262)	38,083
2025	219,406	119,382	12	160,379	36	(106,793)	46,172
2026	170,460	86,261	9	142,720	30	(111,677)	52,973
2027	106,185	61,622	6	113,259	23	(115,111)	46,259
2028	62,809	(55,647)	(7)	84,469	17	(64,998)	98,830
2029	(18,151)	(121,393)	(17)	31,055	6	(39,502)	111,559
2030	(81,613)	(154,994)	(22)	4,309	1	(47,530)	116,454
2031	(100,679)	(154,588)	(21)	(7,247)	(1)	(53,332)	114,350
2032	(126,164)	(171,985)	(23)	(21,901)	(4)	(51,209)	118,777
2033	(132,745)	(183,982)	(25)	(27,449)	(5)	(48,353)	126,873
2034	(139,230)	(187,638)	(25)	(35,257)	(6)	(50,548)	134,060
2035	(153,322)	(163,313)	(21)	(39,767)	(6)	(78,076)	127,682
2036	(143,405)	(174,634)	(24)	(49,615)	(7)	(81,617)	162,324
2037	(111,790)	(117,070)	(14)	(33,813)	(5)	(92,686)	131,612
2038	(79,318)	(105,118)	(13)	(25,413)	(4)	(92,399)	143,473
2039	(22,072)	(88,347)	(11)	(8,228)	(1)	(92,687)	167,037
2040	4,682	(75,738)	(9)	7,291	1	(103,723)	176,691

Note: Negative portfolio generation costs in the EWD scenario result from how NIPSCO accounts for the Clean Energy Standard for modeling purposes. In Aurora, every "clean" MWh is assumed to receive a credit for a sale at the REC or "CEC" price. NIPSCO then "buys back" its load requirement through the "Gross REC Purchase Cost" line item in the Rev Req Components tabs, resulting in a net customer cost benefit only accruing for clean energy *above* the standard.

Existing Fleet Portfolio Summary by Scenario

Component	Description
Portfolio Generation Cost	The total variable costs associated with operating the portfolio, including fuel, emissions, VOM, contract (PPA) costs, and net market purchases from the MISO energy market
Resource Cost	The sum of all variable costs associated with owned generating assets, including fuel, emissions, and VOM
Contract Purchases Cost	The sum of all contract or PPA costs plus costs associated with new DSM programs
Market Sales Cost	Costs associated with energy market sales to MISO
Market Purchases Cost	Costs associated with energy market purchases from MISO

Portfolio Name:	Retirement 3
Scenario	Reference

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,819	282,023	26	103,952	57	(85,211)	38,056
2022	316,067	236,422	23	114,186	58	(73,897)	39,311
2023	305,828	201,943	20	169,324	48	(101,324)	35,466
2024	248,325	172,316	16	191,836	42	(145,889)	29,637
2025	253,157	167,495	16	190,036	42	(139,801)	34,997
2026	291,092	155,235	18	203,037	42	(137,352)	69,771
2027	298,637	136,908	17	206,919	43	(121,876)	76,275
2028	313,701	119,308	16	209,864	43	(112,358)	96,476
2029	292,524	146,806	18	187,383	39	(125,345)	83,222
2030	297,850	143,881	18	207,491	39	(142,711)	88,751
2031	306,636	146,662	19	220,073	39	(148,309)	87,793
2032	309,227	149,848	19	219,996	39	(149,726)	88,672
2033	314,948	152,099	20	219,784	39	(148,941)	91,604
2034	319,505	157,403	20	220,405	39	(151,592)	92,883
2035	323,512	161,693	21	253,700	40	(185,226)	92,961
2036	325,154	145,667	20	261,061	39	(195,873)	113,907
2037	322,843	176,113	23	259,078	39	(204,249)	91,514
2038	336,436	189,709	24	256,548	40	(203,813)	93,614
2039	354,769	206,216	26	243,086	40	(201,607)	106,691
2040	365,019	214,773	26	258,315	41	(215,714)	107,263

Portfolio Name:	Retirement 3
Scenario	Aggressive Environmental Regulation

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,395	282,344	26	103,952	57	(85,822)	37,920
2022	322,318	242,646	23	114,187	58	(74,061)	39,502
2023	316,083	190,346	20	170,437	49	(90,721)	45,582
2024	273,950	187,243	19	191,225	43	(149,482)	44,554
2025	285,688	168,627	19	188,812	42	(132,826)	60,728
2026	309,386	124,218	16	202,299	42	(117,689)	100,193
2027	324,350	100,025	15	206,195	43	(103,859)	121,606
2028	345,010	88,645	14	208,877	43	(94,834)	141,953
2029	342,337	110,374	17	186,345	38	(92,875)	138,146
2030	351,046	116,235	18	203,248	38	(115,980)	147,196
2031	367,525	149,701	22	214,001	38	(141,637)	145,107
2032	387,987	184,796	26	216,375	38	(162,034)	148,482
2033	409,744	210,022	29	218,596	39	(179,171)	159,950
2034	437,093	222,847	32	221,859	39	(193,954)	186,003
2035	439,200	226,642	34	257,406	40	(258,706)	213,522
2036	456,714	184,047	30	265,046	39	(246,999)	254,292
2037	462,099	227,940	35	262,197	40	(248,258)	219,891
2038	483,404	218,911	35	260,345	40	(239,059)	242,877
2039	526,179	221,496	35	245,448	41	(228,112)	287,015
2040	527,723	217,612	35	261,206	42	(250,149)	298,731

Portfolio Name:	Retirement 3
Scenario	Status Quo Extended

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	337,127	281,969	26	103,952	57	(86,195)	37,402
2022	307,234	230,607	22	114,185	58	(74,868)	37,264
2023	260,734	202,247	19	169,379	48	(127,133)	15,876
2024	202,675	172,640	15	192,972	42	(172,837)	9,563
2025	206,797	164,857	15	192,903	42	(162,771)	11,476
2026	222,027	134,687	14	206,235	42	(145,166)	25,892
2027	228,524	121,108	13	209,706	42	(127,899)	25,218
2028	241,572	103,950	12	212,357	42	(113,615)	38,476
2029	216,057	123,959	14	189,649	38	(125,495)	27,532
2030	225,170	119,111	14	209,714	39	(135,586)	31,511
2031	233,560	123,162	14	222,168	39	(140,269)	28,099
2032	233,944	124,057	14	222,189	39	(140,721)	28,014
2033	237,467	125,591	14	221,779	39	(137,285)	26,980
2034	239,574	122,911	14	222,360	38	(136,961)	30,846
2035	252,659	127,536	15	255,413	40	(158,208)	27,531
2036	258,486	108,576	14	262,643	39	(155,062)	41,943
2037	253,570	130,242	15	260,662	39	(165,683)	27,967
2038	259,900	125,700	15	257,830	40	(158,706)	34,693
2039	263,859	137,130	16	244,634	40	(155,748)	37,463
2040	272,392	141,433	17	259,680	41	(166,600)	37,504

Portfolio Name:	Retirement 3
Scenario	Economy-Wide Decarbonization

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,623	279,553	25	103,755	57	(83,155)	38,470
2022	310,568	215,545	21	114,027	58	(65,701)	46,696
2023	268,970	171,838	17	140,752	40	(85,196)	41,488
2024	202,774	127,760	12	159,005	35	(122,262)	38,083
2025	219,406	119,382	12	160,379	36	(106,793)	46,172
2026	182,614	43,940	5	143,683	30	(85,477)	80,285
2027	125,901	(19,468)	(3)	113,259	23	(64,658)	96,612
2028	69,401	(85,761)	(13)	84,469	17	(48,251)	118,789
2029	(18,151)	(121,393)	(17)	31,055	6	(39,502)	111,559
2030	(81,613)	(154,994)	(22)	4,309	1	(47,530)	116,454
2031	(100,679)	(154,588)	(21)	(7,247)	(1)	(53,332)	114,350
2032	(126,164)	(171,985)	(23)	(21,901)	(4)	(51,209)	118,777
2033	(132,745)	(183,982)	(25)	(27,449)	(5)	(48,353)	126,873
2034	(139,230)	(187,638)	(25)	(35,257)	(6)	(50,548)	134,060
2035	(153,322)	(163,313)	(21)	(39,767)	(6)	(78,076)	127,682
2036	(143,405)	(174,634)	(24)	(49,615)	(7)	(81,617)	162,324
2037	(111,790)	(117,070)	(14)	(33,813)	(5)	(92,686)	131,612
2038	(79,318)	(105,118)	(13)	(25,413)	(4)	(92,399)	143,473
2039	(22,072)	(88,347)	(11)	(8,228)	(1)	(92,687)	167,037
2040	4,682	(75,738)	(9)	7,291	1	(103,723)	176,691

Note: Negative portfolio generation costs in the EWD scenario result from how NIPSCO accounts for the Clean Energy Standard for modeling purposes. In Aurora, every "clean" MWh is assumed to receive a credit for a sale at the REC or "CEC" price. NIPSCO then "buys back" its load requirement through the "Gross REC Purchase Cost" line item in the Rev Req Components tabs, resulting in a net customer cost benefit only accruing for clean energy *above* the standard.

Existing Fleet Portfolio Summary by Scenario

Component	Description
Portfolio Generation Cost	The total variable costs associated with operating the portfolio, including fuel, emissions, VOM, contract (PPA) costs, and net market purchases from the MISO energy market
Resource Cost	The sum of all variable costs associated with owned generating assets, including fuel, emissions, and VOM
Contract Purchases Cost	The sum of all contract or PPA costs plus costs associated with new DSM programs
Market Sales Cost	Costs associated with energy market sales to MISO
Market Purchases Cost	Costs associated with energy market purchases from MISO

Portfolio Name:	Retirement 4
Scenario	Reference

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,819	282,023	26	103,952	57	(85,211)	38,056
2022	316,067	236,422	23	114,186	58	(73,897)	39,311
2023	305,828	201,943	20	169,324	48	(101,324)	35,466
2024	260,826	127,763	14	191,836	42	(114,283)	55,085
2025	272,891	97,322	13	190,036	42	(89,806)	74,909
2026	294,830	116,306	15	211,993	42	(118,778)	84,907
2027	298,766	136,908	17	215,994	43	(130,273)	75,726
2028	313,795	119,308	16	219,077	43	(120,631)	95,630
2029	292,371	146,806	18	196,694	39	(134,193)	82,606
2030	297,258	143,881	18	210,538	39	(146,136)	88,537
2031	305,775	146,662	19	219,211	39	(148,309)	87,793
2032	308,428	149,848	19	219,196	39	(149,707)	88,652
2033	314,213	152,099	20	219,049	39	(148,940)	91,604
2034	318,832	157,403	20	219,732	38	(151,589)	92,880
2035	322,938	161,693	21	253,125	40	(185,235)	92,970
2036	324,677	145,667	20	260,584	39	(195,872)	113,906
2037	322,466	176,113	23	258,701	39	(204,241)	91,506
2038	336,158	189,709	24	256,270	40	(203,817)	93,618
2039	354,590	206,216	26	242,908	40	(201,604)	106,688
2040	364,940	214,773	26	258,236	41	(215,724)	107,274

Portfolio Name:	Retirement 4
Scenario	Aggressive Environmental Regulation

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,395	282,344	26	103,952	57	(85,822)	37,920
2022	322,318	242,646	23	114,187	58	(74,061)	39,502
2023	316,083	190,346	20	170,437	49	(90,721)	45,582
2024	283,727	133,119	16	191,225	43	(116,633)	75,606
2025	300,657	83,335	12	188,812	42	(82,162)	110,326
2026	315,607	80,647	12	211,255	42	(98,478)	121,818
2027	323,742	100,025	15	215,270	43	(112,452)	120,515
2028	344,279	88,645	14	218,089	43	(103,354)	140,530
2029	341,760	110,374	17	195,657	39	(101,372)	136,755
2030	351,808	116,235	18	207,374	39	(118,777)	146,628
2031	368,416	149,701	22	214,892	38	(141,637)	145,107
2032	388,944	184,796	26	217,331	38	(162,024)	148,472
2033	410,753	210,022	29	219,605	39	(179,186)	159,964
2034	438,155	222,847	32	222,921	39	(193,936)	185,985
2035	440,352	226,642	34	258,559	41	(258,708)	213,523
2036	457,959	184,047	30	266,291	39	(246,999)	254,292
2037	463,431	227,940	35	263,528	40	(248,282)	219,915
2038	484,828	218,911	35	261,769	41	(239,057)	242,875
2039	527,692	221,496	35	246,962	41	(228,109)	287,012
2040	529,331	217,612	35	262,813	42	(250,136)	298,719

Portfolio Name:	Retirement 4
Scenario	Status Quo Extended

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	337,127	281,969	26	103,952	57	(86,195)	37,402
2022	307,234	230,607	22	114,185	58	(74,868)	37,264
2023	260,734	202,247	19	169,379	48	(127,133)	15,876
2024	209,571	135,192	13	192,972	42	(141,596)	22,666
2025	216,465	109,213	12	192,903	42	(114,822)	28,839
2026	229,048	107,462	12	215,191	42	(126,232)	32,248
2027	230,983	121,108	13	218,781	42	(134,390)	25,094
2028	244,224	103,950	12	221,570	42	(119,876)	38,176
2029	218,745	123,959	14	198,961	39	(131,976)	27,389
2030	225,653	119,111	14	212,761	39	(138,116)	31,476
2031	232,699	123,162	14	221,306	39	(140,267)	28,096
2032	233,145	124,057	14	221,390	39	(140,723)	28,016
2033	236,727	125,591	14	221,038	38	(137,281)	26,976
2034	238,902	122,911	14	221,687	38	(136,962)	30,846
2035	252,084	127,536	15	254,839	40	(158,207)	27,530
2036	258,008	108,576	14	262,165	38	(155,059)	41,940
2037	253,192	130,242	15	260,284	39	(165,671)	27,954
2038	259,622	125,700	15	257,552	40	(158,701)	34,688
2039	263,681	137,130	16	244,455	40	(155,758)	37,473
2040	272,313	141,433	17	259,601	41	(166,611)	37,514

Portfolio Name:	Retirement 4
Scenario	Economy-Wide Decarbonization

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,623	279,553	25	103,755	57	(83,155)	38,470
2022	310,568	215,545	21	114,027	58	(65,701)	46,696
2023	268,970	171,838	17	140,752	40	(85,196)	41,488
2024	215,070	82,938	9	159,367	35	(93,943)	66,521
2025	235,823	49,931	7	159,297	35	(63,002)	89,332
2026	187,522	11,332	2	147,993	30	(69,425)	97,440
2027	123,039	(19,468)	(3)	117,331	23	(70,672)	95,692
2028	64,600	(85,761)	(13)	86,081	17	(53,393)	117,517
2029	(24,456)	(121,393)	(17)	30,552	6	(44,007)	110,262
2030	(83,306)	(154,994)	(22)	4,364	1	(48,765)	115,940
2031	(99,772)	(154,588)	(21)	(6,340)	(1)	(53,316)	114,334
2032	(125,204)	(171,985)	(23)	(20,941)	(4)	(51,196)	118,764
2033	(131,733)	(183,982)	(25)	(26,437)	(5)	(48,338)	126,858
2034	(138,165)	(187,638)	(25)	(34,193)	(6)	(50,552)	134,064
2035	(152,167)	(163,313)	(21)	(38,612)	(6)	(78,077)	127,683
2036	(142,157)	(174,634)	(24)	(48,368)	(7)	(81,622)	162,329
2037	(110,454)	(117,070)	(14)	(32,478)	(5)	(92,677)	131,602
2038	(77,890)	(105,118)	(13)	(23,985)	(4)	(92,387)	143,461
2039	(20,556)	(88,347)	(11)	(6,713)	(1)	(92,689)	167,038
2040	6,292	(75,738)	(9)	8,902	1	(103,735)	176,704

Note: Negative portfolio generation costs in the EWD scenario result from how NIPSCO accounts for the Clean Energy Standard for modeling purposes. In Aurora, every "clean" MWh is assumed to receive a credit for a sale at the REC or "CEC" price. NIPSCO then "buys back" its load requirement through the "Gross REC Purchase Cost" line item in the Rev Req Components tabs, resulting in a net customer cost benefit only accruing for clean energy *above* the standard.

Existing Fleet Portfolio Summary by Scenario

Component	Description
Portfolio Generation Cost	The total variable costs associated with operating the portfolio, including fuel, emissions, VOM, contract (PPA) costs, and net market purchases from the MISO energy market
Resource Cost	The sum of all variable costs associated with owned generating assets, including fuel, emissions, and VOM
Contract Purchases Cost	The sum of all contract or PPA costs plus costs associated with new DSM programs
Market Sales Cost	Costs associated with energy market sales to MISO
Market Purchases Cost	Costs associated with energy market purchases from MISO

Portfolio Name:	Retirement 4
Scenario	Reference

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,819	282,023	26	103,952	57	(85,211)	38,056
2022	316,067	236,422	23	114,186	58	(73,897)	39,311
2023	305,828	201,943	20	169,324	48	(101,324)	35,466
2024	260,826	127,763	14	191,836	42	(114,283)	55,085
2025	272,891	97,322	13	190,036	42	(89,806)	74,909
2026	294,830	116,306	15	211,993	42	(118,778)	84,907
2027	298,766	136,908	17	215,994	43	(130,273)	75,726
2028	313,795	119,308	16	219,077	43	(120,631)	95,630
2029	292,371	146,806	18	196,694	39	(134,193)	82,606
2030	297,258	143,881	18	210,538	39	(146,136)	88,537
2031	305,775	146,662	19	219,211	39	(148,309)	87,793
2032	308,428	149,848	19	219,196	39	(149,707)	88,652
2033	314,213	152,099	20	219,049	39	(148,940)	91,604
2034	318,832	157,403	20	219,732	38	(151,589)	92,880
2035	322,938	161,693	21	253,125	40	(185,235)	92,970
2036	324,677	145,667	20	260,584	39	(195,872)	113,906
2037	322,466	176,113	23	258,701	39	(204,241)	91,506
2038	336,158	189,709	24	256,270	40	(203,817)	93,618
2039	354,590	206,216	26	242,908	40	(201,604)	106,688
2040	364,940	214,773	26	258,236	41	(215,724)	107,274

Confidential - Excluded from public access per A.R. 9(G)

Portfolio Name:	Retirement 4
Scenario	Aggressive Environmental Regulation

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,395	282,344	26	103,952	57	(85,822)	37,920
2022	322,318	242,646	23	114,187	58	(74,061)	39,502
2023	316,083	190,346	20	170,437	49	(90,721)	45,582
2024	283,727	133,119	16	191,225	43	(116,633)	75,606
2025	300,657	83,335	12	188,812	42	(82,162)	110,326
2026	315,607	80,647	12	211,255	42	(98,478)	121,818
2027	323,742	100,025	15	215,270	43	(112,452)	120,515
2028	344,279	88,645	14	218,089	43	(103,354)	140,530
2029	341,760	110,374	17	195,657	39	(101,372)	136,755
2030	351,808	116,235	18	207,374	39	(118,777)	146,628
2031	368,416	149,701	22	214,892	38	(141,637)	145,107
2032	388,944	184,796	26	217,331	38	(162,024)	148,472
2033	410,753	210,022	29	219,605	39	(179,186)	159,964
2034	438,155	222,847	32	222,921	39	(193,936)	185,985
2035	440,352	226,642	34	258,559	41	(258,708)	213,523
2036	457,959	184,047	30	266,291	39	(246,999)	254,292
2037	463,431	227,940	35	263,528	40	(248,282)	219,915
2038	484,828	218,911	35	261,769	41	(239,057)	242,875
2039	527,692	221,496	35	246,962	41	(228,109)	287,012
2040	529,331	217,612	35	262,813	42	(250,136)	298,719

Confidential - Excluded from public access per A.R. 9(G)

Portfolio Name:	Retirement 4
Scenario	Status Quo Extended

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	337,127	281,969	26	103,952	57	(86,195)	37,402
2022	307,234	230,607	22	114,185	58	(74,868)	37,264
2023	260,734	202,247	19	169,379	48	(127,133)	15,876
2024	209,571	135,192	13	192,972	42	(141,596)	22,666
2025	216,465	109,213	12	192,903	42	(114,822)	28,839
2026	229,048	107,462	12	215,191	42	(126,232)	32,248
2027	230,983	121,108	13	218,781	42	(134,390)	25,094
2028	244,224	103,950	12	221,570	42	(119,876)	38,176
2029	218,745	123,959	14	198,961	39	(131,976)	27,389
2030	225,653	119,111	14	212,761	39	(138,116)	31,476
2031	232,699	123,162	14	221,306	39	(140,267)	28,096
2032	233,145	124,057	14	221,390	39	(140,723)	28,016
2033	236,727	125,591	14	221,038	38	(137,281)	26,976
2034	238,902	122,911	14	221,687	38	(136,962)	30,846
2035	252,084	127,536	15	254,839	40	(158,207)	27,530
2036	258,008	108,576	14	262,165	38	(155,059)	41,940
2037	253,192	130,242	15	260,284	39	(165,671)	27,954
2038	259,622	125,700	15	257,552	40	(158,701)	34,688
2039	263,681	137,130	16	244,455	40	(155,758)	37,473
2040	272,313	141,433	17	259,601	41	(166,611)	37,514

Confidential - Excluded from public access per A.R. 9(G)

Portfolio Name:	Retirement 4
Scenario	Economy-Wide Decarbonization

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,623	279,553	25	103,755	57	(83,155)	38,470
2022	310,568	215,545	21	114,027	58	(65,701)	46,696
2023	268,970	171,838	17	140,752	40	(85,196)	41,488
2024	215,070	82,938	9	159,367	35	(93,943)	66,521
2025	235,823	49,931	7	159,297	35	(63,002)	89,332
2026	187,522	11,332	2	147,993	30	(69,425)	97,440
2027	123,039	(19,468)	(3)	117,331	23	(70,672)	95,692
2028	64,600	(85,761)	(13)	86,081	17	(53,393)	117,517
2029	(24,456)	(121,393)	(17)	30,552	6	(44,007)	110,262
2030	(83,306)	(154,994)	(22)	4,364	1	(48,765)	115,940
2031	(99,772)	(154,588)	(21)	(6,340)	(1)	(53,316)	114,334
2032	(125,204)	(171,985)	(23)	(20,941)	(4)	(51,196)	118,764
2033	(131,733)	(183,982)	(25)	(26,437)	(5)	(48,338)	126,858
2034	(138,165)	(187,638)	(25)	(34,193)	(6)	(50,552)	134,064
2035	(152,167)	(163,313)	(21)	(38,612)	(6)	(78,077)	127,683
2036	(142,157)	(174,634)	(24)	(48,368)	(7)	(81,622)	162,329
2037	(110,454)	(117,070)	(14)	(32,478)	(5)	(92,677)	131,602
2038	(77,890)	(105,118)	(13)	(23,985)	(4)	(92,387)	143,461
2039	(20,556)	(88,347)	(11)	(6,713)	(1)	(92,689)	167,038
2040	6,292	(75,738)	(9)	8,902	1	(103,735)	176,704

Note: Negative portfolio generation costs in the EWD scenario result from how NIPSCO accounts for the Clean Energy Standard for modeling purposes. In Aurora, every "clean" MWh is assumed to receive a credit for a sale at the REC or "CEC" price. NIPSCO then "buys back" its load requirement through the "Gross REC Purchase Cost" line item in the Rev Req Components tabs, resulting in a net customer cost benefit only accruing for clean energy *above* the standard.

Confidential - Excluded from public access per A.R. 9(G)

Existing Fleet Portfolio Summary by Scenario

Component	Description
Portfolio Generation Cost	The total variable costs associated with operating the portfolio, including fuel, emissions, VOM, contract (PPA) costs, and net market purchases from the MISO energy market
Resource Cost	The sum of all variable costs associated with owned generating assets, including fuel, emissions, and VOM
Contract Purchases Cost	The sum of all contract or PPA costs plus costs associated with new DSM programs
Market Sales Cost	Costs associated with energy market sales to MISO
Market Purchases Cost	Costs associated with energy market purchases from MISO

Portfolio Name:	Retirement 6
Scenario	Reference

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,819	282,023	26	103,952	57	(85,211)	38,056
2022	316,067	236,422	23	114,186	58	(73,897)	39,311
2023	305,828	201,943	20	169,324	48	(101,324)	35,466
2024	248,325	172,316	16	191,836	42	(145,889)	29,637
2025	252,010	167,495	16	190,036	42	(141,385)	35,435
2026	295,052	154,954	18	234,609	43	(152,637)	57,724
2027	303,433	136,764	17	238,791	44	(135,711)	63,179
2028	317,883	119,296	16	242,142	44	(124,954)	80,989
2029	295,604	146,806	18	219,841	40	(140,493)	68,992
2030	300,202	143,881	18	240,037	40	(158,151)	73,996
2031	308,278	146,662	19	252,712	41	(164,192)	72,679
2032	310,279	149,848	19	252,836	40	(166,150)	73,306
2033	315,173	152,099	20	252,604	40	(165,663)	75,731
2034	318,642	157,403	20	253,313	40	(169,051)	76,571
2035	321,225	161,693	21	286,664	41	(204,100)	76,584
2036	321,635	145,667	20	294,203	40	(213,667)	95,040
2037	318,361	176,113	23	292,161	40	(224,987)	74,687
2038	329,870	189,709	24	289,693	41	(226,241)	76,331
2039	347,089	206,216	26	276,294	41	(223,057)	87,253
2040	356,116	214,773	26	291,701	42	(237,999)	87,261

Portfolio Name:	Retirement 6
Scenario	Aggressive Environmental Regulation

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,395	282,344	26	103,952	57	(85,822)	37,920
2022	322,318	242,646	23	114,187	58	(74,061)	39,502
2023	316,083	190,346	20	170,437	49	(90,721)	45,582
2024	273,950	187,243	19	191,225	43	(149,482)	44,554
2025	284,667	168,627	19	188,812	42	(132,941)	59,822
2026	311,785	123,923	16	233,871	43	(130,113)	83,739
2027	326,544	99,840	15	238,067	44	(116,387)	104,641
2028	345,791	88,645	14	241,154	44	(106,562)	122,186
2029	341,204	110,374	17	218,804	40	(106,445)	118,125
2030	347,509	116,235	18	235,794	40	(130,613)	125,746
2031	359,479	149,701	22	246,641	40	(159,876)	122,660
2032	373,531	184,796	26	247,954	40	(183,522)	123,935
2033	390,274	210,022	29	250,143	40	(203,010)	132,771
2034	411,928	222,847	32	253,452	40	(219,967)	155,257
2035	408,026	226,642	34	289,013	41	(287,299)	179,333
2036	424,907	184,047	30	296,809	40	(273,137)	216,859
2037	428,691	227,940	35	293,870	41	(278,052)	184,604
2038	448,606	218,911	35	292,070	41	(268,156)	205,452
2039	490,579	221,496	35	277,216	42	(253,673)	245,208
2040	490,602	217,612	35	293,089	42	(276,246)	255,825

Portfolio Name:	Retirement 6
Scenario	Status Quo Extended

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	337,127	281,969	26	103,952	57	(86,195)	37,402
2022	307,234	230,607	22	114,185	58	(74,868)	37,264
2023	260,734	202,247	19	169,379	48	(127,133)	15,876
2024	202,675	172,640	15	192,972	42	(172,837)	9,563
2025	205,825	164,384	15	192,903	42	(163,169)	11,375
2026	232,027	133,989	14	237,807	43	(159,996)	19,848
2027	240,009	120,628	13	241,578	43	(141,690)	19,101
2028	253,215	103,812	12	244,635	43	(125,930)	30,294
2029	227,449	123,959	14	222,108	40	(139,958)	20,929
2030	236,437	119,111	14	242,260	40	(149,921)	24,567
2031	244,725	123,162	14	254,807	40	(154,966)	21,320
2032	245,042	124,057	14	255,030	40	(155,854)	21,404
2033	248,240	125,591	14	254,591	40	(152,617)	20,273
2034	249,983	122,911	14	255,268	40	(152,295)	23,679
2035	262,693	127,536	15	288,378	41	(174,260)	20,653
2036	268,397	108,576	14	295,784	40	(169,546)	33,197
2037	263,091	130,242	15	293,744	40	(182,262)	20,984
2038	269,157	125,700	15	290,975	41	(175,042)	27,142
2039	272,366	137,130	16	277,842	41	(171,836)	28,851
2040	280,414	141,433	17	293,066	42	(183,146)	28,686

Portfolio Name:	Retirement 6
Scenario	Economy-Wide Decarbonization

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,623	279,553	25	103,755	57	(83,155)	38,470
2022	310,568	215,545	21	114,027	58	(65,701)	46,696
2023	268,970	171,838	17	140,752	40	(85,196)	41,488
2024	202,774	127,760	12	159,005	35	(122,262)	38,083
2025	218,356	119,382	12	160,676	36	(106,231)	44,264
2026	180,544	43,693	5	165,320	31	(94,387)	65,734
2027	122,686	(19,604)	(3)	132,408	24	(73,122)	82,848
2028	57,255	(85,783)	(13)	94,577	17	(55,056)	103,362
2029	(37,329)	(121,393)	(17)	34,564	6	(46,627)	95,997
2030	(106,259)	(154,994)	(22)	3,152	1	(54,887)	100,321
2031	(128,998)	(154,588)	(21)	(10,451)	(2)	(61,497)	97,399
2032	(157,273)	(171,985)	(23)	(27,431)	(4)	(59,160)	101,150
2033	(164,983)	(183,982)	(25)	(34,092)	(5)	(55,790)	108,715
2034	(174,572)	(187,638)	(25)	(43,656)	(7)	(58,387)	114,956
2035	(190,251)	(163,313)	(21)	(47,717)	(7)	(87,621)	108,247
2036	(180,316)	(174,634)	(24)	(56,519)	(8)	(90,471)	141,170
2037	(149,427)	(117,070)	(14)	(39,132)	(5)	(104,167)	110,774
2038	(118,628)	(105,118)	(13)	(30,538)	(4)	(104,299)	121,188
2039	(61,703)	(88,347)	(11)	(12,811)	(2)	(103,104)	142,405
2040	(34,962)	(75,738)	(9)	3,465	0	(114,547)	151,699

Note: Negative portfolio generation costs in the EWD scenario result from how NIPSCO accounts for the Clean Energy Standard for modeling purposes. In Aurora, every "clean" MWh is assumed to receive a credit for a sale at the REC or "CEC" price. NIPSCO then "buys back" its load requirement through the "Gross REC Purchase Cost" line item in the Rev Req Components tabs, resulting in a net customer cost benefit only accruing for clean energy *above* the standard.

Existing Fleet Portfolio Summary by Scenario

Component	Description
Portfolio Generation Cost	The total variable costs associated with operating the portfolio, including fuel, emissions, VOM, contract (PPA) costs, and net market purchases from the MISO energy market
Resource Cost	The sum of all variable costs associated with owned generating assets, including fuel, emissions, and VOM
Contract Purchases Cost	The sum of all contract or PPA costs plus costs associated with new DSM programs
Market Sales Cost	Costs associated with energy market sales to MISO
Market Purchases Cost	Costs associated with energy market purchases from MISO

Portfolio Name:	Retirement 7
Scenario	Reference

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,819	282,023	26	103,952	57	(85,211)	38,056
2022	316,067	236,422	23	114,186	58	(73,897)	39,311
2023	305,828	201,943	20	169,324	48	(101,324)	35,466
2024	246,370	172,316	16	188,053	42	(144,537)	30,113
2025	249,639	167,495	16	186,088	40	(141,719)	37,054
2026	285,195	206,059	21	243,544	41	(204,096)	38,698
2027	291,849	214,580	22	247,597	40	(215,851)	44,187
2028	310,207	143,187	18	250,916	40	(164,755)	79,496
2029	293,932	124,812	17	228,366	37	(145,495)	84,796
2030	298,078	122,746	17	254,829	37	(167,189)	86,221
2031	305,492	125,037	17	271,410	38	(175,232)	82,784
2032	321,528	56,520	10	322,259	39	(187,083)	128,311
2033	332,978	8,771	2	353,352	39	(189,646)	158,977
2034	334,752	8,538	2	353,342	39	(191,993)	163,330
2035	340,033	8,680	2	386,107	40	(218,357)	162,091
2036	330,237	8,833	2	393,206	39	(239,830)	166,489
2037	332,436	8,952	2	390,413	39	(249,546)	181,062
2038	343,951	9,101	2	387,295	40	(253,585)	199,575
2039	360,643	9,242	2	373,234	40	(248,106)	224,698
2040	367,762	9,404	2	388,183	41	(261,184)	229,781

Portfolio Name:	Retirement 7
Scenario	Aggressive Environmental Regulation

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,395	282,344	26	103,952	57	(85,822)	37,920
2022	322,318	242,646	23	114,187	58	(74,061)	39,502
2023	316,247	190,346	20	170,600	49	(90,721)	45,582
2024	272,018	187,243	19	188,068	42	(148,616)	44,913
2025	282,367	168,627	19	186,210	41	(133,229)	60,160
2026	296,793	181,520	20	243,622	41	(182,828)	53,567
2027	307,143	188,814	21	247,708	40	(194,475)	63,870
2028	335,453	118,030	17	251,025	40	(141,137)	106,281
2029	332,876	90,943	15	229,017	37	(108,777)	120,360
2030	334,466	97,717	16	250,642	37	(139,015)	123,781
2031	343,157	125,486	19	265,522	37	(170,278)	120,998
2032	343,973	57,323	11	315,316	38	(214,643)	184,498
2033	347,645	8,190	2	349,869	39	(253,202)	241,353
2034	355,227	7,894	2	354,490	40	(277,873)	269,310
2035	336,068	7,884	2	389,204	41	(351,229)	288,805
2036	333,661	7,845	2	394,489	40	(360,552)	290,489
2037	339,716	7,872	2	390,319	40	(372,011)	312,142
2038	354,446	7,902	2	388,883	40	(378,896)	335,159
2039	391,310	8,067	2	373,979	41	(369,019)	376,877
2040	387,887	8,393	2	390,419	41	(393,961)	381,660

Portfolio Name:	Retirement 7
Scenario	Status Quo Extended

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	337,127	281,969	26	103,952	57	(86,195)	37,402
2022	307,234	230,607	22	114,185	58	(74,868)	37,264
2023	260,734	202,247	19	169,379	48	(127,133)	15,876
2024	201,205	172,640	15	188,141	42	(170,061)	10,147
2025	204,301	164,384	15	186,192	41	(159,493)	12,601
2026	226,150	168,632	15	243,549	41	(199,401)	12,384
2027	232,911	175,996	16	247,586	40	(206,438)	14,418
2028	250,976	116,371	13	250,884	40	(153,592)	35,916
2029	231,792	103,920	12	228,398	37	(136,011)	34,063
2030	242,634	100,021	12	254,867	38	(149,165)	35,479
2031	251,860	103,198	13	271,468	38	(156,481)	32,239
2032	286,186	48,068	8	322,324	39	(153,788)	68,126
2033	310,857	8,765	2	353,294	39	(144,147)	91,429
2034	311,098	8,538	2	353,331	39	(144,508)	92,191
2035	325,818	8,680	2	386,124	40	(158,105)	87,623
2036	322,753	8,833	2	393,243	39	(168,729)	87,903
2037	323,014	8,952	2	390,467	40	(172,069)	94,164
2038	326,791	9,101	2	387,326	40	(173,110)	101,940
2039	331,404	9,242	2	373,261	40	(167,256)	114,609
2040	339,051	9,404	2	388,231	41	(175,993)	115,880

Portfolio Name:	Retirement 7
Scenario	Economy-Wide Decarbonization

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,623	279,553	25	103,755	57	(83,155)	38,470
2022	310,568	215,545	21	114,027	58	(65,701)	46,696
2023	269,102	171,838	17	140,884	40	(85,196)	41,488
2024	201,572	127,760	12	156,124	35	(121,151)	38,650
2025	215,691	119,382	12	156,800	34	(105,448)	44,365
2026	161,872	86,014	9	168,457	28	(133,772)	40,309
2027	91,714	50,154	5	131,673	21	(133,804)	42,488
2028	39,939	(66,001)	(9)	96,939	15	(76,415)	84,167
2029	(51,535)	(136,983)	(21)	34,723	6	(47,589)	97,048
2030	(128,817)	(171,023)	(26)	315	0	(57,505)	98,100
2031	(155,445)	(173,498)	(25)	(15,304)	(2)	(65,010)	97,093
2032	(231,313)	(247,589)	(46)	(50,752)	(6)	(72,129)	137,851
2033	(273,634)	(286,266)	(62)	(71,104)	(8)	(79,705)	162,095
2034	(288,216)	(299,124)	(65)	(85,484)	(10)	(79,936)	175,024
2035	(298,713)	(296,240)	(65)	(90,730)	(9)	(99,506)	186,500
2036	(299,158)	(287,897)	(63)	(99,439)	(10)	(107,657)	194,588
2037	(250,415)	(275,970)	(61)	(78,018)	(8)	(117,609)	219,926
2038	(212,978)	(272,222)	(60)	(68,437)	(7)	(118,664)	245,128
2039	(150,977)	(267,817)	(59)	(48,181)	(5)	(113,058)	276,842
2040	(119,010)	(259,907)	(58)	(26,740)	(3)	(120,612)	287,020

Note: Negative portfolio generation costs in the EWD scenario result from how NIPSCO accounts for the Clean Energy Standard for modeling purposes. In Aurora, every "clean" MWh is assumed to receive a credit for a sale at the REC or "CEC" price. NIPSCO then "buys back" its load requirement through the "Gross REC Purchase Cost" line item in the Rev Req Components tabs, resulting in a net customer cost benefit only accruing for clean energy *above* the standard.

Existing Fleet Portfolio Summary by Scenario

Component	Description
Portfolio Generation Cost	The total variable costs associated with operating the portfolio, including fuel, emissions, VOM, contract (PPA) costs, and net market purchases from the MISO energy market
Resource Cost	The sum of all variable costs associated with owned generating assets, including fuel, emissions, and VOM
Contract Purchases Cost	The sum of all contract or PPA costs plus costs associated with new DSM programs
Market Sales Cost	Costs associated with energy market sales to MISO
Market Purchases Cost	Costs associated with energy market purchases from MISO

Portfolio Name:	Retirement 7H
Scenario	Reference

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,819	282,023	26	103,952	57	(85,211)	38,056
2022	316,067	236,422	23	114,186	58	(73,897)	39,311
2023	305,828	201,943	20	169,324	48	(101,324)	35,466
2024	246,430	172,316	16	188,114	42	(144,537)	30,113
2025	270,480	167,495	16	213,320	45	(147,464)	36,408
2026	315,764	210,754	21	277,893	47	(209,736)	36,157
2027	318,301	232,574	22	280,692	47	(230,151)	34,466
2028	337,839	159,611	19	284,826	47	(175,675)	68,349
2029	320,852	145,130	18	264,093	44	(158,408)	69,247
2030	325,687	141,966	18	290,994	44	(180,541)	72,485
2031	334,391	145,574	19	307,835	44	(189,514)	69,720
2032	336,489	149,476	19	308,146	44	(192,271)	70,339
2033	340,747	151,667	20	308,747	44	(191,812)	71,368
2034	343,675	156,082	20	310,389	44	(195,675)	72,097
2035	346,779	159,214	21	345,162	44	(228,632)	70,276
2036	345,918	141,360	20	354,198	43	(236,499)	86,086
2037	344,649	173,170	23	352,616	44	(252,809)	70,896
2038	355,998	184,051	24	353,332	45	(255,836)	73,678
2039	373,004	199,882	25	341,441	45	(253,524)	84,425
2040	382,047	208,014	26	357,698	46	(268,227)	83,783

Portfolio Name:	Retirement 7H
Scenario	Aggressive Environmental Regulation

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,395	282,344	26	103,952	57	(85,822)	37,920
2022	322,318	242,646	23	114,187	58	(74,061)	39,502
2023	316,083	190,346	20	170,437	49	(90,721)	45,582
2024	272,073	187,243	19	188,130	42	(148,619)	44,909
2025	301,577	168,627	19	211,967	45	(138,103)	58,487
2026	322,861	190,474	21	275,252	46	(193,268)	49,763
2027	330,655	211,399	23	278,227	46	(212,936)	53,300
2028	360,997	138,397	19	282,239	46	(155,683)	95,379
2029	359,395	111,507	17	261,930	43	(121,311)	106,593
2030	360,987	115,156	18	285,335	43	(152,306)	112,123
2031	369,125	147,371	22	301,825	43	(188,143)	107,360
2032	379,468	180,115	26	308,468	43	(218,820)	108,966
2033	401,610	206,960	29	321,820	45	(243,796)	115,916
2034	420,351	218,755	31	327,711	46	(263,305)	136,496
2035	412,446	221,335	33	365,051	47	(330,476)	155,843
2036	428,895	178,780	29	373,170	46	(311,120)	187,383
2037	433,680	223,142	35	370,152	46	(326,039)	165,741
2038	453,564	219,949	35	367,560	47	(319,777)	185,145
2039	486,934	247,185	38	353,159	47	(316,300)	202,201
2040	472,576	283,023	40	366,527	48	(361,606)	183,958

Portfolio Name:	Retirement 7H
Scenario	Status Quo Extended

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	337,127	281,969	26	103,952	57	(86,195)	37,402
2022	307,234	230,607	22	114,185	58	(74,868)	37,264
2023	260,734	202,247	19	169,379	48	(127,133)	15,876
2024	201,266	172,640	15	188,202	42	(170,061)	10,147
2025	221,264	164,384	15	217,733	44	(172,957)	11,488
2026	253,750	172,981	16	280,902	45	(211,609)	10,793
2027	256,719	190,379	17	282,987	46	(226,001)	8,643
2028	276,085	128,356	14	286,701	46	(167,342)	27,636
2029	256,747	118,775	14	264,987	43	(151,574)	23,810
2030	268,303	113,941	13	291,738	43	(164,543)	26,410
2031	278,815	118,868	14	308,706	43	(172,657)	23,153
2032	279,593	120,443	14	309,314	43	(174,106)	23,187
2033	282,688	121,486	14	309,755	43	(171,080)	21,754
2034	284,584	118,712	14	310,601	43	(169,725)	24,202
2035	298,530	123,429	15	344,578	44	(191,255)	21,022
2036	304,097	104,342	14	352,123	43	(184,849)	31,722
2037	300,961	127,301	15	350,557	43	(199,385)	21,734
2038	308,108	123,034	15	348,367	44	(192,033)	27,973
2039	311,348	133,531	16	336,583	44	(188,816)	29,281
2040	319,807	137,858	17	352,460	45	(200,127)	28,855

Portfolio Name:	Retirement 7H
Scenario	Economy-Wide Decarbonization

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,623	279,553	25	103,755	57	(83,155)	38,470
2022	310,568	215,545	21	114,027	58	(65,701)	46,696
2023	268,970	171,838	17	140,752	40	(85,196)	41,488
2024	201,202	127,760	12	155,760	35	(121,155)	38,648
2025	231,742	119,382	12	180,958	38	(111,595)	42,405
2026	186,157	88,313	9	199,733	33	(140,310)	37,896
2027	112,598	61,854	6	161,154	27	(146,110)	35,196
2028	61,054	(56,982)	(7)	124,493	20	(84,239)	77,262
2029	(31,757)	(126,048)	(18)	62,968	10	(54,377)	85,191
2030	(109,693)	(160,598)	(23)	28,144	4	(65,627)	87,857
2031	(138,033)	(162,107)	(22)	14,067	2	(74,471)	83,962
2032	(224,079)	(202,081)	(24)	(4,220)	(1)	(91,096)	72,780
2033	(294,406)	(249,582)	(27)	(3,789)	(1)	(101,235)	59,641
2034	(340,527)	(299,542)	(33)	(13,839)	(2)	(100,820)	73,138
2035	(397,281)	(317,949)	(34)	(18,562)	(2)	(131,948)	70,655
2036	(319,944)	(272,086)	(32)	(24,293)	(3)	(128,959)	104,886
2037	(275,740)	(210,566)	(23)	(776)	(0)	(148,668)	83,740
2038	(202,031)	(175,963)	(20)	15,692	2	(143,665)	101,406
2039	(110,795)	(130,334)	(15)	38,904	5	(138,350)	118,470
2040	(42,459)	(98,280)	(12)	60,597	8	(139,015)	133,722

Note: Negative portfolio generation costs in the EWD scenario result from how NIPSCO accounts for the Clean Energy Standard for modeling purposes. In Aurora, every "clean" MWh is assumed to receive a credit for a sale at the REC or "CEC" price. NIPSCO then "buys back" its load requirement through the "Gross REC Purchase Cost" line item in the Rev Req Components tabs, resulting in a net customer cost benefit only accruing for clean energy *above* the standard.

Existing Fleet Portfolio Contract Summary by Scenario

Note that for modeling purposes, congestion expectations are incorporated in contract prices for certain renewable contracts

Portfolio:	Retirements 1
Scenario:	Reference

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Capacity Purchase 200 MW PY2022/23										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]			-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Short Term Capacity #4										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Barton Wind Contract										
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
Buffalo Ridge Contract										
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
DSM_Residential_FiledPlan										
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237	110,526
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-	-
Jordan Creek										
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072

LFIT - Biomass										
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-	-
LFIT - Biomass FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0										
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542	22,449
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-	-
LFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187	6,162
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928	924
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219	6,193
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858	855
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0										
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-	-
LFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
920	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-
6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	-	-	-	-
478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	441	440	440	440	441	-	-	-	-
138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar										
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250	430,468
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Gibson Solar										
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499	594,040
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Green River Solar										
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321	466,390
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Solar)										
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333	212,453
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Storage)										
Contract Energy (MWh)	-	(188)	(3,166)	(3,547)	(3,696)	(4,284)	(4,446)	(4,870)	(5,081)	(5,234)
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA INCR II Wind										
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945	679,945
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]									
590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]									
463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]									
211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]									
(5,419)	(5,438)	(5,515)	(5,559)	(5,604)	(5,680)	(5,686)	(5,776)	(5,759)	(5,799)
[redacted]									
679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]									

SFIT - Solar FIT 1.0										
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088	1,084
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-	-
SFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140	139
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777	774
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122	121
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0										
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-	-
SFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
139	138	137	136	136	136	134	134	133	133
24	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-
770	768	762	758	755	753	747	744	740	738
120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	262
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan										
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775	232,227
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437	350,646
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240	-
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25	-
DSM_C&I_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	64,846
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	9,999
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	154
DSM_C&I_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850	107,240
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865	-
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62	-
DSM_Res Tier 1_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	73,809
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	10,670
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	145
DSM_Res Tier 1_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-
224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	159	83	57	44	36
99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Generic Solar_Ref_PPA_2030										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2032										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2039										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2040										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	515,880	837,531	833,128	829,605	826,855	820,798	817,275	812,872	810,089
-	25,309	41,089	40,873	40,700	40,566	40,268	40,096	39,879	39,743
-	49	49	49	49	49	49	49	49	49
-	-	-	-	635,406	1,033,569	1,025,998	1,021,594	1,016,090	1,012,611
-	-	-	-	32,120	52,247	51,864	51,642	51,363	51,187
-	-	-	-	51	51	51	51	51	51
-	-	-	-	-	-	-	-	249,036	405,044
-	-	-	-	-	-	-	-	13,211	21,488
-	-	-	-	-	-	-	-	53	53
-	-	-	-	-	-	-	-	-	123,844
-	-	-	-	-	-	-	-	-	6,648
-	-	-	-	-	-	-	-	-	54

Hydrogen P1										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Other Thermal P1										
Contract Energy (MWh)	-	-	-	42,847	43,030	27,404	21,102	22,654	27,429	24,980
Contract Cost ($000s)	-	-	-	3,783	5,323	4,698	4,442	4,570	4,849	4,769
Contract Cost ($/MWh)	-	-	-	88	124	171	210	202	177	191
Other Thermal P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	2,555	4,464	4,560	4,644	4,740
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Solar P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Storage P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Wind P1										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
22,253	18,449	18,211	20,064	22,830	23,968	23,597	26,313	27,535	28,768
4,667	4,481	4,506	4,647	4,845	4,963	4,973	5,205	5,350	5,488
210	243	247	232	212	207	211	198	194	191
-	-	-	-	-	-	-	-	-	-
4,836	4,932	5,028	5,136	5,232	5,340	5,448	5,556	5,664	5,784
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Portfolio:	Retirements 1
Scenario:	Aggressive Environmental Regulation

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Capacity Purchase 200 MW PY2022/23										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]			-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Gap MW_Portfolio 1_AER										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]	-	-	-	-	-	-	204
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Short Term Capacity #4										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Barton Wind Contract										
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
Buffalo Ridge Contract										
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
DSM_Residential_FiledPlan										
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237	110,526
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-	-
Jordan Creek										
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
1,879	2,164	4,727	7,528	9,634	10,165	9,348	10,418	8,960	9,837
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072

LFIT - Biomass										
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-	-
LFIT - Biomass FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0										
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542	22,449
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-	-
LFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187	6,162
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928	924
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219	6,193
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858	855
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0										
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-	-
LFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
920	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-
6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	-	-	-	-
478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	441	440	440	440	441	-	-	-	-
138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar										
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250	430,468
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Gibson Solar										
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499	594,040
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Green River Solar										
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321	466,390
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Solar)										
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333	212,453
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Storage)										
Contract Energy (MWh)	-	(225)	(3,459)	(3,636)	(3,800)	(4,243)	(4,434)	(4,861)	(5,437)	(5,445)
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA INCR II Wind										
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945	679,945
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]									
590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]									
463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]									
211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]									
(5,657)	(5,739)	(5,698)	(5,669)	(5,707)	(5,772)	(5,757)	(5,726)	(5,739)	(5,697)
[redacted]									
679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]									

SFIT - Solar FIT 1.0										
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088	1,084
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-	-
SFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140	139
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777	774
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122	121
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0										
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-	-
SFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
139	138	137	136	136	136	134	134	133	133
24	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-
770	768	762	758	755	753	747	744	740	738
120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	262
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan										
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775	232,227
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437	350,646
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240	-
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25	-
DSM_C&I_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	64,846
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	9,999
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	154
DSM_C&I_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850	107,240
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865	-
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62	-
DSM_Res Tier 1_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	73,809
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	10,670
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	145
DSM_Res Tier 1_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-
224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	159	83	57	44	36
99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Generic Solar_AER_PPA_2030										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2032										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2039										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2040										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	515,880	837,531	833,128	829,605	826,855	820,798	817,275	812,872	810,089
-	25,309	41,089	40,873	40,700	40,566	40,268	40,096	39,879	39,743
-	49	49	49	49	49	49	49	49	49
-	-	-	-	635,406	1,033,569	1,025,998	1,021,594	1,016,090	1,012,611
-	-	-	-	32,120	52,247	51,864	51,642	51,363	51,187
-	-	-	-	51	51	51	51	51	51
-	-	-	-	-	-	-	-	249,036	405,044
-	-	-	-	-	-	-	-	13,211	21,488
-	-	-	-	-	-	-	-	53	53
-	-	-	-	-	-	-	-	-	123,844
-	-	-	-	-	-	-	-	-	6,648
-	-	-	-	-	-	-	-	-	54

Hydrogen P1_5 Percent H2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P1_95 Percent Gas										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P1_Full H2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Other Thermal P1										
Contract Energy (MWh)	-	-	-	24,021	11,106	8,538	4,587	2,353	4,421	3,825
Contract Cost ($000s)	-	-	-	3,158	4,016	3,923	3,690	3,540	3,701	3,671
Contract Cost ($/MWh)	-	-	-	131	362	459	805	1,505	837	960
Other Thermal P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	2,555	4,464	4,560	4,644	4,740
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Solar P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Storage P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Wind P1										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
5,055	5,912	4,222	3,419	7,093	4,957	4,074	2,328	3,594	1,397
3,786	3,865	3,738	3,679	4,021	3,853	3,782	3,611	3,748	3,515
749	654	885	1,076	567	777	928	1,551	1,043	2,516
-	-	-	-	-	-	-	-	-	-
4,836	4,932	5,028	5,136	5,232	5,340	5,448	5,556	5,664	5,784
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Portfolio:	Retirements 1
Scenario:	Status Quo Extended

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Capacity Purchase 200 MW PY2022/23										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Short Term Capacity #4										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Barton Wind Contract										
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
Buffalo Ridge Contract										
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
DSM_Residential_FiledPlan										
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237	110,526
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-	-
Jordan Creek										
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
1,285,776	1,288,072	1,285,513	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072
[redacted]									

LFIT - Biomass										
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-	-
LFIT - Biomass FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0										
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542	22,449
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-	-
LFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187	6,162
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928	924
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219	6,193
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858	855
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0										
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-	-
LFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
22,333	22,281	22,088	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
6,130	6,116	6,063	6,065	6,039	6,024	5,975	5,949	5,917	5,902
920	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-
6,161	6,146	6,093	6,065	6,039	6,024	5,975	5,949	5,917	5,902
850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	-	-	-	-
478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
3,185	3,196	3,184	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	441	439	440	440	441	-	-	-	-
138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar										
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250	430,468
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Gibson Solar										
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499	594,040
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Green River Solar										
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321	466,390
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Solar)										
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333	212,453
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Storage)										
Contract Energy (MWh)	-	(156)	(3,514)	(3,686)	(4,076)	(4,384)	(4,500)	(4,865)	(5,040)	(5,091)
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA INCR II Wind										
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945	679,945
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

428,240	427,002	423,542	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]									
590,965	590,176	584,619	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]									
463,976	462,653	458,882	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]									
211,353	210,776	209,101	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]									
(5,222)	(5,291)	(5,492)	(5,550)	(5,562)	(5,583)	(5,617)	(5,610)	(5,699)	(5,726)
[redacted]									
679,945	682,074	679,875	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]									

SFIT - Solar FIT 1.0										
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088	1,084
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-	-
SFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140	139
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777	774
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122	121
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0										
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-	-
SFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

1,078	1,076	1,066	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
139	138	137	136	136	136	134	134	133	133
24	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-
770	768	762	758	755	753	747	744	740	738
120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	262
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan										
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775	232,227
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437	350,646
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240	-
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25	-
DSM_C&I_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	64,846
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	9,999
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	154
DSM_C&I_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850	107,240
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865	-
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62	-
DSM_Res Tier 1_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	73,809
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	10,670
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	145
DSM_Res Tier 1_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-
224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	159	83	57	44	36
99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Generic Solar_SQE_PPA_2030										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2032										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2039										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2040										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	515,880	837,531	833,128	829,605	826,855	820,798	817,275	812,872	810,089
-	25,309	41,089	40,873	40,700	40,566	40,268	40,096	39,879	39,743
-	49	49	49	49	49	49	49	49	49
-	-	-	-	635,406	1,033,569	1,025,998	1,021,594	1,016,090	1,012,611
-	-	-	-	32,120	52,247	51,864	51,642	51,363	51,187
-	-	-	-	51	51	51	51	51	51
-	-	-	-	-	-	-	-	249,036	405,044
-	-	-	-	-	-	-	-	13,211	21,488
-	-	-	-	-	-	-	-	53	53
-	-	-	-	-	-	-	-	-	123,844
-	-	-	-	-	-	-	-	-	6,648
-	-	-	-	-	-	-	-	-	54

Hydrogen P1										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Other Thermal P1										
Contract Energy (MWh)	-	-	-	93,095	149,565	137,229	113,300	106,370	105,881	102,192
Contract Cost ($000s)	-	-	-	4,831	8,093	7,873	7,209	7,056	7,069	6,973
Contract Cost ($/MWh)	-	-	-	52	54	57	64	66	67	68
Other Thermal P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	2,555	4,464	4,560	4,644	4,740
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Solar P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Storage P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Wind P1										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
93,148	88,865	84,133	83,139	82,124	79,590	78,982	75,425	81,848	79,408
6,745	6,640	6,551	6,615	6,560	6,539	6,552	6,491	6,895	6,848
72	75	78	80	80	82	83	86	84	86
-	-	-	-	-	-	-	-	-	-
4,836	4,932	5,028	5,136	5,232	5,340	5,448	5,556	5,664	5,784
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Portfolio:	Retirements 1
Scenario:	Economy-wide Decarbonization

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Capacity Purchase 200 MW PY2022/23										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Gap MW_Portfolio 1_EWD										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	1,305	120	1,700	555	-	4,450	8,553	12,731
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Short Term Capacity #4										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Barton Wind Contract										
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)	[redacted]				-	-	-	-	-	-
Buffalo Ridge Contract										
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)	[redacted]				-	-	-	-	-	-
DSM_Residential_FiledPlan										
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237	110,526
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-	-
Jordan Creek										
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)	[redacted]									

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
16,119	18,985	21,662	25,230	28,344	30,777	31,656	35,553	39,620	46,498
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
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107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072

LFIT - Biomass										
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-	-
Contract Cost ($000s)	13,381	13,649	12,897	13,356	13,628	13,190	12,620	11,984	-	-
Contract Cost ($/MWh)	127	129	122	126	129	125	120	113	-	-
LFIT - Biomass FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0										
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542	22,449
Contract Cost ($000s)	7,222	7,366	7,288	7,454	7,552	7,511	7,442	7,376	-	-
Contract Cost ($/MWh)	311	317	314	321	328	328	327	325	-	-
LFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187	6,162
Contract Cost ($000s)	957	957	895	902	896	848	793	734	664	619
Contract Cost ($/MWh)	150	150	140	142	142	135	127	118	107	100
LFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219	6,193
Contract Cost ($000s)	487	885	823	829	824	777	721	662	593	547
Contract Cost ($/MWh)	138	138	128	130	130	123	115	106	95	88
LFIT - Wind FIT 1.0										
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478	478
Contract Cost ($000s)	93	95	92	95	97	96	94	92	-	-
Contract Cost ($/MWh)	195	199	193	199	203	201	197	192	-	-
LFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185
Contract Cost ($000s)	-	440	409	414	414	392	366	338	304	281
Contract Cost ($/MWh)	-	138	128	130	130	123	115	106	95	88

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-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
596	-	-	-	-	-	-	-	-	-
97	-	-	-	-	-	-	-	-	-
6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
525	499	483	463	464	472	-	-	-	-
85	81	79	76	77	78	-	-	-	-
478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
271	260	252	243	245	250	-	-	-	-
85	81	79	76	77	78	-	-	-	-

RFP PPA Brickyard Solar										
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250	430,468
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Gibson Solar										
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499	594,040
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Green River Solar										
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321	466,390
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Solar)										
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333	212,453
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Storage)										
Contract Energy (MWh)	-	(45)	(1,391)	(2,177)	(3,001)	(3,032)	(2,695)	(2,914)	(2,382)	(2,797)
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA INCR II Wind										
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945	679,945
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]									
590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]									
463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]									
211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]									
(3,155)	(2,642)	(2,988)	(3,066)	(3,236)	(2,893)	(3,775)	(2,844)	(2,943)	(3,786)
[redacted]									
679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]									

SFIT - Solar FIT 1.0										
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088	1,084
Contract Cost ($000s)	402	410	408	417	422	421	418	416	-	-
Contract Cost ($/MWh)	359	366	363	372	380	381	381	379	-	-
SFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140	139
Contract Cost ($000s)	25	25	23	23	23	22	21	19	18	17
Contract Cost ($/MWh)	170	170	160	162	162	155	147	138	127	120
SFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777	774
Contract Cost ($000s)	75	100	118	118	118	112	105	97	88	83
Contract Cost ($/MWh)	156	156	147	148	148	141	133	124	114	107
SFIT - Wind FIT 1.0										
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-	-
Contract Cost ($000s)	8	8	8	9	9	9	9	8	-	-
Contract Cost ($/MWh)	259	265	260	267	273	271	269	266	-	-
SFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
139	138	137	136	136	136	134	134	133	133
16	-	-	-	-	-	-	-	-	-
117	-	-	-	-	-	-	-	-	-
770	768	762	758	755	753	747	744	740	738
80	77	74	72	72	73	-	-	-	-
104	100	98	95	95	97	-	-	-	-
-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	262
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan										
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775	232,227
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437	350,646
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240	-
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25	-
DSM_C&I_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	64,846
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	9,999
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	154
DSM_C&I_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850	107,240
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865	-
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62	-
DSM_Res Tier 1_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	73,809
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	10,670
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	145
DSM_Res Tier 1_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-
224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	159	83	57	44	36
99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Generic Solar_EWD_PPA_2030										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2032										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2039										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2040										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

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-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	515,880	837,531	833,128	829,605	826,855	820,798	817,275	812,872	810,089
-	(8,362)	(15,302)	(17,621)	(17,115)	(15,801)	(13,666)	(13,338)	(12,567)	(11,195)
-	(16)	(18)	(21)	(21)	(19)	(17)	(16)	(15)	(14)
-	-	-	-	635,406	1,033,569	1,025,998	1,021,594	1,016,090	1,012,611
-	-	-	-	(12,352)	(18,532)	(15,862)	(15,467)	(14,500)	(12,789)
-	-	-	-	(19)	(18)	(15)	(15)	(14)	(13)
-	-	-	-	-	-	-	-	249,036	405,044
-	-	-	-	-	-	-	-	(747)	(551)
-	-	-	-	-	-	-	-	(3)	(1)
-	-	-	-	-	-	-	-	-	123,844
-	-	-	-	-	-	-	-	-	(90)
-	-	-	-	-	-	-	-	-	(1)

Hydrogen P1_5 Percent H2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P1_95 Percent Gas										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P1_Full H2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Other Thermal P1										
Contract Energy (MWh)	-	-	-	39,374	37,861	27,954	24,433	17,181	20,760	22,239
Contract Cost ($000s)	-	-	-	3,647	5,094	4,713	4,605	4,281	4,490	4,616
Contract Cost ($/MWh)	-	-	-	93	135	169	188	249	216	208
Other Thermal P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	2,555	4,464	4,560	4,644	4,740
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Solar P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Storage P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Wind P1										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

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-	-	-	-	-	-	-	-	-	-
26,688	26,606	23,871	26,838	38,616	35,132	47,856	58,689	63,508	63,474
4,926	4,967	4,844	5,065	5,832	5,680	6,579	7,424	7,896	8,003
185	187	203	189	151	162	137	127	124	126
-	-	-	-	-	-	-	-	-	-
4,836	4,932	5,028	5,136	5,232	5,340	5,448	5,556	5,664	5,784
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Existing Fleet Portfolio Contract Summary by Scenario

Note that for modeling purposes, congestion expectations are incorporated in contract prices for certain renewable contracts

Portfolio:	Retirements 2
Scenario:	Reference

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Capacity Purchase 200 MW PY2022/23										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]			-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Short Term Capacity #4										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Barton Wind Contract										
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
Buffalo Ridge Contract										
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
DSM_Residential_FiledPlan										
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237	110,526
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-	-
Jordan Creek										
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072

LFIT - Biomass										
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-	-
LFIT - Biomass FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0										
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542	22,449
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-	-
LFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187	6,162
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928	924
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219	6,193
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858	855
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0										
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-	-
LFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
920	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-
6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	-	-	-	-
478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	441	440	440	440	441	-	-	-	-
138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar										
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250	430,468
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Gibson Solar										
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499	594,040
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Green River Solar										
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321	466,390
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Solar)										
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333	212,453
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Storage)										
Contract Energy (MWh)	-	(188)	(3,166)	(3,547)	(3,696)	(4,284)	(4,446)	(4,870)	(5,081)	(5,234)
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA INCR II Wind										
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945	679,945
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]									
590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]									
463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]									
211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]									
(5,419)	(5,438)	(5,515)	(5,559)	(5,604)	(5,680)	(5,686)	(5,776)	(5,759)	(5,799)
[redacted]									
679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]									

SFIT - Solar FIT 1.0										
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088	1,084
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-	-
SFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140	139
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777	774
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122	121
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0										
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-	-
SFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
139	138	137	136	136	136	134	134	133	133
24	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-
770	768	762	758	755	753	747	744	740	738
120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	262
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan										
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775	232,227
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437	350,646
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240	-
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25	-
DSM_C&I_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	64,846
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	9,999
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	154
DSM_C&I_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850	107,240
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865	-
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62	-
DSM_Res Tier 1_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	73,809
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	10,670
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	145
DSM_Res Tier 1_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-
224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	159	83	57	44	36
99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Generic Solar_Ref_PPA_2030										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	390,957
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	18,844
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	48
Generic Solar_Ref_PPA_2032										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2039										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2040										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

634,753	632,716	628,148	624,846	622,204	620,141	615,599	612,956	609,654	607,566
30,595	30,497	30,277	30,118	29,990	29,891	29,672	29,545	29,385	29,285
48	48	48	48	48	48	48	48	48	48
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	635,406	1,033,569	1,025,998	1,021,594	1,016,090	1,012,611
-	-	-	-	32,120	52,247	51,864	51,642	51,363	51,187
-	-	-	-	51	51	51	51	51	51
-	-	-	-	-	-	-	-	249,036	405,044
-	-	-	-	-	-	-	-	13,211	21,488
-	-	-	-	-	-	-	-	53	53
-	-	-	-	-	-	-	-	-	123,844
-	-	-	-	-	-	-	-	-	6,648
-	-	-	-	-	-	-	-	-	54

Hydrogen P1										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Other Thermal P1										
Contract Energy (MWh)	-	-	-	42,847	43,030	27,404	21,102	22,654	27,429	24,980
Contract Cost ($000s)	-	-	-	3,783	5,323	4,698	4,442	4,570	4,849	4,769
Contract Cost ($/MWh)	-	-	-	88	124	171	210	202	177	191
Other Thermal P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	2,555	4,464	4,560	4,644	4,740
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Solar P2										
Contract Energy (MWh)	-	-	-	-	-	216,869	215,768	215,097	213,566	212,685
Contract Cost ($000s)	-	-	-	-	-	8,957	9,075	9,213	9,311	9,328
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44	44
Storage P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Wind P1										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
22,253	18,449	18,211	20,064	22,830	23,968	23,597	26,313	27,535	28,768
4,667	4,481	4,506	4,647	4,845	4,963	4,973	5,205	5,350	5,488
210	243	247	232	212	207	211	198	194	191
-	-	-	-	-	-	-	-	-	-
4,836	4,932	5,028	5,136	5,232	5,340	5,448	5,556	5,664	5,784
-	-	-	-	-	-	-	-	-	-
211,584	210,905	209,383	208,282	207,401	206,714	205,200	204,319	203,218	202,522
9,337	9,366	9,357	9,366	9,422	9,486	9,513	9,570	9,616	9,683
44	44	45	45	45	46	46	47	47	48
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Portfolio:	Retirements 2
Scenario:	Aggressive Environmental Regulation

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Capacity Purchase 200 MW PY2022/23										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-	-
Gap MW_Portfolio 2_AER										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Short Term Capacity #4										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)		-	-	-	-	-	-	-	-	-
Barton Wind Contract										
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
Buffalo Ridge Contract										
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
DSM_Residential_FiledPlan										
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237	110,526
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-	-
Jordan Creek										
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	2,164	4,727	7,528	9,634	10,165	9,348	10,418	8,960	9,837
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072
[redacted]									

LFIT - Biomass										
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-	-
LFIT - Biomass FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0										
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542	22,449
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-	-
LFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187	6,162
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928	924
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219	6,193
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858	855
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0										
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-	-
LFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
920	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-
6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	-	-	-	-
478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	441	440	440	440	441	-	-	-	-
138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar										
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250	430,468
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Gibson Solar										
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499	594,040
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Green River Solar										
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321	466,390
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Solar)										
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333	212,453
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Storage)										
Contract Energy (MWh)	-	(225)	(3,459)	(3,636)	(3,800)	(4,243)	(4,434)	(4,861)	(5,437)	(5,445)
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA INCR II Wind										
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945	679,945
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]									
590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]									
463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]									
211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]									
(5,657)	(5,739)	(5,698)	(5,669)	(5,707)	(5,772)	(5,757)	(5,726)	(5,739)	(5,697)
[redacted]									
679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]									

SFIT - Solar FIT 1.0										
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088	1,084
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-	-
SFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140	139
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777	774
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122	121
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0										
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-	-
SFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
139	138	137	136	136	136	134	134	133	133
24	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-
770	768	762	758	755	753	747	744	740	738
120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	262
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan										
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775	232,227
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437	350,646
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240	-
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25	-
DSM_C&I_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	64,846
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	9,999
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	154
DSM_C&I_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850	107,240
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865	-
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62	-
DSM_Res Tier 1_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	73,809
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	10,670
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	145
DSM_Res Tier 1_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-
224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	159	83	57	44	36
99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Generic Solar_AER_PPA_2030										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	390,957
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	15,607
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	40
Generic Solar_AER_PPA_2032										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2039										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2040										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

634,753	632,716	628,148	624,846	622,204	620,141	615,599	612,956	609,654	607,566
25,339	25,258	25,076	24,944	24,838	24,756	24,575	24,469	24,337	24,254
40	40	40	40	40	40	40	40	40	40
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	635,406	1,033,569	1,025,998	1,021,594	1,016,090	1,012,611
-	-	-	-	32,120	52,247	51,864	51,642	51,363	51,187
-	-	-	-	51	51	51	51	51	51
-	-	-	-	-	-	-	-	249,036	405,044
-	-	-	-	-	-	-	-	13,211	21,488
-	-	-	-	-	-	-	-	53	53
-	-	-	-	-	-	-	-	-	123,844
-	-	-	-	-	-	-	-	-	6,648
-	-	-	-	-	-	-	-	-	54

Hydrogen P1_5 Percent H2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P1_95 Percent Gas										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P1_Full H2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Other Thermal P1										
Contract Energy (MWh)	-	-	-	24,021	11,106	8,538	4,587	2,353	4,421	3,825
Contract Cost ($000s)	-	-	-	3,158	4,016	3,923	3,690	3,540	3,701	3,671
Contract Cost ($/MWh)	-	-	-	131	362	459	805	1,505	837	960
Other Thermal P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	2,555	4,464	4,560	4,644	4,740
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Solar P2										
Contract Energy (MWh)	-	-	-	-	-	216,869	215,768	215,097	213,566	212,685
Contract Cost ($000s)	-	-	-	-	-	8,957	9,075	9,213	9,311	9,328
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44	44
Storage P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Wind P1										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
5,055	5,912	4,222	3,419	7,093	4,957	4,074	2,328	3,594	1,397
3,786	3,865	3,738	3,679	4,021	3,853	3,782	3,611	3,748	3,515
749	654	885	1,076	567	777	928	1,551	1,043	2,516
-	-	-	-	-	-	-	-	-	-
4,836	4,932	5,028	5,136	5,232	5,340	5,448	5,556	5,664	5,784
-	-	-	-	-	-	-	-	-	-
211,584	210,905	209,383	208,282	207,401	206,714	205,200	204,319	203,218	202,522
9,337	9,366	9,357	9,366	9,422	9,486	9,513	9,570	9,616	9,683
44	44	45	45	45	46	46	47	47	48
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Portfolio:	Retirements 2
Scenario:	Status Quo Extended

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Capacity Purchase 200 MW PY2022/23										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Short Term Capacity #4										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Barton Wind Contract										
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
Buffalo Ridge Contract										
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
DSM_Residential_FiledPlan										
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237	110,526
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-	-
Jordan Creek										
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
1,285,776	1,288,072	1,285,513	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072
[redacted]									

LFIT - Biomass										
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-	-
LFIT - Biomass FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0										
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542	22,449
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-	-
LFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187	6,162
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928	924
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219	6,193
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858	855
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0										
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-	-
LFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
22,333	22,281	22,088	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
6,130	6,116	6,063	6,065	6,039	6,024	5,975	5,949	5,917	5,902
920	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-
6,161	6,146	6,093	6,065	6,039	6,024	5,975	5,949	5,917	5,902
850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	-	-	-	-
478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
3,185	3,196	3,184	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	441	439	440	440	441	-	-	-	-
138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar										
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250	430,468
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Gibson Solar										
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499	594,040
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Green River Solar										
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321	466,390
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Solar)										
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333	212,453
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Storage)										
Contract Energy (MWh)	-	(156)	(3,514)	(3,686)	(4,076)	(4,384)	(4,500)	(4,865)	(5,040)	(5,091)
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA INCR II Wind										
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945	679,945
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

428,240	427,002	423,542	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]									
590,965	590,176	584,619	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]									
463,976	462,653	458,882	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]									
211,353	210,776	209,101	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]									
(5,222)	(5,291)	(5,492)	(5,550)	(5,562)	(5,583)	(5,617)	(5,610)	(5,699)	(5,726)
[redacted]									
679,945	682,074	679,875	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]									

SFIT - Solar FIT 1.0										
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088	1,084
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-	-
SFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140	139
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777	774
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122	121
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0										
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-	-
SFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

1,078	1,076	1,066	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
139	138	137	136	136	136	134	134	133	133
24	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-
770	768	762	758	755	753	747	744	740	738
120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	262
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan										
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775	232,227
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437	350,646
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240	-
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25	-
DSM_C&I_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	64,846
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	9,999
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	154
DSM_C&I_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850	107,240
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865	-
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62	-
DSM_Res Tier 1_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	73,809
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	10,670
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	145
DSM_Res Tier 1_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-
224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	159	83	57	44	36
99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Generic Solar_SQE_PPA_2030										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	390,957
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	18,844
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	48
Generic Solar_SQE_PPA_2032										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2039										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2040										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

634,753	632,716	628,148	624,846	622,204	620,141	615,599	612,956	609,654	607,566
30,595	30,497	30,277	30,118	29,990	29,891	29,672	29,545	29,385	29,285
48	48	48	48	48	48	48	48	48	48
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	635,406	1,033,569	1,025,998	1,021,594	1,016,090	1,012,611
-	-	-	-	32,120	52,247	51,864	51,642	51,363	51,187
-	-	-	-	51	51	51	51	51	51
-	-	-	-	-	-	-	-	249,036	405,044
-	-	-	-	-	-	-	-	13,211	21,488
-	-	-	-	-	-	-	-	53	53
-	-	-	-	-	-	-	-	-	123,844
-	-	-	-	-	-	-	-	-	6,648
-	-	-	-	-	-	-	-	-	54

Hydrogen P1										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Other Thermal P1										
Contract Energy (MWh)	-	-	-	93,095	149,565	137,229	113,300	106,370	105,881	102,192
Contract Cost ($000s)	-	-	-	4,831	8,093	7,873	7,209	7,056	7,069	6,973
Contract Cost ($/MWh)	-	-	-	52	54	57	64	66	67	68
Other Thermal P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	2,555	4,464	4,560	4,644	4,740
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Solar P2										
Contract Energy (MWh)	-	-	-	-	-	216,869	215,768	215,097	213,566	212,685
Contract Cost ($000s)	-	-	-	-	-	8,957	9,075	9,213	9,311	9,328
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44	44
Storage P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Wind P1										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
93,148	88,865	84,133	83,139	82,124	79,590	78,982	75,425	81,848	79,408
6,745	6,640	6,551	6,615	6,560	6,539	6,552	6,491	6,895	6,848
72	75	78	80	80	82	83	86	84	86
-	-	-	-	-	-	-	-	-	-
4,836	4,932	5,028	5,136	5,232	5,340	5,448	5,556	5,664	5,784
-	-	-	-	-	-	-	-	-	-
211,584	210,905	209,257	208,282	207,401	206,714	205,200	204,319	203,218	202,522
9,337	9,366	9,352	9,366	9,422	9,486	9,513	9,570	9,616	9,683
44	44	45	45	45	46	46	47	47	48
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Portfolio:	Retirements 2
Scenario:	Economy-wide Decarbonization

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Capacity Purchase 200 MW PY2022/23										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-	-
Gap MW_Portfolio 2_EWD										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	1,305	120	1,700	431	-	5,978	10,469	12,764
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Short Term Capacity #4										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Barton Wind Contract										
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
Buffalo Ridge Contract										
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
DSM_Residential_FiledPlan										
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237	110,526
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-	-
Jordan Creek										
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
16,360	18,985	21,662	25,230	28,344	30,777	31,656	35,553	39,620	46,498
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072

LFIT - Biomass										
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-	-
Contract Cost ($000s)	13,381	13,649	12,897	13,356	13,628	13,190	12,620	11,984	-	-
Contract Cost ($/MWh)	127	129	122	126	129	125	120	113	-	-
LFIT - Biomass FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0										
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542	22,449
Contract Cost ($000s)	7,222	7,366	7,288	7,454	7,552	7,511	7,442	7,376	-	-
Contract Cost ($/MWh)	311	317	314	321	328	328	327	325	-	-
LFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187	6,162
Contract Cost ($000s)	957	957	895	902	896	848	793	734	664	619
Contract Cost ($/MWh)	150	150	140	142	142	135	127	118	107	100
LFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219	6,193
Contract Cost ($000s)	487	885	823	829	824	777	721	662	593	547
Contract Cost ($/MWh)	138	138	128	130	130	123	115	106	95	88
LFIT - Wind FIT 1.0										
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478	478
Contract Cost ($000s)	93	95	92	95	97	96	94	92	-	-
Contract Cost ($/MWh)	195	199	193	199	203	201	197	192	-	-
LFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185
Contract Cost ($000s)	-	440	409	414	414	392	366	338	304	281
Contract Cost ($/MWh)	-	138	128	130	130	123	115	106	95	88

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
596	-	-	-	-	-	-	-	-	-
97	-	-	-	-	-	-	-	-	-
6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
525	499	483	463	464	472	-	-	-	-
85	81	79	76	77	78	-	-	-	-
478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
271	260	252	243	245	250	-	-	-	-
85	81	79	76	77	78	-	-	-	-

RFP PPA Brickyard Solar										
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250	430,468
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Gibson Solar										
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499	594,040
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Green River Solar										
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321	466,390
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Solar)										
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333	212,453
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Storage)										
Contract Energy (MWh)	-	(45)	(1,391)	(2,177)	(3,001)	(3,032)	(2,695)	(2,914)	(2,382)	(2,797)
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA INCR II Wind										
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945	679,945
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]									
590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]									
463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]									
211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]									
(3,155)	(2,642)	(2,988)	(3,066)	(3,236)	(2,893)	(3,775)	(2,844)	(2,943)	(3,786)
[redacted]									
679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]									

SFIT - Solar FIT 1.0										
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088	1,084
Contract Cost ($000s)	402	410	408	417	422	421	418	416	-	-
Contract Cost ($/MWh)	359	366	363	372	380	381	381	379	-	-
SFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140	139
Contract Cost ($000s)	25	25	23	23	23	22	21	19	18	17
Contract Cost ($/MWh)	170	170	160	162	162	155	147	138	127	120
SFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777	774
Contract Cost ($000s)	75	100	118	118	118	112	105	97	88	83
Contract Cost ($/MWh)	156	156	147	148	148	141	133	124	114	107
SFIT - Wind FIT 1.0										
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-	-
Contract Cost ($000s)	8	8	8	9	9	9	9	8	-	-
Contract Cost ($/MWh)	259	265	260	267	273	271	269	266	-	-
SFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
139	138	137	136	136	136	134	134	133	133
16	-	-	-	-	-	-	-	-	-
117	-	-	-	-	-	-	-	-	-
770	768	762	758	755	753	747	744	740	738
80	77	74	72	72	73	-	-	-	-
104	100	98	95	95	97	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	262
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan										
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775	232,227
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437	350,646
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240	-
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25	-
DSM_C&I_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	64,846
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	9,999
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	154
DSM_C&I_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850	107,240
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865	-
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62	-
DSM_Res Tier 1_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	73,809
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	10,670
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	145
DSM_Res Tier 1_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-
224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	159	83	57	44	36
99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Generic Solar_EWD_PPA_2030										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	390,957
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	(3,792)
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	(10)
Generic Solar_EWD_PPA_2032										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2039										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2040										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

634,753	632,716	628,148	624,846	622,204	620,141	615,599	612,956	609,654	607,566
(8,195)	(10,674)	(11,891)	(13,628)	(13,247)	(12,266)	(10,656)	(10,414)	(9,828)	(8,798)
(13)	(17)	(19)	(22)	(21)	(20)	(17)	(17)	(16)	(14)
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	635,406	1,033,569	1,025,998	1,021,594	1,016,090	1,012,611
-	-	-	-	(12,352)	(18,532)	(15,862)	(15,467)	(14,500)	(12,789)
-	-	-	-	(19)	(18)	(15)	(15)	(14)	(13)
-	-	-	-	-	-	-	-	249,036	405,044
-	-	-	-	-	-	-	-	(747)	(551)
-	-	-	-	-	-	-	-	(3)	(1)
-	-	-	-	-	-	-	-	-	123,844
-	-	-	-	-	-	-	-	-	(90)
-	-	-	-	-	-	-	-	-	(1)

Hydrogen P1_5 Percent H2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P1_95 Percent Gas										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P1_Full H2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Other Thermal P1										
Contract Energy (MWh)	-	-	-	39,374	37,861	27,954	24,433	17,181	20,760	22,239
Contract Cost ($000s)	-	-	-	3,647	5,094	4,713	4,605	4,281	4,490	4,616
Contract Cost ($/MWh)	-	-	-	93	135	169	188	249	216	208
Other Thermal P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	2,555	4,464	4,560	4,644	4,740
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Solar P2										
Contract Energy (MWh)	-	-	-	-	-	216,869	215,768	215,097	213,566	212,685
Contract Cost ($000s)	-	-	-	-	-	5,704	4,072	2,248	192	(1,225)
Contract Cost ($/MWh)	-	-	-	-	-	26	19	10	1	(6)
Storage P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Wind P1										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
26,688	26,606	23,871	26,838	38,616	35,132	47,856	58,689	63,508	63,474
4,926	4,967	4,844	5,065	5,832	5,680	6,579	7,424	7,896	8,003
185	187	203	189	151	162	137	127	124	126
-	-	-	-	-	-	-	-	-	-
4,836	4,932	5,028	5,136	5,232	5,340	5,448	5,556	5,664	5,784
-	-	-	-	-	-	-	-	-	-
211,584	210,905	209,383	208,282	207,401	206,714	205,200	204,319	203,218	202,522
(1,841)	(2,613)	(2,967)	(3,493)	(3,275)	(2,855)	(2,231)	(2,057)	(1,774)	(1,337)
(9)	(12)	(14)	(17)	(16)	(14)	(11)	(10)	(9)	(7)
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Existing Fleet Portfolio Contract Summary by Scenario

Note that for modeling purposes, congestion expectations are incorporated in contract prices for certain renewable contracts

Portfolio:	Retirements 3
Scenario:	Reference

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Capacity Purchase 200 MW PY2022/23										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]			-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-			-	-	-	-	-	-
Short Term Capacity #4										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Barton Wind Contract										
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
Buffalo Ridge Contract										
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
DSM_Residential_FiledPlan										
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237	110,526
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-	-
Jordan Creek										
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072

LFIT - Biomass										
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-	-
LFIT - Biomass FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0										
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542	22,449
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-	-
LFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187	6,162
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928	924
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219	6,193
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858	855
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0										
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-	-
LFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
920	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-
6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	-	-	-	-
478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	441	440	440	440	441	-	-	-	-
138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar										
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250	430,468
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Gibson Solar										
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499	594,040
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Green River Solar										
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321	466,390
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Solar)										
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333	212,453
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Storage)										
Contract Energy (MWh)	-	(188)	(3,166)	(3,547)	(3,696)	(4,284)	(4,446)	(4,870)	(5,081)	(5,234)
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA INCR II Wind										
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945	679,945
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]									
590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]									
463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]									
211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]									
(5,419)	(5,438)	(5,515)	(5,559)	(5,604)	(5,680)	(5,686)	(5,776)	(5,759)	(5,799)
[redacted]									
679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]									

SFIT - Solar FIT 1.0										
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088	1,084
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-	-
SFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140	139
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777	774
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122	121
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0										
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-	-
SFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
139	138	137	136	136	136	134	134	133	133
24	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-
770	768	762	758	755	753	747	744	740	738
120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	262
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan										
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775	232,227
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437	350,646
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240	-
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25	-
DSM_C&I_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	64,846
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	9,999
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	154
DSM_C&I_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850	107,240
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865	-
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62	-
DSM_Res Tier 1_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	73,809
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	10,670
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	145
DSM_Res Tier 1_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-
224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	159	83	57	44	36
99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Generic Solar_Ref_PPA_2030										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	390,957
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	18,844
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	48
Generic Solar_Ref_PPA_2032										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2039										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2040										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

634,753	632,716	628,148	624,846	622,204	620,141	615,599	612,956	609,654	607,566
30,595	30,497	30,277	30,118	29,990	29,891	29,672	29,545	29,385	29,285
48	48	48	48	48	48	48	48	48	48
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	635,406	1,033,569	1,025,998	1,021,594	1,016,090	1,012,611
-	-	-	-	32,120	52,247	51,864	51,642	51,363	51,187
-	-	-	-	51	51	51	51	51	51
-	-	-	-	-	-	-	-	249,036	405,044
-	-	-	-	-	-	-	-	13,211	21,488
-	-	-	-	-	-	-	-	53	53
-	-	-	-	-	-	-	-	-	123,844
-	-	-	-	-	-	-	-	-	6,648
-	-	-	-	-	-	-	-	-	54

Hydrogen P1										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Other Thermal P1										
Contract Energy (MWh)	-	-	-	42,847	43,030	27,404	21,102	22,654	27,429	24,980
Contract Cost ($000s)	-	-	-	3,783	5,323	4,698	4,442	4,570	4,849	4,769
Contract Cost ($/MWh)	-	-	-	88	124	171	210	202	177	191
Other Thermal P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	2,555	4,464	4,560	4,644	4,740
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Solar P2										
Contract Energy (MWh)	-	-	-	-	-	216,869	215,768	215,097	213,566	212,685
Contract Cost ($000s)	-	-	-	-	-	8,957	9,075	9,213	9,311	9,328
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44	44
Storage P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Wind P1										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
22,253	18,449	18,211	20,064	22,830	23,968	23,597	26,313	27,535	28,768
4,667	4,481	4,506	4,647	4,845	4,963	4,973	5,205	5,350	5,488
210	243	247	232	212	207	211	198	194	191
-	-	-	-	-	-	-	-	-	-
4,836	4,932	5,028	5,136	5,232	5,340	5,448	5,556	5,664	5,784
-	-	-	-	-	-	-	-	-	-
211,584	210,905	209,383	208,282	207,401	206,714	205,200	204,319	203,218	202,522
9,337	9,366	9,357	9,366	9,422	9,486	9,513	9,570	9,616	9,683
44	44	45	45	45	46	46	47	47	48
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Portfolio:	Retirements 3
Scenario:	Aggressive Environmental Regulation

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Capacity Purchase 200 MW PY2022/23										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-	-
Gap MW_Portfolio 3_AER										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Short Term Capacity #4										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)		-	-	-	-	-	-	-	-	-
Barton Wind Contract										
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
Buffalo Ridge Contract										
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
DSM_Residential_FiledPlan										
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237	110,526
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-	-
Jordan Creek										
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	2,164	4,727	7,528	9,634	10,165	9,348	10,418	8,960	9,837
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072
[redacted]									

LFIT - Biomass										
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-	-
LFIT - Biomass FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0										
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542	22,449
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-	-
LFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187	6,162
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928	924
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219	6,193
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858	855
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0										
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-	-
LFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
920	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-
6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	-	-	-	-
478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	441	440	440	440	441	-	-	-	-
138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar										
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250	430,468
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Gibson Solar										
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499	594,040
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Green River Solar										
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321	466,390
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Solar)										
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333	212,453
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Storage)										
Contract Energy (MWh)	-	(225)	(3,459)	(3,636)	(3,800)	(4,243)	(4,434)	(4,861)	(5,437)	(5,445)
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA INCR II Wind										
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945	679,945
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]									
590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]									
463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]									
211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]									
(5,657)	(5,739)	(5,698)	(5,669)	(5,707)	(5,772)	(5,757)	(5,726)	(5,739)	(5,697)
[redacted]									
679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]									

SFIT - Solar FIT 1.0										
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088	1,084
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-	-
SFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140	139
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777	774
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122	121
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0										
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-	-
SFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
139	138	137	136	136	136	134	134	133	133
24	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-
770	768	762	758	755	753	747	744	740	738
120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	262
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan										
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775	232,227
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437	350,646
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240	-
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25	-
DSM_C&I_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	64,846
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	9,999
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	154
DSM_C&I_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850	107,240
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865	-
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62	-
DSM_Res Tier 1_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	73,809
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	10,670
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	145
DSM_Res Tier 1_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-
224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	159	83	57	44	36
99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Generic Solar_AER_PPA_2030										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	390,957
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	15,607
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	40
Generic Solar_AER_PPA_2032										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2039										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2040										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

634,753	632,716	628,148	624,846	622,204	620,141	615,599	612,956	609,654	607,566
25,339	25,258	25,076	24,944	24,838	24,756	24,575	24,469	24,337	24,254
40	40	40	40	40	40	40	40	40	40
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	635,406	1,033,569	1,025,998	1,021,594	1,016,090	1,012,611
-	-	-	-	32,120	52,247	51,864	51,642	51,363	51,187
-	-	-	-	51	51	51	51	51	51
-	-	-	-	-	-	-	-	249,036	405,044
-	-	-	-	-	-	-	-	13,211	21,488
-	-	-	-	-	-	-	-	53	53
-	-	-	-	-	-	-	-	-	123,844
-	-	-	-	-	-	-	-	-	6,648
-	-	-	-	-	-	-	-	-	54

Hydrogen P1_5 Percent H2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P1_95 Percent Gas										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P1_Full H2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Other Thermal P1										
Contract Energy (MWh)	-	-	-	24,021	11,106	8,538	4,587	2,353	4,421	3,825
Contract Cost ($000s)	-	-	-	3,158	4,016	3,923	3,690	3,540	3,701	3,671
Contract Cost ($/MWh)	-	-	-	131	362	459	805	1,505	837	960
Other Thermal P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	2,555	4,464	4,560	4,644	4,740
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Solar P2										
Contract Energy (MWh)	-	-	-	-	-	216,869	215,768	215,097	213,566	212,685
Contract Cost ($000s)	-	-	-	-	-	8,957	9,075	9,213	9,311	9,328
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44	44
Storage P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Wind P1										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
5,055	5,912	4,222	3,419	7,093	4,957	4,074	2,328	3,594	1,397
3,786	3,865	3,738	3,679	4,021	3,853	3,782	3,611	3,748	3,515
749	654	885	1,076	567	777	928	1,551	1,043	2,516
-	-	-	-	-	-	-	-	-	-
4,836	4,932	5,028	5,136	5,232	5,340	5,448	5,556	5,664	5,784
-	-	-	-	-	-	-	-	-	-
211,584	210,905	209,383	208,282	207,401	206,714	205,200	204,319	203,218	202,522
9,337	9,366	9,357	9,366	9,422	9,486	9,513	9,570	9,616	9,683
44	44	45	45	45	46	46	47	47	48
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Portfolio:	Retirements 3
Scenario:	Status Quo Extended

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Capacity Purchase 200 MW PY2022/23										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Short Term Capacity #4										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Barton Wind Contract										
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
Buffalo Ridge Contract										
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
DSM_Residential_FiledPlan										
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237	110,526
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-	-
Jordan Creek										
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
1,285,776	1,288,072	1,285,513	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072
[redacted]									

LFIT - Biomass										
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-	-
LFIT - Biomass FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0										
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542	22,449
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-	-
LFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187	6,162
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928	924
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219	6,193
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858	855
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0										
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-	-
LFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
22,333	22,281	22,088	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
6,130	6,116	6,063	6,065	6,039	6,024	5,975	5,949	5,917	5,902
920	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-
6,161	6,146	6,093	6,065	6,039	6,024	5,975	5,949	5,917	5,902
850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	-	-	-	-
478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
3,185	3,196	3,184	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	441	439	440	440	441	-	-	-	-
138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar										
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250	430,468
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Gibson Solar										
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499	594,040
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Green River Solar										
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321	466,390
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Solar)										
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333	212,453
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Storage)										
Contract Energy (MWh)	-	(156)	(3,514)	(3,686)	(4,076)	(4,384)	(4,500)	(4,865)	(5,040)	(5,091)
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA INCR II Wind										
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945	679,945
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

428,240	427,002	423,542	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]									
590,965	590,176	584,619	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]									
463,976	462,653	458,882	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]									
211,353	210,776	209,101	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]									
(5,222)	(5,291)	(5,492)	(5,550)	(5,562)	(5,583)	(5,617)	(5,610)	(5,699)	(5,726)
[redacted]									
679,945	682,074	679,875	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]									

SFIT - Solar FIT 1.0										
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088	1,084
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-	-
SFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140	139
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777	774
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122	121
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0										
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-	-
SFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

1,078	1,076	1,066	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
139	138	137	136	136	136	134	134	133	133
24	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-
770	768	762	758	755	753	747	744	740	738
120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	262
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan										
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775	232,227
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437	350,646
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240	-
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25	-
DSM_C&I_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	64,846
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	9,999
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	154
DSM_C&I_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850	107,240
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865	-
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62	-
DSM_Res Tier 1_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	73,809
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	10,670
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	145
DSM_Res Tier 1_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-
224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	159	83	57	44	36
99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Generic Solar_SQE_PPA_2030										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	390,957
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	18,844
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	48
Generic Solar_SQE_PPA_2032										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2039										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2040										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

634,753	632,716	628,148	624,846	622,204	620,141	615,599	612,956	609,654	607,566
30,595	30,497	30,277	30,118	29,990	29,891	29,672	29,545	29,385	29,285
48	48	48	48	48	48	48	48	48	48
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	635,406	1,033,569	1,025,998	1,021,594	1,016,090	1,012,611
-	-	-	-	32,120	52,247	51,864	51,642	51,363	51,187
-	-	-	-	51	51	51	51	51	51
-	-	-	-	-	-	-	-	249,036	405,044
-	-	-	-	-	-	-	-	13,211	21,488
-	-	-	-	-	-	-	-	53	53
-	-	-	-	-	-	-	-	-	123,844
-	-	-	-	-	-	-	-	-	6,648
-	-	-	-	-	-	-	-	-	54

Hydrogen P1										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Other Thermal P1										
Contract Energy (MWh)	-	-	-	93,095	149,565	137,229	113,300	106,370	105,881	102,192
Contract Cost ($000s)	-	-	-	4,831	8,093	7,873	7,209	7,056	7,069	6,973
Contract Cost ($/MWh)	-	-	-	52	54	57	64	66	67	68
Other Thermal P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	2,555	4,464	4,560	4,644	4,740
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Solar P2										
Contract Energy (MWh)	-	-	-	-	-	216,869	215,768	215,097	213,566	212,685
Contract Cost ($000s)	-	-	-	-	-	8,957	9,075	9,213	9,311	9,328
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44	44
Storage P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Wind P1										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
93,148	88,865	84,133	83,139	82,124	79,590	78,982	75,425	81,848	79,408
6,745	6,640	6,551	6,615	6,560	6,539	6,552	6,491	6,895	6,848
72	75	78	80	80	82	83	86	84	86
-	-	-	-	-	-	-	-	-	-
4,836	4,932	5,028	5,136	5,232	5,340	5,448	5,556	5,664	5,784
-	-	-	-	-	-	-	-	-	-
211,584	210,905	209,257	208,282	207,401	206,714	205,200	204,319	203,218	202,522
9,337	9,366	9,352	9,366	9,422	9,486	9,513	9,570	9,616	9,683
44	44	45	45	45	46	46	47	47	48
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Portfolio:	Retirements 3
Scenario:	Economy-wide Decarbonization

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Capacity Purchase 200 MW PY2022/23										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Gap MW_Portfolio 3_EWD										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	1,305	120	1,700	1,394	-	5,978	10,469	12,764
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Short Term Capacity #4										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Barton Wind Contract										
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)	[redacted]				-	-	-	-	-	-
Buffalo Ridge Contract										
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)	[redacted]				-	-	-	-	-	-
DSM_Residential_FiledPlan										
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237	110,526
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-	-
Jordan Creek										
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)	[redacted]									

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
16,360	18,985	21,662	25,230	28,344	30,777	31,656	35,553	39,620	46,498
-	-	-	-	-	-	-	-	-	-
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107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072

LFIT - Biomass										
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-	-
Contract Cost ($000s)	13,381	13,649	12,897	13,356	13,628	13,190	12,620	11,984	-	-
Contract Cost ($/MWh)	127	129	122	126	129	125	120	113	-	-
LFIT - Biomass FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0										
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542	22,449
Contract Cost ($000s)	7,222	7,366	7,288	7,454	7,552	7,511	7,442	7,376	-	-
Contract Cost ($/MWh)	311	317	314	321	328	328	327	325	-	-
LFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187	6,162
Contract Cost ($000s)	957	957	895	902	896	848	793	734	664	619
Contract Cost ($/MWh)	150	150	140	142	142	135	127	118	107	100
LFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219	6,193
Contract Cost ($000s)	487	885	823	829	824	777	721	662	593	547
Contract Cost ($/MWh)	138	138	128	130	130	123	115	106	95	88
LFIT - Wind FIT 1.0										
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478	478
Contract Cost ($000s)	93	95	92	95	97	96	94	92	-	-
Contract Cost ($/MWh)	195	199	193	199	203	201	197	192	-	-
LFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185
Contract Cost ($000s)	-	440	409	414	414	392	366	338	304	281
Contract Cost ($/MWh)	-	138	128	130	130	123	115	106	95	88

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-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
596	-	-	-	-	-	-	-	-	-
97	-	-	-	-	-	-	-	-	-
6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
525	499	483	463	464	472	-	-	-	-
85	81	79	76	77	78	-	-	-	-
478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-
3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
271	260	252	243	245	250	-	-	-	-
85	81	79	76	77	78	-	-	-	-

RFP PPA Brickyard Solar										
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250	430,468
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Gibson Solar										
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499	594,040
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Green River Solar										
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321	466,390
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Solar)										
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333	212,453
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Storage)										
Contract Energy (MWh)	-	(45)	(1,391)	(2,177)	(3,001)	(3,032)	(2,695)	(2,914)	(2,382)	(2,797)
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA INCR II Wind										
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945	679,945
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]									
590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]									
463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]									
211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]									
(3,155)	(2,642)	(2,988)	(3,066)	(3,236)	(2,893)	(3,775)	(2,844)	(2,943)	(3,786)
[redacted]									
679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]									

SFIT - Solar FIT 1.0										
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088	1,084
Contract Cost ($000s)	402	410	408	417	422	421	418	416	-	-
Contract Cost ($/MWh)	359	366	363	372	380	381	381	379	-	-
SFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140	139
Contract Cost ($000s)	25	25	23	23	23	22	21	19	18	17
Contract Cost ($/MWh)	170	170	160	162	162	155	147	138	127	120
SFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777	774
Contract Cost ($000s)	75	100	118	118	118	112	105	97	88	83
Contract Cost ($/MWh)	156	156	147	148	148	141	133	124	114	107
SFIT - Wind FIT 1.0										
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-	-
Contract Cost ($000s)	8	8	8	9	9	9	9	8	-	-
Contract Cost ($/MWh)	259	265	260	267	273	271	269	266	-	-
SFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
139	138	137	136	136	136	134	134	133	133
16	-	-	-	-	-	-	-	-	-
117	-	-	-	-	-	-	-	-	-
770	768	762	758	755	753	747	744	740	738
80	77	74	72	72	73	-	-	-	-
104	100	98	95	95	97	-	-	-	-
-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	262
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan										
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775	232,227
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437	350,646
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240	-
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25	-
DSM_C&I_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	64,846
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	9,999
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	154
DSM_C&I_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850	107,240
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865	-
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62	-
DSM_Res Tier 1_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	73,809
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	10,670
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	145
DSM_Res Tier 1_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-
224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	159	83	57	44	36
99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Generic Solar_EWD_PPA_2030										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	390,957
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	(3,792)
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	(10)
Generic Solar_EWD_PPA_2032										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2039										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2040										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

634,753	632,716	628,148	624,846	622,204	620,141	615,599	612,956	609,654	607,566
(8,195)	(10,674)	(11,891)	(13,628)	(13,247)	(12,266)	(10,656)	(10,414)	(9,828)	(8,798)
(13)	(17)	(19)	(22)	(21)	(20)	(17)	(17)	(16)	(14)
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	635,406	1,033,569	1,025,998	1,021,594	1,016,090	1,012,611
-	-	-	-	(12,352)	(18,532)	(15,862)	(15,467)	(14,500)	(12,789)
-	-	-	-	(19)	(18)	(15)	(15)	(14)	(13)
-	-	-	-	-	-	-	-	249,036	405,044
-	-	-	-	-	-	-	-	(747)	(551)
-	-	-	-	-	-	-	-	(3)	(1)
-	-	-	-	-	-	-	-	-	123,844
-	-	-	-	-	-	-	-	-	(90)
-	-	-	-	-	-	-	-	-	(1)

Hydrogen P1_5 Percent H2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P1_95 Percent Gas										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P1_Full H2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Other Thermal P1										
Contract Energy (MWh)	-	-	-	39,374	37,861	27,954	24,433	17,181	20,760	22,239
Contract Cost ($000s)	-	-	-	3,647	5,094	4,713	4,605	4,281	4,490	4,616
Contract Cost ($/MWh)	-	-	-	93	135	169	188	249	216	208
Other Thermal P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	2,555	4,464	4,560	4,644	4,740
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Solar P2										
Contract Energy (MWh)	-	-	-	-	-	216,869	215,768	215,097	213,566	212,685
Contract Cost ($000s)	-	-	-	-	-	5,704	4,072	2,248	192	(1,225)
Contract Cost ($/MWh)	-	-	-	-	-	26	19	10	1	(6)
Storage P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Wind P1										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

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-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
26,688	26,606	23,871	26,838	38,616	35,132	47,856	58,689	63,508	63,474
4,926	4,967	4,844	5,065	5,832	5,680	6,579	7,424	7,896	8,003
185	187	203	189	151	162	137	127	124	126
-	-	-	-	-	-	-	-	-	-
4,836	4,932	5,028	5,136	5,232	5,340	5,448	5,556	5,664	5,784
-	-	-	-	-	-	-	-	-	-
211,584	210,905	209,383	208,282	207,401	206,714	205,200	204,319	203,218	202,522
(1,841)	(2,613)	(2,967)	(3,493)	(3,275)	(2,855)	(2,231)	(2,057)	(1,774)	(1,337)
(9)	(12)	(14)	(17)	(16)	(14)	(11)	(10)	(9)	(7)
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Existing Fleet Portfolio Contract Summary by Scenario

Note that for modeling purposes, congestion expectations are incorporated in contract prices for certain renewable contracts

Portfolio:	Retirements 4
Scenario:	Reference

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Capacity Purchase 200 MW PY2022/23										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]			-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Short Term Capacity #4										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Barton Wind Contract										
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
Buffalo Ridge Contract										
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
DSM_Residential_FiledPlan										
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237	110,526
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-	-
Jordan Creek										
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072

LFIT - Biomass										
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-	-
LFIT - Biomass FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0										
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542	22,449
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-	-
LFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187	6,162
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928	924
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219	6,193
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858	855
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0										
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-	-
LFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
920	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-
6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	-	-	-	-
478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	441	440	440	440	441	-	-	-	-
138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar										
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250	430,468
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Gibson Solar										
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499	594,040
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Green River Solar										
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321	466,390
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Solar)										
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333	212,453
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Storage)										
Contract Energy (MWh)	-	(188)	(3,166)	(3,547)	(3,696)	(4,284)	(4,446)	(4,870)	(5,081)	(5,234)
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA INCR II Wind										
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945	679,945
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]									
590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]									
463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]									
211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]									
(5,419)	(5,438)	(5,515)	(5,559)	(5,604)	(5,680)	(5,686)	(5,776)	(5,759)	(5,799)
[redacted]									
679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]									

SFIT - Solar FIT 1.0										
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088	1,084
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-	-
SFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140	139
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777	774
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122	121
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0										
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-	-
SFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
139	138	137	136	136	136	134	134	133	133
24	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-
770	768	762	758	755	753	747	744	740	738
120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	262
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan										
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775	232,227
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437	350,646
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240	-
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25	-
DSM_C&I_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	64,846
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	9,999
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	154
DSM_C&I_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850	107,240
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865	-
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62	-
DSM_Res Tier 1_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	73,809
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	10,670
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	145
DSM_Res Tier 1_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-
224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	159	83	57	44	36
99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Generic Solar_Ref_PPA_2030										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	260,638
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	12,563
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	48
Generic Solar_Ref_PPA_2032										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2039										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2040										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

423,169	421,811	418,766	416,564	414,802	413,428	410,399	408,638	406,436	405,044
20,397	20,331	20,184	20,078	19,993	19,927	19,781	19,696	19,590	19,523
48	48	48	48	48	48	48	48	48	48
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	635,406	1,033,569	1,025,998	1,021,594	1,016,090	1,012,611
-	-	-	-	32,120	52,247	51,864	51,642	51,363	51,187
-	-	-	-	51	51	51	51	51	51
-	-	-	-	-	-	-	-	249,036	405,044
-	-	-	-	-	-	-	-	13,211	21,488
-	-	-	-	-	-	-	-	53	53
-	-	-	-	-	-	-	-	-	123,844
-	-	-	-	-	-	-	-	-	6,648
-	-	-	-	-	-	-	-	-	54

Hydrogen P1										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Other Thermal P1										
Contract Energy (MWh)	-	-	-	42,847	43,030	27,404	21,102	22,654	27,429	24,980
Contract Cost ($000s)	-	-	-	3,783	5,323	4,698	4,442	4,570	4,849	4,769
Contract Cost ($/MWh)	-	-	-	88	124	171	210	202	177	191
Other Thermal P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	2,555	4,464	4,560	4,644	4,740
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Solar P2										
Contract Energy (MWh)	-	-	-	-	-	433,737	431,535	430,194	427,132	425,371
Contract Cost ($000s)	-	-	-	-	-	17,913	18,150	18,425	18,623	18,657
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44	44
Storage P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Wind P1										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
22,253	18,449	18,211	20,064	22,830	23,968	23,597	26,313	27,535	28,768
4,667	4,481	4,506	4,647	4,845	4,963	4,973	5,205	5,350	5,488
210	243	247	232	212	207	211	198	194	191
-	-	-	-	-	-	-	-	-	-
4,836	4,932	5,028	5,136	5,232	5,340	5,448	5,556	5,664	5,784
-	-	-	-	-	-	-	-	-	-
423,169	421,811	418,766	416,564	414,802	413,428	410,399	408,638	406,436	405,044
18,674	18,733	18,715	18,733	18,844	18,972	19,026	19,141	19,233	19,365
44	44	45	45	45	46	46	47	47	48
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Portfolio:	Retirements 4
Scenario:	Aggressive Environmental Regulation

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Capacity Purchase 200 MW PY2022/23										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Gap MW_Portfolio 4_AER										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Short Term Capacity #4										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Barton Wind Contract										
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)	[redacted]				-	-	-	-	-	-
Buffalo Ridge Contract										
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)	[redacted]				-	-	-	-	-	-
DSM_Residential_FiledPlan										
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237	110,526
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-	-
Jordan Creek										
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)	[redacted]									

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	2,174	4,737	7,538	9,644	10,176	9,358	10,428	8,970	9,846
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072
[redacted]									

LFIT - Biomass										
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-	-
LFIT - Biomass FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0										
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542	22,449
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-	-
LFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187	6,162
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928	924
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219	6,193
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858	855
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0										
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-	-
LFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
920	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-
6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	-	-	-	-
478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	441	440	440	440	441	-	-	-	-
138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar										
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250	430,468
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Gibson Solar										
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499	594,040
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Green River Solar										
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321	466,390
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Solar)										
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333	212,453
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Storage)										
Contract Energy (MWh)	-	(225)	(3,459)	(3,636)	(3,800)	(4,243)	(4,434)	(4,861)	(5,437)	(5,445)
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA INCR II Wind										
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945	679,945
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
SFIT - Solar FIT 1.0										
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088	1,084
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-	-

428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]									
590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]									
463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]									
211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]									
(5,657)	(5,739)	(5,698)	(5,669)	(5,707)	(5,772)	(5,757)	(5,726)	(5,739)	(5,697)
[redacted]									
679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]									
1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

SFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140	139
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777	774
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122	121
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0										
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-	-
SFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

139	138	137	136	136	136	134	134	133	133
24	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-
770	768	762	758	755	753	747	744	740	738
120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	262
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan										
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775	232,227
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437	350,646
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240	-
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25	-
DSM_C&I_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	64,846
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	9,999
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	154
DSM_C&I_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850	107,240
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865	-
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62	-
DSM_Res Tier 1_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	73,809
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	10,670
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	145
DSM_Res Tier 1_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-
224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	159	83	57	44	36
99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Generic Solar_AER_PPA_2030										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	260,638
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	10,405
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	40
Generic Solar_AER_PPA_2032										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2039										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2040										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

423,169	421,811	418,766	416,564	414,802	413,428	410,399	408,638	406,436	405,044
16,893	16,839	16,717	16,629	16,559	16,504	16,383	16,313	16,225	16,169
40	40	40	40	40	40	40	40	40	40
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	635,406	1,033,569	1,025,998	1,021,594	1,016,090	1,012,611
-	-	-	-	32,120	52,247	51,864	51,642	51,363	51,187
-	-	-	-	51	51	51	51	51	51
-	-	-	-	-	-	-	-	249,036	405,044
-	-	-	-	-	-	-	-	13,211	21,488
-	-	-	-	-	-	-	-	53	53
-	-	-	-	-	-	-	-	-	123,844
-	-	-	-	-	-	-	-	-	6,648
-	-	-	-	-	-	-	-	-	54

Hydrogen P1_5 Percent H2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P1_95 Percent Gas										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P1_Full H2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Other Thermal P1										
Contract Energy (MWh)	-	-	-	24,021	11,106	8,538	4,587	2,353	4,421	3,825
Contract Cost ($000s)	-	-	-	3,158	4,016	3,923	3,690	3,540	3,701	3,671
Contract Cost ($/MWh)	-	-	-	131	362	459	805	1,505	837	960
Other Thermal P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	2,555	4,464	4,560	4,644	4,740
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Solar P2										
Contract Energy (MWh)	-	-	-	-	-	433,737	431,535	430,194	427,132	425,371
Contract Cost ($000s)	-	-	-	-	-	17,913	18,150	18,425	18,623	18,657
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44	44
Storage P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Wind P1										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
5,055	5,912	4,222	3,419	7,093	4,957	4,074	2,328	3,594	1,397
3,786	3,865	3,738	3,679	4,021	3,853	3,782	3,611	3,748	3,515
749	654	885	1,076	567	777	928	1,551	1,043	2,516
-	-	-	-	-	-	-	-	-	-
4,836	4,932	5,028	5,136	5,232	5,340	5,448	5,556	5,664	5,784
-	-	-	-	-	-	-	-	-	-
423,169	421,811	418,766	416,564	414,802	413,428	410,399	408,638	406,436	405,044
18,674	18,733	18,715	18,733	18,844	18,972	19,026	19,141	19,233	19,365
44	44	45	45	45	46	46	47	47	48
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Portfolio:	Retirements 4
Scenario:	Status Quo Extended

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Capacity Purchase 200 MW PY2022/23										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Short Term Capacity #4										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Barton Wind Contract										
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
Buffalo Ridge Contract										
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
DSM_Residential_FiledPlan										
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237	110,526
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-	-
Jordan Creek										
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
1,285,776	1,288,072	1,285,513	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072
[redacted]									

LFIT - Biomass										
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-	-
LFIT - Biomass FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0										
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542	22,449
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-	-
LFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187	6,162
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928	924
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219	6,193
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858	855
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0										
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-	-
LFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
22,333	22,281	22,088	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
6,130	6,116	6,063	6,065	6,039	6,024	5,975	5,949	5,917	5,902
920	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-
6,161	6,146	6,093	6,065	6,039	6,024	5,975	5,949	5,917	5,902
850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	-	-	-	-
478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
3,185	3,196	3,184	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	441	439	440	440	441	-	-	-	-
138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar										
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250	430,468
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Gibson Solar										
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499	594,040
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Green River Solar										
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321	466,390
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Solar)										
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333	212,453
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Storage)										
Contract Energy (MWh)	-	(156)	(3,514)	(3,686)	(4,076)	(4,384)	(4,500)	(4,865)	(5,040)	(5,091)
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA INCR II Wind										
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945	679,945
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

428,240	427,002	423,542	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]									
590,965	590,176	584,619	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]									
463,976	462,653	458,882	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]									
211,353	210,776	209,101	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]									
(5,222)	(5,291)	(5,492)	(5,550)	(5,562)	(5,583)	(5,617)	(5,610)	(5,699)	(5,726)
[redacted]									
679,945	682,074	679,875	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]									

SFIT - Solar FIT 1.0										
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088	1,084
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-	-
SFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140	139
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777	774
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122	121
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0										
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-	-
SFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

1,078	1,076	1,066	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
139	138	137	136	136	136	134	134	133	133
24	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-
770	768	762	758	755	753	747	744	740	738
120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	262
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan										
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775	232,227
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437	350,646
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240	-
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25	-
DSM_C&I_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	64,846
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	9,999
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	154
DSM_C&I_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850	107,240
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865	-
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62	-
DSM_Res Tier 1_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	73,809
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	10,670
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	145
DSM_Res Tier 1_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-
224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	159	83	57	44	36
99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Generic Solar_SQE_PPA_2030										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	260,638
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	12,563
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	48
Generic Solar_SQE_PPA_2032										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2039										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2040										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P1										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Other Thermal P1										
Contract Energy (MWh)	-	-	-	93,095	149,565	137,229	113,300	106,370	105,881	102,192
Contract Cost ($000s)	-	-	-	4,831	8,093	7,873	7,209	7,056	7,069	6,973
Contract Cost ($/MWh)	-	-	-	52	54	57	64	66	67	68
Other Thermal P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	2,555	4,464	4,560	4,644	4,740
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Solar P2										
Contract Energy (MWh)	-	-	-	-	-	433,737	431,535	430,194	427,132	425,371
Contract Cost ($000s)	-	-	-	-	-	17,913	18,150	18,425	18,623	18,657
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44	44
Storage P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Wind P1										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

423,169	421,811	418,766	416,564	414,802	413,428	410,399	408,638	406,436	405,044
20,397	20,331	20,184	20,078	19,993	19,927	19,781	19,696	19,590	19,523
48	48	48	48	48	48	48	48	48	48
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	635,406	1,033,569	1,025,998	1,021,594	1,016,090	1,012,611
-	-	-	-	32,120	52,247	51,864	51,642	51,363	51,187
-	-	-	-	51	51	51	51	51	51
-	-	-	-	-	-	-	-	249,036	405,044
-	-	-	-	-	-	-	-	13,211	21,488
-	-	-	-	-	-	-	-	53	53
-	-	-	-	-	-	-	-	-	123,844
-	-	-	-	-	-	-	-	-	6,648
-	-	-	-	-	-	-	-	-	54
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
93,148	88,865	84,133	83,139	82,124	79,590	78,982	75,425	81,848	79,408
6,745	6,640	6,551	6,615	6,560	6,539	6,552	6,491	6,895	6,848
72	75	78	80	80	82	83	86	84	86
-	-	-	-	-	-	-	-	-	-
4,836	4,932	5,028	5,136	5,232	5,340	5,448	5,556	5,664	5,784
-	-	-	-	-	-	-	-	-	-
423,169	421,811	418,515	416,564	414,802	413,428	410,399	408,638	406,436	405,044
18,674	18,733	18,703	18,733	18,844	18,972	19,026	19,141	19,233	19,365
44	44	45	45	45	46	46	47	47	48
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Portfolio:	Retirements 4
Scenario:	Economy-wide Decarbonization

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Capacity Purchase 200 MW PY2022/23										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-	-
Gap MW_Portfolio 4_EWD										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	1,305	482	618	-	-	5,343	9,773	12,780
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Short Term Capacity #4										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)		-	-	-	-	-	-	-	-	-
Barton Wind Contract										
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
Buffalo Ridge Contract										
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
DSM_Residential_FiledPlan										
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237	110,526
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-	-
Jordan Creek										
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
16,377	19,001	21,677	25,245	28,359	30,790	31,670	35,567	39,633	46,513
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072

LFIT - Biomass										
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-	-
Contract Cost ($000s)	13,381	13,649	12,897	13,356	13,628	13,190	12,620	11,984	-	-
Contract Cost ($/MWh)	127	129	122	126	129	125	120	113	-	-
LFIT - Biomass FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0										
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542	22,449
Contract Cost ($000s)	7,222	7,366	7,288	7,454	7,552	7,511	7,442	7,376	-	-
Contract Cost ($/MWh)	311	317	314	321	328	328	327	325	-	-
LFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187	6,162
Contract Cost ($000s)	957	957	895	902	896	848	793	734	664	619
Contract Cost ($/MWh)	150	150	140	142	142	135	127	118	107	100
LFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219	6,193
Contract Cost ($000s)	487	885	823	829	824	777	721	662	593	547
Contract Cost ($/MWh)	138	138	128	130	130	123	115	106	95	88
LFIT - Wind FIT 1.0										
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478	478
Contract Cost ($000s)	93	95	92	95	97	96	94	92	-	-
Contract Cost ($/MWh)	195	199	193	199	203	201	197	192	-	-
LFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185
Contract Cost ($000s)	-	440	409	414	414	392	366	338	304	281
Contract Cost ($/MWh)	-	138	128	130	130	123	115	106	95	88

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
596	-	-	-	-	-	-	-	-	-
97	-	-	-	-	-	-	-	-	-
6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
525	499	483	463	464	472	-	-	-	-
85	81	79	76	77	78	-	-	-	-
478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
271	260	252	243	245	250	-	-	-	-
85	81	79	76	77	78	-	-	-	-

RFP PPA Brickyard Solar										
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250	430,468
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Gibson Solar										
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499	594,040
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Green River Solar										
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321	466,390
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Solar)										
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333	212,453
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Storage)										
Contract Energy (MWh)	-	(45)	(1,391)	(2,177)	(3,001)	(3,032)	(2,695)	(2,914)	(2,382)	(2,797)
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA INCR II Wind										
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945	679,945
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]									
590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]									
463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]									
211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]									
(3,155)	(2,642)	(2,988)	(3,066)	(3,236)	(2,893)	(3,775)	(2,844)	(2,943)	(3,786)
[redacted]									
679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]									

SFIT - Solar FIT 1.0										
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088	1,084
Contract Cost ($000s)	402	410	408	417	422	421	418	416	-	-
Contract Cost ($/MWh)	359	366	363	372	380	381	381	379	-	-
SFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140	139
Contract Cost ($000s)	25	25	23	23	23	22	21	19	18	17
Contract Cost ($/MWh)	170	170	160	162	162	155	147	138	127	120
SFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777	774
Contract Cost ($000s)	75	100	118	118	118	112	105	97	88	83
Contract Cost ($/MWh)	156	156	147	148	148	141	133	124	114	107
SFIT - Wind FIT 1.0										
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-	-
Contract Cost ($000s)	8	8	8	9	9	9	9	8	-	-
Contract Cost ($/MWh)	259	265	260	267	273	271	269	266	-	-
SFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
139	138	137	136	136	136	134	134	133	133
16	-	-	-	-	-	-	-	-	-
117	-	-	-	-	-	-	-	-	-
770	768	762	758	755	753	747	744	740	738
80	77	74	72	72	73	-	-	-	-
104	100	98	95	95	97	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	262
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan										
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775	232,227
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437	350,646
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240	-
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25	-
DSM_C&I_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	64,846
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	9,999
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	154
DSM_C&I_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850	107,240
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865	-
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62	-
DSM_Res Tier 1_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	73,809
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	10,670
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	145
DSM_Res Tier 1_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-
224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	159	83	57	44	36
99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Generic Solar_EWD_PPA_2030										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	260,638
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	(2,528)
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	(10)
Generic Solar_EWD_PPA_2032										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2039										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2040										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

423,169	421,811	418,766	416,564	414,802	413,428	410,399	408,638	406,436	405,044
(5,463)	(7,116)	(7,927)	(9,085)	(8,831)	(8,178)	(7,104)	(6,943)	(6,552)	(5,865)
(13)	(17)	(19)	(22)	(21)	(20)	(17)	(17)	(16)	(14)
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	635,406	1,033,569	1,025,998	1,021,594	1,016,090	1,012,611
-	-	-	-	(12,352)	(18,532)	(15,862)	(15,467)	(14,500)	(12,789)
-	-	-	-	(19)	(18)	(15)	(15)	(14)	(13)
-	-	-	-	-	-	-	-	249,036	405,044
-	-	-	-	-	-	-	-	(747)	(551)
-	-	-	-	-	-	-	-	(3)	(1)
-	-	-	-	-	-	-	-	-	123,844
-	-	-	-	-	-	-	-	-	(90)
-	-	-	-	-	-	-	-	-	(1)

Hydrogen P1_5 Percent H2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P1_95 Percent Gas										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P1_Full H2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Other Thermal P1										
Contract Energy (MWh)	-	-	-	39,374	37,861	27,954	24,433	17,181	20,760	22,239
Contract Cost ($000s)	-	-	-	3,647	5,094	4,713	4,605	4,281	4,490	4,616
Contract Cost ($/MWh)	-	-	-	93	135	169	188	249	216	208
Other Thermal P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	2,555	4,464	4,560	4,644	4,740
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Solar P2										
Contract Energy (MWh)	-	-	-	-	-	433,737	431,535	430,194	427,132	425,371
Contract Cost ($000s)	-	-	-	-	-	11,407	8,143	4,496	384	(2,450)
Contract Cost ($/MWh)	-	-	-	-	-	26	19	10	1	(6)
Storage P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Wind P1										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
26,688	26,606	23,871	26,838	38,616	35,132	47,856	58,689	63,508	63,474
4,926	4,967	4,844	5,065	5,832	5,680	6,579	7,424	7,896	8,003
185	187	203	189	151	162	137	127	124	126
-	-	-	-	-	-	-	-	-	-
4,836	4,932	5,028	5,136	5,232	5,340	5,448	5,556	5,664	5,784
-	-	-	-	-	-	-	-	-	-
423,169	421,811	418,766	416,564	414,802	413,428	410,399	408,638	406,436	405,044
(3,682)	(5,226)	(5,934)	(6,986)	(6,550)	(5,709)	(4,461)	(4,115)	(3,548)	(2,673)
(9)	(12)	(14)	(17)	(16)	(14)	(11)	(10)	(9)	(7)
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Existing Fleet Portfolio Contract Summary by Scenario

Note that for modeling purposes, congestion expectations are incorporated in contract prices for certain renewable contracts

Portfolio:	Retirements 5
Scenario:	Reference

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Capacity Purchase 200 MW PY2022/23										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]			-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Short Term Capacity #4										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Barton Wind Contract										
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
Buffalo Ridge Contract										
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
DSM_Residential_FiledPlan										
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237	110,526
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-	-
Jordan Creek										
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072

LFIT - Biomass										
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-	-
LFIT - Biomass FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0										
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542	22,449
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-	-
LFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187	6,162
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928	924
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219	6,193
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858	855
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0										
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-	-
LFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
920	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-
6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	-	-	-	-
478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	441	440	440	440	441	-	-	-	-
138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar										
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250	430,468
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Gibson Solar										
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499	594,040
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Green River Solar										
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321	466,390
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Solar)										
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333	212,453
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Storage)										
Contract Energy (MWh)	-	(188)	(3,166)	(3,547)	(3,696)	(4,284)	(4,446)	(4,870)	(5,081)	(5,234)
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA INCR II Wind										
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945	679,945
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]									
590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]									
463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]									
211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]									
(5,419)	(5,438)	(5,515)	(5,559)	(5,604)	(5,680)	(5,686)	(5,776)	(5,759)	(5,799)
[redacted]									
679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]									

SFIT - Solar FIT 1.0										
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088	1,084
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-	-
SFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140	139
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777	774
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122	121
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0										
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-	-
SFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
139	138	137	136	136	136	134	134	133	133
24	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-
770	768	762	758	755	753	747	744	740	738
120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	262
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan										
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775	232,227
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437	350,646
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240	-
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25	-
DSM_C&I_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	64,846
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	9,999
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	154
DSM_C&I_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850	107,240
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865	-
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62	-
DSM_Res Tier 1_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	73,809
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	10,670
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	145
DSM_Res Tier 1_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-
224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	159	83	57	44	36
99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Generic Solar_Ref_PPA_2030										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	390,957
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	18,844
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	48
Generic Solar_Ref_PPA_2032										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2039										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2040										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

634,753	632,716	628,148	624,846	622,204	620,141	615,599	612,956	609,654	607,566
30,595	30,497	30,277	30,118	29,990	29,891	29,672	29,545	29,385	29,285
48	48	48	48	48	48	48	48	48	48
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	635,406	1,033,569	1,025,998	1,021,594	1,016,090	1,012,611
-	-	-	-	32,120	52,247	51,864	51,642	51,363	51,187
-	-	-	-	51	51	51	51	51	51
-	-	-	-	-	-	-	-	249,036	405,044
-	-	-	-	-	-	-	-	13,211	21,488
-	-	-	-	-	-	-	-	53	53
-	-	-	-	-	-	-	-	-	123,844
-	-	-	-	-	-	-	-	-	6,648
-	-	-	-	-	-	-	-	-	54

Hydrogen P1										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Other Thermal P1										
Contract Energy (MWh)	-	-	-	42,847	43,030	27,404	21,102	22,654	27,429	24,980
Contract Cost ($000s)	-	-	-	3,783	5,323	4,698	4,442	4,570	4,849	4,769
Contract Cost ($/MWh)	-	-	-	88	124	171	210	202	177	191
Other Thermal P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	2,555	4,464	4,560	4,644	4,740
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Solar P2										
Contract Energy (MWh)	-	-	-	-	-	216,869	215,768	215,097	213,566	212,685
Contract Cost ($000s)	-	-	-	-	-	8,957	9,075	9,213	9,311	9,328
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44	44
Storage P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Wind P1										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
22,253	18,449	18,211	20,064	22,830	23,968	23,597	26,313	27,535	28,768
4,667	4,481	4,506	4,647	4,845	4,963	4,973	5,205	5,350	5,488
210	243	247	232	212	207	211	198	194	191
-	-	-	-	-	-	-	-	-	-
4,836	4,932	5,028	5,136	5,232	5,340	5,448	5,556	5,664	5,784
-	-	-	-	-	-	-	-	-	-
211,584	210,905	209,383	208,282	207,401	206,714	205,200	204,319	203,218	202,522
9,337	9,366	9,357	9,366	9,422	9,486	9,513	9,570	9,616	9,683
44	44	45	45	45	46	46	47	47	48
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Portfolio:	Retirements 5
Scenario:	Aggressive Environmental Regulation

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Capacity Purchase 200 MW PY2022/23										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Gap MW_Portfolio 5_AER										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Short Term Capacity #4										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)		-	-	-	-	-	-	-	-	-
Barton Wind Contract										
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
Buffalo Ridge Contract										
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
DSM_Residential_FiledPlan										
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237	110,526
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-	-
Jordan Creek										
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	2,174	4,737	7,538	9,644	10,176	9,358	10,428	8,970	9,846
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072

LFIT - Biomass										
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-	-
LFIT - Biomass FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0										
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542	22,449
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-	-
LFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187	6,162
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928	924
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219	6,193
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858	855
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0										
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-	-
LFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
920	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-
6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	-	-	-	-
478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	441	440	440	440	441	-	-	-	-
138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar										
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250	430,468
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Gibson Solar										
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499	594,040
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Green River Solar										
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321	466,390
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Solar)										
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333	212,453
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Storage)										
Contract Energy (MWh)	-	(225)	(3,459)	(3,636)	(3,800)	(4,243)	(4,434)	(4,861)	(5,437)	(5,445)
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA INCR II Wind										
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945	679,945
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]									
590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]									
463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]									
211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]									
(5,657)	(5,739)	(5,698)	(5,669)	(5,707)	(5,772)	(5,757)	(5,726)	(5,739)	(5,697)
[redacted]									
679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]									

SFIT - Solar FIT 1.0										
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088	1,084
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-	-
SFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140	139
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777	774
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122	121
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0										
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-	-
SFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
139	138	137	136	136	136	134	134	133	133
24	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-
770	768	762	758	755	753	747	744	740	738
120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	262
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan										
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775	232,227
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437	350,646
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240	-
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25	-
DSM_C&I_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	64,846
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	9,999
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	154
DSM_C&I_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850	107,240
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865	-
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62	-
DSM_Res Tier 1_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	73,809
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	10,670
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	145
DSM_Res Tier 1_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-
224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	159	83	57	44	36
99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Generic Solar_AER_PPA_2030										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	390,957
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	15,607
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	40
Generic Solar_AER_PPA_2032										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2039										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2040										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

634,753	632,716	628,148	624,846	622,204	620,141	615,599	612,956	609,654	607,566
25,339	25,258	25,076	24,944	24,838	24,756	24,575	24,469	24,337	24,254
40	40	40	40	40	40	40	40	40	40
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	635,406	1,033,569	1,025,998	1,021,594	1,016,090	1,012,611
-	-	-	-	32,120	52,247	51,864	51,642	51,363	51,187
-	-	-	-	51	51	51	51	51	51
-	-	-	-	-	-	-	-	249,036	405,044
-	-	-	-	-	-	-	-	13,211	21,488
-	-	-	-	-	-	-	-	53	53
-	-	-	-	-	-	-	-	-	123,844
-	-	-	-	-	-	-	-	-	6,648
-	-	-	-	-	-	-	-	-	54

Hydrogen P1_5 Percent H2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P1_95 Percent Gas										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P1_Full H2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Other Thermal P1										
Contract Energy (MWh)	-	-	-	24,021	11,106	8,538	4,587	2,353	4,421	3,825
Contract Cost ($000s)	-	-	-	3,158	4,016	3,923	3,690	3,540	3,701	3,671
Contract Cost ($/MWh)	-	-	-	131	362	459	805	1,505	837	960
Other Thermal P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	2,555	4,464	4,560	4,644	4,740
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Solar P2										
Contract Energy (MWh)	-	-	-	-	-	216,869	215,768	215,097	213,566	212,685
Contract Cost ($000s)	-	-	-	-	-	8,957	9,075	9,213	9,311	9,328
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44	44
Storage P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Wind P1										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
5,055	5,912	4,222	3,419	7,093	4,957	4,074	2,328	3,594	1,397
3,786	3,865	3,738	3,679	4,021	3,853	3,782	3,611	3,748	3,515
749	654	885	1,076	567	777	928	1,551	1,043	2,516
-	-	-	-	-	-	-	-	-	-
4,836	4,932	5,028	5,136	5,232	5,340	5,448	5,556	5,664	5,784
-	-	-	-	-	-	-	-	-	-
211,584	210,905	209,383	208,282	207,401	206,714	205,200	204,319	203,218	202,522
9,337	9,366	9,357	9,366	9,422	9,486	9,513	9,570	9,616	9,683
44	44	45	45	45	46	46	47	47	48
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Portfolio:	Retirements 5
Scenario:	Status Quo Extended

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Capacity Purchase 200 MW PY2022/23										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Short Term Capacity #4										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Barton Wind Contract										
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
Buffalo Ridge Contract										
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
DSM_Residential_FiledPlan										
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237	110,526
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-	-
Jordan Creek										
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
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107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
1,285,776	1,288,072	1,285,513	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072
[redacted]									

LFIT - Biomass										
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-	-
LFIT - Biomass FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0										
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542	22,449
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-	-
LFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187	6,162
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928	924
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219	6,193
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858	855
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0										
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-	-
LFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
22,333	22,281	22,088	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
6,130	6,116	6,063	6,065	6,039	6,024	5,975	5,949	5,917	5,902
920	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-
6,161	6,146	6,093	6,065	6,039	6,024	5,975	5,949	5,917	5,902
850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	-	-	-	-
478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
3,185	3,196	3,184	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	441	439	440	440	441	-	-	-	-
138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar										
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250	430,468
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Gibson Solar										
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499	594,040
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Green River Solar										
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321	466,390
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Solar)										
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333	212,453
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Storage)										
Contract Energy (MWh)	-	(156)	(3,514)	(3,686)	(4,076)	(4,384)	(4,500)	(4,865)	(5,040)	(5,091)
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA INCR II Wind										
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945	679,945
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

428,240	427,002	423,542	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]									
590,965	590,176	584,619	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]									
463,976	462,653	458,882	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]									
211,353	210,776	209,101	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]									
(5,222)	(5,291)	(5,492)	(5,550)	(5,562)	(5,583)	(5,617)	(5,610)	(5,699)	(5,726)
[redacted]									
679,945	682,074	679,875	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]									

SFIT - Solar FIT 1.0										
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088	1,084
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-	-
SFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140	139
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777	774
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122	121
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0										
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-	-
SFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

1,078	1,076	1,066	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
139	138	137	136	136	136	134	134	133	133
24	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-
770	768	762	758	755	753	747	744	740	738
120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	262
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan										
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775	232,227
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437	350,646
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240	-
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25	-
DSM_C&I_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	64,846
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	9,999
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	154
DSM_C&I_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850	107,240
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865	-
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62	-
DSM_Res Tier 1_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	73,809
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	10,670
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	145
DSM_Res Tier 1_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-
224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	159	83	57	44	36
99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Generic Solar_SQE_PPA_2030										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	390,957
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	18,844
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	48
Generic Solar_SQE_PPA_2032										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2039										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2040										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

634,753	632,716	628,148	624,846	622,204	620,141	615,599	612,956	609,654	607,566
30,595	30,497	30,277	30,118	29,990	29,891	29,672	29,545	29,385	29,285
48	48	48	48	48	48	48	48	48	48
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	635,406	1,033,569	1,025,998	1,021,594	1,016,090	1,012,611
-	-	-	-	32,120	52,247	51,864	51,642	51,363	51,187
-	-	-	-	51	51	51	51	51	51
-	-	-	-	-	-	-	-	249,036	405,044
-	-	-	-	-	-	-	-	13,211	21,488
-	-	-	-	-	-	-	-	53	53
-	-	-	-	-	-	-	-	-	123,844
-	-	-	-	-	-	-	-	-	6,648
-	-	-	-	-	-	-	-	-	54

Hydrogen P1										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Other Thermal P1										
Contract Energy (MWh)	-	-	-	93,095	149,565	137,229	113,300	106,370	105,881	102,192
Contract Cost ($000s)	-	-	-	4,831	8,093	7,873	7,209	7,056	7,069	6,973
Contract Cost ($/MWh)	-	-	-	52	54	57	64	66	67	68
Other Thermal P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	2,555	4,464	4,560	4,644	4,740
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Solar P2										
Contract Energy (MWh)	-	-	-	-	-	216,869	215,768	215,097	213,566	212,685
Contract Cost ($000s)	-	-	-	-	-	8,957	9,075	9,213	9,311	9,328
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44	44
Storage P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Wind P1										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
93,148	88,865	84,133	83,139	82,124	79,590	78,982	75,425	81,848	79,408
6,745	6,640	6,551	6,615	6,560	6,539	6,552	6,491	6,895	6,848
72	75	78	80	80	82	83	86	84	86
-	-	-	-	-	-	-	-	-	-
4,836	4,932	5,028	5,136	5,232	5,340	5,448	5,556	5,664	5,784
-	-	-	-	-	-	-	-	-	-
211,584	210,905	209,257	208,282	207,401	206,714	205,200	204,319	203,218	202,522
9,337	9,366	9,352	9,366	9,422	9,486	9,513	9,570	9,616	9,683
44	44	45	45	45	46	46	47	47	48
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Portfolio:	Retirements 5
Scenario:	Economy-wide Decarbonization

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Capacity Purchase 200 MW PY2022/23										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-	-
Gap MW_Portfolio 5_EWD										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	1,305	120	1,996	791	1,729	5,989	10,482	12,780
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Short Term Capacity #4										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Barton Wind Contract										
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
Buffalo Ridge Contract										
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
DSM_Residential_FiledPlan										
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237	110,526
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-	-
Jordan Creek										
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
16,377	19,001	21,677	25,245	28,359	30,790	31,670	35,567	39,633	46,513
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072

LFIT - Biomass										
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-	-
Contract Cost ($000s)	13,381	13,649	12,897	13,356	13,628	13,190	12,620	11,984	-	-
Contract Cost ($/MWh)	127	129	122	126	129	125	120	113	-	-
LFIT - Biomass FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0										
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542	22,449
Contract Cost ($000s)	7,222	7,366	7,288	7,454	7,552	7,511	7,442	7,376	-	-
Contract Cost ($/MWh)	311	317	314	321	328	328	327	325	-	-
LFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187	6,162
Contract Cost ($000s)	957	957	895	902	896	848	793	734	664	619
Contract Cost ($/MWh)	150	150	140	142	142	135	127	118	107	100
LFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219	6,193
Contract Cost ($000s)	487	885	823	829	824	777	721	662	593	547
Contract Cost ($/MWh)	138	138	128	130	130	123	115	106	95	88
LFIT - Wind FIT 1.0										
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478	478
Contract Cost ($000s)	93	95	92	95	97	96	94	92	-	-
Contract Cost ($/MWh)	195	199	193	199	203	201	197	192	-	-
LFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185
Contract Cost ($000s)	-	440	409	414	414	392	366	338	304	281
Contract Cost ($/MWh)	-	138	128	130	130	123	115	106	95	88

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
596	-	-	-	-	-	-	-	-	-
97	-	-	-	-	-	-	-	-	-
6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
525	499	483	463	464	472	-	-	-	-
85	81	79	76	77	78	-	-	-	-
478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
271	260	252	243	245	250	-	-	-	-
85	81	79	76	77	78	-	-	-	-

RFP PPA Brickyard Solar										
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250	430,468
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Gibson Solar										
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499	594,040
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Green River Solar										
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321	466,390
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Solar)										
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333	212,453
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Storage)										
Contract Energy (MWh)	-	(45)	(1,391)	(2,177)	(3,001)	(3,032)	(2,695)	(2,914)	(2,382)	(2,797)
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA INCR II Wind										
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945	679,945
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]									
590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]									
463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]									
211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]									
(3,155)	(2,642)	(2,988)	(3,066)	(3,236)	(2,893)	(3,775)	(2,844)	(2,943)	(3,786)
[redacted]									
679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]									

SFIT - Solar FIT 1.0										
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088	1,084
Contract Cost ($000s)	402	410	408	417	422	421	418	416	-	-
Contract Cost ($/MWh)	359	366	363	372	380	381	381	379	-	-
SFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140	139
Contract Cost ($000s)	25	25	23	23	23	22	21	19	18	17
Contract Cost ($/MWh)	170	170	160	162	162	155	147	138	127	120
SFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777	774
Contract Cost ($000s)	75	100	118	118	118	112	105	97	88	83
Contract Cost ($/MWh)	156	156	147	148	148	141	133	124	114	107
SFIT - Wind FIT 1.0										
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-	-
Contract Cost ($000s)	8	8	8	9	9	9	9	8	-	-
Contract Cost ($/MWh)	259	265	260	267	273	271	269	266	-	-
SFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
139	138	137	136	136	136	134	134	133	133
16	-	-	-	-	-	-	-	-	-
117	-	-	-	-	-	-	-	-	-
770	768	762	758	755	753	747	744	740	738
80	77	74	72	72	73	-	-	-	-
104	100	98	95	95	97	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	262
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan										
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775	232,227
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437	350,646
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240	-
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25	-
DSM_C&I_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	64,846
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	9,999
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	154
DSM_C&I_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850	107,240
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865	-
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62	-
DSM_Res Tier 1_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	73,809
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	10,670
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	145
DSM_Res Tier 1_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-
224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	159	83	57	44	36
99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Generic Solar_EWD_PPA_2030										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	390,957
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	(3,792)
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	(10)
Generic Solar_EWD_PPA_2032										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2039										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2040										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

634,753	632,716	628,148	624,846	622,204	620,141	615,599	612,956	609,654	607,566
(8,195)	(10,674)	(11,891)	(13,628)	(13,247)	(12,266)	(10,656)	(10,414)	(9,828)	(8,798)
(13)	(17)	(19)	(22)	(21)	(20)	(17)	(17)	(16)	(14)
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	635,406	1,033,569	1,025,998	1,021,594	1,016,090	1,012,611
-	-	-	-	(12,352)	(18,532)	(15,862)	(15,467)	(14,500)	(12,789)
-	-	-	-	(19)	(18)	(15)	(15)	(14)	(13)
-	-	-	-	-	-	-	-	249,036	405,044
-	-	-	-	-	-	-	-	(747)	(551)
-	-	-	-	-	-	-	-	(3)	(1)
-	-	-	-	-	-	-	-	-	123,844
-	-	-	-	-	-	-	-	-	(90)
-	-	-	-	-	-	-	-	-	(1)

Hydrogen P1_5 Percent H2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P1_95 Percent Gas										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P1_Full H2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Other Thermal P1										
Contract Energy (MWh)	-	-	-	39,374	37,861	27,954	24,433	17,181	20,760	22,239
Contract Cost ($000s)	-	-	-	3,647	5,094	4,713	4,605	4,281	4,490	4,616
Contract Cost ($/MWh)	-	-	-	93	135	169	188	249	216	208
Other Thermal P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	2,555	4,464	4,560	4,644	4,740
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Solar P2										
Contract Energy (MWh)	-	-	-	-	-	216,869	215,768	215,097	213,566	212,685
Contract Cost ($000s)	-	-	-	-	-	5,704	4,072	2,248	192	(1,225)
Contract Cost ($/MWh)	-	-	-	-	-	26	19	10	1	(6)
Storage P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Wind P1										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
26,688	26,606	23,871	26,838	38,616	35,132	47,856	58,689	63,508	63,474
4,926	4,967	4,844	5,065	5,832	5,680	6,579	7,424	7,896	8,003
185	187	203	189	151	162	137	127	124	126
-	-	-	-	-	-	-	-	-	-
4,836	4,932	5,028	5,136	5,232	5,340	5,448	5,556	5,664	5,784
-	-	-	-	-	-	-	-	-	-
211,584	210,905	209,383	208,282	207,401	206,714	205,200	204,319	203,218	202,522
(1,841)	(2,613)	(2,967)	(3,493)	(3,275)	(2,855)	(2,231)	(2,057)	(1,774)	(1,337)
(9)	(12)	(14)	(17)	(16)	(14)	(11)	(10)	(9)	(7)
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Existing Fleet Portfolio Contract Summary by Scenario

Note that for modeling purposes, congestion expectations are incorporated in contract prices for certain renewable contracts

Portfolio:	Retirements 6
Scenario:	Reference

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Capacity Purchase 200 MW PY2022/23										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]			-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Short Term Capacity #4										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Barton Wind Contract										
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)	[redacted]				-	-	-	-	-	-
Buffalo Ridge Contract										
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)	[redacted]				-	-	-	-	-	-
DSM_Residential_FiledPlan										
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237	110,526
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-	-
Jordan Creek										
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072
[redacted]									

LFIT - Biomass										
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-	-
LFIT - Biomass FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0										
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542	22,449
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-	-
LFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187	6,162
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928	924
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219	6,193
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858	855
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0										
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-	-
LFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
920	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-
6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	-	-	-	-
478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	441	440	440	440	441	-	-	-	-
138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar										
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250	430,468
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Gibson Solar										
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499	594,040
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Green River Solar										
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321	466,390
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Solar)										
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333	212,453
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Storage)										
Contract Energy (MWh)	-	(188)	(3,166)	(3,547)	(3,696)	(4,284)	(4,446)	(4,870)	(5,081)	(5,234)
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA INCR II Wind										
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945	679,945
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]									
590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]									
463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]									
211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]									
(5,419)	(5,438)	(5,515)	(5,559)	(5,604)	(5,680)	(5,686)	(5,776)	(5,759)	(5,799)
[redacted]									
679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]									

SFIT - Solar FIT 1.0										
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088	1,084
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-	-
SFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140	139
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777	774
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122	121
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0										
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-	-
SFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
139	138	137	136	136	136	134	134	133	133
24	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-
770	768	762	758	755	753	747	744	740	738
120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	262
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan										
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775	232,227
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437	350,646
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240	-
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25	-
DSM_C&I_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	64,846
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	9,999
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	154
DSM_C&I_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850	107,240
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865	-
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62	-
DSM_Res Tier 1_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	73,809
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	10,670
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	145
DSM_Res Tier 1_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-
224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	159	83	57	44	36
99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Generic Solar_Ref_PPA_2030										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	390,957
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	18,844
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	48
Generic Solar_Ref_PPA_2032										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2039										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2040										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

634,753	632,716	628,148	624,846	622,204	620,141	615,599	612,956	609,654	607,566
30,595	30,497	30,277	30,118	29,990	29,891	29,672	29,545	29,385	29,285
48	48	48	48	48	48	48	48	48	48
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	635,406	1,033,569	1,025,998	1,021,594	1,016,090	1,012,611
-	-	-	-	32,120	52,247	51,864	51,642	51,363	51,187
-	-	-	-	51	51	51	51	51	51
-	-	-	-	-	-	-	-	249,036	405,044
-	-	-	-	-	-	-	-	13,211	21,488
-	-	-	-	-	-	-	-	53	53
-	-	-	-	-	-	-	-	-	123,844
-	-	-	-	-	-	-	-	-	6,648
-	-	-	-	-	-	-	-	-	54

Hydrogen P1										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Other Thermal P1										
Contract Energy (MWh)	-	-	-	42,847	43,030	27,404	21,102	22,654	27,429	24,980
Contract Cost ($000s)	-	-	-	3,783	5,323	4,698	4,442	4,570	4,849	4,769
Contract Cost ($/MWh)	-	-	-	88	124	171	210	202	177	191
Other Thermal P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	2,555	4,464	4,560	4,644	4,740
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Solar P2										
Contract Energy (MWh)	-	-	-	-	-	216,869	215,768	215,097	213,566	212,685
Contract Cost ($000s)	-	-	-	-	-	8,957	9,075	9,213	9,311	9,328
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44	44
Storage P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Wind P1										
Contract Energy (MWh)	-	-	-	-	-	623,965	623,965	626,137	623,965	623,965
Contract Cost ($000s)	-	-	-	-	-	31,573	31,872	32,277	32,459	32,546
Contract Cost ($/MWh)	-	-	-	-	-	51	51	52	52	52

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
22,253	18,449	18,211	20,064	22,830	23,968	23,597	26,313	27,535	28,768
4,667	4,481	4,506	4,647	4,845	4,963	4,973	5,205	5,350	5,488
210	243	247	232	212	207	211	198	194	191
-	-	-	-	-	-	-	-	-	-
4,836	4,932	5,028	5,136	5,232	5,340	5,448	5,556	5,664	5,784
-	-	-	-	-	-	-	-	-	-
211,584	210,905	209,383	208,282	207,401	206,714	205,200	204,319	203,218	202,522
9,337	9,366	9,357	9,366	9,422	9,486	9,513	9,570	9,616	9,683
44	44	45	45	45	46	46	47	47	48
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
623,965	626,137	623,965	623,965	623,965	626,137	623,965	623,965	623,965	626,137
32,640	32,841	32,821	32,908	32,964	33,141	33,083	33,145	33,207	33,386
52	52	53	53	53	53	53	53	53	53

Portfolio:	Retirements 6
Scenario:	Aggressive Environmental Regulation

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Capacity Purchase 200 MW PY2022/23										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Gap MW_Portfolio 6_AER										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Short Term Capacity #4										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Barton Wind Contract										
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)	[redacted]				-	-	-	-	-	-
Buffalo Ridge Contract										
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)	[redacted]				-	-	-	-	-	-
DSM_Residential_FiledPlan										
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237	110,526
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-	-
Jordan Creek										
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)	[redacted]									

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	902	3,453	6,213	8,277	8,787	7,939	8,997	7,520	8,334
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072
[redacted]									

LFIT - Biomass										
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-	-
LFIT - Biomass FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0										
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542	22,449
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-	-
LFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187	6,162
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928	924
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219	6,193
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858	855
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0										
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-	-
LFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
920	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-
6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	-	-	-	-
478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	441	440	440	440	441	-	-	-	-
138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar										
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250	430,468
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Gibson Solar										
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499	594,040
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Green River Solar										
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321	466,390
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Solar)										
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333	212,453
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Storage)										
Contract Energy (MWh)	-	(225)	(3,459)	(3,636)	(3,800)	(4,243)	(4,434)	(4,861)	(5,437)	(5,445)
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA INCR II Wind										
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945	679,945
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]									
590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]									
463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]									
211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]									
(5,657)	(5,739)	(5,698)	(5,669)	(5,707)	(5,772)	(5,757)	(5,726)	(5,739)	(5,697)
[redacted]									
679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]									

SFIT - Solar FIT 1.0										
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088	1,084
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-	-
SFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140	139
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777	774
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122	121
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0										
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-	-
SFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
139	138	137	136	136	136	134	134	133	133
24	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-
770	768	762	758	755	753	747	744	740	738
120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	262
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan										
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775	232,227
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437	350,646
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240	-
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25	-
DSM_C&I_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	64,846
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	9,999
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	154
DSM_C&I_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850	107,240
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865	-
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62	-
DSM_Res Tier 1_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	73,809
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	10,670
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	145
DSM_Res Tier 1_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-
224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	159	83	57	44	36
99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Generic Solar_AER_PPA_2030										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	390,957
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	15,607
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	40
Generic Solar_AER_PPA_2032										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2039										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2040										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

634,753	632,716	628,148	624,846	622,204	620,141	615,599	612,956	609,654	607,566
25,339	25,258	25,076	24,944	24,838	24,756	24,575	24,469	24,337	24,254
40	40	40	40	40	40	40	40	40	40
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	635,406	1,033,569	1,025,998	1,021,594	1,016,090	1,012,611
-	-	-	-	32,120	52,247	51,864	51,642	51,363	51,187
-	-	-	-	51	51	51	51	51	51
-	-	-	-	-	-	-	-	249,036	405,044
-	-	-	-	-	-	-	-	13,211	21,488
-	-	-	-	-	-	-	-	53	53
-	-	-	-	-	-	-	-	-	123,844
-	-	-	-	-	-	-	-	-	6,648
-	-	-	-	-	-	-	-	-	54

Hydrogen P1_5 Percent H2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P1_95 Percent Gas										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P1_Full H2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Other Thermal P1										
Contract Energy (MWh)	-	-	-	24,021	11,106	8,538	4,587	2,353	4,421	3,825
Contract Cost ($000s)	-	-	-	3,158	4,016	3,923	3,690	3,540	3,701	3,671
Contract Cost ($/MWh)	-	-	-	131	362	459	805	1,505	837	960
Other Thermal P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	2,555	4,464	4,560	4,644	4,740
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Solar P2										
Contract Energy (MWh)	-	-	-	-	-	216,869	215,768	215,097	213,566	212,685
Contract Cost ($000s)	-	-	-	-	-	8,957	9,075	9,213	9,311	9,328
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44	44
Storage P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Wind P1										
Contract Energy (MWh)	-	-	-	-	-	623,965	623,965	626,137	623,965	623,965
Contract Cost ($000s)	-	-	-	-	-	31,573	31,872	32,277	32,459	32,546
Contract Cost ($/MWh)	-	-	-	-	-	51	51	52	52	52

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
5,055	5,912	4,222	3,419	7,093	4,957	4,074	2,328	3,594	1,397
3,786	3,865	3,738	3,679	4,021	3,853	3,782	3,611	3,748	3,515
749	654	885	1,076	567	777	928	1,551	1,043	2,516
-	-	-	-	-	-	-	-	-	-
4,836	4,932	5,028	5,136	5,232	5,340	5,448	5,556	5,664	5,784
-	-	-	-	-	-	-	-	-	-
211,584	210,905	209,383	208,282	207,401	206,714	205,200	204,319	203,218	202,522
9,337	9,366	9,357	9,366	9,422	9,486	9,513	9,570	9,616	9,683
44	44	45	45	45	46	46	47	47	48
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
623,965	626,137	623,965	623,965	623,965	626,137	623,965	623,965	623,965	626,137
32,640	32,841	32,821	32,908	32,964	33,141	33,083	33,145	33,207	33,386
52	52	53	53	53	53	53	53	53	53

Portfolio:	Retirements 6
Scenario:	Status Quo Extended

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Capacity Purchase 200 MW PY2022/23										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Short Term Capacity #4										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Barton Wind Contract										
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
Buffalo Ridge Contract										
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
DSM_Residential_FiledPlan										
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237	110,526
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-	-
Jordan Creek										
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
1,285,776	1,288,072	1,285,513	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072

LFIT - Biomass										
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-	-
LFIT - Biomass FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0										
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542	22,449
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-	-
LFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187	6,162
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928	924
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219	6,193
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858	855
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0										
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-	-
LFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
22,333	22,281	22,088	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
6,130	6,116	6,063	6,065	6,039	6,024	5,975	5,949	5,917	5,902
920	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-
6,161	6,146	6,093	6,065	6,039	6,024	5,975	5,949	5,917	5,902
850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	-	-	-	-
478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
3,185	3,196	3,184	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	441	439	440	440	441	-	-	-	-
138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar										
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250	430,468
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Gibson Solar										
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499	594,040
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Green River Solar										
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321	466,390
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Solar)										
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333	212,453
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Storage)										
Contract Energy (MWh)	-	(156)	(3,514)	(3,686)	(4,076)	(4,384)	(4,500)	(4,865)	(5,040)	(5,091)
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA INCR II Wind										
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945	679,945
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

428,240	427,002	423,542	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]									
590,965	590,176	584,619	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]									
463,976	462,653	458,882	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]									
211,353	210,776	209,101	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]									
(5,222)	(5,291)	(5,492)	(5,550)	(5,562)	(5,583)	(5,617)	(5,610)	(5,699)	(5,726)
[redacted]									
679,945	682,074	679,875	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]									

SFIT - Solar FIT 1.0										
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088	1,084
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-	-
SFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140	139
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777	774
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122	121
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0										
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-	-
SFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

1,078	1,076	1,066	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
139	138	137	136	136	136	134	134	133	133
24	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-
770	768	762	758	755	753	747	744	740	738
120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	262
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan										
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775	232,227
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437	350,646
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240	-
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25	-
DSM_C&I_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	64,846
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	9,999
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	154
DSM_C&I_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850	107,240
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865	-
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62	-
DSM_Res Tier 1_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	73,809
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	10,670
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	145
DSM_Res Tier 1_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-
224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	159	83	57	44	36
99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Generic Solar_SQE_PPA_2030										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	390,957
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	18,844
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	48
Generic Solar_SQE_PPA_2032										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2039										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2040										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

634,753	632,716	628,148	624,846	622,204	620,141	615,599	612,956	609,654	607,566
30,595	30,497	30,277	30,118	29,990	29,891	29,672	29,545	29,385	29,285
48	48	48	48	48	48	48	48	48	48
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	635,406	1,033,569	1,025,998	1,021,594	1,016,090	1,012,611
-	-	-	-	32,120	52,247	51,864	51,642	51,363	51,187
-	-	-	-	51	51	51	51	51	51
-	-	-	-	-	-	-	-	249,036	405,044
-	-	-	-	-	-	-	-	13,211	21,488
-	-	-	-	-	-	-	-	53	53
-	-	-	-	-	-	-	-	-	123,844
-	-	-	-	-	-	-	-	-	6,648
-	-	-	-	-	-	-	-	-	54

Hydrogen P1										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Other Thermal P1										
Contract Energy (MWh)	-	-	-	93,095	149,565	137,229	113,300	106,370	105,881	102,192
Contract Cost ($000s)	-	-	-	4,831	8,093	7,873	7,209	7,056	7,069	6,973
Contract Cost ($/MWh)	-	-	-	52	54	57	64	66	67	68
Other Thermal P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	2,555	4,464	4,560	4,644	4,740
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Solar P2										
Contract Energy (MWh)	-	-	-	-	-	216,869	215,768	215,097	213,566	212,685
Contract Cost ($000s)	-	-	-	-	-	8,957	9,075	9,213	9,311	9,328
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44	44
Storage P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Wind P1										
Contract Energy (MWh)	-	-	-	-	-	623,965	623,965	626,137	623,965	623,965
Contract Cost ($000s)	-	-	-	-	-	31,573	31,872	32,277	32,459	32,546
Contract Cost ($/MWh)	-	-	-	-	-	51	51	52	52	52

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
93,148	88,865	84,133	83,139	82,124	79,590	78,982	75,425	81,848	79,408
6,745	6,640	6,551	6,615	6,560	6,539	6,552	6,491	6,895	6,848
72	75	78	80	80	82	83	86	84	86
-	-	-	-	-	-	-	-	-	-
4,836	4,932	5,028	5,136	5,232	5,340	5,448	5,556	5,664	5,784
-	-	-	-	-	-	-	-	-	-
211,584	210,905	209,257	208,282	207,401	206,714	205,200	204,319	203,218	202,522
9,337	9,366	9,352	9,366	9,422	9,486	9,513	9,570	9,616	9,683
44	44	45	45	45	46	46	47	47	48
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
623,965	626,137	623,811	623,965	623,965	626,137	623,965	623,965	623,965	626,137
32,640	32,841	32,812	32,908	32,964	33,141	33,083	33,145	33,207	33,386
52	52	53	53	53	53	53	53	53	53

Portfolio:	Retirements 6
Scenario:	Economy-wide Decarbonization

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Capacity Purchase 200 MW PY2022/23										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-	-
Gap MW_Portfolio 6_EWD										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	1,305	120	1,996	812	1,753	4,083	8,163	10,022
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Short Term Capacity #4										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Barton Wind Contract										
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
Buffalo Ridge Contract										
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
DSM_Residential_FiledPlan										
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237	110,526
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-	-
Jordan Creek										
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
13,488	16,179	18,925	22,447	25,623	28,119	28,964	32,793	36,803	43,348
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072

LFIT - Biomass										
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-	-
Contract Cost ($000s)	13,381	13,649	12,897	13,356	13,628	13,190	12,620	11,984	-	-
Contract Cost ($/MWh)	127	129	122	126	129	125	120	113	-	-
LFIT - Biomass FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0										
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542	22,449
Contract Cost ($000s)	7,222	7,366	7,288	7,454	7,552	7,511	7,442	7,376	-	-
Contract Cost ($/MWh)	311	317	314	321	328	328	327	325	-	-
LFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187	6,162
Contract Cost ($000s)	957	957	895	902	896	848	793	734	664	619
Contract Cost ($/MWh)	150	150	140	142	142	135	127	118	107	100
LFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219	6,193
Contract Cost ($000s)	487	885	823	829	824	777	721	662	593	547
Contract Cost ($/MWh)	138	138	128	130	130	123	115	106	95	88
LFIT - Wind FIT 1.0										
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478	478
Contract Cost ($000s)	93	95	92	95	97	96	94	92	-	-
Contract Cost ($/MWh)	195	199	193	199	203	201	197	192	-	-
LFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185
Contract Cost ($000s)	-	440	409	414	414	392	366	338	304	281
Contract Cost ($/MWh)	-	138	128	130	130	123	115	106	95	88

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
596	-	-	-	-	-	-	-	-	-
97	-	-	-	-	-	-	-	-	-
6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
525	499	483	463	464	472	-	-	-	-
85	81	79	76	77	78	-	-	-	-
478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
271	260	252	243	245	250	-	-	-	-
85	81	79	76	77	78	-	-	-	-

RFP PPA Brickyard Solar										
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250	430,468
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Gibson Solar										
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499	594,040
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Green River Solar										
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321	466,390
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Solar)										
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333	212,453
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Storage)										
Contract Energy (MWh)	-	(45)	(1,391)	(2,177)	(3,001)	(3,032)	(2,695)	(2,914)	(2,382)	(2,797)
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA INCR II Wind										
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945	679,945
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]									
590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]									
463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]									
211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]									
(3,155)	(2,642)	(2,988)	(3,066)	(3,236)	(2,893)	(3,775)	(2,844)	(2,943)	(3,786)
[redacted]									
679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]									

SFIT - Solar FIT 1.0										
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088	1,084
Contract Cost ($000s)	402	410	408	417	422	421	418	416	-	-
Contract Cost ($/MWh)	359	366	363	372	380	381	381	379	-	-
SFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140	139
Contract Cost ($000s)	25	25	23	23	23	22	21	19	18	17
Contract Cost ($/MWh)	170	170	160	162	162	155	147	138	127	120
SFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777	774
Contract Cost ($000s)	75	100	118	118	118	112	105	97	88	83
Contract Cost ($/MWh)	156	156	147	148	148	141	133	124	114	107
SFIT - Wind FIT 1.0										
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-	-
Contract Cost ($000s)	8	8	8	9	9	9	9	8	-	-
Contract Cost ($/MWh)	259	265	260	267	273	271	269	266	-	-
SFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
139	138	137	136	136	136	134	134	133	133
16	-	-	-	-	-	-	-	-	-
117	-	-	-	-	-	-	-	-	-
770	768	762	758	755	753	747	744	740	738
80	77	74	72	72	73	-	-	-	-
104	100	98	95	95	97	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	262
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan										
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775	232,227
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437	350,646
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240	-
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25	-
DSM_C&I_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	64,846
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	9,999
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	154
DSM_C&I_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850	107,240
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865	-
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62	-
DSM_Res Tier 1_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	73,809
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	10,670
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	145
DSM_Res Tier 1_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-
224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	159	83	57	44	36
99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Generic Solar_EWD_PPA_2030										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	390,957
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	(3,792)
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	(10)
Generic Solar_EWD_PPA_2032										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2039										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2040										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

634,753	632,716	628,148	624,846	622,204	620,141	615,599	612,956	609,654	607,566
(8,195)	(10,674)	(11,891)	(13,628)	(13,247)	(12,266)	(10,656)	(10,414)	(9,828)	(8,798)
(13)	(17)	(19)	(22)	(21)	(20)	(17)	(17)	(16)	(14)
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	635,406	1,033,569	1,025,998	1,021,594	1,016,090	1,012,611
-	-	-	-	(12,352)	(18,532)	(15,862)	(15,467)	(14,500)	(12,789)
-	-	-	-	(19)	(18)	(15)	(15)	(14)	(13)
-	-	-	-	-	-	-	-	249,036	405,044
-	-	-	-	-	-	-	-	(747)	(551)
-	-	-	-	-	-	-	-	(3)	(1)
-	-	-	-	-	-	-	-	-	123,844
-	-	-	-	-	-	-	-	-	(90)
-	-	-	-	-	-	-	-	-	(1)

Hydrogen P1_5 Percent H2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P1_95 Percent Gas										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P1_Full H2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Other Thermal P1										
Contract Energy (MWh)	-	-	-	39,374	37,861	27,954	24,433	17,181	20,760	22,239
Contract Cost ($000s)	-	-	-	3,647	5,094	4,713	4,605	4,281	4,490	4,616
Contract Cost ($/MWh)	-	-	-	93	135	169	188	249	216	208
Other Thermal P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	2,555	4,464	4,560	4,644	4,740
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Solar P2										
Contract Energy (MWh)	-	-	-	-	-	216,869	215,768	215,097	213,566	212,685
Contract Cost ($000s)	-	-	-	-	-	5,704	4,072	2,248	192	(1,225)
Contract Cost ($/MWh)	-	-	-	-	-	26	19	10	1	(6)
Storage P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Wind P1										
Contract Energy (MWh)	-	-	-	-	-	623,965	623,965	626,137	623,965	623,965
Contract Cost ($000s)	-	-	-	-	-	22,219	17,396	12,003	5,815	1,585
Contract Cost ($/MWh)	-	-	-	-	-	36	28	19	9	3

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
26,688	26,606	23,871	26,838	38,616	35,132	47,856	58,689	63,508	63,474
4,926	4,967	4,844	5,065	5,832	5,680	6,579	7,424	7,896	8,003
185	187	203	189	151	162	137	127	124	126
-	-	-	-	-	-	-	-	-	-
4,836	4,932	5,028	5,136	5,232	5,340	5,448	5,556	5,664	5,784
-	-	-	-	-	-	-	-	-	-
211,584	210,905	209,383	208,282	207,401	206,714	205,200	204,319	203,218	202,522
(1,841)	(2,613)	(2,967)	(3,493)	(3,275)	(2,855)	(2,231)	(2,057)	(1,774)	(1,337)
(9)	(12)	(14)	(17)	(16)	(14)	(11)	(10)	(9)	(7)
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
623,965	626,137	623,965	623,965	623,965	626,137	623,965	623,965	623,965	626,137
(331)	(2,724)	(3,906)	(5,616)	(5,229)	(4,245)	(2,627)	(2,365)	(1,766)	(676)
(1)	(4)	(6)	(9)	(8)	(7)	(4)	(4)	(3)	(1)

Existing Fleet Portfolio Contract Summary by Scenario

Note that for modeling purposes, congestion expectations are incorporated in contract prices for certain renewable contracts

Portfolio:	Retirements 7
Scenario:	Reference

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Capacity Purchase 200 MW PY2022/23										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]			-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Short Term Capacity #4										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Barton Wind Contract										
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
Buffalo Ridge Contract										
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
DSM_Residential_FiledPlan										
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237	110,526
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-	-
Jordan Creek										
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072

LFIT - Biomass										
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-	-
LFIT - Biomass FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0										
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542	22,449
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-	-
LFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187	6,162
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928	924
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219	6,193
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858	855
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0										
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-	-
LFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
920	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-
6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	-	-	-	-
478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	441	440	440	440	441	-	-	-	-
138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar										
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250	430,468
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Gibson Solar										
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499	594,040
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Green River Solar										
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321	466,390
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Solar)										
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333	212,453
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Storage)										
Contract Energy (MWh)	-	(188)	(3,166)	(3,547)	(3,696)	(4,284)	(4,446)	(4,870)	(5,081)	(5,234)
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA INCR II Wind										
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945	679,945
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]									
590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]									
463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]									
211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]									
(5,419)	(5,438)	(5,515)	(5,559)	(5,604)	(5,680)	(5,686)	(5,776)	(5,759)	(5,799)
[redacted]									
679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]									

SFIT - Solar FIT 1.0										
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088	1,084
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-	-
SFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140	139
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777	774
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122	121
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0										
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-	-
SFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
139	138	137	136	136	136	134	134	133	133
24	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-
770	768	762	758	755	753	747	744	740	738
120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	262
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan										
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775	232,227
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437	350,646
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240	-
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25	-
DSM_C&I_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	64,846
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	9,999
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	154
DSM_C&I_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850	107,240
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865	-
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62	-
DSM_Res Tier 1_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	73,809
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	10,670
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	145
DSM_Res Tier 1_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-
224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	159	83	57	44	36
99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Generic Solar_Ref_PPA_2030										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	521,276
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	25,126
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	48
Generic Solar_Ref_PPA_2032										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2039										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2040										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

846,338	843,622	837,531	833,128	829,605	826,855	820,798	817,275	812,872	810,089
40,793	40,663	40,369	40,157	39,987	39,854	39,562	39,393	39,180	39,046
48	48	48	48	48	48	48	48	48	48
-	1,031,760	1,675,062	1,666,255	1,659,210	1,653,710	1,641,596	1,634,551	1,625,744	1,620,177
-	50,618	82,179	81,746	81,401	81,131	80,537	80,191	79,759	79,486
-	49	49	49	49	49	49	49	49	49
-	-	-	-	635,406	1,033,569	1,025,998	1,021,594	1,016,090	1,012,611
-	-	-	-	32,120	52,247	51,864	51,642	51,363	51,187
-	-	-	-	51	51	51	51	51	51
-	-	-	-	-	-	-	-	249,036	405,044
-	-	-	-	-	-	-	-	13,211	21,488
-	-	-	-	-	-	-	-	53	53
-	-	-	-	-	-	-	-	-	123,844
-	-	-	-	-	-	-	-	-	6,648
-	-	-	-	-	-	-	-	-	54

Hydrogen P1										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Other Thermal P1										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Other Thermal P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Solar P2										
Contract Energy (MWh)	-	-	-	-	-	542,171	539,419	537,743	533,915	531,713
Contract Cost ($000s)	-	-	-	-	-	22,392	22,688	23,032	23,279	23,321
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44	44
Storage P2										
Contract Energy (MWh)	-	-	-	-	(22,755)	(46,024)	(72,187)	(73,592)	(76,750)	(79,471)
Contract Cost ($000s)	-	-	-	-	1,667	3,342	5,025	5,038	5,046	5,059
Contract Cost ($/MWh)	-	-	-	-	(73)	(73)	(70)	(68)	(66)	(64)
Wind P1										
Contract Energy (MWh)	-	-	-	-	-	623,965	623,965	626,137	623,965	623,965
Contract Cost ($000s)	-	-	-	-	-	31,573	31,872	32,277	32,459	32,546
Contract Cost ($/MWh)	-	-	-	-	-	51	51	52	52	52

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
528,961	527,264	523,457	520,705	518,503	516,784	512,999	510,797	508,045	506,305
23,343	23,416	23,393	23,416	23,556	23,715	23,783	23,926	24,041	24,206
44	44	45	45	45	46	46	47	47	48
(82,249)	(82,640)	(85,110)	(85,084)	(84,358)	(85,808)	(86,893)	(87,803)	(88,073)	(88,111)
5,071	5,084	5,096	5,105	5,117	5,130	5,142	5,155	5,167	5,180
(62)	(62)	(60)	(60)	(61)	(60)	(59)	(59)	(59)	(59)
623,965	626,137	623,965	623,965	623,965	626,137	623,965	623,965	623,965	626,137
32,640	32,841	32,821	32,908	32,964	33,141	33,083	33,145	33,207	33,386
52	52	53	53	53	53	53	53	53	53

Portfolio:	Retirements 7
Scenario:	Aggressive Environmental Regulation

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Capacity Purchase 200 MW PY2022/23										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-	-
Gap MW_Portfolio 7_AER										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]	-	-	-	-	-	531	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Short Term Capacity #4										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)		-	-	-	-	-	-	-	-	-
Barton Wind Contract										
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
Buffalo Ridge Contract										
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
DSM_Residential_FiledPlan										
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237	110,526
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-	-
Jordan Creek										
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
1,056	-	3,363	7,918	9,858	7,980	6,543	8,188	7,306	8,742
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
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107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072

LFIT - Biomass										
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-	-
LFIT - Biomass FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0										
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542	22,449
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-	-
LFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187	6,162
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928	924
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219	6,193
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858	855
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0										
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-	-
LFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
920	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-
6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	-	-	-	-
478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-
3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	441	440	440	440	441	-	-	-	-
138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar										
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250	430,468
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Gibson Solar										
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499	594,040
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Green River Solar										
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321	466,390
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Solar)										
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333	212,453
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Storage)										
Contract Energy (MWh)	-	(225)	(3,459)	(3,636)	(3,800)	(4,243)	(4,434)	(4,861)	(5,437)	(5,445)
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA INCR II Wind										
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945	679,945
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]									
590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]									
463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]									
211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]									
(5,657)	(5,739)	(5,698)	(5,669)	(5,707)	(5,772)	(5,757)	(5,726)	(5,739)	(5,697)
[redacted]									
679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]									

SFIT - Solar FIT 1.0										
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088	1,084
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-	-
SFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140	139
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777	774
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122	121
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0										
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-	-
SFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
139	138	137	136	136	136	134	134	133	133
24	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-
770	768	762	758	755	753	747	744	740	738
120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	262
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan										
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775	232,227
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437	350,646
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240	-
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25	-
DSM_C&I_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	64,846
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	9,999
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	154
DSM_C&I_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850	107,240
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865	-
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62	-
DSM_Res Tier 1_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	73,809
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	10,670
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	145
DSM_Res Tier 1_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-
224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	159	83	57	44	36
99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Generic Solar_AER_PPA_2030										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	521,276
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	20,809
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	40
Generic Solar_AER_PPA_2032										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2039										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2040										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

846,338	843,622	837,531	833,128	829,605	826,855	820,798	817,275	812,872	810,089
33,786	33,677	33,434	33,258	33,118	33,008	32,766	32,626	32,450	32,339
40	40	40	40	40	40	40	40	40	40
-	1,031,760	1,675,062	1,666,255	1,659,210	1,653,710	1,641,596	1,634,551	1,625,744	1,620,177
-	50,618	82,179	81,746	81,401	81,131	80,537	80,191	79,759	79,486
-	49	49	49	49	49	49	49	49	49
-	-	-	-	635,406	1,033,569	1,025,998	1,021,594	1,016,090	1,012,611
-	-	-	-	32,120	52,247	51,864	51,642	51,363	51,187
-	-	-	-	51	51	51	51	51	51
-	-	-	-	-	-	-	-	249,036	405,044
-	-	-	-	-	-	-	-	13,211	21,488
-	-	-	-	-	-	-	-	53	53
-	-	-	-	-	-	-	-	-	123,844
-	-	-	-	-	-	-	-	-	6,648
-	-	-	-	-	-	-	-	-	54

Hydrogen P1_5 Percent H2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P1_95 Percent Gas										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P1_Full H2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Other Thermal P1										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Other Thermal P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Solar P2										
Contract Energy (MWh)	-	-	-	-	-	542,171	539,419	537,743	533,915	531,713
Contract Cost ($000s)	-	-	-	-	-	22,392	22,688	23,032	23,279	23,321
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44	44
Storage P2										
Contract Energy (MWh)	-	-	-	-	(20,050)	(43,450)	(65,989)	(68,773)	(74,706)	(75,290)
Contract Cost ($000s)	-	-	-	-	1,667	3,342	5,025	5,038	5,046	5,059
Contract Cost ($/MWh)	-	-	-	-	(83)	(77)	(76)	(73)	(68)	(67)
Wind P1										
Contract Energy (MWh)	-	-	-	-	-	623,965	623,965	626,137	623,965	623,965
Contract Cost ($000s)	-	-	-	-	-	31,573	31,872	32,277	32,459	32,546
Contract Cost ($/MWh)	-	-	-	-	-	51	51	52	52	52

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
528,961	527,264	523,457	520,705	518,503	516,784	512,999	510,797	508,045	506,305
23,343	23,416	23,393	23,416	23,556	23,715	23,783	23,926	24,041	24,206
44	44	45	45	45	46	46	47	47	48
(80,635)	(83,157)	(80,994)	(78,824)	(78,567)	(77,366)	(77,308)	(77,359)	(77,629)	(76,191)
5,071	5,084	5,096	5,105	5,117	5,130	5,142	5,155	5,167	5,180
(63)	(61)	(63)	(65)	(65)	(66)	(67)	(67)	(67)	(68)
623,965	626,137	623,965	623,965	623,965	626,137	623,965	623,965	623,965	626,137
32,640	32,841	32,821	32,908	32,964	33,141	33,083	33,145	33,207	33,386
52	52	53	53	53	53	53	53	53	53

Portfolio:	Retirements 7
Scenario:	Status Quo Extended

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Capacity Purchase 200 MW PY2022/23										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-			-	-	-	-	-	-
Short Term Capacity #4										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Barton Wind Contract										
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
Buffalo Ridge Contract										
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
DSM_Residential_FiledPlan										
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237	110,526
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-	-
Jordan Creek										
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
1,285,776	1,288,072	1,285,513	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072

LFIT - Biomass										
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-	-
LFIT - Biomass FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0										
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542	22,449
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-	-
LFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187	6,162
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928	924
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219	6,193
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858	855
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0										
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-	-
LFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
22,333	22,281	22,088	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
6,130	6,116	6,063	6,065	6,039	6,024	5,975	5,949	5,917	5,902
920	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-
6,161	6,146	6,093	6,065	6,039	6,024	5,975	5,949	5,917	5,902
850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	-	-	-	-
478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
3,185	3,196	3,184	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	441	439	440	440	441	-	-	-	-
138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar										
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250	430,468
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Gibson Solar										
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499	594,040
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Green River Solar										
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321	466,390
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Solar)										
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333	212,453
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Storage)										
Contract Energy (MWh)	-	(156)	(3,514)	(3,686)	(4,076)	(4,384)	(4,500)	(4,865)	(5,040)	(5,091)
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA INCR II Wind										
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945	679,945
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

428,240	427,002	423,542	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]									
590,965	590,176	584,619	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]									
463,976	462,653	458,882	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]									
211,353	210,776	209,101	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]									
(5,222)	(5,291)	(5,492)	(5,550)	(5,562)	(5,583)	(5,617)	(5,610)	(5,699)	(5,726)
[redacted]									
679,945	682,074	679,875	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]									

SFIT - Solar FIT 1.0										
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088	1,084
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-	-
SFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140	139
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777	774
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122	121
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0										
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-	-
SFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

1,078	1,076	1,066	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
139	138	137	136	136	136	134	134	133	133
24	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-
770	768	762	758	755	753	747	744	740	738
120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	262
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan										
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775	232,227
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437	350,646
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240	-
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25	-
DSM_C&I_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	64,846
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	9,999
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	154
DSM_C&I_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850	107,240
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865	-
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62	-
DSM_Res Tier 1_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	73,809
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	10,670
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	145
DSM_Res Tier 1_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-
224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	159	83	57	44	36
99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Generic Solar_SQE_PPA_2030										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	521,276
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	25,126
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	48
Generic Solar_SQE_PPA_2032										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2039										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2040										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

846,338	843,622	837,531	833,128	829,605	826,855	820,798	817,275	812,872	810,089
40,793	40,663	40,369	40,157	39,987	39,854	39,562	39,393	39,180	39,046
48	48	48	48	48	48	48	48	48	48
-	1,031,760	1,675,062	1,666,255	1,659,210	1,653,710	1,641,596	1,634,551	1,625,744	1,620,177
-	50,618	82,179	81,746	81,401	81,131	80,537	80,191	79,759	79,486
-	49	49	49	49	49	49	49	49	49
-	-	-	-	635,406	1,033,569	1,025,998	1,021,594	1,016,090	1,012,611
-	-	-	-	32,120	52,247	51,864	51,642	51,363	51,187
-	-	-	-	51	51	51	51	51	51
-	-	-	-	-	-	-	-	249,036	405,044
-	-	-	-	-	-	-	-	13,211	21,488
-	-	-	-	-	-	-	-	53	53
-	-	-	-	-	-	-	-	-	123,844
-	-	-	-	-	-	-	-	-	6,648
-	-	-	-	-	-	-	-	-	54

Hydrogen P1										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Other Thermal P1										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Other Thermal P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Solar P2										
Contract Energy (MWh)	-	-	-	-	-	542,171	539,419	537,743	533,915	531,713
Contract Cost ($000s)	-	-	-	-	-	22,392	22,688	23,032	23,279	23,321
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44	44
Storage P2										
Contract Energy (MWh)	-	-	-	-	(22,417)	(47,136)	(73,295)	(76,036)	(76,986)	(77,095)
Contract Cost ($000s)	-	-	-	-	1,667	3,342	5,025	5,038	5,046	5,059
Contract Cost ($/MWh)	-	-	-	-	(74)	(71)	(69)	(66)	(66)	(66)
Wind P1										
Contract Energy (MWh)	-	-	-	-	-	623,965	623,965	626,137	623,965	623,965
Contract Cost ($000s)	-	-	-	-	-	31,573	31,872	32,277	32,459	32,546
Contract Cost ($/MWh)	-	-	-	-	-	51	51	52	52	52

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
528,961	527,264	523,143	520,705	518,503	516,784	512,999	510,797	508,045	506,305
23,343	23,416	23,379	23,416	23,556	23,715	23,783	23,926	24,041	24,206
44	44	45	45	45	46	46	47	47	48
(78,558)	(79,802)	(84,115)	(84,653)	(82,940)	(83,620)	(83,164)	(85,577)	(86,553)	(85,166)
5,071	5,084	5,096	5,105	5,117	5,130	5,142	5,155	5,167	5,180
(65)	(64)	(61)	(60)	(62)	(61)	(62)	(60)	(60)	(61)
623,965	626,137	623,811	623,965	623,965	626,137	623,965	623,965	623,965	626,137
32,640	32,841	32,812	32,908	32,964	33,141	33,083	33,145	33,207	33,386
52	52	53	53	53	53	53	53	53	53

Portfolio:	Retirements 7
Scenario:	Economy-wide Decarbonization

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Capacity Purchase 200 MW PY2022/23										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Gap MW_Portfolio 7_EWD										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	1,437	886	1,874	-	-	7,970	13,257	15,730
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Short Term Capacity #4										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Barton Wind Contract										
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)	[redacted]				-	-	-	-	-	-
Buffalo Ridge Contract										
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)	[redacted]				-	-	-	-	-	-
DSM_Residential_FiledPlan										
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237	110,526
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-	-
Jordan Creek										
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)	[redacted]									

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
19,954	23,028	26,886	31,889	33,225	32,173	32,281	37,031	41,979	50,147
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072

LFIT - Biomass										
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-	-
Contract Cost ($000s)	13,381	13,649	12,897	13,356	13,628	13,190	12,620	11,984	-	-
Contract Cost ($/MWh)	127	129	122	126	129	125	120	113	-	-
LFIT - Biomass FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0										
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542	22,449
Contract Cost ($000s)	7,222	7,366	7,288	7,454	7,552	7,511	7,442	7,376	-	-
Contract Cost ($/MWh)	311	317	314	321	328	328	327	325	-	-
LFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187	6,162
Contract Cost ($000s)	957	957	895	902	896	848	793	734	664	619
Contract Cost ($/MWh)	150	150	140	142	142	135	127	118	107	100
LFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219	6,193
Contract Cost ($000s)	487	885	823	829	824	777	721	662	593	547
Contract Cost ($/MWh)	138	138	128	130	130	123	115	106	95	88
LFIT - Wind FIT 1.0										
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478	478
Contract Cost ($000s)	93	95	92	95	97	96	94	92	-	-
Contract Cost ($/MWh)	195	199	193	199	203	201	197	192	-	-
LFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185
Contract Cost ($000s)	-	440	409	414	414	392	366	338	304	281
Contract Cost ($/MWh)	-	138	128	130	130	123	115	106	95	88

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
596	-	-	-	-	-	-	-	-	-
97	-	-	-	-	-	-	-	-	-
6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
525	499	483	463	464	472	-	-	-	-
85	81	79	76	77	78	-	-	-	-
478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
271	260	252	243	245	250	-	-	-	-
85	81	79	76	77	78	-	-	-	-

RFP PPA Brickyard Solar										
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250	430,468
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Gibson Solar										
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499	594,040
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Green River Solar										
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321	466,390
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Solar)										
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333	212,453
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Storage)										
Contract Energy (MWh)	-	(45)	(1,391)	(2,177)	(3,001)	(3,032)	(2,695)	(2,914)	(2,382)	(2,797)
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA INCR II Wind										
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945	679,945
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]									
590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]									
463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]									
211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]									
(3,155)	(2,642)	(2,988)	(3,066)	(3,236)	(2,893)	(3,775)	(2,844)	(2,943)	(3,786)
[redacted]									
679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]									

SFIT - Solar FIT 1.0										
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088	1,084
Contract Cost ($000s)	402	410	408	417	422	421	418	416	-	-
Contract Cost ($/MWh)	359	366	363	372	380	381	381	379	-	-
SFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140	139
Contract Cost ($000s)	25	25	23	23	23	22	21	19	18	17
Contract Cost ($/MWh)	170	170	160	162	162	155	147	138	127	120
SFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777	774
Contract Cost ($000s)	75	100	118	118	118	112	105	97	88	83
Contract Cost ($/MWh)	156	156	147	148	148	141	133	124	114	107
SFIT - Wind FIT 1.0										
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-	-
Contract Cost ($000s)	8	8	8	9	9	9	9	8	-	-
Contract Cost ($/MWh)	259	265	260	267	273	271	269	266	-	-
SFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
139	138	137	136	136	136	134	134	133	133
16	-	-	-	-	-	-	-	-	-
117	-	-	-	-	-	-	-	-	-
770	768	762	758	755	753	747	744	740	738
80	77	74	72	72	73	-	-	-	-
104	100	98	95	95	97	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	262
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan										
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775	232,227
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437	350,646
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240	-
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25	-
DSM_C&I_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	64,846
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	9,999
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	154
DSM_C&I_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850	107,240
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865	-
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62	-
DSM_Res Tier 1_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	73,809
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	10,670
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	145
DSM_Res Tier 1_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-
224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	159	83	57	44	36
99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Generic Solar_EWD_PPA_2030										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	521,276
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	(5,056)
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	(10)
Generic Solar_EWD_PPA_2032										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2039										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2040										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

846,338	843,622	837,531	833,128	829,605	826,855	820,798	817,275	812,872	810,089
(10,926)	(14,232)	(15,854)	(18,171)	(17,662)	(16,355)	(14,208)	(13,886)	(13,103)	(11,730)
(13)	(17)	(19)	(22)	(21)	(20)	(17)	(17)	(16)	(14)
-	1,031,760	1,675,062	1,666,255	1,659,210	1,653,710	1,641,596	1,634,551	1,625,744	1,620,177
-	(16,725)	(30,603)	(35,241)	(34,229)	(31,602)	(27,333)	(26,676)	(25,134)	(22,391)
-	(16)	(18)	(21)	(21)	(19)	(17)	(16)	(15)	(14)
-	-	-	-	635,406	1,033,569	1,025,998	1,021,594	1,016,090	1,012,611
-	-	-	-	(12,352)	(18,532)	(15,862)	(15,467)	(14,500)	(12,789)
-	-	-	-	(19)	(18)	(15)	(15)	(14)	(13)
-	-	-	-	-	-	-	-	249,036	405,044
-	-	-	-	-	-	-	-	(747)	(551)
-	-	-	-	-	-	-	-	(3)	(1)
-	-	-	-	-	-	-	-	-	123,844
-	-	-	-	-	-	-	-	-	(90)
-	-	-	-	-	-	-	-	-	(1)

Hydrogen P1_5 Percent H2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P1_95 Percent Gas										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P1_Full H2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Other Thermal P1										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Other Thermal P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Solar P2										
Contract Energy (MWh)	-	-	-	-	-	542,171	539,419	537,743	533,915	531,713
Contract Cost ($000s)	-	-	-	-	-	14,259	10,179	5,619	481	(3,063)
Contract Cost ($/MWh)	-	-	-	-	-	26	19	10	1	(6)
Storage P2										
Contract Energy (MWh)	-	-	-	-	(25,193)	(52,458)	(80,606)	(83,171)	(85,056)	(85,652)
Contract Cost ($000s)	-	-	-	-	1,667	3,342	5,025	5,038	5,046	5,059
Contract Cost ($/MWh)	-	-	-	-	(66)	(64)	(62)	(61)	(59)	(59)
Wind P1										
Contract Energy (MWh)	-	-	-	-	-	623,965	623,965	626,137	623,965	623,965
Contract Cost ($000s)	-	-	-	-	-	22,219	17,396	12,003	5,815	1,585
Contract Cost ($/MWh)	-	-	-	-	-	36	28	19	9	3

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
528,961	527,264	523,457	520,705	518,503	516,784	512,999	510,797	508,045	506,305
(4,602)	(6,533)	(7,417)	(8,732)	(8,187)	(7,137)	(5,576)	(5,144)	(4,435)	(3,342)
(9)	(12)	(14)	(17)	(16)	(14)	(11)	(10)	(9)	(7)
(84,484)	(85,832)	(87,873)	(85,049)	(81,454)	(81,403)	(78,906)	(78,046)	(78,315)	(77,224)
5,071	5,084	5,096	5,105	5,117	5,130	5,142	5,155	5,167	5,180
(60)	(59)	(58)	(60)	(63)	(63)	(65)	(66)	(66)	(67)
623,965	626,137	623,965	623,965	623,965	626,137	623,965	623,965	623,965	626,137
(331)	(2,724)	(3,906)	(5,616)	(5,229)	(4,245)	(2,627)	(2,365)	(1,766)	(676)
(1)	(4)	(6)	(9)	(8)	(7)	(4)	(4)	(3)	(1)

Existing Fleet Portfolio Contract Summary by Scenario

Note that for modeling purposes, congestion expectations are incorporated in contract prices for certain renewable contracts

Portfolio:	Retirements 7H
Scenario:	Reference

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Capacity Purchase 200 MW PY2022/23										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]			-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-			-	-	-	-	-	-
Short Term Capacity #4										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Barton Wind Contract										
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
Buffalo Ridge Contract										
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
DSM_Residential_FiledPlan										
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237	110,526
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-	-
Jordan Creek										
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072

LFIT - Biomass										
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-	-
LFIT - Biomass FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0										
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542	22,449
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-	-
LFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187	6,162
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928	924
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219	6,193
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858	855
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0										
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-	-
LFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
920	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-
6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	-	-	-	-
478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	441	440	440	440	441	-	-	-	-
138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar										
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250	430,468
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)	[redacted]									
RFP PPA Gibson Solar										
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499	594,040
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)	[redacted]									
RFP PPA Green River Solar										
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321	466,390
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)	[redacted]									
RFP PPA Greensboro S+S (Solar)										
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333	212,453
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)	[redacted]									
RFP PPA Greensboro S+S (Storage)										
Contract Energy (MWh)	-	(188)	(3,166)	(3,547)	(3,696)	(4,284)	(4,446)	(4,870)	(5,081)	(5,234)
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)	[redacted]									
RFP PPA INCR II Wind										
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945	679,945
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)	[redacted]									

428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]									
590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]									
463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]									
211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]									
(5,419)	(5,438)	(5,515)	(5,559)	(5,604)	(5,680)	(5,686)	(5,776)	(5,759)	(5,799)
[redacted]									
679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]									

SFIT - Solar FIT 1.0										
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088	1,084
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-	-
SFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140	139
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777	774
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122	121
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0										
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-	-
SFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
139	138	137	136	136	136	134	134	133	133
24	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-
770	768	762	758	755	753	747	744	740	738
120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	262
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan										
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775	232,227
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437	350,646
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240	-
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25	-
DSM_C&I_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	64,846
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	9,999
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	154
DSM_C&I_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850	107,240
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865	-
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62	-
DSM_Res Tier 1_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	73,809
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	10,670
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	145
DSM_Res Tier 1_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-
224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	159	83	57	44	36
99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Generic Solar_Ref_PPA_2030										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	521,276
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	25,126
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	48
Generic Solar_Ref_PPA_2032										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2039										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2040										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

846,338	843,622	837,531	833,128	829,605	826,855	820,798	817,275	812,872	810,089
40,793	40,663	40,369	40,157	39,987	39,854	39,562	39,393	39,180	39,046
48	48	48	48	48	48	48	48	48	48
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	635,406	1,033,569	1,025,998	1,021,594	1,016,090	1,012,611
-	-	-	-	32,120	52,247	51,864	51,642	51,363	51,187
-	-	-	-	51	51	51	51	51	51
-	-	-	-	-	-	-	-	249,036	405,044
-	-	-	-	-	-	-	-	13,211	21,488
-	-	-	-	-	-	-	-	53	53
-	-	-	-	-	-	-	-	-	123,844
-	-	-	-	-	-	-	-	-	6,648
-	-	-	-	-	-	-	-	-	54

Hydrogen P1										
Contract Energy (MWh)	-	-	-	-	118,411	123,583	108,163	109,499	131,596	124,497
Contract Cost ($000s)	-	-	-	61	27,214	29,005	29,107	29,913	31,707	32,130
Contract Cost ($/MWh)	-	-	-	-	230	235	269	273	241	258
Hydrogen P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	18	6,720	6,720	6,720	6,720	6,720
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Other Thermal P1										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Other Thermal P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Solar P2										
Contract Energy (MWh)	-	-	-	-	-	542,171	539,419	537,743	533,915	531,713
Contract Cost ($000s)	-	-	-	-	-	22,392	22,688	23,032	23,279	23,321
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44	44
Storage P2										
Contract Energy (MWh)	-	-	-	-	(22,755)	(23,012)	(24,062)	(24,531)	(25,583)	(26,490)
Contract Cost ($000s)	-	-	-	-	1,667	1,671	1,675	1,679	1,682	1,686
Contract Cost ($/MWh)	-	-	-	-	(73)	(73)	(70)	(68)	(66)	(64)
Wind P1										
Contract Energy (MWh)	-	-	-	-	-	623,965	623,965	626,137	623,965	623,965
Contract Cost ($000s)	-	-	-	-	-	31,573	31,872	32,277	32,459	32,546
Contract Cost ($/MWh)	-	-	-	-	-	51	51	52	52	52

113,209	100,670	104,787	112,431	126,574	138,982	135,268	171,893	181,200	181,141
32,369	32,453	33,504	34,724	36,395	38,058	38,670	42,153	43,897	44,937
286	322	320	309	288	274	286	245	242	248
-	-	-	-	-	-	-	-	-	-
6,720	6,720	6,720	6,720	6,720	6,720	6,720	6,720	6,720	6,720
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
528,961	527,264	523,457	520,705	518,503	516,784	512,999	510,797	508,045	506,305
23,343	23,416	23,393	23,416	23,556	23,715	23,783	23,926	24,041	24,206
44	44	45	45	45	46	46	47	47	48
(27,416)	(27,547)	(28,370)	(28,361)	(28,119)	(28,603)	(28,964)	(29,268)	(29,358)	(29,370)
1,690	1,695	1,699	1,702	1,706	1,710	1,714	1,718	1,722	1,727
(62)	(62)	(60)	(60)	(61)	(60)	(59)	(59)	(59)	(59)
623,965	626,137	623,965	623,965	623,965	626,137	623,965	623,965	623,965	626,137
32,640	32,841	32,821	32,908	32,964	33,141	33,083	33,145	33,207	33,386
52	52	53	53	53	53	53	53	53	53

Portfolio:	Retirements 7H
Scenario:	Aggressive Environmental Regulation

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Capacity Purchase 200 MW PY2022/23										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Gap MW_Portfolio 7H_AER										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]	-	-	-	-	-	165	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Short Term Capacity #4										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Barton Wind Contract										
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)	[redacted]				-	-	-	-	-	-
Buffalo Ridge Contract										
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)	[redacted]				-	-	-	-	-	-
DSM_Residential_FiledPlan										
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237	110,526
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-	-
Jordan Creek										
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)	[redacted]									

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	1,951	4,921	8,150	8,678	9,326	7,403	8,536	7,132	8,012
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072

LFIT - Biomass										
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-	-
LFIT - Biomass FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0										
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542	22,449
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-	-
LFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187	6,162
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928	924
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219	6,193
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858	855
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0										
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-	-
LFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
920	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-
6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	-	-	-	-
478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	441	440	440	440	441	-	-	-	-
138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar										
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250	430,468
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Gibson Solar										
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499	594,040
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Green River Solar										
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321	466,390
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Solar)										
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333	212,453
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Storage)										
Contract Energy (MWh)	-	(225)	(3,459)	(3,636)	(3,800)	(4,243)	(4,434)	(4,861)	(5,437)	(5,445)
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA INCR II Wind										
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945	679,945
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]									
590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]									
463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]									
211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]									
(5,657)	(5,739)	(5,698)	(5,669)	(5,707)	(5,772)	(5,757)	(5,726)	(5,739)	(5,697)
[redacted]									
679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]									

SFIT - Solar FIT 1.0										
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088	1,084
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-	-
SFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140	139
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777	774
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122	121
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0										
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-	-
SFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
139	138	137	136	136	136	134	134	133	133
24	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-
770	768	762	758	755	753	747	744	740	738
120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	262
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan										
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775	232,227
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437	350,646
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240	-
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25	-
DSM_C&I_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	64,846
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	9,999
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	154
DSM_C&I_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850	107,240
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865	-
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62	-
DSM_Res Tier 1_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	73,809
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	10,670
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	145
DSM_Res Tier 1_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-
224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	159	83	57	44	36
99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Generic Solar_AER_PPA_2030										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	521,276
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	20,809
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	40
Generic Solar_AER_PPA_2032										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2039										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2040										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P1_5 Percent H2										
Contract Energy (MWh)	-	-	-	225	79,257	79,257	79,257	79,482	79,257	79,257
Contract Cost ($000s)	-	-	-	4	1,605	1,751	1,951	2,209	2,533	2,951
Contract Cost ($/MWh)	-	-	-	18	20	22	25	28	32	37

846,338	843,622	837,531	833,128	829,605	826,855	820,798	817,275	812,872	810,089
33,786	33,677	33,434	33,258	33,118	33,008	32,766	32,626	32,450	32,339
40	40	40	40	40	40	40	40	40	40
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	635,406	1,033,569	1,025,998	1,021,594	1,016,090	1,012,611
-	-	-	-	32,120	52,247	51,864	51,642	51,363	51,187
-	-	-	-	51	51	51	51	51	51
-	-	-	-	-	-	-	-	249,036	405,044
-	-	-	-	-	-	-	-	13,211	21,488
-	-	-	-	-	-	-	-	53	53
-	-	-	-	-	-	-	-	-	123,844
-	-	-	-	-	-	-	-	-	6,648
-	-	-	-	-	-	-	-	-	54
79,257	79,482	79,257	79,257	79,257	79,482	79,257	79,257	79,257	79,482
3,491	4,197	5,092	6,264	7,791	8,109	8,403	8,728	9,065	9,439
44	53	64	79	98	102	106	110	114	119

Hydrogen P1_95 Percent Gas										
Contract Energy (MWh)	-	-	-	-	44,255	38,554	28,547	25,144	39,342	41,817
Contract Cost ($000s)	-	-	-	58	24,134	24,557	24,636	25,053	26,733	27,732
Contract Cost ($/MWh)	-	-	-	-	545	637	863	996	680	663
Hydrogen P1_Full H2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	18	6,720	6,720	6,720	6,720	6,720
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Other Thermal P1										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Other Thermal P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Solar P2										
Contract Energy (MWh)	-	-	-	-	-	542,171	539,419	537,743	533,915	531,713
Contract Cost ($000s)	-	-	-	-	-	22,392	22,688	23,032	23,279	23,321
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44	44
Storage P2										
Contract Energy (MWh)	-	-	-	-	(20,050)	(21,725)	(21,996)	(22,924)	(24,902)	(25,097)
Contract Cost ($000s)	-	-	-	-	1,667	1,671	1,675	1,679	1,682	1,686
Contract Cost ($/MWh)	-	-	-	-	(83)	(77)	(76)	(73)	(68)	(67)
Wind P1										
Contract Energy (MWh)	-	-	-	-	-	623,965	623,965	626,137	623,965	623,965
Contract Cost ($000s)	-	-	-	-	-	31,573	31,872	32,277	32,459	32,546
Contract Cost ($/MWh)	-	-	-	-	-	51	51	52	52	52

55,161	80,775	-	-	-	-	-	-	-	-
29,811	33,475	-	-	-	-	-	-	-	-
540	414	-	-	-	-	-	-	-	-
-	-	77,469	71,371	69,991	65,912	66,093	57,786	55,936	40,451
-	76	43,432	44,442	46,616	46,349	47,105	45,797	46,057	42,917
-	-	561	623	666	703	713	793	823	1,061
-	-	-	-	-	-	-	-	-	-
6,720	6,720	6,720	6,720	6,720	6,720	6,720	6,720	6,720	6,720
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
528,961	527,264	523,457	520,705	518,503	516,784	512,999	510,797	508,045	506,305
23,343	23,416	23,393	23,416	23,556	23,715	23,783	23,926	24,041	24,206
44	44	45	45	45	46	46	47	47	48
(26,878)	(27,719)	(26,998)	(26,275)	(26,189)	(25,789)	(25,769)	(25,786)	(25,876)	(25,397)
1,690	1,695	1,699	1,702	1,706	1,710	1,714	1,718	1,722	1,727
(63)	(61)	(63)	(65)	(65)	(66)	(67)	(67)	(67)	(68)
623,965	626,137	623,965	623,965	623,965	626,137	623,965	623,965	623,965	626,137
32,640	32,841	32,821	32,908	32,964	33,141	33,083	33,145	33,207	33,386
52	52	53	53	53	53	53	53	53	53

Portfolio:	Retirements 7H
Scenario:	Status Quo Extended

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Capacity Purchase 200 MW PY2022/23										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Short Term Capacity #4										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Barton Wind Contract										
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
Buffalo Ridge Contract										
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
DSM_Residential_FiledPlan										
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237	110,526
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-	-
Jordan Creek										
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
1,285,776	1,288,072	1,285,513	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072
[redacted]									

LFIT - Biomass										
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-	-
LFIT - Biomass FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0										
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542	22,449
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-	-
LFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187	6,162
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928	924
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219	6,193
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858	855
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0										
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-	-
LFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
22,333	22,281	22,088	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
6,130	6,116	6,063	6,065	6,039	6,024	5,975	5,949	5,917	5,902
920	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-
6,161	6,146	6,093	6,065	6,039	6,024	5,975	5,949	5,917	5,902
850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	-	-	-	-
478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
3,185	3,196	3,184	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	441	439	440	440	441	-	-	-	-
138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar										
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250	430,468
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Gibson Solar										
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499	594,040
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Green River Solar										
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321	466,390
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Solar)										
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333	212,453
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Storage)										
Contract Energy (MWh)	-	(156)	(3,514)	(3,686)	(4,076)	(4,384)	(4,500)	(4,865)	(5,040)	(5,091)
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA INCR II Wind										
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945	679,945
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

428,240	427,002	423,542	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]									
590,965	590,176	584,619	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]									
463,976	462,653	458,882	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]									
211,353	210,776	209,101	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]									
(5,222)	(5,291)	(5,492)	(5,550)	(5,562)	(5,583)	(5,617)	(5,610)	(5,699)	(5,726)
[redacted]									
679,945	682,074	679,875	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]									

SFIT - Solar FIT 1.0										
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088	1,084
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-	-
SFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140	139
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777	774
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122	121
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0										
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-	-
SFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

1,078	1,076	1,066	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
139	138	137	136	136	136	134	134	133	133
24	-	-	-	-	-	-	-	-	-
170	-	-	-	-	-	-	-	-	-
770	768	762	758	755	753	747	744	740	738
120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	262
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan										
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775	232,227
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437	350,646
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240	-
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25	-
DSM_C&I_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	64,846
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	9,999
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	154
DSM_C&I_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850	107,240
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865	-
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62	-
DSM_Res Tier 1_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	73,809
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	10,670
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	145
DSM_Res Tier 1_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-
224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	159	83	57	44	36
99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Generic Solar_SQE_PPA_2030										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	521,276
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	25,126
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	48
Generic Solar_SQE_PPA_2032										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2039										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2040										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

846,338	843,622	837,531	833,128	829,605	826,855	820,798	817,275	812,872	810,089
40,793	40,663	40,369	40,157	39,987	39,854	39,562	39,393	39,180	39,046
48	48	48	48	48	48	48	48	48	48
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	635,406	1,033,569	1,025,998	1,021,594	1,016,090	1,012,611
-	-	-	-	32,120	52,247	51,864	51,642	51,363	51,187
-	-	-	-	51	51	51	51	51	51
-	-	-	-	-	-	-	-	249,036	405,044
-	-	-	-	-	-	-	-	13,211	21,488
-	-	-	-	-	-	-	-	53	53
-	-	-	-	-	-	-	-	-	123,844
-	-	-	-	-	-	-	-	-	6,648
-	-	-	-	-	-	-	-	-	54

Hydrogen P1										
Contract Energy (MWh)	-	-	-	-	357,208	340,974	284,253	273,451	281,482	268,201
Contract Cost ($000s)	-	-	-	61	31,523	32,001	31,393	31,794	32,560	32,848
Contract Cost ($/MWh)	-	-	-	-	88	94	110	116	116	122
Hydrogen P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	18	6,720	6,720	6,720	6,720	6,720
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Other Thermal P1										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Other Thermal P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Solar P2										
Contract Energy (MWh)	-	-	-	-	-	542,171	539,419	537,743	533,915	531,713
Contract Cost ($000s)	-	-	-	-	-	22,392	22,688	23,032	23,279	23,321
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44	44
Storage P2										
Contract Energy (MWh)	-	-	-	-	(22,417)	(23,568)	(24,432)	(25,345)	(25,662)	(25,698)
Contract Cost ($000s)	-	-	-	-	1,667	1,671	1,675	1,679	1,682	1,686
Contract Cost ($/MWh)	-	-	-	-	(74)	(71)	(69)	(66)	(66)	(66)
Wind P1										
Contract Energy (MWh)	-	-	-	-	-	623,965	623,965	626,137	623,965	623,965
Contract Cost ($000s)	-	-	-	-	-	31,573	31,872	32,277	32,459	32,546
Contract Cost ($/MWh)	-	-	-	-	-	51	51	52	52	52

254,566	242,059	249,081	236,240	245,050	225,263	221,477	214,309	242,642	237,962
33,210	33,576	34,575	34,949	35,806	35,967	36,591	37,181	39,027	39,679
130	139	139	148	146	160	165	173	161	167
-	-	-	-	-	-	-	-	-	-
6,720	6,720	6,720	6,720	6,720	6,720	6,720	6,720	6,720	6,720
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
528,961	527,264	523,143	520,705	518,503	516,784	512,999	510,797	508,045	506,305
23,343	23,416	23,379	23,416	23,556	23,715	23,783	23,926	24,041	24,206
44	44	45	45	45	46	46	47	47	48
(26,186)	(26,601)	(28,038)	(28,218)	(27,647)	(27,873)	(27,721)	(28,526)	(28,851)	(28,389)
1,690	1,695	1,699	1,702	1,706	1,710	1,714	1,718	1,722	1,727
(65)	(64)	(61)	(60)	(62)	(61)	(62)	(60)	(60)	(61)
623,965	626,137	623,811	623,965	623,965	626,137	623,965	623,965	623,965	626,137
32,640	32,841	32,812	32,908	32,964	33,141	33,083	33,145	33,207	33,386
52	52	53	53	53	53	53	53	53	53

Portfolio:	Retirements 7H
Scenario:	Economy-wide Decarbonization

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Capacity Purchase 200 MW PY2022/23										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-	-
Gap MW_Portfolio 7H_EWD										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	1,305	463	-	-	-	6,302	11,067	12,472
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Short Term Capacity #4										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Barton Wind Contract										
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
Buffalo Ridge Contract										
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-	-
DSM_Residential_FiledPlan										
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237	110,526
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-	-
Jordan Creek										
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
16,377	19,308	22,280	26,171	26,640	29,295	28,659	32,590	36,707	43,373
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072

LFIT - Biomass										
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-	-
Contract Cost ($000s)	13,381	13,649	12,897	13,356	13,628	13,190	12,620	11,984	-	-
Contract Cost ($/MWh)	127	129	122	126	129	125	120	113	-	-
LFIT - Biomass FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0										
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542	22,449
Contract Cost ($000s)	7,222	7,366	7,288	7,454	7,552	7,511	7,442	7,376	-	-
Contract Cost ($/MWh)	311	317	314	321	328	328	327	325	-	-
LFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187	6,162
Contract Cost ($000s)	957	957	895	902	896	848	793	734	664	619
Contract Cost ($/MWh)	150	150	140	142	142	135	127	118	107	100
LFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219	6,193
Contract Cost ($000s)	487	885	823	829	824	777	721	662	593	547
Contract Cost ($/MWh)	138	138	128	130	130	123	115	106	95	88
LFIT - Wind FIT 1.0										
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478	478
Contract Cost ($000s)	93	95	92	95	97	96	94	92	-	-
Contract Cost ($/MWh)	195	199	193	199	203	201	197	192	-	-
LFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185
Contract Cost ($000s)	-	440	409	414	414	392	366	338	304	281
Contract Cost ($/MWh)	-	138	128	130	130	123	115	106	95	88

-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
596	-	-	-	-	-	-	-	-	-
97	-	-	-	-	-	-	-	-	-
6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
525	499	483	463	464	472	-	-	-	-
85	81	79	76	77	78	-	-	-	-
478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
271	260	252	243	245	250	-	-	-	-
85	81	79	76	77	78	-	-	-	-

RFP PPA Brickyard Solar										
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250	430,468
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Gibson Solar										
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499	594,040
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Green River Solar										
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321	466,390
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Solar)										
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333	212,453
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA Greensboro S+S (Storage)										
Contract Energy (MWh)	-	(45)	(1,391)	(2,177)	(3,001)	(3,032)	(2,695)	(2,914)	(2,382)	(2,797)
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										
RFP PPA INCR II Wind										
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945	679,945
Contract Cost ($000s)	[redacted]									
Contract Cost ($/MWh)										

428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]									
590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]									
463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]									
211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]									
(3,155)	(2,642)	(2,988)	(3,066)	(3,236)	(2,893)	(3,775)	(2,844)	(2,943)	(3,786)
[redacted]									
679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]									

SFIT - Solar FIT 1.0										
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088	1,084
Contract Cost ($000s)	402	410	408	417	422	421	418	416	-	-
Contract Cost ($/MWh)	359	366	363	372	380	381	381	379	-	-
SFIT - Solar FIT 2.0 Allocation I										
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140	139
Contract Cost ($000s)	25	25	23	23	23	22	21	19	18	17
Contract Cost ($/MWh)	170	170	160	162	162	155	147	138	127	120
SFIT - Solar FIT 2.0 Allocation II										
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777	774
Contract Cost ($000s)	75	100	118	118	118	112	105	97	88	83
Contract Cost ($/MWh)	156	156	147	148	148	141	133	124	114	107
SFIT - Wind FIT 1.0										
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-	-
Contract Cost ($000s)	8	8	8	9	9	9	9	8	-	-
Contract Cost ($/MWh)	259	265	260	267	273	271	269	266	-	-
SFIT - Wind FIT 2.0 Allocation I										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
139	138	137	136	136	136	134	134	133	133
16	-	-	-	-	-	-	-	-	-
117	-	-	-	-	-	-	-	-	-
770	768	762	758	755	753	747	744	740	738
80	77	74	72	72	73	-	-	-	-
104	100	98	95	95	97	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	262
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan										
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775	232,227
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437	350,646
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240	-
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25	-
DSM_C&I_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	64,846
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	9,999
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	154
DSM_C&I_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029										
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850	107,240
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865	-
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62	-
DSM_Res Tier 1_RAP_Alt._2030-2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	73,809
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	10,670
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	145
DSM_Res Tier 1_RAP_Alt._2036-2041										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-
145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-
224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	159	83	57	44	36
99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Generic Solar_EWD_PPA_2030										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	521,276
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	(5,056)
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	(10)
Generic Solar_EWD_PPA_2032										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2035										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2039										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2040										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-

846,338	843,622	837,531	833,128	829,605	826,855	820,798	817,275	812,872	810,089
(10,926)	(14,232)	(15,854)	(18,171)	(17,662)	(16,355)	(14,208)	(13,886)	(13,103)	(11,730)
(13)	(17)	(19)	(22)	(21)	(20)	(17)	(17)	(16)	(14)
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	635,406	1,033,569	1,025,998	1,021,594	1,016,090	1,012,611
-	-	-	-	(12,352)	(18,532)	(15,862)	(15,467)	(14,500)	(12,789)
-	-	-	-	(19)	(18)	(15)	(15)	(14)	(13)
-	-	-	-	-	-	-	-	249,036	405,044
-	-	-	-	-	-	-	-	(747)	(551)
-	-	-	-	-	-	-	-	(3)	(1)
-	-	-	-	-	-	-	-	-	123,844
-	-	-	-	-	-	-	-	-	(90)
-	-	-	-	-	-	-	-	-	(1)

Hydrogen P1_5 Percent H2										
Contract Energy (MWh)	-	-	-	225	79,257	79,257	79,257	79,482	79,257	79,257
Contract Cost ($000s)	-	-	-	2	637	243	(212)	(712)	(1,245)	(1,564)
Contract Cost ($/MWh)	-	-	-	7	8	3	(3)	(9)	(16)	(20)
Hydrogen P1_95 Percent Gas										
Contract Energy (MWh)	-	-	-	-	97,450	87,361	70,585	60,547	88,962	96,852
Contract Cost ($000s)	-	-	-	58	25,377	25,643	25,626	25,843	27,567	28,539
Contract Cost ($/MWh)	-	-	-	-	260	294	363	427	310	295
Hydrogen P1_Full H2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Hydrogen P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	18	6,720	6,720	6,720	6,720	6,720
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Other Thermal P1										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Other Thermal P2										
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-	-
Solar P2										
Contract Energy (MWh)	-	-	-	-	-	542,171	539,419	537,743	533,915	531,713
Contract Cost ($000s)	-	-	-	-	-	14,259	10,179	5,619	481	(3,063)
Contract Cost ($/MWh)	-	-	-	-	-	26	19	10	1	(6)
Storage P2										
Contract Energy (MWh)	-	-	-	-	(25,193)	(26,229)	(26,869)	(27,724)	(28,352)	(28,551)
Contract Cost ($000s)	-	-	-	-	1,667	1,671	1,675	1,679	1,682	1,686
Contract Cost ($/MWh)	-	-	-	-	(66)	(64)	(62)	(61)	(59)	(59)
Wind P1										
Contract Energy (MWh)	-	-	-	-	-	623,965	623,965	626,137	623,965	623,965
Contract Cost ($000s)	-	-	-	-	-	22,219	17,396	12,003	5,815	1,585
Contract Cost ($/MWh)	-	-	-	-	-	36	28	19	9	3

79,257	79,482	79,257	79,257	79,257	79,482	79,257	79,257	79,257	79,482
(1,659)	(1,797)	(1,807)	(1,866)	(1,742)	(1,580)	(1,356)	(1,251)	(1,121)	(965)
(21)	(23)	(23)	(24)	(22)	(20)	(17)	(16)	(14)	(12)
125,718	125,604	-	-	-	-	-	-	-	-
30,510	31,150	-	-	-	-	-	-	-	-
243	248	-	-	-	-	-	-	-	-
-	-	114,888	130,271	168,835	161,327	209,135	258,134	270,940	273,805
-	76	39,015	39,904	42,217	43,961	50,870	59,143	64,348	68,706
-	-	340	306	250	272	243	229	237	251
-	-	-	-	-	-	-	-	-	-
6,720	6,720	6,720	6,720	6,720	6,720	6,720	6,720	6,720	6,720
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
528,961	527,264	523,457	520,705	518,503	516,784	512,999	510,797	508,045	506,305
(4,602)	(6,533)	(7,417)	(8,732)	(8,187)	(7,137)	(5,576)	(5,144)	(4,435)	(3,342)
(9)	(12)	(14)	(17)	(16)	(14)	(11)	(10)	(9)	(7)
(28,161)	(28,611)	(29,291)	(28,350)	(27,151)	(27,134)	(26,302)	(26,015)	(26,105)	(25,741)
1,690	1,695	1,699	1,702	1,706	1,710	1,714	1,718	1,722	1,727
(60)	(59)	(58)	(60)	(63)	(63)	(65)	(66)	(66)	(67)
623,965	626,137	623,965	623,965	623,965	626,137	623,965	623,965	623,965	626,137
(331)	(2,724)	(3,906)	(5,616)	(5,229)	(4,245)	(2,627)	(2,365)	(1,766)	(676)
(1)	(4)	(6)	(9)	(8)	(7)	(4)	(4)	(3)	(1)

Resource Capacity Factor Summary

Portfolio	Replacements 1
Scenario	Reference

Capacity Factor

	Indiana Crossr	Michigan City #	NIPSCO Customer-Owned BTM Storage	NIPSCO Customer-Owned Distributed Generation	Norway #1-#4 NIPS	Oakdale #1+2+3	Cavalry S+S (Solar Only)	Cavalry S+S (Storage Only)	Dunns Bridge 1 Solar	Dunns Bridge 2 S+S (Solar Only)	Dunns Bridge 2 S+S (Storage Only)	Elliot Solar
2021	43%	68%	0%	19%	65%	52%	0%	0%	0%	0%	0%	0%
2022	37%	67%	0%	19%	65%	52%	0%	0%	10%	0%	0%	0%
2023	37%	73%	0%	19%	65%	52%	11%	-2%	24%	10%	-2%	26%
2024	38%	79%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2025	37%	71%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2026	37%	65%	0%	20%	65%	52%	25%	-2%	24%	24%	-2%	25%
2027	37%	63%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2028	38%	61%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2029	37%	62%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2030	37%	62%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2031	37%	61%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2032	38%	63%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2033	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2034	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2035	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2036	38%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2037	37%	0%	-3%	20%	65%	52%	25%	-2%	24%	24%	-2%	25%
2038	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2039	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2040	38%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%

Fairbanks Solar	INCR Solar	RM Schahfer #15	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	Rosewater	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	DER_Paired_S
0%	0%	73%	2%	2%	42%	56%	35%	70%	0%	0%	12%	0%	0%	0%
0%	9%	0%	0%	0%	57%	62%	35%	65%	0%	0%	7%	0%	0%	0%
17%	25%	0%	0%	0%	61%	66%	35%	68%	0%	0%	5%	0%	0%	0%
27%	25%	0%	0%	1%	0%	0%	35%	66%	0%	0%	6%	0%	0%	0%
27%	25%	0%	0%	1%	0%	0%	35%	65%	0%	0%	5%	0%	0%	0%
27%	25%	0%	0%	0%	0%	0%	35%	66%	0%	0%	4%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	3%	69%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	2%	56%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	5%	67%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	5%	63%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	62%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	3%	62%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	61%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	61%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	5%	60%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	51%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	5%	62%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	6%	64%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	7%	68%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	7%	68%	0%	6%

Gas Peaking A	Generic 4-Hou	Generic 4-Hou	Generic 4-Hou	Storage A2
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	-3%
0%	0%	0%	0%	-3%
0%	0%	0%	0%	-3%
0%	0%	0%	0%	-3%
0%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
4%	0%	0%	0%	-3%
4%	0%	0%	0%	-3%
4%	0%	0%	-3%	-3%
5%	0%	0%	-3%	-3%
5%	0%	0%	-3%	-3%
5%	0%	0%	-3%	-3%

Portfolio	Replacements 1
Scenario	Aggressive Environmental Regulation

Capacity Factor

	Indiana Crossr	Michigan City #	NIPSCO Custo	NIPSCO Custo	Norway #1- #4	Oakdale #1+2-	Cavalry S+S (S	Cavalry S+S (S	Dunns Bridge	Dunns Bridge 2	Dunns Bridge 1	Elliot Solar
2021	43%	68%	0%	19%	65%	52%	0%	0%	0%	0%	0%	0%
2022	37%	70%	0%	19%	65%	52%	0%	0%	10%	0%	0%	0%
2023	37%	74%	0%	19%	65%	52%	11%	-2%	24%	10%	-2%	26%
2024	38%	74%	-2%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2025	37%	65%	-2%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2026	37%	71%	-2%	20%	65%	52%	25%	-2%	24%	24%	-2%	25%
2027	37%	69%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2028	38%	62%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2029	37%	57%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	24%
2030	37%	55%	-3%	19%	65%	52%	24%	-2%	24%	24%	-2%	24%
2031	37%	54%	-3%	19%	65%	52%	24%	-2%	24%	24%	-2%	24%
2032	38%	53%	-3%	19%	65%	52%	24%	-2%	23%	24%	-2%	23%
2033	37%	0%	-3%	19%	65%	52%	24%	-2%	23%	24%	-2%	23%
2034	37%	0%	-3%	19%	65%	52%	23%	-2%	23%	23%	-2%	23%
2035	37%	0%	-3%	19%	65%	52%	23%	-2%	23%	23%	-2%	22%
2036	38%	0%	-3%	19%	65%	52%	23%	-2%	22%	22%	-2%	22%
2037	37%	0%	-3%	20%	65%	52%	23%	-2%	22%	22%	-2%	22%
2038	37%	0%	-3%	19%	65%	52%	22%	-2%	21%	22%	-2%	21%
2039	37%	0%	-3%	19%	65%	52%	23%	-2%	21%	22%	-2%	21%
2040	38%	0%	-3%	19%	65%	52%	23%	-2%	22%	23%	-2%	22%

Fairbanks Sola	INCR Solar	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	Rosewater	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	DER_Paired_S
0%	0%	73%	2%	2%	41%	57%	35%	70%	0%	0%	12%	0%	0%	0%
0%	9%	0%	0%	0%	63%	65%	35%	54%	0%	0%	3%	0%	0%	0%
17%	25%	0%	0%	0%	62%	67%	35%	50%	0%	0%	2%	0%	0%	0%
27%	25%	0%	0%	0%	0%	0%	35%	55%	0%	0%	3%	0%	0%	0%
27%	25%	0%	0%	0%	0%	0%	35%	43%	0%	0%	1%	0%	0%	0%
27%	25%	0%	0%	0%	0%	0%	35%	37%	0%	0%	1%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	40%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	32%	0%	6%
26%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	37%	0%	6%
26%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	36%	0%	6%
26%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	2%	42%	0%	6%
25%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	2%	48%	0%	6%
25%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	2%	50%	0%	6%
24%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	47%	0%	6%
24%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	42%	0%	6%
23%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	32%	0%	6%
23%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	39%	0%	6%
23%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	36%	0%	6%
23%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	36%	0%	6%
23%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	34%	0%	6%

Gas Peaking A	Generic 4-Hou	Generic 4-Hou	Generic 4-Hou	Storage A2
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	-3%
0%	0%	0%	0%	-3%
0%	0%	0%	0%	-3%
0%	0%	0%	0%	-3%
0%	0%	0%	0%	-3%
2%	0%	0%	0%	-3%
2%	0%	0%	0%	-3%
2%	0%	0%	0%	-3%
2%	0%	0%	0%	-3%
2%	0%	0%	0%	-3%
2%	0%	0%	-3%	-3%
1%	0%	0%	-3%	-3%
1%	0%	0%	-3%	-3%
1%	0%	0%	-3%	-3%

Portfolio	Replacements 1
Scenario	Status Quo Extended

Capacity Factor

	Indiana Crossr	Michigan City #	NIPSCO Custo	NIPSCO Custo	Norway #1- #4	Oakdale #1+2-	Cavalry S+S (S	Cavalry S+S (S	Dunns Bridge	Dunns Bridge 2	Dunns Bridge 3	Elliot Solar
2021	43%	68%	0%	19%	65%	52%	0%	0%	0%	0%	0%	0%
2022	37%	64%	0%	19%	65%	52%	0%	0%	10%	0%	0%	0%
2023	37%	69%	0%	19%	65%	52%	11%	-1%	24%	10%	-1%	26%
2024	38%	75%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2025	37%	64%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2026	37%	68%	0%	20%	65%	52%	25%	-2%	24%	24%	-2%	25%
2027	37%	68%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2028	38%	65%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2029	37%	63%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2030	37%	63%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2031	37%	61%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2032	38%	64%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2033	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2034	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2035	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2036	38%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2037	37%	0%	0%	20%	65%	52%	25%	-2%	24%	24%	-2%	25%
2038	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2039	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2040	38%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%

Fairbanks Sola	INCR Solar	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	Rosewater	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	DER_Paired_S
0%	0%	73%	2%	2%	41%	56%	35%	70%	0%	0%	12%	0%	0%	0%
0%	9%	0%	0%	0%	54%	59%	35%	69%	0%	0%	9%	0%	0%	0%
17%	25%	0%	0%	0%	55%	60%	35%	86%	0%	0%	13%	0%	0%	0%
27%	25%	0%	0%	3%	0%	0%	35%	87%	0%	0%	21%	0%	0%	0%
27%	25%	0%	0%	3%	0%	0%	35%	87%	0%	0%	20%	0%	0%	0%
27%	25%	0%	0%	2%	0%	0%	35%	82%	0%	0%	19%	0%	0%	6%
27%	25%	0%	0%	1%	0%	0%	35%	0%	0%	0%	16%	86%	0%	6%
27%	25%	0%	0%	1%	0%	0%	35%	0%	0%	0%	12%	70%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	17%	84%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	16%	79%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	15%	81%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	15%	80%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	15%	79%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	15%	76%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	15%	78%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	11%	64%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	14%	77%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	13%	73%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	16%	77%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	16%	78%	0%	6%

Gas Peaking A	Generic 4-Hou	Generic 4-Hou	Generic 4-Hou	Storage A2
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	-3%
0%	0%	0%	0%	-3%
0%	0%	0%	0%	-3%
0%	0%	0%	0%	-3%
0%	0%	0%	0%	-3%
8%	0%	0%	0%	-3%
8%	0%	0%	0%	-3%
8%	0%	0%	0%	-3%
8%	0%	0%	0%	-3%
7%	0%	0%	0%	-3%
7%	0%	0%	-3%	-3%
7%	0%	0%	-3%	-3%
8%	0%	0%	-3%	-3%
8%	0%	0%	-3%	-3%

Portfolio	Replacements 1
Scenario	Economy-Wide Decarbonization

Capacity Factor

	Indiana Crossr	Michigan City #	NIPSCO Custo	NIPSCO Custo	Norway #1- #4	Oakdale #1+2	Cavalry S+S (S	Cavalry S+S (S	Dunns Bridge	Dunns Bridge 2	Dunns Bridge 3	Elliot Solar
2021	43%	68%	0%	19%	65%	52%	0%	0%	0%	0%	0%	0%
2022	37%	65%	0%	19%	65%	52%	0%	0%	10%	0%	0%	0%
2023	37%	72%	0%	19%	65%	52%	11%	-1%	24%	10%	-1%	26%
2024	38%	78%	-1%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2025	37%	70%	-1%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2026	37%	73%	0%	20%	65%	52%	25%	-1%	24%	24%	-1%	25%
2027	37%	77%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2028	38%	71%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2029	37%	68%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2030	37%	70%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2031	37%	72%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2032	38%	69%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2033	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2034	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2035	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2036	38%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2037	37%	0%	0%	20%	65%	52%	25%	-1%	24%	24%	-1%	25%
2038	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2039	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2040	38%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%

Fairbanks Sola	INCR Solar	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	Rosewater	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	DER_Paired_S
0%	0%	73%	2%	2%	42%	57%	35%	70%	0%	0%	12%	0%	0%	0%
0%	9%	0%	0%	0%	55%	61%	35%	64%	0%	0%	6%	0%	0%	0%
17%	25%	0%	0%	0%	60%	64%	35%	67%	0%	0%	5%	0%	0%	0%
27%	25%	0%	0%	1%	0%	0%	35%	64%	0%	0%	6%	0%	0%	0%
27%	25%	0%	0%	1%	0%	0%	35%	60%	0%	0%	4%	0%	0%	0%
27%	25%	0%	0%	0%	0%	0%	35%	54%	0%	0%	3%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	3%	53%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	39%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	44%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	44%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	5%	50%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	5%	50%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	48%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	51%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	7%	59%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	5%	48%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	8%	66%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	11%	67%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	13%	70%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	12%	70%	0%	6%

Gas Peaking A	Generic 4-Hou	Generic 4-Hou	Generic 4-Hou	Storage A2
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	-3%
0%	0%	0%	0%	-3%
0%	0%	0%	0%	-3%
0%	0%	0%	0%	-3%
0%	0%	0%	0%	-3%
4%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
4%	0%	0%	0%	-3%
5%	0%	0%	0%	-3%
5%	0%	0%	0%	-3%
7%	0%	0%	-3%	-3%
8%	0%	0%	-3%	-3%
9%	0%	0%	-3%	-3%
9%	0%	0%	-3%	-3%

Resource Capacity Factor Summary

Portfolio	Replacements 2
Scenario	Reference

Capacity Factor

	Indiana Crossr	Michigan City #	NIPSCO Customer-Owned BTM Storage	NIPSCO Customer-Owned Distributed Generation	Norway #1-#4 NIPS	Oakdale #1+2+3	Cavalry S+S (Solar Only)	Cavalry S+S (Storage Only)	Dunns Bridge 1 Solar	Dunns Bridge 2 S+S (Solar Only)	Dunns Bridge 2 S+S (Storage Only)	Elliot Solar
2021	43%	68%	0%	19%	65%	52%	0%	0%	0%	0%	0%	0%
2022	37%	67%	0%	19%	65%	52%	0%	0%	10%	0%	0%	0%
2023	37%	73%	0%	19%	65%	52%	11%	-2%	24%	10%	-2%	26%
2024	38%	79%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2025	37%	71%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2026	37%	65%	0%	20%	65%	52%	25%	-2%	24%	24%	-2%	25%
2027	37%	63%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2028	38%	63%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2029	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2030	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2031	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2032	38%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2033	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2034	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2035	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2036	38%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2037	37%	0%	-3%	20%	65%	52%	25%	-2%	24%	24%	-2%	25%
2038	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2039	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2040	38%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%

Fairbanks Solar	INCR Solar	RM Schahfer #15	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	Rosewater	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	DER_Paired_S
0%	0%	73%	2%	2%	42%	56%	35%	70%	0%	0%	12%	0%	0%	0%
0%	9%	0%	0%	0%	57%	62%	35%	65%	0%	0%	7%	0%	0%	0%
17%	25%	0%	0%	0%	61%	66%	35%	68%	0%	0%	5%	0%	0%	0%
27%	25%	0%	0%	1%	0%	0%	35%	66%	0%	0%	6%	0%	0%	0%
27%	25%	0%	0%	1%	0%	0%	35%	65%	0%	0%	5%	0%	0%	0%
27%	25%	0%	0%	0%	0%	0%	35%	66%	0%	0%	4%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	3%	69%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	2%	56%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	5%	67%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	5%	63%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	62%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	3%	62%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	61%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	61%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	5%	60%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	51%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	5%	62%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	6%	64%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	7%	68%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	7%	68%	0%	6%

Gas Peaking A	Generic 4-Hou	Generic 4-Hou	Generic 4-Hou	Storage A2
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
4%	0%	0%	0%	-3%
4%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
4%	0%	0%	0%	-3%
4%	0%	0%	0%	-3%
4%	0%	0%	-3%	-3%
5%	0%	0%	-3%	-3%
5%	0%	0%	-3%	-3%
5%	0%	0%	-3%	-3%

Portfolio	Replacements 2
Scenario	Aggressive Environmental Regulation

Capacity Factor

	Indiana Crossr	Michigan City #	NIPSCO Custo	NIPSCO Custo	Norway #1- #4	Oakdale #1+2-	Cavalry S+S (S	Cavalry S+S (S	Dunns Bridge	Dunns Bridge 2	Dunns Bridge 1	Elliot Solar
2021	43%	68%	0%	19%	65%	52%	0%	0%	0%	0%	0%	0%
2022	37%	70%	0%	19%	65%	52%	0%	0%	10%	0%	0%	0%
2023	37%	74%	0%	19%	65%	52%	11%	-2%	24%	10%	-2%	26%
2024	38%	74%	-2%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2025	37%	65%	-2%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2026	37%	71%	-2%	20%	65%	52%	25%	-2%	24%	24%	-2%	25%
2027	37%	69%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2028	38%	65%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2029	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	24%
2030	37%	0%	-3%	19%	65%	52%	24%	-2%	24%	24%	-2%	24%
2031	37%	0%	-3%	19%	65%	52%	24%	-2%	24%	24%	-2%	24%
2032	38%	0%	-3%	19%	65%	52%	24%	-2%	23%	24%	-2%	23%
2033	37%	0%	-3%	19%	65%	52%	24%	-2%	23%	24%	-2%	23%
2034	37%	0%	-3%	19%	65%	52%	23%	-2%	23%	23%	-2%	23%
2035	37%	0%	-3%	19%	65%	52%	23%	-2%	23%	23%	-2%	22%
2036	38%	0%	-3%	19%	65%	52%	23%	-2%	22%	22%	-2%	22%
2037	37%	0%	-3%	20%	65%	52%	23%	-2%	22%	22%	-2%	22%
2038	37%	0%	-3%	19%	65%	52%	22%	-2%	21%	22%	-2%	21%
2039	37%	0%	-3%	19%	65%	52%	23%	-2%	21%	22%	-2%	21%
2040	38%	0%	-3%	19%	65%	52%	23%	-2%	22%	23%	-2%	22%

Fairbanks Sola	INCR Solar	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	Rosewater	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	DER_Paired_S
0%	0%	73%	2%	2%	41%	57%	35%	70%	0%	0%	12%	0%	0%	0%
0%	9%	0%	0%	0%	63%	65%	35%	54%	0%	0%	3%	0%	0%	0%
17%	25%	0%	0%	0%	62%	67%	35%	50%	0%	0%	2%	0%	0%	0%
27%	25%	0%	0%	0%	0%	0%	35%	55%	0%	0%	3%	0%	0%	0%
27%	25%	0%	0%	0%	0%	0%	35%	43%	0%	0%	1%	0%	0%	0%
27%	25%	0%	0%	0%	0%	0%	35%	37%	0%	0%	1%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	40%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	32%	0%	6%
26%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	37%	0%	6%
26%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	36%	0%	6%
26%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	2%	42%	0%	6%
25%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	2%	48%	0%	6%
25%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	2%	50%	0%	6%
24%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	47%	0%	6%
24%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	42%	0%	6%
23%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	32%	0%	6%
23%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	39%	0%	6%
23%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	36%	0%	6%
23%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	36%	0%	6%
23%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	34%	0%	6%

Gas Peaking A	Generic 4-Hou	Generic 4-Hou	Generic 4-Hou	Storage A2
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	-3%
0%	0%	0%	0%	-3%
1%	0%	0%	0%	-3%
1%	0%	0%	0%	-3%
2%	0%	0%	0%	-3%
2%	0%	0%	0%	-3%
2%	0%	0%	0%	-3%
2%	0%	0%	0%	-3%
2%	0%	0%	0%	-3%
2%	0%	0%	0%	-3%
2%	0%	0%	-3%	-3%
1%	0%	0%	-3%	-3%
1%	0%	0%	-3%	-3%
1%	0%	0%	-3%	-3%

Portfolio	Replacements 2
Scenario	Status Quo Extended

Capacity Factor

	Indiana Crossr	Michigan City #	NIPSCO Custo	NIPSCO Custo	Norway #1- #4	Oakdale #1+2-	Cavalry S+S (S	Cavalry S+S (S	Dunns Bridge	Dunns Bridge 2	Dunns Bridge 3	Elliot Solar
2021	43%	68%	0%	19%	65%	52%	0%	0%	0%	0%	0%	0%
2022	37%	64%	0%	19%	65%	52%	0%	0%	10%	0%	0%	0%
2023	37%	69%	0%	19%	65%	52%	11%	-1%	24%	10%	-1%	26%
2024	38%	75%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2025	37%	64%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2026	37%	68%	0%	20%	65%	52%	25%	-2%	24%	24%	-2%	25%
2027	37%	68%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2028	38%	65%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2029	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2030	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2031	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2032	38%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2033	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2034	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2035	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2036	38%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2037	37%	0%	0%	20%	65%	52%	25%	-2%	24%	24%	-2%	25%
2038	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2039	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2040	38%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%

Fairbanks Sola	INCR Solar	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	Rosewater	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	DER_Paired_S
0%	0%	73%	2%	2%	41%	56%	35%	70%	0%	0%	12%	0%	0%	0%
0%	9%	0%	0%	0%	54%	59%	35%	69%	0%	0%	9%	0%	0%	0%
17%	25%	0%	0%	0%	55%	60%	35%	86%	0%	0%	13%	0%	0%	0%
27%	25%	0%	0%	3%	0%	0%	35%	87%	0%	0%	21%	0%	0%	0%
27%	25%	0%	0%	3%	0%	0%	35%	87%	0%	0%	20%	0%	0%	0%
27%	25%	0%	0%	2%	0%	0%	35%	82%	0%	0%	19%	0%	0%	6%
27%	25%	0%	0%	1%	0%	0%	35%	0%	0%	0%	16%	86%	0%	6%
27%	25%	0%	0%	1%	0%	0%	35%	0%	0%	0%	12%	70%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	17%	84%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	16%	79%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	15%	81%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	15%	80%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	15%	79%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	15%	76%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	15%	78%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	11%	64%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	14%	77%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	13%	73%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	16%	77%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	16%	78%	0%	6%

Gas Peaking A	Generic 4-Hou	Generic 4-Hou	Generic 4-Hou	Storage A2
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	-3%
10%	0%	0%	0%	-3%
10%	0%	0%	0%	-3%
9%	0%	0%	0%	-3%
8%	0%	0%	0%	-3%
8%	0%	0%	0%	-3%
8%	0%	0%	0%	-3%
8%	0%	0%	0%	-3%
8%	0%	0%	0%	-3%
7%	0%	0%	0%	-3%
7%	0%	0%	-3%	-3%
7%	0%	0%	-3%	-3%
8%	0%	0%	-3%	-3%
8%	0%	0%	-3%	-3%

Portfolio	Replacements 2
Scenario	Economy-Wide Decarbonization

Capacity Factor

	Indiana Crossr	Michigan City #	NIPSCO Custo	NIPSCO Custo	Norway #1- #4	Oakdale #1+2-	Cavalry S+S (S	Cavalry S+S (S	Dunns Bridge	Dunns Bridge 2	Dunns Bridge 1	Elliot Solar
2021	43%	68%	0%	19%	65%	52%	0%	0%	0%	0%	0%	0%
2022	37%	65%	0%	19%	65%	52%	0%	0%	10%	0%	0%	0%
2023	37%	72%	0%	19%	65%	52%	11%	-1%	24%	10%	-1%	26%
2024	38%	78%	-1%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2025	37%	70%	-1%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2026	37%	73%	0%	20%	65%	52%	25%	-1%	24%	24%	-1%	25%
2027	37%	77%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2028	38%	67%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2029	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2030	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2031	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2032	38%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2033	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2034	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2035	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2036	38%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2037	37%	0%	0%	20%	65%	52%	25%	-1%	24%	24%	-1%	25%
2038	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2039	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2040	38%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%

Fairbanks Sola	INCR Solar	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	Rosewater	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	DER_Paired_S
0%	0%	73%	2%	2%	42%	57%	35%	70%	0%	0%	12%	0%	0%	0%
0%	9%	0%	0%	0%	55%	61%	35%	64%	0%	0%	6%	0%	0%	0%
17%	25%	0%	0%	0%	60%	64%	35%	67%	0%	0%	5%	0%	0%	0%
27%	25%	0%	0%	1%	0%	0%	35%	64%	0%	0%	6%	0%	0%	0%
27%	25%	0%	0%	1%	0%	0%	35%	60%	0%	0%	4%	0%	0%	0%
27%	25%	0%	0%	0%	0%	0%	35%	54%	0%	0%	3%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	3%	53%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	39%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	44%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	44%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	5%	50%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	5%	50%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	48%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	51%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	7%	59%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	5%	48%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	8%	66%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	11%	67%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	13%	70%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	12%	70%	0%	6%

Gas Peaking A	Generic 4-Hou	Generic 4-Hou	Generic 4-Hou	Storage A2
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	-3%
2%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
4%	0%	0%	0%	-3%
4%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
4%	0%	0%	0%	-3%
5%	0%	0%	0%	-3%
5%	0%	0%	0%	-3%
7%	0%	0%	-3%	-3%
8%	0%	0%	-3%	-3%
9%	0%	0%	-3%	-3%
9%	0%	0%	-3%	-3%

Resource Capacity Factor Summary

Portfolio	Replacements 2
Scenario	Reference

Capacity Factor

	Indiana Crossr	Michigan City #	NIPSCO Customer-Owned BTM Storage	NIPSCO Customer-Owned Distributed Generation	Norway #1-#4 NIPS	Oakdale #1+2+3	Cavalry S+S (Solar Only)	Cavalry S+S (Storage Only)	Dunns Bridge 1 Solar	Dunns Bridge 2 S+S (Solar Only)	Dunns Bridge 2 S+S (Storage Only)	Elliot Solar
2021	43%	68%	0%	19%	65%	52%	0%	0%	0%	0%	0%	0%
2022	37%	67%	0%	19%	65%	52%	0%	0%	10%	0%	0%	0%
2023	37%	73%	0%	19%	65%	52%	11%	-2%	24%	10%	-2%	26%
2024	38%	79%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2025	37%	71%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2026	37%	65%	0%	20%	65%	52%	25%	-2%	24%	24%	-2%	25%
2027	37%	63%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2028	38%	63%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2029	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2030	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2031	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2032	38%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2033	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2034	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2035	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2036	38%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2037	37%	0%	-3%	20%	65%	52%	25%	-2%	24%	24%	-2%	25%
2038	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2039	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2040	38%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%

Confidential - Excluded from public access per A.R. 9(G)

Fairbanks Solar	INCR Solar	RM Schahfer #15	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	Rosewater	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	DER_Paired_S
0%	0%	73%	2%	2%	42%	56%	35%	70%	0%	0%	12%	0%	0%	0%
0%	9%	0%	0%	0%	57%	62%	35%	65%	0%	0%	7%	0%	0%	0%
17%	25%	0%	0%	0%	61%	66%	35%	68%	0%	0%	5%	0%	0%	0%
27%	25%	0%	0%	1%	0%	0%	35%	66%	0%	0%	6%	0%	0%	0%
27%	25%	0%	0%	1%	0%	0%	35%	65%	0%	0%	5%	0%	0%	0%
27%	25%	0%	0%	0%	0%	0%	35%	66%	0%	0%	4%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	3%	69%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	2%	56%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	5%	67%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	5%	63%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	62%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	3%	62%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	61%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	61%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	5%	60%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	51%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	5%	62%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	6%	64%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	7%	68%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	7%	68%	0%	6%

Confidential - Excluded from public access per A.R. 9(G)

Gas Peaking A	Generic 4-Hou	Generic 4-Hou	Generic 4-Hou	Storage A2
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
4%	0%	0%	0%	-3%
4%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
4%	0%	0%	0%	-3%
4%	0%	0%	0%	-3%
4%	0%	0%	-3%	-3%
5%	0%	0%	-3%	-3%
5%	0%	0%	-3%	-3%
5%	0%	0%	-3%	-3%

Portfolio	Replacements 2
Scenario	Aggressive Environmental Regulation

Capacity Factor

	Indiana Crossr	Michigan City #	NIPSCO Custo	NIPSCO Custo	Norway #1- #4	Oakdale #1+2	Cavalry S+S (S	Cavalry S+S (S	Dunns Bridge	Dunns Bridge 2	Dunns Bridge 3	Elliot Solar
2021	43%	68%	0%	19%	65%	52%	0%	0%	0%	0%	0%	0%
2022	37%	70%	0%	19%	65%	52%	0%	0%	10%	0%	0%	0%
2023	37%	74%	0%	19%	65%	52%	11%	-2%	24%	10%	-2%	26%
2024	38%	74%	-2%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2025	37%	65%	-2%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2026	37%	71%	-2%	20%	65%	52%	25%	-2%	24%	24%	-2%	25%
2027	37%	69%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2028	38%	65%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2029	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	24%
2030	37%	0%	-3%	19%	65%	52%	24%	-2%	24%	24%	-2%	24%
2031	37%	0%	-3%	19%	65%	52%	24%	-2%	24%	24%	-2%	24%
2032	38%	0%	-3%	19%	65%	52%	24%	-2%	23%	24%	-2%	23%
2033	37%	0%	-3%	19%	65%	52%	24%	-2%	23%	24%	-2%	23%
2034	37%	0%	-3%	19%	65%	52%	23%	-2%	23%	23%	-2%	23%
2035	37%	0%	-3%	19%	65%	52%	23%	-2%	23%	23%	-2%	22%
2036	38%	0%	-3%	19%	65%	52%	23%	-2%	22%	22%	-2%	22%
2037	37%	0%	-3%	20%	65%	52%	23%	-2%	22%	22%	-2%	22%
2038	37%	0%	-3%	19%	65%	52%	22%	-2%	21%	22%	-2%	21%
2039	37%	0%	-3%	19%	65%	52%	23%	-2%	21%	22%	-2%	21%
2040	38%	0%	-3%	19%	65%	52%	23%	-2%	22%	23%	-2%	22%

Confidential - Excluded from public access per A.R. 9(G)

Fairbanks Sola	INCR Solar	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	Rosewater	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	DER_Paired_S
0%	0%	73%	2%	2%	41%	57%	35%	70%	0%	0%	12%	0%	0%	0%
0%	9%	0%	0%	0%	63%	65%	35%	54%	0%	0%	3%	0%	0%	0%
17%	25%	0%	0%	0%	62%	67%	35%	50%	0%	0%	2%	0%	0%	0%
27%	25%	0%	0%	0%	0%	0%	35%	55%	0%	0%	3%	0%	0%	0%
27%	25%	0%	0%	0%	0%	0%	35%	43%	0%	0%	1%	0%	0%	0%
27%	25%	0%	0%	0%	0%	0%	35%	37%	0%	0%	1%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	40%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	32%	0%	6%
26%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	37%	0%	6%
26%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	36%	0%	6%
26%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	2%	42%	0%	6%
25%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	2%	48%	0%	6%
25%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	2%	50%	0%	6%
24%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	47%	0%	6%
24%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	42%	0%	6%
23%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	32%	0%	6%
23%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	39%	0%	6%
23%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	36%	0%	6%
23%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	36%	0%	6%
23%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	34%	0%	6%

Confidential - Excluded from public access per A.R. 9(G)

Gas Peaking A	Generic 4-Hou	Generic 4-Hou	Generic 4-Hou	Storage A2
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	-3%
0%	0%	0%	0%	-3%
1%	0%	0%	0%	-3%
1%	0%	0%	0%	-3%
2%	0%	0%	0%	-3%
2%	0%	0%	0%	-3%
2%	0%	0%	0%	-3%
2%	0%	0%	0%	-3%
2%	0%	0%	0%	-3%
2%	0%	0%	0%	-3%
2%	0%	0%	-3%	-3%
1%	0%	0%	-3%	-3%
1%	0%	0%	-3%	-3%
1%	0%	0%	-3%	-3%

Confidential - Excluded from public access per A.R. 9(G)

Portfolio	Replacements 2
Scenario	Status Quo Extended

Capacity Factor

	Indiana Crossr	Michigan City #	NIPSCO Custo	NIPSCO Custo	Norway #1- #4	Oakdale #1+2	Cavalry S+S (S	Cavalry S+S (S	Dunns Bridge	Dunns Bridge 2	Dunns Bridge 3	Elliot Solar
2021	43%	68%	0%	19%	65%	52%	0%	0%	0%	0%	0%	0%
2022	37%	64%	0%	19%	65%	52%	0%	0%	10%	0%	0%	0%
2023	37%	69%	0%	19%	65%	52%	11%	-1%	24%	10%	-1%	26%
2024	38%	75%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2025	37%	64%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2026	37%	68%	0%	20%	65%	52%	25%	-2%	24%	24%	-2%	25%
2027	37%	68%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2028	38%	65%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2029	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2030	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2031	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2032	38%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2033	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2034	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2035	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2036	38%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2037	37%	0%	0%	20%	65%	52%	25%	-2%	24%	24%	-2%	25%
2038	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2039	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2040	38%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%

Confidential - Excluded from public access per A.R. 9(G)

Fairbanks Sola	INCR Solar	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	Rosewater	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	DER_Paired_S
0%	0%	73%	2%	2%	41%	56%	35%	70%	0%	0%	12%	0%	0%	0%
0%	9%	0%	0%	0%	54%	59%	35%	69%	0%	0%	9%	0%	0%	0%
17%	25%	0%	0%	0%	55%	60%	35%	86%	0%	0%	13%	0%	0%	0%
27%	25%	0%	0%	3%	0%	0%	35%	87%	0%	0%	21%	0%	0%	0%
27%	25%	0%	0%	3%	0%	0%	35%	87%	0%	0%	20%	0%	0%	0%
27%	25%	0%	0%	2%	0%	0%	35%	82%	0%	0%	19%	0%	0%	6%
27%	25%	0%	0%	1%	0%	0%	35%	0%	0%	0%	16%	86%	0%	6%
27%	25%	0%	0%	1%	0%	0%	35%	0%	0%	0%	12%	70%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	17%	84%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	16%	79%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	15%	81%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	15%	80%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	15%	79%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	15%	76%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	15%	78%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	11%	64%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	14%	77%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	13%	73%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	16%	77%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	16%	78%	0%	6%

Confidential - Excluded from public access per A.R. 9(G)

Gas Peaking A	Generic 4-Hou	Generic 4-Hou	Generic 4-Hou	Storage A2
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	-3%
10%	0%	0%	0%	-3%
10%	0%	0%	0%	-3%
9%	0%	0%	0%	-3%
8%	0%	0%	0%	-3%
8%	0%	0%	0%	-3%
8%	0%	0%	0%	-3%
8%	0%	0%	0%	-3%
8%	0%	0%	0%	-3%
7%	0%	0%	0%	-3%
7%	0%	0%	-3%	-3%
7%	0%	0%	-3%	-3%
8%	0%	0%	-3%	-3%
8%	0%	0%	-3%	-3%

Confidential - Excluded from public access per A.R. 9(G)

Portfolio	Replacements 2
Scenario	Economy-Wide Decarbonization

Capacity Factor

	Indiana Crossr	Michigan City #	NIPSCO Custo	NIPSCO Custo	Norway #1- #4	Oakdale #1+2-	Cavalry S+S (S	Cavalry S+S (S	Dunns Bridge	Dunns Bridge 2	Dunns Bridge 3	Elliot Solar
2021	43%	68%	0%	19%	65%	52%	0%	0%	0%	0%	0%	0%
2022	37%	65%	0%	19%	65%	52%	0%	0%	10%	0%	0%	0%
2023	37%	72%	0%	19%	65%	52%	11%	-1%	24%	10%	-1%	26%
2024	38%	78%	-1%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2025	37%	70%	-1%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2026	37%	73%	0%	20%	65%	52%	25%	-1%	24%	24%	-1%	25%
2027	37%	77%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2028	38%	67%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2029	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2030	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2031	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2032	38%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2033	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2034	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2035	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2036	38%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2037	37%	0%	0%	20%	65%	52%	25%	-1%	24%	24%	-1%	25%
2038	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2039	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2040	38%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%

Confidential - Excluded from public access per A.R. 9(G)

Fairbanks Sola	INCR Solar	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	Rosewater	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	DER_Paired_S
0%	0%	73%	2%	2%	42%	57%	35%	70%	0%	0%	12%	0%	0%	0%
0%	9%	0%	0%	0%	55%	61%	35%	64%	0%	0%	6%	0%	0%	0%
17%	25%	0%	0%	0%	60%	64%	35%	67%	0%	0%	5%	0%	0%	0%
27%	25%	0%	0%	1%	0%	0%	35%	64%	0%	0%	6%	0%	0%	0%
27%	25%	0%	0%	1%	0%	0%	35%	60%	0%	0%	4%	0%	0%	0%
27%	25%	0%	0%	0%	0%	0%	35%	54%	0%	0%	3%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	3%	53%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	39%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	44%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	44%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	5%	50%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	5%	50%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	48%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	51%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	7%	59%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	5%	48%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	8%	66%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	11%	67%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	13%	70%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	12%	70%	0%	6%

Confidential - Excluded from public access per A.R. 9(G)

Gas Peaking A	Generic 4-Hou	Generic 4-Hou	Generic 4-Hou	Storage A2
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	-3%
2%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
4%	0%	0%	0%	-3%
4%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
4%	0%	0%	0%	-3%
5%	0%	0%	0%	-3%
5%	0%	0%	0%	-3%
7%	0%	0%	-3%	-3%
8%	0%	0%	-3%	-3%
9%	0%	0%	-3%	-3%
9%	0%	0%	-3%	-3%

Confidential - Excluded from public access per A.R. 9(G)

Resource Capacity Factor Summary

Portfolio	Replacements 4
Scenario	Reference

Capacity Factor

	Indiana Crossr	Michigan City #	NIPSCO Customer-Owned BTM Storage	NIPSCO Customer-Owned Distributed Generation	Norway #1-#4 NIPS	Oakdale #1+2+3	Cavalry S+S (Solar Only)	Cavalry S+S (Storage Only)	Dunns Bridge 1 Solar	Dunns Bridge 2 S+S (Solar Only)	Dunns Bridge 2 S+S (Storage Only)	Elliot Solar
2021	43%	68%	0%	19%	65%	52%	0%	0%	0%	0%	0%	0%
2022	37%	67%	0%	19%	65%	52%	0%	0%	10%	0%	0%	0%
2023	37%	73%	0%	19%	65%	52%	11%	-2%	24%	10%	-2%	26%
2024	38%	78%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2025	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2026	37%	0%	0%	20%	65%	52%	25%	-2%	24%	24%	-2%	25%
2027	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2028	38%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2029	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2030	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2031	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2032	38%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2033	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2034	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2035	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2036	38%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2037	37%	0%	-3%	20%	65%	52%	25%	-2%	24%	24%	-2%	25%
2038	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2039	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2040	38%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%

Fairbanks Solar	INCR Solar	RM Schahfer #15	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	Rosewater	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	DER_Paired_S
0%	0%	73%	2%	2%	42%	56%	35%	70%	0%	0%	12%	0%	0%	0%
0%	9%	0%	0%	0%	57%	62%	35%	65%	0%	0%	7%	0%	0%	0%
17%	25%	0%	0%	0%	61%	66%	35%	68%	0%	0%	5%	0%	0%	0%
27%	25%	0%	0%	1%	0%	0%	35%	66%	0%	0%	6%	0%	0%	0%
27%	25%	0%	0%	1%	0%	0%	35%	65%	0%	0%	5%	0%	0%	0%
27%	25%	0%	0%	0%	0%	0%	35%	66%	0%	0%	4%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	3%	69%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	2%	56%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	5%	67%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	5%	63%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	62%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	3%	62%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	61%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	61%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	5%	60%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	51%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	5%	62%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	6%	64%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	7%	68%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	7%	68%	0%	6%

Gas Peaking A	Generic 4-Hou	Generic 4-Hou	Generic 4-Hou	Storage A2
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
4%	0%	0%	0%	0%
3%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
4%	0%	0%	0%	-3%
4%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
4%	0%	0%	0%	-3%
4%	0%	0%	0%	-3%
4%	0%	0%	-3%	-3%
5%	0%	0%	-3%	-3%
5%	0%	0%	-3%	-3%
5%	0%	0%	-3%	-3%

Portfolio	Replacements 4
Scenario	Aggressive Environmental Regulation

Capacity Factor

	Indiana Crossr	Michigan City #	NIPSCO Custo	NIPSCO Custo	Norway #1- #4	Oakdale #1+2-	Cavalry S+S (S	Cavalry S+S (S	Dunns Bridge	Dunns Bridge 2	Dunns Bridge 1	Elliot Solar
2021	43%	68%	0%	19%	65%	52%	0%	0%	0%	0%	0%	0%
2022	37%	70%	0%	19%	65%	52%	0%	0%	10%	0%	0%	0%
2023	37%	74%	0%	19%	65%	52%	11%	-2%	24%	10%	-2%	26%
2024	38%	74%	-2%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2025	37%	0%	-2%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2026	37%	0%	-2%	20%	65%	52%	25%	-2%	24%	24%	-2%	25%
2027	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2028	38%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2029	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	24%
2030	37%	0%	-3%	19%	65%	52%	24%	-2%	24%	24%	-2%	24%
2031	37%	0%	-3%	19%	65%	52%	24%	-2%	24%	24%	-2%	24%
2032	38%	0%	-3%	19%	65%	52%	24%	-2%	23%	24%	-2%	23%
2033	37%	0%	-3%	19%	65%	52%	24%	-2%	23%	24%	-2%	23%
2034	37%	0%	-3%	19%	65%	52%	23%	-2%	23%	23%	-2%	23%
2035	37%	0%	-3%	19%	65%	52%	23%	-2%	23%	23%	-2%	22%
2036	38%	0%	-3%	19%	65%	52%	23%	-2%	22%	22%	-2%	22%
2037	37%	0%	-3%	20%	65%	52%	23%	-2%	22%	22%	-2%	22%
2038	37%	0%	-3%	19%	65%	52%	22%	-2%	21%	22%	-2%	21%
2039	37%	0%	-3%	19%	65%	52%	23%	-2%	21%	22%	-2%	21%
2040	38%	0%	-3%	19%	65%	52%	23%	-2%	22%	23%	-2%	22%

Fairbanks Sola	INCR Solar	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	Rosewater	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	DER_Paired_S
0%	0%	73%	2%	2%	41%	57%	35%	70%	0%	0%	12%	0%	0%	0%
0%	9%	0%	0%	0%	63%	65%	35%	54%	0%	0%	3%	0%	0%	0%
17%	25%	0%	0%	0%	62%	67%	35%	50%	0%	0%	2%	0%	0%	0%
27%	25%	0%	0%	0%	0%	0%	35%	55%	0%	0%	3%	0%	0%	0%
27%	25%	0%	0%	0%	0%	0%	35%	43%	0%	0%	1%	0%	0%	0%
27%	25%	0%	0%	0%	0%	0%	35%	37%	0%	0%	1%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	40%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	32%	0%	6%
26%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	37%	0%	6%
26%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	36%	0%	6%
26%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	2%	42%	0%	6%
25%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	2%	48%	0%	6%
25%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	2%	50%	0%	6%
24%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	47%	0%	6%
24%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	42%	0%	6%
23%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	32%	0%	6%
23%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	39%	0%	6%
23%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	36%	0%	6%
23%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	36%	0%	6%
23%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	34%	0%	6%

Gas Peaking A	Generic 4-Hou	Generic 4-Hou	Generic 4-Hou	Storage A2
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
2%	0%	0%	0%	0%
1%	0%	0%	0%	-2%
1%	0%	0%	0%	-2%
1%	0%	0%	0%	-3%
0%	0%	0%	0%	-3%
1%	0%	0%	0%	-3%
1%	0%	0%	0%	-3%
2%	0%	0%	0%	-3%
2%	0%	0%	0%	-3%
2%	0%	0%	0%	-3%
2%	0%	0%	0%	-3%
2%	0%	0%	0%	-3%
2%	0%	0%	0%	-3%
2%	0%	0%	-3%	-3%
1%	0%	0%	-3%	-3%
1%	0%	0%	-3%	-3%
1%	0%	0%	-3%	-3%

Portfolio	Replacements 4
Scenario	Status Quo Extended

Capacity Factor

	Indiana Crossr	Michigan City #	NIPSCO Custo	NIPSCO Custo	Norway #1- #4	Oakdale #1+2-	Cavalry S+S (S	Cavalry S+S (S	Dunns Bridge	Dunns Bridge 2	Dunns Bridge 3	Elliot Solar
2021	43%	68%	0%	19%	65%	52%	0%	0%	0%	0%	0%	0%
2022	37%	64%	0%	19%	65%	52%	0%	0%	10%	0%	0%	0%
2023	37%	69%	0%	19%	65%	52%	11%	-1%	24%	10%	-1%	26%
2024	38%	73%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2025	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2026	37%	0%	0%	20%	65%	52%	25%	-2%	24%	24%	-2%	25%
2027	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2028	38%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2029	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2030	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2031	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2032	38%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2033	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2034	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2035	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2036	38%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2037	37%	0%	0%	20%	65%	52%	25%	-2%	24%	24%	-2%	25%
2038	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2039	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2040	38%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%

Fairbanks Sola	INCR Solar	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	Rosewater	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	DER_Paired_S
0%	0%	73%	2%	2%	41%	56%	35%	70%	0%	0%	12%	0%	0%	0%
0%	9%	0%	0%	0%	54%	59%	35%	69%	0%	0%	9%	0%	0%	0%
17%	25%	0%	0%	0%	55%	60%	35%	86%	0%	0%	13%	0%	0%	0%
27%	25%	0%	0%	3%	0%	0%	35%	87%	0%	0%	21%	0%	0%	0%
27%	25%	0%	0%	3%	0%	0%	35%	87%	0%	0%	20%	0%	0%	0%
27%	25%	0%	0%	2%	0%	0%	35%	82%	0%	0%	19%	0%	0%	6%
27%	25%	0%	0%	1%	0%	0%	35%	0%	0%	0%	16%	86%	0%	6%
27%	25%	0%	0%	1%	0%	0%	35%	0%	0%	0%	12%	70%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	17%	84%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	16%	79%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	15%	81%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	15%	80%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	15%	79%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	15%	76%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	15%	78%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	11%	64%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	14%	77%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	13%	73%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	16%	77%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	16%	78%	0%	6%

Gas Peaking A	Generic 4-Hou	Generic 4-Hou	Generic 4-Hou	Storage A2
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
14%	0%	0%	0%	0%
12%	0%	0%	0%	-3%
11%	0%	0%	0%	-3%
9%	0%	0%	0%	-3%
9%	0%	0%	0%	-3%
10%	0%	0%	0%	-3%
9%	0%	0%	0%	-3%
8%	0%	0%	0%	-3%
8%	0%	0%	0%	-3%
8%	0%	0%	0%	-3%
8%	0%	0%	0%	-3%
8%	0%	0%	0%	-3%
7%	0%	0%	0%	-3%
7%	0%	0%	-3%	-3%
7%	0%	0%	-3%	-3%
8%	0%	0%	-3%	-3%
8%	0%	0%	-3%	-3%

Portfolio	Replacements 4
Scenario	Economy-Wide Decarbonization

Capacity Factor

	Indiana Crossr	Michigan City #	NIPSCO Custo	NIPSCO Custo	Norway #1- #4	Oakdale #1+2-	Cavalry S+S (S	Cavalry S+S (S	Dunns Bridge	Dunns Bridge 2	Dunns Bridge 1	Elliot Solar
2021	43%	68%	0%	19%	65%	52%	0%	0%	0%	0%	0%	0%
2022	37%	65%	0%	19%	65%	52%	0%	0%	10%	0%	0%	0%
2023	37%	72%	0%	19%	65%	52%	11%	-1%	24%	10%	-1%	26%
2024	38%	77%	-1%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2025	37%	0%	-1%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2026	37%	0%	0%	20%	65%	52%	25%	-1%	24%	24%	-1%	25%
2027	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2028	38%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2029	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2030	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2031	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2032	38%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2033	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2034	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2035	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2036	38%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2037	37%	0%	0%	20%	65%	52%	25%	-1%	24%	24%	-1%	25%
2038	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2039	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2040	38%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%

Fairbanks Sola	INCR Solar	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	Rosewater	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	DER_Paired_S
0%	0%	73%	2%	2%	42%	57%	35%	70%	0%	0%	12%	0%	0%	0%
0%	9%	0%	0%	0%	55%	61%	35%	64%	0%	0%	6%	0%	0%	0%
17%	25%	0%	0%	0%	60%	64%	35%	67%	0%	0%	5%	0%	0%	0%
27%	25%	0%	0%	1%	0%	0%	35%	64%	0%	0%	6%	0%	0%	0%
27%	25%	0%	0%	1%	0%	0%	35%	60%	0%	0%	4%	0%	0%	0%
27%	25%	0%	0%	0%	0%	0%	35%	54%	0%	0%	3%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	3%	53%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	39%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	44%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	44%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	5%	50%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	5%	50%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	48%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	51%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	7%	59%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	5%	48%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	8%	66%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	11%	67%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	13%	70%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	12%	70%	0%	6%

Gas Peaking A	Generic 4-Hou	Generic 4-Hou	Generic 4-Hou	Storage A2
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
4%	0%	0%	0%	0%
3%	0%	0%	0%	-3%
2%	0%	0%	0%	-3%
2%	0%	0%	0%	-3%
2%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
4%	0%	0%	0%	-3%
4%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
4%	0%	0%	0%	-3%
5%	0%	0%	0%	-3%
5%	0%	0%	0%	-3%
7%	0%	0%	-3%	-3%
8%	0%	0%	-3%	-3%
9%	0%	0%	-3%	-3%
9%	0%	0%	-3%	-3%

Resource Capacity Factor Summary

Portfolio	Replacements 5
Scenario	Reference

Capacity Factor

	Indiana Crossr	Michigan City #	NIPSCO Customer-Owned BTM Storage	NIPSCO Customer-Owned Distributed Generation	Norway #1-#4 NIPS	Oakdale #1+2+3	Cavalry S+S (Solar Only)	Cavalry S+S (Storage Only)	Dunns Bridge 1 Solar	Dunns Bridge 2 S+S (Solar Only)	Dunns Bridge 2 S+S (Storage Only)	Elliot Solar
2021	43%	68%	0%	19%	65%	52%	0%	0%	0%	0%	0%	0%
2022	37%	67%	0%	19%	65%	52%	0%	0%	10%	0%	0%	0%
2023	37%	73%	0%	19%	65%	52%	11%	-2%	24%	10%	-2%	26%
2024	38%	79%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2025	37%	71%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2026	37%	65%	0%	20%	65%	52%	25%	-2%	24%	24%	-2%	25%
2027	37%	63%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2028	38%	63%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2029	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2030	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2031	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2032	38%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2033	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2034	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2035	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2036	38%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2037	37%	0%	-3%	20%	65%	52%	25%	-2%	24%	24%	-2%	25%
2038	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2039	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2040	38%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%

Fairbanks Solar	INCR Solar	RM Schahfer #15	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	Rosewater	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	DER_Paired_S
0%	0%	73%	2%	2%	42%	56%	35%	70%	0%	0%	12%	0%	0%	0%
0%	9%	0%	0%	0%	57%	62%	35%	65%	0%	0%	7%	0%	0%	0%
17%	25%	0%	0%	0%	61%	66%	35%	68%	0%	0%	5%	0%	0%	0%
27%	25%	0%	0%	1%	0%	0%	35%	66%	0%	0%	6%	0%	0%	0%
27%	25%	0%	0%	1%	0%	0%	35%	65%	0%	0%	5%	0%	0%	0%
27%	25%	0%	0%	0%	0%	0%	35%	66%	0%	0%	4%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	3%	69%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	2%	56%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	5%	67%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	5%	63%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	62%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	3%	62%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	61%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	61%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	5%	60%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	51%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	5%	62%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	6%	64%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	7%	68%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	7%	68%	0%	6%

Gas Peaking A	Generic 4-Hou	Generic 4-Hou	Generic 4-Hou	Storage A2
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	-3%
0%	0%	0%	0%	-3%
0%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
4%	0%	0%	0%	-3%
4%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
4%	0%	0%	0%	-3%
4%	0%	0%	0%	-3%
4%	0%	0%	-3%	-3%
5%	0%	0%	-3%	-3%
5%	0%	0%	-3%	-3%
5%	0%	0%	-3%	-3%

Portfolio	Replacements 5
Scenario	Aggressive Environmental Regulation

Capacity Factor

	Indiana Crossr	Michigan City #	NIPSCO Custo	NIPSCO Custo	Norway #1- #4	Oakdale #1+2-	Cavalry S+S (S	Cavalry S+S (S	Dunns Bridge	Dunns Bridge 2	Dunns Bridge 1	Elliot Solar
2021	43%	68%	0%	19%	65%	52%	0%	0%	0%	0%	0%	0%
2022	37%	70%	0%	19%	65%	52%	0%	0%	10%	0%	0%	0%
2023	37%	74%	0%	19%	65%	52%	11%	-2%	24%	10%	-2%	26%
2024	38%	74%	-2%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2025	37%	65%	-2%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2026	37%	71%	-2%	20%	65%	52%	25%	-2%	24%	24%	-2%	25%
2027	37%	69%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2028	38%	65%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2029	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	24%
2030	37%	0%	-3%	19%	65%	52%	24%	-2%	24%	24%	-2%	24%
2031	37%	0%	-3%	19%	65%	52%	24%	-2%	24%	24%	-2%	24%
2032	38%	0%	-3%	19%	65%	52%	24%	-2%	23%	24%	-2%	23%
2033	37%	0%	-3%	19%	65%	52%	24%	-2%	23%	24%	-2%	23%
2034	37%	0%	-3%	19%	65%	52%	23%	-2%	23%	23%	-2%	23%
2035	37%	0%	-3%	19%	65%	52%	23%	-2%	23%	23%	-2%	22%
2036	38%	0%	-3%	19%	65%	52%	23%	-2%	22%	22%	-2%	22%
2037	37%	0%	-3%	20%	65%	52%	23%	-2%	22%	22%	-2%	22%
2038	37%	0%	-3%	19%	65%	52%	22%	-2%	21%	22%	-2%	21%
2039	37%	0%	-3%	19%	65%	52%	23%	-2%	21%	22%	-2%	21%
2040	38%	0%	-3%	19%	65%	52%	23%	-2%	22%	23%	-2%	22%

Fairbanks Sola	INCR Solar	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	Rosewater	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	DER_Paired_S
0%	0%	73%	2%	2%	41%	57%	35%	70%	0%	0%	12%	0%	0%	0%
0%	9%	0%	0%	0%	63%	65%	35%	54%	0%	0%	3%	0%	0%	0%
17%	25%	0%	0%	0%	62%	67%	35%	50%	0%	0%	2%	0%	0%	0%
27%	25%	0%	0%	0%	0%	0%	35%	55%	0%	0%	3%	0%	0%	0%
27%	25%	0%	0%	1%	0%	0%	35%	43%	0%	0%	1%	0%	0%	0%
27%	25%	0%	0%	0%	0%	0%	35%	37%	0%	0%	1%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	40%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	32%	0%	6%
26%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	37%	0%	6%
26%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	36%	0%	6%
26%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	2%	42%	0%	6%
25%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	2%	48%	0%	6%
25%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	2%	50%	0%	6%
24%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	47%	0%	6%
24%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	42%	0%	6%
23%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	32%	0%	6%
23%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	39%	0%	6%
23%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	36%	0%	6%
23%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	36%	0%	6%
23%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	34%	0%	6%

Gas Peaking A	Generic 4-Hou	Generic 4-Hou	Generic 4-Hou	Storage A2
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	-2%
0%	0%	0%	0%	-2%
0%	0%	0%	0%	-3%
0%	0%	0%	0%	-3%
1%	0%	0%	0%	-3%
1%	0%	0%	0%	-3%
2%	0%	0%	0%	-3%
2%	0%	0%	0%	-3%
2%	0%	0%	0%	-3%
2%	0%	0%	0%	-3%
2%	0%	0%	0%	-3%
2%	0%	0%	0%	-3%
2%	0%	0%	-3%	-3%
1%	0%	0%	-3%	-3%
1%	0%	0%	-3%	-3%
1%	0%	0%	-3%	-3%

Portfolio	Replacements 5
Scenario	Status Quo Extended

Capacity Factor

	Indiana Crossr	Michigan City #	NIPSCO Custo	NIPSCO Custo	Norway #1- #4	Oakdale #1+2-	Cavalry S+S (S	Cavalry S+S (S	Dunns Bridge	Dunns Bridge 2	Dunns Bridge 3	Elliot Solar
2021	43%	68%	0%	19%	65%	52%	0%	0%	0%	0%	0%	0%
2022	37%	64%	0%	19%	65%	52%	0%	0%	10%	0%	0%	0%
2023	37%	69%	0%	19%	65%	52%	11%	-1%	24%	10%	-1%	26%
2024	38%	75%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2025	37%	64%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2026	37%	68%	0%	20%	65%	52%	25%	-2%	24%	24%	-2%	25%
2027	37%	68%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2028	38%	65%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2029	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2030	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2031	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2032	38%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2033	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2034	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2035	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2036	38%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2037	37%	0%	0%	20%	65%	52%	25%	-2%	24%	24%	-2%	25%
2038	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2039	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2040	38%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%

Fairbanks Sola	INCR Solar	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	Rosewater	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	DER_Paired_S
0%	0%	73%	2%	2%	41%	56%	35%	70%	0%	0%	12%	0%	0%	0%
0%	9%	0%	0%	0%	54%	59%	35%	69%	0%	0%	9%	0%	0%	0%
17%	25%	0%	0%	0%	55%	60%	35%	86%	0%	0%	13%	0%	0%	0%
27%	25%	0%	0%	3%	0%	0%	35%	87%	0%	0%	21%	0%	0%	0%
27%	25%	0%	0%	3%	0%	0%	35%	87%	0%	0%	20%	0%	0%	0%
27%	25%	0%	0%	0%	0%	0%	35%	82%	0%	0%	19%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	16%	86%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	12%	70%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	17%	84%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	16%	79%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	15%	81%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	15%	80%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	15%	79%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	15%	76%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	15%	78%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	11%	64%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	14%	77%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	13%	73%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	16%	77%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	16%	78%	0%	6%

Gas Peaking A	Generic 4-Hou	Generic 4-Hou	Generic 4-Hou	Storage A2
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	-3%
0%	0%	0%	0%	-3%
0%	0%	0%	0%	-3%
10%	0%	0%	0%	-3%
10%	0%	0%	0%	-3%
9%	0%	0%	0%	-3%
8%	0%	0%	0%	-3%
8%	0%	0%	0%	-3%
8%	0%	0%	0%	-3%
8%	0%	0%	0%	-3%
8%	0%	0%	0%	-3%
7%	0%	0%	0%	-3%
7%	0%	0%	-3%	-3%
7%	0%	0%	-3%	-3%
8%	0%	0%	-3%	-3%
8%	0%	0%	-3%	-3%

Portfolio	Replacements 5
Scenario	Economy-Wide Decarbonization

Capacity Factor

	Indiana Crossr	Michigan City #	NIPSCO Custo	NIPSCO Custo	Norway #1- #4	Oakdale #1+2-	Cavalry S+S (S	Cavalry S+S (S	Dunns Bridge	Dunns Bridge 2	Dunns Bridge 1	Elliot Solar
2021	43%	68%	0%	19%	65%	52%	0%	0%	0%	0%	0%	0%
2022	37%	65%	0%	19%	65%	52%	0%	0%	10%	0%	0%	0%
2023	37%	72%	0%	19%	65%	52%	11%	-1%	24%	10%	-1%	26%
2024	38%	78%	-1%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2025	37%	70%	-1%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2026	37%	73%	0%	20%	65%	52%	25%	-1%	24%	24%	-1%	25%
2027	37%	77%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2028	38%	67%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2029	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2030	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2031	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2032	38%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2033	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2034	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2035	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2036	38%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2037	37%	0%	0%	20%	65%	52%	25%	-1%	24%	24%	-1%	25%
2038	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2039	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2040	38%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%

Fairbanks Sola	INCR Solar	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	Rosewater	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	DER_Paired_S
0%	0%	73%	2%	2%	42%	57%	35%	70%	0%	0%	12%	0%	0%	0%
0%	9%	0%	0%	0%	55%	61%	35%	64%	0%	0%	6%	0%	0%	0%
17%	25%	0%	0%	0%	60%	64%	35%	67%	0%	0%	5%	0%	0%	0%
27%	25%	0%	0%	1%	0%	0%	35%	64%	0%	0%	6%	0%	0%	0%
27%	25%	0%	0%	1%	0%	0%	35%	60%	0%	0%	4%	0%	0%	0%
27%	25%	0%	0%	0%	0%	0%	35%	54%	0%	0%	3%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	3%	53%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	39%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	44%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	44%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	5%	50%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	5%	50%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	48%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	51%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	7%	59%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	5%	48%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	8%	66%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	11%	67%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	13%	70%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	12%	70%	0%	6%

Gas Peaking A	Generic 4-Hou	Generic 4-Hou	Generic 4-Hou	Storage A2
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	-3%
0%	0%	0%	0%	-3%
0%	0%	0%	0%	-3%
2%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
4%	0%	0%	0%	-3%
4%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
4%	0%	0%	0%	-3%
5%	0%	0%	0%	-3%
5%	0%	0%	0%	-3%
7%	0%	0%	-3%	-3%
8%	0%	0%	-3%	-3%
9%	0%	0%	-3%	-3%
9%	0%	0%	-3%	-3%

Resource Capacity Factor Summary

Portfolio	Replacements 6
Scenario	Reference

Capacity Factor

	Indiana Crossr	Michigan City #	NIPSCO Customer-Owned BTM Storage	NIPSCO Customer-Owned Distributed Generation	Norway #1-#4 NIPS	Oakdale #1+2+3	Cavalry S+S (Solar Only)	Cavalry S+S (Storage Only)	Dunns Bridge 1 Solar	Dunns Bridge 2 S+S (Solar Only)	Dunns Bridge 2 S+S (Storage Only)	Elliot Solar
2021	43%	68%	0%	19%	65%	52%	0%	0%	0%	0%	0%	0%
2022	37%	67%	0%	19%	65%	52%	0%	0%	10%	0%	0%	0%
2023	37%	73%	0%	19%	65%	52%	11%	-2%	24%	10%	-2%	26%
2024	38%	79%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2025	37%	71%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2026	37%	68%	0%	20%	65%	52%	25%	-2%	24%	24%	-2%	25%
2027	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2028	38%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2029	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2030	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2031	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2032	38%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2033	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2034	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2035	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2036	38%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2037	37%	0%	-3%	20%	65%	52%	25%	-2%	24%	24%	-2%	25%
2038	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2039	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2040	38%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%

Fairbanks Solar	INCR Solar	RM Schahfer #15	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	Rosewater	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	DER_Paired_S
0%	0%	73%	2%	2%	42%	56%	35%	70%	0%	0%	12%	0%	0%	0%
0%	9%	0%	0%	0%	57%	62%	35%	65%	0%	0%	7%	0%	0%	0%
17%	25%	0%	0%	0%	61%	66%	35%	68%	0%	0%	5%	0%	0%	0%
27%	25%	0%	0%	1%	0%	0%	35%	66%	0%	0%	6%	0%	0%	0%
27%	25%	0%	0%	1%	0%	0%	35%	65%	0%	0%	5%	0%	0%	0%
27%	25%	0%	0%	0%	0%	0%	35%	66%	0%	0%	4%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	3%	69%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	2%	56%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	5%	67%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	5%	63%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	62%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	3%	62%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	61%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	61%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	5%	60%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	51%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	5%	62%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	6%	64%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	7%	68%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	7%	68%	0%	6%

Gas Peaking A	Generic 4-Hou	Generic 4-Hou	Generic 4-Hou	Storage A2
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
4%	0%	0%	0%	-3%
4%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
4%	0%	0%	0%	-3%
4%	0%	0%	0%	-3%
4%	0%	0%	-3%	-3%
5%	0%	0%	-3%	-3%
5%	0%	0%	-3%	-3%
5%	0%	0%	-3%	-3%

Portfolio	Replacements 6
Scenario	Aggressive Environmental Regulation

Capacity Factor

	Indiana Crossr	Michigan City #	NIPSCO Custo	NIPSCO Custo	Norway #1- #4	Oakdale #1+2-	Cavalry S+S (S	Cavalry S+S (S	Dunns Bridge	Dunns Bridge 2	Dunns Bridge 1	Elliot Solar
2021	43%	68%	0%	19%	65%	52%	0%	0%	0%	0%	0%	0%
2022	37%	70%	0%	19%	65%	52%	0%	0%	10%	0%	0%	0%
2023	37%	74%	0%	19%	65%	52%	11%	-2%	24%	10%	-2%	26%
2024	38%	74%	-2%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2025	37%	65%	-2%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2026	37%	75%	-2%	20%	65%	52%	25%	-2%	24%	24%	-2%	25%
2027	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2028	38%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2029	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	24%
2030	37%	0%	-3%	19%	65%	52%	24%	-2%	24%	24%	-2%	24%
2031	37%	0%	-3%	19%	65%	52%	24%	-2%	24%	24%	-2%	24%
2032	38%	0%	-3%	19%	65%	52%	24%	-2%	23%	24%	-2%	23%
2033	37%	0%	-3%	19%	65%	52%	24%	-2%	23%	24%	-2%	23%
2034	37%	0%	-3%	19%	65%	52%	23%	-2%	23%	23%	-2%	23%
2035	37%	0%	-3%	19%	65%	52%	23%	-2%	23%	23%	-2%	22%
2036	38%	0%	-3%	19%	65%	52%	23%	-2%	22%	22%	-2%	22%
2037	37%	0%	-3%	20%	65%	52%	23%	-2%	22%	22%	-2%	22%
2038	37%	0%	-3%	19%	65%	52%	22%	-2%	21%	22%	-2%	21%
2039	37%	0%	-3%	19%	65%	52%	23%	-2%	21%	22%	-2%	21%
2040	38%	0%	-3%	19%	65%	52%	23%	-2%	22%	23%	-2%	22%

Fairbanks Sola	INCR Solar	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	Rosewater	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	DER_Paired_S
0%	0%	73%	2%	2%	41%	57%	35%	70%	0%	0%	12%	0%	0%	0%
0%	9%	0%	0%	0%	63%	65%	35%	54%	0%	0%	3%	0%	0%	0%
17%	25%	0%	0%	0%	62%	67%	35%	50%	0%	0%	2%	0%	0%	0%
27%	25%	0%	0%	0%	0%	0%	35%	55%	0%	0%	3%	0%	0%	0%
27%	25%	0%	0%	1%	0%	0%	35%	43%	0%	0%	1%	0%	0%	0%
27%	25%	0%	0%	0%	0%	0%	35%	37%	0%	0%	1%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	40%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	32%	0%	6%
26%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	37%	0%	6%
26%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	36%	0%	6%
26%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	2%	42%	0%	6%
25%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	2%	48%	0%	6%
25%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	2%	50%	0%	6%
24%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	47%	0%	6%
24%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	42%	0%	6%
23%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	32%	0%	6%
23%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	39%	0%	6%
23%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	36%	0%	6%
23%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	36%	0%	6%
23%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	34%	0%	6%

Gas Peaking A	Generic 4-Hou	Generic 4-Hou	Generic 4-Hou	Storage A2
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	-2%
0%	0%	0%	0%	-2%
1%	0%	0%	0%	-3%
0%	0%	0%	0%	-3%
1%	0%	0%	0%	-3%
1%	0%	0%	0%	-3%
2%	0%	0%	0%	-3%
2%	0%	0%	0%	-3%
2%	0%	0%	0%	-3%
2%	0%	0%	0%	-3%
2%	0%	0%	0%	-3%
2%	0%	0%	0%	-3%
2%	0%	0%	-3%	-3%
1%	0%	0%	-3%	-3%
1%	0%	0%	-3%	-3%
1%	0%	0%	-3%	-3%

Portfolio	Replacements 6
Scenario	Status Quo Extended

Capacity Factor

	Indiana Crossr	Michigan City #	NIPSCO Custo	NIPSCO Custo	Norway #1- #4	Oakdale #1+2-	Cavalry S+S (S	Cavalry S+S (S	Dunns Bridge	Dunns Bridge 2	Dunns Bridge 3	Elliot Solar
2021	43%	68%	0%	19%	65%	52%	0%	0%	0%	0%	0%	0%
2022	37%	64%	0%	19%	65%	52%	0%	0%	10%	0%	0%	0%
2023	37%	69%	0%	19%	65%	52%	11%	-1%	24%	10%	-1%	26%
2024	38%	75%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2025	37%	64%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2026	37%	70%	0%	20%	65%	52%	25%	-2%	24%	24%	-2%	25%
2027	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2028	38%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2029	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2030	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2031	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2032	38%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2033	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2034	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2035	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2036	38%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2037	37%	0%	0%	20%	65%	52%	25%	-2%	24%	24%	-2%	25%
2038	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2039	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2040	38%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%

Fairbanks Sola	INCR Solar	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	Rosewater	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	DER_Paired_S
0%	0%	73%	2%	2%	41%	56%	35%	70%	0%	0%	12%	0%	0%	0%
0%	9%	0%	0%	0%	54%	59%	35%	69%	0%	0%	9%	0%	0%	0%
17%	25%	0%	0%	0%	55%	60%	35%	86%	0%	0%	13%	0%	0%	0%
27%	25%	0%	0%	3%	0%	0%	35%	87%	0%	0%	21%	0%	0%	0%
27%	25%	0%	0%	3%	0%	0%	35%	87%	0%	0%	20%	0%	0%	0%
27%	25%	0%	0%	0%	0%	0%	35%	82%	0%	0%	19%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	16%	86%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	12%	70%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	17%	84%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	16%	79%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	15%	81%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	15%	80%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	15%	79%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	15%	76%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	15%	78%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	11%	64%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	14%	77%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	13%	73%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	16%	77%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	16%	78%	0%	6%

Gas Peaking A	Generic 4-Hou	Generic 4-Hou	Generic 4-Hou	Storage A2
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	-3%
13%	0%	0%	0%	-3%
9%	0%	0%	0%	-3%
9%	0%	0%	0%	-3%
10%	0%	0%	0%	-3%
9%	0%	0%	0%	-3%
8%	0%	0%	0%	-3%
8%	0%	0%	0%	-3%
8%	0%	0%	0%	-3%
8%	0%	0%	0%	-3%
8%	0%	0%	0%	-3%
7%	0%	0%	0%	-3%
7%	0%	0%	-3%	-3%
7%	0%	0%	-3%	-3%
8%	0%	0%	-3%	-3%
8%	0%	0%	-3%	-3%

Portfolio	Replacements 6
Scenario	Economy-Wide Decarbonization

Capacity Factor

	Indiana Crossr	Michigan City #	NIPSCO Custo	NIPSCO Custo	Norway #1- #4	Oakdale #1+2-	Cavalry S+S (S	Cavalry S+S (S	Dunns Bridge	Dunns Bridge 2	Dunns Bridge 1	Elliot Solar
2021	43%	68%	0%	19%	65%	52%	0%	0%	0%	0%	0%	0%
2022	37%	65%	0%	19%	65%	52%	0%	0%	10%	0%	0%	0%
2023	37%	72%	0%	19%	65%	52%	11%	-1%	24%	10%	-1%	26%
2024	38%	78%	-1%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2025	37%	70%	-1%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2026	37%	77%	0%	20%	65%	52%	25%	-1%	24%	24%	-1%	25%
2027	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2028	38%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2029	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2030	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2031	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2032	38%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2033	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2034	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2035	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2036	38%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2037	37%	0%	0%	20%	65%	52%	25%	-1%	24%	24%	-1%	25%
2038	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2039	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2040	38%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%

Fairbanks Sola	INCR Solar	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	Rosewater	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	DER_Paired_S
0%	0%	73%	2%	2%	42%	57%	35%	70%	0%	0%	12%	0%	0%	0%
0%	9%	0%	0%	0%	55%	61%	35%	64%	0%	0%	6%	0%	0%	0%
17%	25%	0%	0%	0%	60%	64%	35%	67%	0%	0%	5%	0%	0%	0%
27%	25%	0%	0%	1%	0%	0%	35%	64%	0%	0%	6%	0%	0%	0%
27%	25%	0%	0%	1%	0%	0%	35%	60%	0%	0%	4%	0%	0%	0%
27%	25%	0%	0%	0%	0%	0%	35%	54%	0%	0%	3%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	3%	53%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	39%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	44%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	44%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	5%	50%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	5%	50%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	48%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	51%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	7%	59%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	5%	48%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	8%	66%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	11%	67%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	13%	70%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	12%	70%	0%	6%

Gas Peaking A	Generic 4-Hou	Generic 4-Hou	Generic 4-Hou	Storage A2
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	-3%
2%	0%	0%	0%	-3%
2%	0%	0%	0%	-3%
2%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
4%	0%	0%	0%	-3%
4%	0%	0%	0%	-3%
3%	0%	0%	0%	-3%
4%	0%	0%	0%	-3%
5%	0%	0%	0%	-3%
5%	0%	0%	0%	-3%
7%	0%	0%	-3%	-3%
8%	0%	0%	-3%	-3%
9%	0%	0%	-3%	-3%
9%	0%	0%	-3%	-3%

Resource Capacity Factor Summary

Portfolio	Replacements 7
Scenario	Reference

Capacity Factor

	Indiana Crossr	Michigan City #	NIPSCO Customer-Owned BTM Storage	NIPSCO Customer-Owned Distributed Generation	Norway #1-#4 NIPS	Oakdale #1+2+3	Cavalry S+S (Solar Only)	Cavalry S+S (Storage Only)	Dunns Bridge 1 Solar	Dunns Bridge 2 S+S (Solar Only)	Dunns Bridge 2 S+S (Storage Only)	Elliot Solar
2021	43%	68%	0%	19%	65%	52%	0%	0%	0%	0%	0%	0%
2022	37%	67%	0%	19%	65%	52%	0%	0%	10%	0%	0%	0%
2023	37%	73%	0%	19%	65%	52%	11%	-2%	24%	10%	-2%	26%
2024	38%	79%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2025	37%	71%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2026	37%	65%	0%	20%	65%	52%	25%	-2%	24%	24%	-2%	25%
2027	37%	63%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2028	38%	63%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2029	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2030	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2031	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2032	38%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2033	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2034	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2035	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2036	38%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2037	37%	0%	-3%	20%	65%	52%	25%	-2%	24%	24%	-2%	25%
2038	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2039	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2040	38%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%

Fairbanks Solar	INCR Solar	RM Schahfer #15	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	Rosewater	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	DER_Paired_S
0%	0%	73%	2%	2%	42%	56%	35%	70%	0%	0%	12%	0%	0%	0%
0%	9%	0%	0%	0%	57%	62%	35%	65%	0%	0%	7%	0%	0%	0%
17%	25%	0%	0%	0%	61%	66%	35%	68%	0%	0%	5%	0%	0%	0%
27%	25%	0%	0%	1%	0%	0%	35%	66%	0%	0%	6%	0%	0%	0%
27%	25%	0%	0%	1%	0%	0%	35%	65%	0%	0%	5%	0%	0%	0%
27%	25%	0%	0%	0%	0%	0%	35%	66%	0%	0%	4%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	67%	0%	0%	3%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	54%	0%	0%	2%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	64%	0%	0%	5%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	61%	0%	0%	5%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	60%	0%	0%	4%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	56%	0%	0%	4%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	0%	0%	6%

Gas Peaking A	Generic 4-Hou	Generic 4-Hou	Generic 4-Hou	Storage A2
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	-3%
0%	0%	0%	0%	-3%
0%	0%	0%	0%	-5%
0%	0%	0%	0%	-6%
0%	0%	0%	0%	-6%
0%	0%	0%	0%	-6%
0%	0%	0%	0%	-6%
0%	-3%	0%	0%	-6%
0%	-3%	0%	0%	-6%
0%	-3%	0%	0%	-6%
0%	-3%	0%	0%	-6%
0%	-3%	-3%	0%	-7%
0%	-3%	-3%	-3%	-7%
0%	-3%	-3%	-3%	-7%
0%	-3%	-3%	-3%	-7%
0%	-3%	-3%	-3%	-7%

Portfolio	Replacements 7
Scenario	Aggressive Environmental Regulation

Capacity Factor

	Indiana Crossr	Michigan City #	NIPSCO Custo	NIPSCO Custo	Norway #1- #4	Oakdale #1+2-	Cavalry S+S (S	Cavalry S+S (S	Dunns Bridge	Dunns Bridge 2	Dunns Bridge 1	Elliot Solar
2021	43%	68%	0%	19%	65%	52%	0%	0%	0%	0%	0%	0%
2022	37%	70%	0%	19%	65%	52%	0%	0%	10%	0%	0%	0%
2023	37%	74%	0%	19%	65%	52%	11%	-2%	24%	10%	-2%	26%
2024	38%	74%	-2%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2025	37%	65%	-2%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2026	37%	71%	-2%	20%	65%	52%	25%	-2%	24%	24%	-2%	25%
2027	37%	69%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2028	38%	65%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2029	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	24%
2030	37%	0%	-3%	19%	65%	52%	24%	-2%	24%	24%	-2%	24%
2031	37%	0%	-3%	19%	65%	52%	24%	-2%	24%	24%	-2%	24%
2032	38%	0%	-3%	19%	65%	52%	24%	-2%	23%	24%	-2%	23%
2033	37%	0%	-3%	19%	65%	52%	24%	-2%	23%	24%	-2%	23%
2034	37%	0%	-3%	19%	65%	52%	23%	-2%	23%	23%	-2%	23%
2035	37%	0%	-3%	19%	65%	52%	23%	-2%	23%	23%	-2%	22%
2036	38%	0%	-3%	19%	65%	52%	23%	-2%	22%	22%	-2%	22%
2037	37%	0%	-3%	20%	65%	52%	23%	-2%	22%	22%	-2%	22%
2038	37%	0%	-3%	19%	65%	52%	22%	-2%	21%	22%	-2%	21%
2039	37%	0%	-3%	19%	65%	52%	23%	-2%	21%	22%	-2%	21%
2040	38%	0%	-3%	19%	65%	52%	23%	-2%	22%	23%	-2%	22%

Fairbanks Sola	INCR Solar	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	Rosewater	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	DER_Paired_S
0%	0%	73%	2%	2%	41%	57%	35%	70%	0%	0%	12%	0%	0%	0%
0%	9%	0%	0%	0%	63%	65%	35%	54%	0%	0%	3%	0%	0%	0%
17%	25%	0%	0%	0%	62%	67%	35%	50%	0%	0%	2%	0%	0%	0%
27%	25%	0%	0%	0%	0%	0%	35%	55%	0%	0%	3%	0%	0%	0%
27%	25%	0%	0%	1%	0%	0%	35%	43%	0%	0%	1%	0%	0%	0%
27%	25%	0%	0%	0%	0%	0%	35%	37%	0%	0%	1%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	34%	0%	0%	1%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	27%	0%	0%	0%	0%	0%	6%
26%	25%	0%	0%	0%	0%	0%	35%	33%	0%	0%	1%	0%	0%	6%
26%	25%	0%	0%	0%	0%	0%	35%	33%	0%	0%	1%	0%	0%	6%
26%	25%	0%	0%	0%	0%	0%	35%	40%	0%	0%	2%	0%	0%	6%
25%	25%	0%	0%	0%	0%	0%	35%	35%	0%	0%	3%	0%	0%	6%
25%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	0%	0%	6%
24%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	0%	0%	6%
24%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	0%	0%	6%
23%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	0%	0%	6%
23%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	0%	0%	6%
23%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	0%	0%	6%
23%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	0%	0%	6%
23%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	0%	0%	6%

Gas Peaking A	Generic 4-Hou	Generic 4-Hou	Generic 4-Hou	Storage A2
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	-2%
0%	0%	0%	0%	-2%
0%	0%	0%	0%	-5%
0%	0%	0%	0%	-5%
0%	0%	0%	0%	-6%
0%	0%	0%	0%	-6%
0%	0%	0%	0%	-6%
0%	-3%	0%	0%	-6%
0%	-3%	0%	0%	-6%
0%	-3%	0%	0%	-6%
0%	-3%	0%	0%	-6%
0%	-3%	-3%	0%	-6%
0%	-3%	-3%	-3%	-6%
0%	-3%	-3%	-3%	-6%
0%	-3%	-3%	-3%	-6%
0%	-3%	-3%	-3%	-6%

Portfolio	Replacements 7
Scenario	Status Quo Extended

Capacity Factor

	Indiana Crossr	Michigan City #	NIPSCO Custo	NIPSCO Custo	Norway #1- #4	Oakdale #1+2-	Cavalry S+S (S	Cavalry S+S (S	Dunns Bridge	Dunns Bridge 2	Dunns Bridge 3	Elliot Solar
2021	43%	68%	0%	19%	65%	52%	0%	0%	0%	0%	0%	0%
2022	37%	64%	0%	19%	65%	52%	0%	0%	10%	0%	0%	0%
2023	37%	69%	0%	19%	65%	52%	11%	-1%	24%	10%	-1%	26%
2024	38%	75%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2025	37%	64%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2026	37%	68%	0%	20%	65%	52%	25%	-2%	24%	24%	-2%	25%
2027	37%	68%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2028	38%	65%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2029	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2030	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2031	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2032	38%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2033	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2034	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2035	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2036	38%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2037	37%	0%	0%	20%	65%	52%	25%	-2%	24%	24%	-2%	25%
2038	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2039	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2040	38%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%

Fairbanks Sola	INCR Solar	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	Rosewater	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	DER_Paired_S
0%	0%	73%	2%	2%	41%	56%	35%	70%	0%	0%	12%	0%	0%	0%
0%	9%	0%	0%	0%	54%	59%	35%	69%	0%	0%	9%	0%	0%	0%
17%	25%	0%	0%	0%	55%	60%	35%	86%	0%	0%	13%	0%	0%	0%
27%	25%	0%	0%	3%	0%	0%	35%	87%	0%	0%	21%	0%	0%	0%
27%	25%	0%	0%	3%	0%	0%	35%	87%	0%	0%	20%	0%	0%	0%
27%	25%	0%	0%	0%	0%	0%	35%	82%	0%	0%	19%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	85%	0%	0%	16%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	69%	0%	0%	12%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	83%	0%	0%	17%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	78%	0%	0%	16%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	79%	0%	0%	15%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	77%	0%	0%	17%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	0%	0%	6%

Gas Peaking A	Generic 4-Hou	Generic 4-Hou	Generic 4-Hou	Storage A2
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	-3%
0%	0%	0%	0%	-3%
0%	0%	0%	0%	-6%
0%	0%	0%	0%	-6%
0%	0%	0%	0%	-6%
0%	0%	0%	0%	-6%
0%	0%	0%	0%	-6%
0%	-3%	0%	0%	-6%
0%	-3%	0%	0%	-6%
0%	-3%	0%	0%	-6%
0%	-3%	0%	0%	-6%
0%	-3%	-3%	0%	-6%
0%	-3%	-3%	-3%	-6%
0%	-3%	-3%	-3%	-7%
0%	-3%	-3%	-3%	-7%
0%	-3%	-3%	-3%	-6%

Portfolio	Replacements 7
Scenario	Economy-Wide Decarbonization

Capacity Factor

	Indiana Crossr	Michigan City #	NIPSCO Custo	NIPSCO Custo	Norway #1- #4	Oakdale #1+2-	Cavalry S+S (S	Cavalry S+S (S	Dunns Bridge	Dunns Bridge 2	Dunns Bridge 1	Elliot Solar
2021	43%	68%	0%	19%	65%	52%	0%	0%	0%	0%	0%	0%
2022	37%	65%	0%	19%	65%	52%	0%	0%	10%	0%	0%	0%
2023	37%	72%	0%	19%	65%	52%	11%	-1%	24%	10%	-1%	26%
2024	38%	78%	-1%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2025	37%	70%	-1%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2026	37%	73%	0%	20%	65%	52%	25%	-1%	24%	24%	-1%	25%
2027	37%	77%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2028	38%	67%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2029	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2030	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2031	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2032	38%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2033	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2034	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2035	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2036	38%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2037	37%	0%	0%	20%	65%	52%	25%	-1%	24%	24%	-1%	25%
2038	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2039	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2040	38%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%

Fairbanks Sola	INCR Solar	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	Rosewater	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	DER_Paired_S
0%	0%	73%	2%	2%	42%	57%	35%	70%	0%	0%	12%	0%	0%	0%
0%	9%	0%	0%	0%	55%	61%	35%	64%	0%	0%	6%	0%	0%	0%
17%	25%	0%	0%	0%	60%	64%	35%	67%	0%	0%	5%	0%	0%	0%
27%	25%	0%	0%	1%	0%	0%	35%	64%	0%	0%	6%	0%	0%	0%
27%	25%	0%	0%	1%	0%	0%	35%	60%	0%	0%	4%	0%	0%	0%
27%	25%	0%	0%	0%	0%	0%	35%	54%	0%	0%	3%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	50%	0%	0%	3%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	37%	0%	0%	1%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	41%	0%	0%	4%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	41%	0%	0%	4%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	47%	0%	0%	5%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	38%	0%	0%	5%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	0%	0%	6%

Gas Peaking A	Generic 4-Hou	Generic 4-Hou	Generic 4-Hou	Storage A2
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	-3%
0%	0%	0%	0%	-3%
0%	0%	0%	0%	-6%
0%	0%	0%	0%	-6%
0%	0%	0%	0%	-6%
0%	0%	0%	0%	-7%
0%	0%	0%	0%	-6%
0%	-3%	0%	0%	-7%
0%	-3%	0%	0%	-7%
0%	-3%	0%	0%	-6%
0%	-3%	0%	0%	-6%
0%	-3%	-3%	0%	-6%
0%	-3%	-3%	-3%	-6%
0%	-3%	-3%	-3%	-6%
0%	-3%	-3%	-3%	-6%
0%	-3%	-3%	-3%	-6%

Resource Capacity Factor Summary

Portfolio	Replacements 7H
Scenario	Reference

Capacity Factor

	Indiana Crossr	Michigan City #	NIPSCO Customer-Owned BTM Storage	NIPSCO Customer-Owned Distributed Generation	Norway #1-#4 NIPS	Oakdale #1+2+3	Cavalry S+S (Solar Only)	Cavalry S+S (Storage Only)	Dunns Bridge 1 Solar	Dunns Bridge 2 S+S (Solar Only)	Dunns Bridge 2 S+S (Storage Only)	Elliot Solar
2021	43%	68%	0%	19%	65%	52%	0%	0%	0%	0%	0%	0%
2022	37%	67%	0%	19%	65%	52%	0%	0%	10%	0%	0%	0%
2023	37%	73%	0%	19%	65%	52%	11%	-2%	24%	10%	-2%	26%
2024	38%	79%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2025	37%	71%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2026	37%	65%	0%	20%	65%	52%	25%	-2%	24%	24%	-2%	25%
2027	37%	63%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2028	38%	63%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2029	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2030	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2031	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2032	38%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2033	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2034	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2035	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2036	38%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2037	37%	0%	-3%	20%	65%	52%	25%	-2%	24%	24%	-2%	25%
2038	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2039	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2040	38%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%

Fairbanks Solar	INCR Solar	RM Schahfer #15	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	Rosewater	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	DER_Paired_S
0%	0%	73%	2%	2%	42%	56%	35%	70%	0%	0%	12%	0%	0%	0%
0%	9%	0%	0%	0%	57%	62%	35%	65%	0%	0%	7%	0%	0%	0%
17%	25%	0%	0%	0%	61%	66%	35%	68%	0%	0%	5%	0%	0%	0%
27%	25%	0%	0%	1%	0%	0%	35%	66%	0%	0%	6%	0%	0%	0%
27%	25%	0%	0%	1%	0%	0%	35%	65%	0%	0%	5%	0%	0%	0%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	4%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	98%	69%	3%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	81%	56%	2%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	98%	67%	5%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	92%	63%	5%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	98%	62%	4%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	98%	59%	3%	0%	64%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	98%	0%	4%	0%	61%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	92%	0%	4%	0%	61%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	98%	0%	5%	0%	60%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	81%	0%	4%	0%	51%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	98%	0%	5%	0%	62%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	92%	0%	6%	0%	64%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	98%	0%	7%	0%	68%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	98%	0%	7%	0%	68%	6%

Gas Peaking A	Generic 4-Hou	Generic 4-Hou	Generic 4-Hou	Storage A2
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	-3%
0%	0%	0%	0%	-3%
0%	0%	0%	0%	-5%
0%	0%	0%	0%	-6%
0%	0%	0%	0%	-6%
0%	0%	0%	0%	-6%
0%	0%	0%	0%	-6%
0%	0%	0%	0%	-6%
0%	0%	0%	0%	-6%
0%	0%	0%	0%	-6%
0%	0%	0%	0%	-6%
0%	0%	0%	0%	-7%
0%	0%	0%	-3%	-7%
0%	0%	0%	-3%	-7%
0%	0%	0%	-3%	-7%
0%	0%	0%	-3%	-7%

Portfolio	Replacements 7H
Scenario	Aggressive Environmental Regulation

Capacity Factor

	Indiana Crossr	Michigan City #	NIPSCO Custo	NIPSCO Custo	Norway #1- #4	Oakdale #1+2	Cavalry S+S (S	Cavalry S+S (S	Dunns Bridge	Dunns Bridge 2	Dunns Bridge 3	Elliot Solar
2021	43%	68%	0%	19%	65%	52%	0%	0%	0%	0%	0%	0%
2022	37%	70%	0%	19%	65%	52%	0%	0%	10%	0%	0%	0%
2023	37%	74%	0%	19%	65%	52%	11%	-2%	24%	10%	-2%	26%
2024	38%	74%	-2%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2025	37%	65%	-2%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2026	37%	71%	-2%	20%	65%	52%	25%	-2%	24%	24%	-2%	25%
2027	37%	69%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2028	38%	65%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2029	37%	0%	-3%	19%	65%	52%	25%	-2%	24%	24%	-2%	24%
2030	37%	0%	-3%	19%	65%	52%	24%	-2%	24%	24%	-2%	24%
2031	37%	0%	-3%	19%	65%	52%	24%	-2%	24%	24%	-2%	24%
2032	38%	0%	-3%	19%	65%	52%	24%	-2%	23%	24%	-2%	23%
2033	37%	0%	-3%	19%	65%	52%	24%	-2%	23%	24%	-2%	23%
2034	37%	0%	-3%	19%	65%	52%	23%	-2%	23%	23%	-2%	23%
2035	37%	0%	-3%	19%	65%	52%	23%	-2%	23%	23%	-2%	22%
2036	38%	0%	-3%	19%	65%	52%	23%	-2%	22%	22%	-2%	22%
2037	37%	0%	-3%	20%	65%	52%	23%	-2%	22%	22%	-2%	22%
2038	37%	0%	-3%	19%	65%	52%	22%	-2%	21%	22%	-2%	21%
2039	37%	0%	-3%	19%	65%	52%	23%	-2%	21%	22%	-2%	21%
2040	38%	0%	-3%	19%	65%	52%	23%	-2%	22%	23%	-2%	22%

Fairbanks Sola	INCR Solar	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	Rosewater	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	DER_Paired_S
0%	0%	73%	2%	2%	41%	57%	35%	70%	0%	0%	12%	0%	0%	0%
0%	9%	0%	0%	0%	63%	65%	35%	54%	0%	0%	3%	0%	0%	0%
17%	25%	0%	0%	0%	62%	67%	35%	50%	0%	0%	2%	0%	0%	0%
27%	25%	0%	0%	0%	0%	0%	35%	55%	0%	0%	3%	0%	0%	0%
27%	25%	0%	0%	1%	0%	0%	35%	43%	0%	0%	1%	0%	0%	0%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	1%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	98%	40%	1%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	81%	32%	0%	0%	0%	6%
26%	25%	0%	0%	0%	0%	0%	35%	0%	98%	37%	1%	0%	0%	6%
26%	25%	0%	0%	0%	0%	0%	35%	0%	92%	36%	1%	0%	0%	6%
26%	25%	0%	0%	0%	0%	0%	35%	0%	98%	42%	2%	0%	0%	6%
25%	25%	0%	0%	0%	0%	0%	35%	0%	98%	38%	2%	0%	55%	6%
25%	25%	0%	0%	0%	0%	0%	35%	0%	98%	0%	2%	0%	50%	6%
24%	25%	0%	0%	0%	0%	0%	35%	0%	92%	0%	1%	0%	47%	6%
24%	25%	0%	0%	0%	0%	0%	35%	0%	98%	0%	1%	0%	42%	6%
23%	25%	0%	0%	0%	0%	0%	35%	0%	81%	0%	1%	0%	32%	6%
23%	25%	0%	0%	0%	0%	0%	35%	0%	98%	0%	1%	0%	39%	6%
23%	25%	0%	0%	0%	0%	0%	35%	0%	92%	0%	1%	0%	38%	6%
23%	25%	0%	0%	0%	0%	0%	35%	0%	98%	0%	1%	0%	43%	6%
23%	25%	0%	0%	0%	0%	0%	35%	0%	98%	0%	0%	0%	50%	6%

Gas Peaking A	Generic 4-Hou	Generic 4-Hou	Generic 4-Hou	Storage A2
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	-2%
0%	0%	0%	0%	-2%
0%	0%	0%	0%	-5%
0%	0%	0%	0%	-5%
0%	0%	0%	0%	-6%
0%	0%	0%	0%	-6%
0%	0%	0%	0%	-6%
0%	0%	0%	0%	-6%
0%	0%	0%	0%	-6%
0%	0%	0%	0%	-6%
0%	0%	0%	0%	-6%
0%	0%	0%	0%	-6%
0%	0%	0%	-3%	-6%
0%	0%	0%	-3%	-6%
0%	0%	0%	-3%	-6%
0%	0%	0%	-3%	-6%

Portfolio	Replacements 7H
Scenario	Status Quo Extended

Capacity Factor

	Indiana Crossr	Michigan City #	NIPSCO Custo	NIPSCO Custo	Norway #1- #4	Oakdale #1+2-	Cavalry S+S (S	Cavalry S+S (S	Dunns Bridge	Dunns Bridge 2	Dunns Bridge 3	Elliot Solar
2021	43%	68%	0%	19%	65%	52%	0%	0%	0%	0%	0%	0%
2022	37%	64%	0%	19%	65%	52%	0%	0%	10%	0%	0%	0%
2023	37%	69%	0%	19%	65%	52%	11%	-1%	24%	10%	-1%	26%
2024	38%	75%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2025	37%	64%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2026	37%	68%	0%	20%	65%	52%	25%	-2%	24%	24%	-2%	25%
2027	37%	68%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2028	38%	65%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2029	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2030	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2031	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2032	38%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2033	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2034	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2035	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2036	38%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2037	37%	0%	0%	20%	65%	52%	25%	-2%	24%	24%	-2%	25%
2038	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2039	37%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%
2040	38%	0%	0%	19%	65%	52%	25%	-2%	24%	24%	-2%	25%

Fairbanks Sola	INCR Solar	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	Rosewater	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	DER_Paired_S
0%	0%	73%	2%	2%	41%	56%	35%	70%	0%	0%	12%	0%	0%	0%
0%	9%	0%	0%	0%	54%	59%	35%	69%	0%	0%	9%	0%	0%	0%
17%	25%	0%	0%	0%	55%	60%	35%	86%	0%	0%	13%	0%	0%	0%
27%	25%	0%	0%	3%	0%	0%	35%	87%	0%	0%	21%	0%	0%	0%
27%	25%	0%	0%	3%	0%	0%	35%	87%	0%	0%	20%	0%	0%	0%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	19%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	98%	86%	16%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	81%	70%	12%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	98%	84%	17%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	92%	79%	16%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	98%	81%	15%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	98%	78%	15%	0%	82%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	98%	0%	15%	0%	79%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	92%	0%	15%	0%	76%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	98%	0%	15%	0%	78%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	81%	0%	11%	0%	64%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	98%	0%	14%	0%	77%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	92%	0%	13%	0%	73%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	98%	0%	16%	0%	77%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	98%	0%	16%	0%	78%	6%

Gas Peaking A	Generic 4-Hou	Generic 4-Hou	Generic 4-Hou	Storage A2
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	-3%
0%	0%	0%	0%	-3%
0%	0%	0%	0%	-6%
0%	0%	0%	0%	-6%
0%	0%	0%	0%	-6%
0%	0%	0%	0%	-6%
0%	0%	0%	0%	-6%
0%	0%	0%	0%	-6%
0%	0%	0%	0%	-6%
0%	0%	0%	0%	-6%
0%	0%	0%	0%	-6%
0%	0%	0%	0%	-6%
0%	0%	0%	-3%	-6%
0%	0%	0%	-3%	-7%
0%	0%	0%	-3%	-7%
0%	0%	0%	-3%	-6%

Portfolio	Replacements 7H
Scenario	Economy-Wide Decarbonization

Capacity Factor

	Indiana Crossr	Michigan City #	NIPSCO Custo	NIPSCO Custo	Norway #1- #4	Oakdale #1+2-	Cavalry S+S (S	Cavalry S+S (S	Dunns Bridge	Dunns Bridge 2	Dunns Bridge 1	Elliot Solar
2021	43%	68%	0%	19%	65%	52%	0%	0%	0%	0%	0%	0%
2022	37%	65%	0%	19%	65%	52%	0%	0%	10%	0%	0%	0%
2023	37%	72%	0%	19%	65%	52%	11%	-1%	24%	10%	-1%	26%
2024	38%	78%	-1%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2025	37%	70%	-1%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2026	37%	73%	0%	20%	65%	52%	25%	-1%	24%	24%	-1%	25%
2027	37%	77%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2028	38%	67%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2029	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2030	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2031	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2032	38%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2033	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2034	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2035	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2036	38%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2037	37%	0%	0%	20%	65%	52%	25%	-1%	24%	24%	-1%	25%
2038	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2039	37%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%
2040	38%	0%	0%	19%	65%	52%	25%	-1%	24%	24%	-1%	25%

Fairbanks Sola	INCR Solar	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	RM Schahfer #	Rosewater	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	Sugar Creek P	DER_Paired_S
0%	0%	73%	2%	2%	42%	57%	35%	70%	0%	0%	12%	0%	0%	0%
0%	9%	0%	0%	0%	55%	61%	35%	64%	0%	0%	6%	0%	0%	0%
17%	25%	0%	0%	0%	60%	64%	35%	67%	0%	0%	5%	0%	0%	0%
27%	25%	0%	0%	1%	0%	0%	35%	64%	0%	0%	6%	0%	0%	0%
27%	25%	0%	0%	1%	0%	0%	35%	60%	0%	0%	4%	0%	0%	0%
27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%	3%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	98%	53%	3%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	81%	39%	1%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	98%	44%	4%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	92%	44%	4%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	98%	50%	5%	0%	0%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	98%	41%	5%	0%	94%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	98%	0%	4%	0%	92%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	92%	0%	4%	0%	88%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	98%	0%	7%	0%	95%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	81%	0%	5%	0%	77%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	98%	0%	8%	0%	92%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	92%	0%	11%	0%	85%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	98%	0%	13%	0%	86%	6%
27%	25%	0%	0%	0%	0%	0%	35%	0%	98%	0%	12%	0%	76%	6%

Gas Peaking A	Generic 4-Hou	Generic 4-Hou	Generic 4-Hou	Storage A2
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	0%
0%	0%	0%	0%	-3%
0%	0%	0%	0%	-3%
0%	0%	0%	0%	-6%
0%	0%	0%	0%	-6%
0%	0%	0%	0%	-6%
0%	0%	0%	0%	-7%
0%	0%	0%	0%	-6%
0%	0%	0%	0%	-7%
0%	0%	0%	0%	-7%
0%	0%	0%	0%	-6%
0%	0%	0%	0%	-6%
0%	0%	0%	0%	-6%
0%	0%	0%	-3%	-6%
0%	0%	0%	-3%	-6%
0%	0%	0%	-3%	-6%
0%	0%	0%	-3%	-6%

Portfolio Summary

Component	Description
Portfolio Generation Cost	The total variable costs associated with operating the portfolio, including fuel, emissions, VOM, contract (PPA) costs, and net market purchases from the MISO energy market
Resource Cost	The sum of all variable costs associated with owned generating assets, including fuel, emissions, and VOM
Contract Purchases Cost	The sum of all contract or PPA costs plus costs associated with new DSM programs
Market Sales Cost	Costs associated with energy market sales to MISO
Market Purchases Cost	Costs associated with energy market purchases from MISO

Portfolio Name:	Replacement A
Scenario	Reference

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,831	281,995	26	103,952	57	(85,158)	38,042
2022	316,129	236,327	23	114,186	58	(73,894)	39,465
2023	306,878	202,003	20	170,388	49	(101,401)	35,467
2024	248,331	172,294	16	191,833	42	(145,839)	29,627
2025	253,204	167,473	16	190,096	42	(139,806)	35,001
2026	304,857	152,308	17	254,003	43	(171,088)	65,993
2027	312,449	132,656	16	258,117	43	(154,571)	72,544
2028	326,586	114,723	15	261,384	43	(144,673)	91,327
2029	304,995	140,438	18	238,934	40	(157,567)	78,967
2030	298,048	138,567	17	252,658	40	(180,920)	83,751
2031	299,310	142,374	17	261,194	40	(190,561)	82,350
2032	295,230	146,672	18	260,871	40	(198,699)	82,253
2033	296,032	149,010	18	260,649	39	(202,434)	84,892
2034	297,087	153,627	18	258,367	39	(205,728)	86,860
2035	285,584	157,420	18	274,295	39	(237,758)	87,824
2036	274,243	141,266	17	269,368	38	(248,838)	108,711
2037	267,661	172,095	20	264,214	38	(259,781)	87,340
2038	280,220	183,281	21	262,177	38	(260,267)	91,324
2039	285,806	199,793	22	236,832	38	(259,179)	104,622
2040	274,571	209,520	22	237,008	38	(281,348)	105,688

Portfolio Name:	Replacement A
Scenario	Aggressive Environmental Regulation

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,215	282,542	26	103,952	57	(85,953)	37,674
2022	322,327	242,616	23	114,187	58	(74,019)	39,499
2023	316,257	190,505	20	170,598	49	(90,784)	45,495
2024	273,971	187,105	19	191,232	43	(149,387)	44,608
2025	285,727	168,623	19	188,867	42	(132,867)	60,742
2026	320,950	123,840	16	253,586	43	(152,944)	93,185
2027	334,402	98,775	15	257,580	43	(139,063)	113,603
2028	353,355	87,716	14	260,731	43	(129,872)	131,376
2029	350,743	107,843	16	238,780	40	(126,262)	127,022
2030	344,648	114,521	17	249,491	40	(158,071)	135,383
2031	349,725	147,179	20	257,542	40	(191,867)	133,365
2032	355,066	180,228	24	259,378	39	(224,276)	136,195
2033	364,205	206,650	27	262,143	40	(254,419)	146,372
2034	380,641	219,201	29	263,883	40	(276,871)	170,932
2035	359,670	222,421	29	282,320	41	(346,549)	198,061
2036	367,183	181,087	25	277,475	39	(330,057)	235,325
2037	369,162	225,280	30	271,987	39	(336,334)	204,863
2038	387,539	217,953	29	270,383	40	(330,086)	225,908
2039	418,436	222,472	29	243,815	40	(319,011)	267,772
2040	389,461	222,460	28	244,279	40	(357,765)	277,169

Portfolio Name:	Replacement A
Scenario	Status Quo Extended

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	337,115	282,032	26	103,952	57	(86,288)	37,420
2022	307,229	230,615	22	114,185	58	(74,868)	37,251
2023	261,046	202,247	19	169,694	48	(127,132)	15,875
2024	202,679	172,630	15	192,966	42	(172,823)	9,569
2025	206,843	164,857	15	192,962	42	(162,794)	11,477
2026	246,108	127,410	13	257,470	43	(168,238)	26,141
2027	253,748	111,688	12	261,002	43	(147,907)	25,357
2028	266,952	94,364	12	263,898	43	(133,445)	38,381
2029	242,071	113,765	13	241,246	40	(144,503)	27,640
2030	241,675	110,203	12	254,984	40	(158,475)	31,132
2031	244,238	115,482	13	263,394	40	(166,208)	27,826
2032	240,633	117,287	13	263,285	40	(171,162)	27,417
2033	241,779	118,463	13	262,687	39	(169,505)	26,363
2034	241,541	115,811	13	259,012	39	(167,674)	30,389
2035	239,676	121,213	13	273,598	39	(186,999)	28,055
2036	233,181	103,813	12	267,860	37	(184,445)	42,222
2037	225,643	125,685	13	263,670	38	(195,873)	28,426
2038	231,843	121,555	13	261,002	38	(189,736)	35,318
2039	222,946	132,668	14	234,287	38	(186,221)	38,540
2040	213,350	138,707	14	234,502	38	(202,696)	39,152

Portfolio Name:	Replacement A
Scenario	Economy-Wide Decarbonization

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,623	279,553	25	103,755	57	(83,155)	38,470
2022	310,568	215,545	21	114,027	58	(65,701)	46,696
2023	269,101	171,836	17	140,885	40	(85,199)	41,491
2024	202,956	127,518	12	159,210	35	(122,191)	38,222
2025	219,936	119,401	12	160,951	36	(106,790)	46,119
2026	192,502	42,530	5	184,029	31	(112,082)	76,046
2027	130,072	(21,993)	(3)	146,918	25	(89,466)	93,134
2028	67,196	(88,101)	(13)	110,723	18	(69,786)	112,590
2029	(24,974)	(125,357)	(18)	49,476	8	(58,405)	107,899
2030	(109,112)	(171,692)	(24)	17,896	3	(69,642)	112,706
2031	(139,340)	(180,956)	(23)	5,669	1	(78,520)	113,019
2032	(183,495)	(208,706)	(27)	(12,829)	(2)	(78,807)	114,919
2033	(197,956)	(224,064)	(29)	(19,476)	(3)	(78,314)	122,007
2034	(210,430)	(229,997)	(29)	(31,695)	(5)	(81,642)	131,162
2035	(237,921)	(226,023)	(26)	(31,956)	(5)	(109,952)	128,208
2036	(238,486)	(247,613)	(30)	(40,252)	(6)	(115,773)	163,514
2037	(205,966)	(188,488)	(21)	(26,712)	(4)	(129,367)	136,989
2038	(175,060)	(180,161)	(20)	(18,669)	(3)	(129,333)	151,523
2039	(129,459)	(176,398)	(19)	(745)	(0)	(131,048)	177,052
2040	(128,025)	(181,705)	(18)	15,373	3	(149,582)	186,089

Note: Negative portfolio generation costs in the EWD scenario result from how NIPSCO accounts for the Clean Energy Standard for modeling purposes. In Aurora, every "clean" MWh is assumed to receive a credit for a sale at the REC or "CEC" price. NIPSCO then "buys back" its load requirement through the "Gross REC Purchase Cost" line item in the Rev Req Components tabs, resulting in a net customer cost benefit only accruing for clean energy *above* the standard.

Portfolio Summary

Component	Description
Portfolio Generation Cost	The total variable costs associated with operating the portfolio, including fuel, emissions, VOM, contract (PPA) costs, and net market purchases from the MISO energy market
Resource Cost	The sum of all variable costs associated with owned generating assets, including fuel, emissions, and VOM
Contract Purchases Cost	The sum of all contract or PPA costs plus costs associated with new DSM programs
Market Sales Cost	Costs associated with energy market sales to MISO
Market Purchases Cost	Costs associated with energy market purchases from MISO

Portfolio Name:	Replacement B
Scenario	Reference

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,831	281,995	26	103,952	57	(85,158)	38,042
2022	316,129	236,327	23	114,186	58	(73,894)	39,465
2023	306,878	202,003	20	170,388	49	(101,401)	35,467
2024	248,331	172,294	16	191,833	42	(145,839)	29,627
2025	253,253	167,473	16	190,140	42	(139,782)	35,001
2026	319,731	152,308	17	249,344	49	(149,147)	66,817
2027	330,013	132,656	16	252,469	49	(130,888)	75,363
2028	345,355	114,723	15	256,145	49	(120,652)	94,726
2029	322,667	140,438	18	236,627	46	(136,289)	81,443
2030	319,678	138,291	17	247,017	46	(153,876)	87,809
2031	323,599	141,937	17	253,189	46	(159,875)	87,931
2032	326,786	145,722	18	252,042	45	(160,545)	89,122
2033	333,030	147,771	18	253,113	45	(160,795)	92,529
2034	335,657	152,421	19	252,180	45	(163,713)	94,356
2035	322,511	156,194	19	269,918	45	(198,768)	94,775
2036	311,364	140,018	17	266,689	43	(210,458)	114,734
2037	307,195	170,830	20	262,746	43	(218,333)	91,562
2038	319,636	181,995	21	266,443	44	(219,427)	90,249
2039	325,877	198,488	22	241,910	45	(218,708)	103,807
2040	322,725	207,650	22	242,960	45	(232,250)	103,992

Portfolio Name:	Replacement B
Scenario	Aggressive Environmental Regulation

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,215	282,542	26	103,952	57	(85,953)	37,674
2022	322,327	242,616	23	114,187	58	(74,019)	39,499
2023	316,257	190,505	20	170,598	49	(90,784)	45,495
2024	273,971	187,105	19	191,232	43	(149,387)	44,608
2025	285,778	168,623	19	188,908	42	(132,840)	60,742
2026	341,609	123,840	16	241,346	50	(122,653)	98,714
2027	358,651	98,775	15	244,238	50	(108,050)	123,304
2028	380,002	87,716	14	246,733	50	(99,604)	144,796
2029	377,013	107,843	16	226,624	46	(100,101)	142,303
2030	378,580	114,246	17	236,416	46	(124,821)	152,396
2031	389,713	146,742	20	244,884	45	(152,861)	150,594
2032	405,856	179,278	24	249,886	45	(176,172)	152,508
2033	426,748	205,411	27	251,561	45	(194,502)	163,930
2034	451,268	217,995	30	252,286	45	(209,465)	190,106
2035	435,591	221,195	30	270,046	46	(276,412)	220,424
2036	442,228	179,839	26	264,082	44	(264,604)	262,582
2037	445,324	224,015	31	259,752	44	(263,335)	224,564
2038	468,152	216,667	30	256,739	45	(252,260)	246,678
2039	499,902	221,166	30	228,307	45	(241,102)	291,199
2040	489,943	220,589	29	226,061	45	(261,497)	304,465

Portfolio Name:	Replacement B
Scenario	Status Quo Extended

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	337,115	282,032	26	103,952	57	(86,288)	37,420
2022	307,229	230,615	22	114,185	58	(74,868)	37,251
2023	261,046	202,247	19	169,694	48	(127,132)	15,875
2024	202,679	172,630	15	192,966	42	(172,823)	9,569
2025	206,889	164,857	15	192,986	42	(162,773)	11,477
2026	248,008	127,410	13	265,070	47	(167,293)	22,456
2027	258,261	111,688	12	265,528	47	(142,350)	23,004
2028	271,896	94,364	12	267,956	47	(126,243)	35,418
2029	245,814	113,765	13	246,402	44	(139,990)	25,209
2030	246,771	109,928	12	256,610	44	(149,623)	29,440
2031	250,464	115,045	13	262,861	44	(154,268)	26,424
2032	251,297	116,338	13	262,557	44	(154,870)	26,861
2033	255,474	117,225	13	263,817	44	(151,835)	25,876
2034	256,272	114,605	13	260,095	44	(149,559)	30,711
2035	253,341	119,987	13	275,570	44	(169,946)	27,338
2036	247,405	102,565	12	268,660	42	(166,097)	41,892
2037	240,696	124,420	14	264,736	42	(176,457)	27,608
2038	247,572	120,269	13	262,093	43	(168,675)	33,503
2039	239,765	131,362	14	239,363	43	(167,596)	36,256
2040	235,045	136,836	14	239,853	44	(178,533)	36,511

Portfolio Name:	Replacement B
Scenario	Economy-Wide Decarbonization

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,623	279,553	25	103,755	57	(83,155)	38,470
2022	310,568	215,545	21	114,027	58	(65,701)	46,696
2023	269,101	171,836	17	140,885	40	(85,199)	41,491
2024	202,956	127,518	12	159,210	35	(122,191)	38,222
2025	219,989	119,401	12	160,981	36	(106,768)	46,119
2026	214,239	42,530	5	186,370	38	(92,046)	77,200
2027	160,740	(21,993)	(3)	154,838	31	(70,465)	98,216
2028	102,459	(88,101)	(13)	123,001	24	(52,827)	120,224
2029	15,051	(125,357)	(18)	72,850	14	(45,848)	113,277
2030	(55,641)	(168,734)	(23)	49,048	9	(54,382)	118,276
2031	(78,918)	(175,804)	(23)	43,733	8	(61,500)	114,524
2032	(105,869)	(196,340)	(26)	30,894	5	(59,280)	118,687
2033	(110,234)	(206,817)	(27)	24,917	4	(55,468)	126,965
2034	(118,749)	(211,915)	(28)	17,347	3	(57,611)	133,277
2035	(147,205)	(208,205)	(25)	22,405	4	(87,463)	125,903
2036	(148,253)	(230,349)	(29)	11,931	2	(90,150)	160,171
2037	(117,835)	(172,135)	(19)	30,057	5	(104,143)	128,247
2038	(87,461)	(164,004)	(18)	46,004	7	(104,131)	134,536
2039	(42,076)	(160,619)	(17)	65,489	12	(104,181)	157,090
2040	(29,931)	(160,311)	(17)	80,760	14	(116,061)	165,532

Note: Negative portfolio generation costs in the EWD scenario result from how NIPSCO accounts for the Clean Energy Standard for modeling purposes. In Aurora, every "clean" MWh is assumed to receive a credit for a sale at the REC or "CEC" price. NIPSCO then "buys back" its load requirement through the "Gross REC Purchase Cost" line item in the Rev Req Components tabs, resulting in a net customer cost benefit only accruing for clean energy *above* the standard.

Portfolio Summary

Component	Description
Portfolio Generation Cost	The total variable costs associated with operating the portfolio, including fuel, emissions, VOM, contract (PPA) costs, and net market purchases from the MISO energy market
Resource Cost	The sum of all variable costs associated with owned generating assets, including fuel, emissions, and VOM
Contract Purchases Cost	The sum of all contract or PPA costs plus costs associated with new DSM programs
Market Sales Cost	Costs associated with energy market sales to MISO
Market Purchases Cost	Costs associated with energy market purchases from MISO

Portfolio Name:	Replacement C
Scenario	Reference

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,831	281,995	26	103,952	57	(85,158)	38,042
2022	316,129	236,327	23	114,186	58	(73,894)	39,465
2023	306,878	202,003	20	170,388	49	(101,401)	35,467
2024	246,375	172,294	16	188,062	42	(144,497)	30,100
2025	249,970	167,473	16	184,721	41	(138,037)	35,391
2026	260,496	236,404	21	186,820	41	(199,083)	35,947
2027	252,975	276,321	23	188,936	41	(248,773)	36,078
2028	267,501	261,371	23	191,520	41	(228,861)	43,059
2029	242,774	291,954	25	168,587	36	(257,447)	39,231
2030	247,358	289,963	25	169,811	36	(257,192)	44,339
2031	256,541	294,045	26	170,638	36	(254,759)	46,200
2032	260,342	301,033	26	170,713	36	(260,099)	48,249
2033	265,881	307,411	27	170,606	35	(262,555)	50,007
2034	257,283	321,817	28	171,132	35	(283,973)	47,895
2035	251,300	328,022	28	172,084	35	(295,852)	46,655
2036	249,189	316,661	28	159,145	33	(280,077)	53,080
2037	248,461	354,082	30	157,604	33	(309,496)	45,880
2038	257,549	382,972	32	155,033	34	(318,616)	37,785
2039	262,467	409,570	32	128,498	33	(314,378)	38,395
2040	257,913	423,644	33	128,760	33	(331,048)	36,184

Portfolio Name:	Replacement C
Scenario	Aggressive Environmental Regulation

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,215	282,542	26	103,952	57	(85,953)	37,674
2022	322,327	242,616	23	114,187	58	(74,019)	39,499
2023	316,257	190,505	20	170,598	49	(90,784)	45,495
2024	272,038	187,105	19	188,066	42	(148,512)	44,967
2025	282,473	168,623	19	184,797	41	(132,140)	60,847
2026	289,456	192,160	21	186,866	41	(160,448)	70,515
2027	295,867	212,582	23	188,965	41	(194,138)	88,074
2028	317,280	205,443	23	191,571	41	(177,435)	97,339
2029	311,184	229,721	26	168,692	36	(187,000)	99,428
2030	323,883	244,410	28	169,905	36	(197,645)	106,870
2031	335,539	309,030	33	171,202	36	(243,354)	98,306
2032	345,647	381,401	38	173,090	36	(298,883)	89,682
2033	365,309	438,427	43	174,994	36	(340,814)	92,354
2034	370,689	478,822	47	176,309	36	(387,655)	102,867
2035	392,232	475,621	49	180,068	37	(400,551)	136,757
2036	406,680	428,196	47	164,563	34	(343,573)	157,166
2037	415,483	478,486	51	163,870	34	(378,977)	151,775
2038	448,932	477,417	52	162,192	35	(359,542)	168,537
2039	482,675	476,755	52	134,021	34	(332,000)	203,568
2040	475,717	476,847	51	134,864	34	(349,978)	213,660

Portfolio Name:	Replacement C
Scenario	Status Quo Extended

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	337,115	282,032	26	103,952	57	(86,288)	37,420
2022	307,229	230,615	22	114,185	58	(74,868)	37,251
2023	261,046	202,247	19	169,694	48	(127,132)	15,875
2024	201,208	172,630	15	188,141	42	(170,053)	10,153
2025	204,345	164,857	15	184,800	41	(157,927)	12,272
2026	186,918	195,492	16	186,863	41	(202,558)	6,755
2027	176,650	226,792	17	188,958	41	(245,785)	6,295
2028	190,351	211,270	16	191,531	41	(221,392)	8,540
2029	163,790	230,314	17	168,608	36	(242,967)	7,407
2030	166,566	226,443	17	169,831	36	(239,455)	9,331
2031	171,877	230,406	18	170,653	36	(238,506)	8,922
2032	172,733	233,147	18	170,747	36	(240,467)	8,895
2033	175,886	236,226	18	170,581	35	(239,186)	7,873
2034	170,536	236,852	18	171,124	35	(247,109)	9,248
2035	167,408	239,569	18	172,083	35	(253,817)	9,181
2036	165,167	221,907	18	159,140	33	(229,547)	13,281
2037	161,491	247,024	19	157,607	33	(253,360)	9,832
2038	169,508	244,087	19	155,028	34	(242,166)	12,177
2039	158,893	261,209	20	128,500	33	(241,967)	10,772
2040	153,085	270,690	20	128,755	33	(256,858)	10,119

Portfolio Name:	Replacement C
Scenario	Economy-Wide Decarbonization

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,623	279,553	25	103,755	57	(83,155)	38,470
2022	310,568	215,545	21	114,027	58	(65,701)	46,696
2023	269,101	171,836	17	140,885	40	(85,199)	41,491
2024	201,547	127,518	12	156,116	35	(121,074)	38,790
2025	217,867	119,401	12	156,976	35	(105,419)	46,653
2026	160,654	105,140	10	129,315	28	(122,914)	48,927
2027	98,936	76,788	7	100,131	22	(136,762)	58,635
2028	43,886	2,941	0	70,418	15	(102,737)	73,102
2029	(43,618)	(36,240)	(4)	17,998	4	(95,858)	70,352
2030	(90,864)	(64,852)	(7)	(2,318)	(0)	(94,184)	70,340
2031	(104,018)	(51,017)	(5)	(9,679)	(2)	(104,105)	60,654
2032	(129,546)	(67,864)	(7)	(21,466)	(4)	(103,672)	63,286
2033	(131,287)	(77,516)	(8)	(25,615)	(5)	(98,263)	69,938
2034	(164,138)	(82,874)	(8)	(33,033)	(7)	(112,893)	64,509
2035	(163,392)	(56,259)	(5)	(27,002)	(6)	(132,839)	52,551
2036	(145,165)	(62,004)	(6)	(36,168)	(7)	(119,131)	71,993
2037	(118,427)	14,989	1	(23,933)	(5)	(154,702)	45,081
2038	(89,744)	32,746	3	(17,684)	(4)	(154,746)	49,806
2039	(47,781)	40,369	3	(2,507)	(1)	(145,263)	59,476
2040	(38,724)	45,532	3	8,385	2	(158,064)	65,275

Note: Negative portfolio generation costs in the EWD scenario result from how NIPSCO accounts for the Clean Energy Standard for modeling purposes. In Aurora, every "clean" MWh is assumed to receive a credit for a sale at the REC or "CEC" price. NIPSCO then "buys back" its load requirement through the "Gross REC Purchase Cost" line item in the Rev Req Components tabs, resulting in a net customer cost benefit only accruing for clean energy *above* the standard.

Portfolio Summary

Component	Description
Portfolio Generation Cost	The total variable costs associated with operating the portfolio, including fuel, emissions, VOM, contract (PPA) costs, and net market purchases from the MISO energy market
Resource Cost	The sum of all variable costs associated with owned generating assets, including fuel, emissions, and VOM
Contract Purchases Cost	The sum of all contract or PPA costs plus costs associated with new DSM programs
Market Sales Cost	Costs associated with energy market sales to MISO
Market Purchases Cost	Costs associated with energy market purchases from MISO

Portfolio Name:	Replacement D
Scenario	Reference

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,831	281,995	26	103,952	57	(85,158)	38,042
2022	316,129	236,327	23	114,186	58	(73,894)	39,465
2023	306,878	202,003	20	170,388	49	(101,401)	35,467
2024	246,375	172,294	16	188,062	42	(144,497)	30,100
2025	250,013	167,473	16	184,770	41	(138,061)	35,391
2026	300,063	152,308	17	260,639	42	(182,582)	66,056
2027	305,177	132,656	16	262,871	42	(166,539)	72,488
2028	319,738	114,723	15	266,720	42	(156,685)	91,155
2029	298,466	140,438	18	244,574	39	(169,852)	79,083
2030	291,909	138,567	17	258,967	39	(193,524)	83,908
2031	293,488	142,374	17	268,011	39	(203,474)	82,623
2032	294,970	146,149	18	268,123	39	(206,020)	82,585
2033	290,527	148,943	18	276,977	39	(224,105)	84,797
2034	282,959	154,029	18	280,749	39	(239,387)	83,608
2035	275,582	157,328	19	281,846	39	(251,002)	83,607
2036	269,168	140,850	17	269,179	37	(247,191)	102,594
2037	268,763	171,673	20	267,787	38	(260,949)	86,458
2038	283,496	182,852	21	265,882	38	(260,250)	91,306
2039	289,202	199,358	22	240,663	38	(259,202)	104,645
2040	278,096	209,077	22	240,976	38	(281,375)	105,715

Portfolio Name:	Replacement D
Scenario	Aggressive Environmental Regulation

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,215	282,542	26	103,952	57	(85,953)	37,674
2022	322,327	242,616	23	114,187	58	(74,019)	39,499
2023	316,257	190,505	20	170,598	49	(90,784)	45,495
2024	272,038	187,105	19	188,066	42	(148,512)	44,967
2025	282,514	168,623	19	184,848	41	(132,166)	60,847
2026	316,607	123,840	16	262,370	42	(165,624)	92,737
2027	325,770	98,775	15	263,039	42	(152,314)	112,763
2028	348,293	87,716	14	270,392	42	(143,371)	130,152
2029	349,285	107,843	16	251,609	40	(139,421)	125,895
2030	341,574	114,521	17	261,452	40	(172,212)	134,489
2031	347,200	147,179	20	271,306	40	(207,643)	132,853
2032	360,891	179,705	24	274,627	40	(232,982)	135,999
2033	350,872	206,583	27	283,570	40	(288,104)	145,363
2034	344,703	219,603	29	284,145	39	(324,061)	161,520
2035	337,955	222,329	29	288,625	40	(361,042)	184,626
2036	352,426	180,671	25	276,378	38	(327,192)	219,215
2037	364,569	224,858	30	275,561	39	(339,453)	200,237
2038	390,815	217,525	30	274,088	40	(330,134)	225,955
2039	421,833	222,037	30	247,647	40	(319,146)	267,907
2040	392,985	222,017	28	248,247	40	(357,860)	277,264

Portfolio Name:	Replacement D
Scenario	Status Quo Extended

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	337,115	282,032	26	103,952	57	(86,288)	37,420
2022	307,229	230,615	22	114,185	58	(74,868)	37,251
2023	261,046	202,247	19	169,694	48	(127,132)	15,875
2024	201,208	172,630	15	188,141	42	(170,053)	10,153
2025	204,391	164,857	15	184,868	41	(157,948)	12,272
2026	244,461	127,410	13	260,506	42	(174,293)	27,512
2027	250,307	111,688	12	262,939	42	(154,410)	26,483
2028	263,782	94,364	12	266,264	42	(140,185)	39,586
2029	239,167	113,765	13	243,768	39	(151,106)	28,816
2030	238,536	110,203	12	257,386	39	(165,179)	32,295
2031	241,121	115,482	13	265,976	39	(172,980)	28,897
2032	240,963	116,765	13	265,952	39	(173,985)	28,424
2033	242,524	118,396	13	274,759	39	(181,619)	27,217
2034	240,769	116,213	13	280,705	39	(189,701)	29,548
2035	236,219	121,121	13	281,839	39	(198,603)	28,053
2036	230,967	103,397	12	269,075	37	(185,924)	40,689
2037	227,358	125,263	13	267,244	37	(197,973)	29,090
2038	235,120	121,127	13	264,707	38	(189,719)	35,301
2039	226,342	132,233	14	238,119	38	(186,237)	38,556
2040	216,874	138,264	14	238,469	38	(202,709)	39,166

Portfolio Name:	Replacement D
Scenario	Economy-Wide Decarbonization

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,623	279,553	25	103,755	57	(83,155)	38,470
2022	310,568	215,545	21	114,027	58	(65,701)	46,696
2023	269,101	171,836	17	140,885	40	(85,199)	41,491
2024	201,547	127,518	12	156,116	35	(121,074)	38,790
2025	217,907	119,401	12	157,038	35	(105,440)	46,653
2026	187,329	42,530	5	187,863	30	(121,115)	76,073
2027	121,046	(21,993)	(3)	146,947	24	(98,441)	93,055
2028	58,280	(88,101)	(13)	110,473	18	(77,915)	112,054
2029	(34,768)	(125,357)	(18)	47,042	8	(65,598)	107,733
2030	(119,686)	(171,692)	(24)	14,386	2	(76,843)	112,842
2031	(150,804)	(180,956)	(23)	1,263	0	(86,125)	113,565
2032	(184,534)	(201,903)	(26)	(17,935)	(3)	(82,349)	115,726
2033	(222,077)	(223,134)	(29)	(30,632)	(4)	(92,175)	121,973
2034	(262,004)	(236,025)	(29)	(52,658)	(7)	(97,965)	122,902
2035	(264,341)	(224,684)	(26)	(45,028)	(6)	(112,509)	116,078
2036	(246,403)	(241,859)	(30)	(45,905)	(6)	(111,156)	150,879
2037	(205,326)	(183,037)	(20)	(27,147)	(4)	(128,149)	131,395
2038	(169,928)	(174,775)	(19)	(18,923)	(3)	(129,323)	151,513
2039	(124,219)	(171,138)	(18)	(765)	(0)	(131,047)	177,050
2040	(122,664)	(176,639)	(18)	15,668	3	(149,589)	186,096

Note: Negative portfolio generation costs in the EWD scenario result from how NIPSCO accounts for the Clean Energy Standard for modeling purposes. In Aurora, every "clean" MWh is assumed to receive a credit for a sale at the REC or "CEC" price. NIPSCO then "buys back" its load requirement through the "Gross REC Purchase Cost" line item in the Rev Req Components tabs, resulting in a net customer cost benefit only accruing for clean energy *above* the standard.

Portfolio Summary

Component	Description
Portfolio Generation Cost	The total variable costs associated with operating the portfolio, including fuel, emissions, VOM, contract (PPA) costs, and net market purchases from the MISO energy market
Resource Cost	The sum of all variable costs associated with owned generating assets, including fuel, emissions, and VOM
Contract Purchases Cost	The sum of all contract or PPA costs plus costs associated with new DSM programs
Market Sales Cost	Costs associated with energy market sales to MISO
Market Purchases Cost	Costs associated with energy market purchases from MISO

Portfolio Name:	Replacement E
Scenario	Reference

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,831	281,995	26	103,952	57	(85,158)	38,042
2022	316,129	236,327	23	114,186	58	(73,894)	39,465
2023	306,878	202,003	20	170,388	49	(101,401)	35,467
2024	248,331	172,294	16	191,833	42	(145,839)	29,627
2025	252,014	167,473	16	190,048	42	(141,363)	35,436
2026	291,068	152,308	18	217,840	42	(149,547)	69,763
2027	299,537	132,656	16	223,242	41	(136,940)	79,548
2028	313,666	114,723	15	226,404	41	(126,605)	98,095
2029	292,710	140,438	18	204,054	37	(139,905)	87,011
2030	288,967	138,291	17	214,769	37	(155,471)	90,253
2031	291,725	141,937	18	221,443	37	(160,278)	87,489
2032	292,917	145,722	18	221,463	37	(164,536)	89,100
2033	296,300	147,771	19	221,322	37	(165,001)	91,048
2034	298,729	152,421	19	219,244	36	(166,685)	92,583
2035	287,364	156,194	19	234,586	37	(194,522)	89,963
2036	274,658	140,018	18	228,824	35	(202,753)	107,423
2037	269,881	170,830	20	224,806	35	(222,343)	95,420
2038	282,538	181,995	21	222,198	35	(224,918)	102,098
2039	287,589	198,488	22	195,563	35	(222,890)	115,252
2040	283,083	207,650	22	195,858	35	(236,234)	114,639

Portfolio Name:	Replacement E
Scenario	Aggressive Environmental Regulation

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,215	282,542	26	103,952	57	(85,953)	37,674
2022	322,327	242,616	23	114,187	58	(74,019)	39,499
2023	316,257	190,505	20	170,598	49	(90,784)	45,495
2024	273,971	187,105	19	191,232	43	(149,387)	44,608
2025	284,665	168,623	19	188,816	42	(132,955)	59,836
2026	308,569	123,840	16	217,133	42	(129,396)	96,356
2027	323,804	98,775	15	222,594	41	(117,901)	119,389
2028	342,841	87,716	14	225,471	41	(106,905)	135,606
2029	337,893	107,843	17	203,021	37	(103,321)	129,347
2030	337,894	114,246	17	212,150	37	(125,450)	135,942
2031	346,472	146,742	21	218,000	37	(152,281)	132,940
2032	357,923	179,278	24	218,268	37	(178,806)	138,085
2033	372,934	205,411	28	220,292	37	(203,344)	149,501
2034	395,187	217,995	30	221,857	37	(218,400)	172,677
2035	378,417	221,195	30	239,950	38	(277,766)	193,988
2036	375,256	179,839	26	231,966	36	(261,900)	224,315
2037	378,976	224,015	31	230,377	36	(285,479)	209,025
2038	403,182	216,667	31	229,087	37	(280,649)	237,037
2039	432,125	221,166	31	201,250	36	(267,160)	275,822
2040	421,369	220,589	29	202,673	37	(287,013)	284,093

Portfolio Name:	Replacement E
Scenario	Status Quo Extended

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	337,115	282,032	26	103,952	57	(86,288)	37,420
2022	307,229	230,615	22	114,185	58	(74,868)	37,251
2023	261,046	202,247	19	169,694	48	(127,132)	15,875
2024	202,679	172,630	15	192,966	42	(172,823)	9,569
2025	205,798	164,857	15	192,894	42	(163,618)	11,323
2026	226,164	127,410	13	221,025	41	(150,630)	27,689
2027	234,117	111,688	13	226,033	41	(135,438)	30,804
2028	246,728	94,364	12	228,871	41	(121,335)	43,765
2029	222,004	113,765	13	206,290	37	(132,461)	33,309
2030	222,439	109,928	13	216,991	37	(141,628)	36,057
2031	225,151	115,045	13	223,565	37	(146,936)	32,386
2032	224,663	116,338	13	223,674	37	(149,731)	33,271
2033	226,573	117,225	13	223,318	37	(147,674)	32,570
2034	227,040	114,605	13	220,072	36	(144,290)	35,482
2035	225,099	119,987	13	234,597	37	(162,248)	31,632
2036	217,650	102,565	12	228,840	35	(159,117)	44,233
2037	210,632	124,420	14	224,841	35	(174,266)	34,503
2038	217,272	120,269	14	222,215	36	(168,804)	42,443
2039	208,354	131,362	14	195,581	35	(164,351)	44,603
2040	203,037	136,836	14	195,882	35	(174,917)	44,088

Portfolio Name:	Replacement E
Scenario	Economy-Wide Decarbonization

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,623	279,553	25	103,755	57	(83,155)	38,470
2022	310,568	215,545	21	114,027	58	(65,701)	46,696
2023	269,101	171,836	17	140,885	40	(85,199)	41,491
2024	202,956	127,518	12	159,210	35	(122,191)	38,222
2025	216,595	119,401	12	158,934	35	(106,221)	44,226
2026	181,287	42,530	5	155,178	30	(92,507)	75,561
2027	121,532	(21,993)	(3)	122,116	22	(71,555)	92,123
2028	60,207	(88,101)	(13)	90,371	16	(52,926)	109,972
2029	(31,479)	(125,357)	(18)	34,172	6	(44,025)	102,845
2030	(105,051)	(168,734)	(24)	7,610	1	(50,788)	105,947
2031	(129,205)	(175,804)	(23)	(2,256)	(0)	(56,451)	104,420
2032	(164,641)	(196,340)	(26)	(21,250)	(4)	(55,495)	107,504
2033	(172,936)	(206,817)	(28)	(26,211)	(4)	(55,543)	114,679
2034	(182,434)	(211,915)	(28)	(36,615)	(6)	(56,746)	121,922
2035	(208,713)	(208,205)	(25)	(37,071)	(6)	(80,991)	116,658
2036	(214,644)	(230,349)	(29)	(50,410)	(8)	(81,191)	146,421
2037	(177,827)	(172,135)	(20)	(34,518)	(5)	(99,279)	127,243
2038	(143,799)	(164,004)	(19)	(26,822)	(4)	(99,322)	145,497
2039	(97,830)	(160,619)	(18)	(9,476)	(2)	(97,427)	168,826
2040	(83,719)	(160,311)	(17)	5,348	1	(106,754)	177,135

Note: Negative portfolio generation costs in the EWD scenario result from how NIPSCO accounts for the Clean Energy Standard for modeling purposes. In Aurora, every "clean" MWh is assumed to receive a credit for a sale at the REC or "CEC" price. NIPSCO then "buys back" its load requirement through the "Gross REC Purchase Cost" line item in the Rev Req Components tabs, resulting in a net customer cost benefit only accruing for clean energy *above* the standard.

Portfolio Summary

Component	Description
Portfolio Generation Cost	The total variable costs associated with operating the portfolio, including fuel, emissions, VOM, contract (PPA) costs, and net market purchases from the MISO energy market
Resource Cost	The sum of all variable costs associated with owned generating assets, including fuel, emissions, and VOM
Contract Purchases Cost	The sum of all contract or PPA costs plus costs associated with new DSM programs
Market Sales Cost	Costs associated with energy market sales to MISO
Market Purchases Cost	Costs associated with energy market purchases from MISO

Portfolio Name:	Replacement F
Scenario	Reference

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,831	281,995	26	103,952	57	(85,158)	38,042
2022	316,129	236,327	23	114,186	58	(73,894)	39,465
2023	306,878	202,003	20	170,388	49	(101,401)	35,467
2024	248,331	172,294	16	191,833	42	(145,839)	29,627
2025	253,161	167,473	16	190,048	42	(139,782)	35,001
2026	291,092	155,233	18	203,029	42	(137,345)	69,766
2027	298,639	136,905	17	206,897	43	(121,853)	76,277
2028	313,702	119,306	16	209,862	43	(112,361)	96,482
2029	292,526	146,785	18	187,386	39	(125,321)	83,226
2030	289,256	144,722	18	198,092	39	(142,743)	88,748
2031	292,652	147,965	18	204,773	39	(148,301)	87,798
2032	295,260	151,144	19	204,746	38	(149,734)	88,658
2033	301,049	153,334	19	204,636	38	(148,928)	91,595
2034	303,966	158,613	20	202,544	38	(150,865)	93,261
2035	292,246	164,167	20	217,793	38	(183,463)	93,358
2036	281,702	148,997	18	211,940	36	(194,280)	114,665
2037	277,378	179,481	21	207,886	36	(202,334)	91,954
2038	291,188	193,131	22	205,197	36	(201,760)	94,244
2039	297,493	210,758	23	178,489	36	(199,570)	107,434
2040	294,179	220,463	23	178,679	36	(213,555)	108,219

Portfolio Name:	Replacement F
Scenario	Aggressive Environmental Regulation

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,215	282,542	26	103,952	57	(85,953)	37,674
2022	322,327	242,616	23	114,187	58	(74,019)	39,499
2023	316,257	190,505	20	170,598	49	(90,784)	45,495
2024	273,971	187,105	19	191,232	43	(149,387)	44,608
2025	285,686	168,623	19	188,816	42	(132,840)	60,742
2026	309,397	124,346	16	202,301	42	(117,682)	100,069
2027	324,350	100,025	15	206,194	43	(103,859)	121,607
2028	345,010	88,644	14	208,884	43	(94,834)	141,953
2029	342,337	110,373	17	186,348	38	(92,875)	138,147
2030	344,070	117,061	17	195,448	38	(115,978)	147,197
2031	356,169	151,011	21	201,330	38	(141,645)	145,118
2032	376,641	185,904	25	203,733	38	(161,839)	148,485
2033	398,449	211,796	28	206,058	38	(179,341)	159,587
2034	423,959	224,049	31	207,258	38	(193,775)	186,080
2035	410,679	229,117	31	224,905	39	(257,469)	213,788
2036	415,788	187,371	27	219,591	37	(245,926)	254,423
2037	419,159	231,308	32	214,747	37	(247,169)	219,943
2038	440,294	222,336	31	213,125	38	(238,517)	243,022
2039	470,924	226,043	31	184,975	37	(227,642)	287,218
2040	458,643	223,467	29	186,049	38	(250,028)	298,831

Portfolio Name:	Replacement F
Scenario	Status Quo Extended

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	337,115	282,032	26	103,952	57	(86,288)	37,420
2022	307,229	230,615	22	114,185	58	(74,868)	37,251
2023	261,046	202,247	19	169,694	48	(127,132)	15,875
2024	202,679	172,630	15	192,966	42	(172,823)	9,569
2025	206,797	164,857	15	192,894	42	(162,773)	11,477
2026	222,028	134,683	14	206,223	42	(145,150)	25,906
2027	228,525	121,103	13	209,708	42	(127,893)	25,216
2028	241,572	103,939	12	212,354	42	(113,604)	38,481
2029	216,058	123,954	14	189,633	38	(125,492)	27,536
2030	216,578	119,933	13	200,301	39	(135,577)	31,504
2031	219,576	124,469	14	206,868	39	(140,265)	28,101
2032	219,978	125,333	14	206,935	38	(140,712)	28,010
2033	223,567	126,824	14	206,635	38	(137,261)	26,977
2034	224,166	124,112	14	203,370	38	(135,146)	31,409
2035	221,533	130,009	14	217,792	38	(154,984)	28,324
2036	215,058	111,898	13	211,935	36	(152,216)	43,054
2037	208,120	133,610	14	207,888	36	(162,401)	28,635
2038	214,538	129,124	14	205,191	36	(155,672)	35,514
2039	206,515	141,673	15	178,491	36	(152,445)	38,417
2040	201,455	147,283	15	178,674	36	(163,467)	38,587

Portfolio Name:	Replacement F
Scenario	Economy-Wide Decarbonization

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,623	279,553	25	103,755	57	(83,155)	38,470
2022	310,568	215,545	21	114,027	58	(65,701)	46,696
2023	269,101	171,836	17	140,885	40	(85,199)	41,491
2024	202,956	127,518	12	159,210	35	(122,191)	38,222
2025	219,896	119,401	12	160,889	36	(106,768)	46,119
2026	182,531	44,286	5	143,689	30	(85,498)	79,869
2027	126,327	(19,239)	(3)	113,274	23	(64,794)	96,942
2028	69,111	(85,715)	(13)	84,462	17	(48,068)	118,269
2029	(18,060)	(121,169)	(17)	31,054	6	(39,575)	111,499
2030	(88,647)	(163,842)	(23)	6,203	1	(47,511)	116,353
2031	(111,415)	(169,611)	(22)	(3,142)	(1)	(53,395)	114,603
2032	(138,776)	(189,959)	(25)	(16,595)	(3)	(51,125)	118,732
2033	(144,035)	(201,199)	(27)	(21,505)	(4)	(48,436)	126,935
2034	(152,312)	(205,537)	(27)	(31,523)	(6)	(50,187)	134,783
2035	(179,492)	(199,188)	(24)	(32,804)	(6)	(76,850)	129,194
2036	(180,546)	(221,110)	(27)	(43,005)	(7)	(80,544)	163,968
2037	(148,700)	(159,324)	(18)	(32,551)	(6)	(91,355)	134,391
2038	(117,154)	(147,923)	(16)	(25,447)	(5)	(90,518)	146,601
2039	(71,605)	(142,802)	(15)	(8,869)	(2)	(91,152)	171,073
2040	(58,854)	(142,451)	(15)	4,951	1	(102,195)	180,693

Note: Negative portfolio generation costs in the EWD scenario result from how NIPSCO accounts for the Clean Energy Standard for modeling purposes. In Aurora, every "clean" MWh is assumed to receive a credit for a sale at the REC or "CEC" price. NIPSCO then "buys back" its load requirement through the "Gross REC Purchase Cost" line item in the Rev Req Components tabs, resulting in a net customer cost benefit only accruing for clean energy *above* the standard.

Portfolio Summary

Component	Description
Portfolio Generation Cost	The total variable costs associated with operating the portfolio, including fuel, emissions, VOM, contract (PPA) costs, and net market purchases
Resource Cost	The sum of all variable costs associated with owned generating assets, including fuel, emissions, and VOM
Contract Purchases Cost	The sum of all contract or PPA costs plus costs associated with new DSM programs
Market Sales Cost	Costs associated with energy market sales to MISO
Market Purchases Cost	Costs associated with energy market purchases from MISO

Portfolio Name:	Replacement G
Scenario	Reference

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,831	281,995	26	103,952	57	(85,158)	38,042
2022	316,129	236,327	23	114,186	58	(73,894)	39,465
2023	306,878	202,003	20	170,388	49	(101,401)	35,467
2024	246,375	172,294	16	188,062	42	(144,497)	30,100
2025	250,013	167,473	16	184,770	41	(138,061)	35,391
2026	300,242	152,308	17	265,215	42	(186,859)	65,937
2027	310,086	119,005	15	267,519	42	(160,406)	80,267
2028	323,911	102,022	14	271,449	42	(152,030)	98,644
2029	303,822	124,812	17	249,451	39	(162,766)	88,102
2030	297,239	123,828	16	263,982	39	(187,240)	92,678
2031	298,915	126,787	16	273,120	39	(196,498)	91,552
2032	294,174	60,840	9	309,538	41	(212,219)	131,883
2033	283,416	15,310	2	338,272	41	(232,770)	158,690
2034	270,501	16,112	2	353,754	41	(265,540)	162,214
2035	257,187	18,109	3	377,721	42	(310,425)	167,981
2036	241,045	19,233	3	377,004	41	(333,500)	174,572
2037	243,711	19,493	3	373,946	41	(331,741)	178,220
2038	259,352	19,817	3	371,960	42	(328,474)	192,344
2039	271,754	20,658	3	346,842	42	(322,745)	223,261
2040	271,057	21,904	3	347,442	42	(334,289)	232,297

Portfolio Name:	Replacement G
Scenario	Aggressive Environmental Regulation

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,215	282,542	26	103,952	57	(85,953)	37,674
2022	322,327	242,616	23	114,187	58	(74,019)	39,499
2023	316,257	190,505	20	170,598	49	(90,784)	45,495
2024	272,038	187,105	19	188,066	42	(148,512)	44,967
2025	282,514	168,623	19	184,848	41	(132,166)	60,847
2026	316,887	123,840	16	267,263	42	(170,064)	92,563
2027	330,031	79,513	13	268,110	42	(144,637)	123,535
2028	352,151	70,145	12	275,961	43	(137,086)	139,726
2029	354,240	90,873	15	257,485	40	(133,722)	136,246
2030	346,289	98,819	15	267,593	40	(167,668)	144,220
2031	352,484	127,236	18	277,530	40	(200,706)	144,918
2032	346,164	61,643	10	324,962	43	(248,167)	204,184
2033	316,787	14,729	2	355,080	43	(311,195)	254,714
2034	289,583	15,468	2	374,120	44	(386,513)	283,012
2035	242,993	17,312	2	399,569	44	(489,698)	312,393
2036	250,138	18,245	3	398,951	43	(488,860)	318,448
2037	262,485	18,413	3	392,853	43	(479,398)	327,252
2038	274,895	18,618	3	391,818	44	(480,109)	341,186
2039	317,020	19,483	3	366,986	45	(463,109)	390,272
2040	294,169	20,893	3	369,674	45	(497,493)	397,778

Portfolio Name:	Replacement G
Scenario	Status Quo Extended

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	337,115	282,032	26	103,952	57	(86,288)	37,420
2022	307,229	230,615	22	114,185	58	(74,868)	37,251
2023	261,046	202,247	19	169,694	48	(127,132)	15,875
2024	201,208	172,630	15	188,141	42	(170,053)	10,153
2025	204,391	164,857	15	184,868	41	(157,948)	12,272
2026	245,666	127,410	13	265,057	42	(177,602)	27,475
2027	256,428	101,910	12	267,477	42	(147,916)	31,350
2028	269,278	86,351	11	271,036	42	(135,413)	43,551
2029	245,635	103,920	12	248,592	39	(144,470)	33,669
2030	244,866	101,124	12	262,226	39	(159,177)	36,863
2031	247,522	104,948	12	270,822	39	(166,058)	34,065
2032	260,972	52,388	7	304,133	40	(166,162)	66,808
2033	273,101	15,304	2	333,293	40	(167,037)	87,770
2034	270,431	16,112	3	349,152	41	(186,994)	88,158
2035	271,276	18,109	3	373,043	41	(212,328)	88,642
2036	261,284	19,233	3	370,797	40	(222,183)	89,706
2037	261,561	19,493	3	367,543	40	(219,761)	90,552
2038	267,149	19,817	3	364,976	41	(216,011)	94,663
2039	265,564	20,658	3	338,903	41	(208,041)	110,374
2040	261,373	21,904	3	339,055	41	(217,882)	114,611

Portfolio Name:	Replacement G
Scenario	Economy-Wide Decarbonization

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,623	279,553	25	103,755	57	(83,155)	38,470
2022	310,568	215,545	21	114,027	58	(65,701)	46,696
2023	269,101	171,836	17	140,885	40	(85,199)	41,491
2024	201,547	127,518	12	156,116	35	(121,074)	38,790
2025	217,907	119,401	12	157,038	35	(105,440)	46,653
2026	187,185	42,530	5	191,227	30	(124,447)	75,897
2027	123,571	(33,248)	(5)	149,552	24	(95,087)	100,875
2028	59,520	(97,409)	(15)	112,512	18	(76,360)	119,008
2029	(33,112)	(136,943)	(21)	48,278	8	(63,393)	117,533
2030	(118,260)	(182,913)	(26)	15,157	2	(74,881)	122,756
2031	(148,876)	(193,656)	(26)	1,816	0	(83,933)	125,448
2032	(245,908)	(304,760)	(46)	(15,473)	(2)	(95,044)	167,442
2033	(332,349)	(377,350)	(59)	(36,665)	(4)	(111,839)	191,615
2034	(394,149)	(412,708)	(62)	(57,565)	(7)	(131,381)	205,763
2035	(432,207)	(433,347)	(61)	(59,327)	(7)	(163,757)	222,422
2036	(435,128)	(432,163)	(59)	(61,382)	(7)	(177,642)	234,421
2037	(381,917)	(410,806)	(57)	(41,296)	(5)	(185,502)	254,073
2038	(346,498)	(406,556)	(56)	(31,669)	(4)	(187,987)	278,134
2039	(283,750)	(405,230)	(55)	(10,553)	(1)	(186,106)	316,459
2040	(258,133)	(402,412)	(54)	12,216	2	(198,405)	328,668

Note: Negative portfolio generation costs in the EWD scenario result from how NIPSCO accounts for the Clean Energy Standard for modeling purposes. In Aurora, every "clean" MWh is assumed to receive a credit for a sale at the REC or "CEC" price. NIPSCO then "buys back" its load requirement through the "Gross REC Purchase Cost" line item in the Rev Req Components tabs, resulting in a net customer cost benefit only accruing for clean energy *above* the standard.

Portfolio Summary

Component	Description
Portfolio Generation Cost	The total variable costs associated with operating the portfolio, including fuel, emissions, VOM, contract (PPA) costs, and net market purchases from the MISO energy market
Resource Cost	The sum of all variable costs associated with owned generating assets, including fuel, emissions, and VOM
Contract Purchases Cost	The sum of all contract or PPA costs plus costs associated with new DSM programs
Market Sales Cost	Costs associated with energy market sales to MISO
Market Purchases Cost	Costs associated with energy market purchases from MISO

Portfolio Name:	Replacement H
Scenario	Reference

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,831	281,995	26	103,952	57	(85,158)	38,042
2022	316,129	236,327	23	114,186	58	(73,894)	39,465
2023	306,878	202,003	20	170,388	49	(101,401)	35,467
2024	246,375	172,294	16	188,062	42	(144,497)	30,100
2025	249,643	167,473	16	186,096	40	(141,696)	37,056
2026	291,431	152,308	18	243,536	41	(165,549)	60,137
2027	302,154	119,005	16	247,595	40	(142,854)	77,069
2028	314,703	102,022	14	250,914	40	(132,722)	93,124
2029	293,932	124,812	17	228,375	37	(145,471)	84,771
2030	286,618	123,828	16	242,267	37	(167,182)	86,235
2031	286,845	126,787	16	251,014	37	(175,236)	82,787
2032	279,685	60,317	9	276,612	38	(187,007)	128,235
2033	276,658	13,725	2	292,069	38	(189,737)	159,068
2034	278,625	13,363	2	292,383	38	(191,995)	163,333
2035	269,437	14,838	2	309,347	38	(218,272)	162,006
2036	250,693	15,905	3	306,600	37	(239,871)	166,530
2037	253,622	16,120	3	304,427	37	(249,560)	181,077
2038	265,625	16,388	3	301,685	38	(253,526)	199,516
2039	270,747	17,709	3	274,873	38	(248,079)	224,671
2040	264,609	19,247	3	275,195	38	(261,032)	229,629

Portfolio Name:	Replacement H
Scenario	Aggressive Environmental Regulation

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,215	282,542	26	103,952	57	(85,953)	37,674
2022	322,327	242,616	23	114,187	58	(74,019)	39,499
2023	316,257	190,505	20	170,598	49	(90,784)	45,495
2024	272,038	187,105	19	188,066	42	(148,512)	44,967
2025	282,365	168,623	19	186,212	41	(133,240)	60,172
2026	307,133	123,840	16	243,624	41	(143,877)	82,635
2027	322,900	79,513	13	247,706	40	(120,166)	114,618
2028	339,313	70,145	12	251,032	40	(109,676)	126,565
2029	332,884	90,873	15	229,019	37	(108,741)	120,402
2030	325,164	98,819	15	240,240	37	(139,015)	123,781
2031	328,014	127,236	18	248,628	37	(170,258)	120,978
2032	305,622	61,121	10	273,180	37	(214,825)	184,679
2033	294,793	13,144	2	292,062	38	(253,026)	241,177
2034	302,549	12,719	2	296,980	39	(277,724)	269,160
2035	268,906	14,042	2	315,883	39	(351,262)	288,838
2036	257,540	14,917	2	311,296	38	(360,378)	290,315
2037	264,300	15,040	2	307,736	38	(372,192)	312,323
2038	279,504	15,189	3	306,656	39	(378,774)	335,037
2039	304,779	16,534	3	278,981	38	(369,141)	377,000
2040	288,088	18,235	3	280,776	39	(393,824)	381,523

Portfolio Name:	Replacement H
Scenario	Status Quo Extended

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	337,115	282,032	26	103,952	57	(86,288)	37,420
2022	307,229	230,615	22	114,185	58	(74,868)	37,251
2023	261,046	202,247	19	169,694	48	(127,132)	15,875
2024	201,208	172,630	15	188,141	42	(170,053)	10,153
2025	204,274	164,857	15	186,182	41	(159,936)	12,544
2026	232,912	127,410	13	243,561	41	(162,810)	23,778
2027	244,029	101,910	12	247,585	40	(138,556)	31,741
2028	255,704	86,351	11	250,887	40	(125,216)	42,288
2029	231,792	103,920	12	228,381	37	(136,011)	34,063
2030	231,174	101,124	12	242,307	37	(149,165)	35,479
2031	233,213	104,948	12	251,070	37	(156,481)	32,239
2032	244,343	51,865	8	276,677	38	(153,742)	68,081
2033	254,537	13,720	2	292,031	38	(144,191)	91,473
2034	254,971	13,363	2	292,378	38	(144,491)	92,175
2035	255,222	14,838	3	309,364	38	(158,119)	87,637
2036	243,209	15,905	3	306,627	37	(168,762)	87,937
2037	244,200	16,120	3	304,479	38	(172,038)	94,133
2038	248,465	16,388	3	301,714	38	(173,165)	101,996
2039	241,508	17,709	3	274,899	38	(167,232)	114,585
2040	235,898	19,247	3	275,233	38	(175,900)	115,786

Portfolio Name:	Replacement H
Scenario	Economy-Wide Decarbonization

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,623	279,553	25	103,755	57	(83,155)	38,470
2022	310,568	215,545	21	114,027	58	(65,701)	46,696
2023	269,101	171,836	17	140,885	40	(85,199)	41,491
2024	201,547	127,518	12	156,116	35	(121,074)	38,790
2025	213,812	119,401	12	154,936	34	(105,419)	44,313
2026	177,025	42,530	5	172,451	29	(102,968)	64,146
2027	113,417	(33,248)	(5)	132,706	21	(74,253)	87,022
2028	46,393	(97,409)	(15)	96,932	15	(56,067)	101,681
2029	(51,452)	(136,943)	(21)	34,724	6	(47,527)	97,029
2030	(138,180)	(182,913)	(27)	2,841	0	(57,478)	98,074
2031	(169,965)	(193,656)	(26)	(9,832)	(1)	(64,816)	97,073
2032	(266,528)	(297,957)	(47)	(35,290)	(5)	(72,323)	137,720
2033	(319,373)	(355,285)	(61)	(47,879)	(6)	(79,792)	162,233
2034	(333,804)	(371,492)	(64)	(58,777)	(8)	(79,904)	175,067
2035	(356,082)	(385,833)	(63)	(58,612)	(7)	(99,555)	186,651
2036	(364,221)	(386,125)	(61)	(66,202)	(8)	(107,581)	194,432
2037	(312,744)	(367,198)	(58)	(49,286)	(6)	(116,918)	219,432
2038	(276,013)	(363,473)	(58)	(40,417)	(5)	(118,430)	245,095
2039	(225,316)	(369,598)	(57)	(21,057)	(3)	(112,694)	276,805
2040	(206,880)	(372,015)	(55)	(2,633)	(0)	(120,227)	286,776

Note: Negative portfolio generation costs in the EWD scenario result from how NIPSCO accounts for the Clean Energy Standard for modeling purposes. In Aurora, every "clean" MWh is assumed to receive a credit for a sale at the REC or "CEC" price. NIPSCO then "buys back" its load requirement through the "Gross REC Purchase Cost" line item in the Rev Req Components tabs, resulting in a net customer cost benefit only accruing for clean energy *above* the standard.

Portfolio Summary

Component	Description
Portfolio Generation Cost	The total variable costs associated with operating the portfolio, including fuel, emissions, VOM, contract (PPA) costs, and net market purchases from the MISO energy market
Resource Cost	The sum of all variable costs associated with owned generating assets, including fuel, emissions, and VOM
Contract Purchases Cost	The sum of all contract or PPA costs plus costs associated with new DSM programs
Market Sales Cost	Costs associated with energy market sales to MISO
Market Purchases Cost	Costs associated with energy market purchases from MISO

Portfolio Name:	Replacement I
Scenario	Reference

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,831	281,995	26	103,952	57	(85,158)	38,042
2022	316,129	236,327	23	114,186	58	(73,894)	39,465
2023	306,878	202,003	20	170,388	49	(101,401)	35,467
2024	246,436	172,294	16	188,123	42	(144,497)	30,100
2025	270,482	167,473	16	213,335	45	(147,441)	36,402
2026	322,001	157,004	18	277,883	47	(170,347)	56,757
2027	328,630	136,893	17	280,687	47	(153,486)	63,814
2028	342,359	118,342	16	284,824	47	(141,791)	80,253
2029	320,883	145,020	18	264,072	44	(158,279)	69,290
2030	314,252	142,957	18	278,433	44	(180,458)	72,538
2031	315,769	147,215	18	287,436	44	(189,423)	69,765
2032	317,856	151,153	19	287,868	43	(192,268)	70,297
2033	322,210	153,313	19	288,554	43	(191,809)	71,367
2034	325,200	157,684	19	290,312	43	(195,686)	72,100
2035	313,611	162,095	19	309,093	44	(228,609)	70,265
2036	303,608	145,098	18	308,159	43	(236,493)	86,080
2037	302,727	176,959	21	306,898	43	(252,818)	70,908
2038	314,335	187,902	22	307,817	44	(255,819)	73,663
2039	319,501	204,860	23	282,960	45	(253,554)	84,457
2040	315,096	214,148	23	284,423	45	(268,096)	83,849

Portfolio Name:	Replacement I
Scenario	Aggressive Environmental Regulation

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,215	282,542	26	103,952	57	(85,953)	37,674
2022	322,327	242,616	23	114,187	58	(74,019)	39,499
2023	316,257	190,505	20	170,598	49	(90,784)	45,495
2024	272,093	187,105	19	188,128	42	(148,515)	44,963
2025	301,576	168,623	19	211,967	45	(138,109)	58,496
2026	333,191	132,831	17	275,258	46	(152,860)	77,326
2027	346,419	101,929	15	278,222	46	(133,745)	99,349
2028	364,866	90,478	14	282,243	46	(121,834)	113,322
2029	359,407	111,429	17	261,940	43	(121,256)	106,621
2030	351,700	116,174	17	274,934	43	(152,241)	112,158
2031	354,004	149,011	21	284,930	43	(188,044)	107,395
2032	364,344	181,631	24	291,641	44	(218,638)	108,984
2033	386,554	208,608	28	305,127	46	(243,778)	115,886
2034	405,319	220,359	30	311,046	46	(263,201)	136,413
2035	382,715	224,218	30	332,430	47	(330,471)	155,843
2036	390,011	182,520	26	330,542	46	(311,103)	187,370
2037	395,171	226,932	31	327,873	46	(326,034)	165,716
2038	415,288	223,803	31	325,428	47	(319,897)	185,270
2039	436,801	252,165	33	298,041	47	(316,412)	202,317
2040	408,977	289,318	34	296,628	48	(361,611)	183,967

Portfolio Name:	Replacement I
Scenario	Status Quo Extended

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	337,115	282,032	26	103,952	57	(86,288)	37,420
2022	307,229	230,615	22	114,185	58	(74,868)	37,251
2023	261,046	202,247	19	169,694	48	(127,132)	15,875
2024	201,269	172,630	15	188,202	42	(170,053)	10,153
2025	221,239	164,857	15	217,716	44	(173,430)	11,470
2026	260,515	131,759	14	280,908	45	(173,203)	20,382
2027	267,870	116,211	13	282,976	46	(153,841)	21,814
2028	280,841	98,255	12	286,700	46	(137,341)	32,495
2029	256,774	118,691	14	264,971	43	(151,491)	23,839
2030	256,868	114,959	13	279,180	43	(164,463)	26,437
2031	260,197	120,534	13	288,302	43	(172,563)	23,178
2032	260,974	122,123	14	288,972	43	(174,076)	23,193
2033	264,152	123,132	14	289,578	43	(171,056)	21,736
2034	266,110	120,314	14	290,521	43	(169,714)	24,193
2035	265,360	126,311	14	308,518	43	(191,262)	21,030
2036	261,786	108,080	13	306,074	42	(184,844)	31,718
2037	259,035	131,089	14	304,846	42	(199,386)	21,725
2038	266,442	126,886	14	302,854	43	(192,040)	27,977
2039	257,841	138,508	15	278,105	43	(188,781)	29,241
2040	252,851	144,150	15	279,201	44	(200,126)	28,863

Portfolio Name:	Replacement I
Scenario	Economy-Wide Decarbonization

Year	Portfolio Generation Cost ($000s)	Resource Cost - without FOM ($000s)	Resource Cost - without FOM ($/MWh)	Contract Purchases Cost ($000s)	Contract Purchases Cost ($/MWh)	Market Sales Cost ($000s)	Market Purchases Cost ($000s)
2021	338,623	279,553	25	103,755	57	(83,155)	38,470
2022	310,568	215,545	21	114,027	58	(65,701)	46,696
2023	269,101	171,836	17	140,885	40	(85,199)	41,491
2024	201,600	127,518	12	156,175	35	(121,079)	38,788
2025	231,737	119,401	12	180,978	38	(111,578)	42,355
2026	198,648	44,872	5	201,031	33	(108,777)	60,997
2027	133,300	(21,621)	(3)	161,176	27	(83,384)	76,637
2028	67,526	(88,375)	(13)	124,492	20	(62,386)	93,268
2029	(31,662)	(126,107)	(18)	62,974	10	(54,319)	85,281
2030	(119,035)	(172,472)	(24)	30,670	5	(65,595)	87,830
2031	(152,521)	(182,110)	(24)	19,538	3	(74,416)	83,958
2032	(240,436)	(225,250)	(26)	2,870	0	(91,158)	72,548
2033	(309,467)	(272,611)	(28)	4,090	1	(101,305)	59,797
2034	(355,523)	(323,691)	(34)	(4,788)	(1)	(100,743)	73,163
2035	(424,248)	(360,027)	(35)	(3,565)	(0)	(131,758)	70,574
2036	(354,768)	(324,275)	(34)	(6,860)	(1)	(128,917)	104,769
2037	(308,131)	(258,187)	(25)	14,272	2	(148,522)	83,805
2038	(235,324)	(224,130)	(23)	30,362	4	(143,542)	101,494
2039	(155,613)	(190,038)	(19)	53,484	8	(138,233)	118,667
2040	(101,150)	(170,019)	(17)	73,418	11	(138,895)	133,841

Note: Negative portfolio generation costs in the EWD scenario result from how NIPSCO accounts for the Clean Energy Standard for modeling purposes. In Aurora, every "clean" MWh is assumed to receive a credit for a sale at the REC or "CEC" price. NIPSCO then "buys back" its load requirement through the "Gross REC Purchase Cost" line item in the Rev Req Components tabs, resulting in a net customer cost benefit only accruing for clean energy *above* the standard.

Contract Summary

Note that for modeling purposes, congestion expectations are incorporated in contract prices for certain renewable contracts

Portfolio:	Replacements A
Scenario:	Reference

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Purchase 200 MW PY2022/23									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Gap MW_Portfolio A_Ref									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]	-	-	-	-	38	213
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Short Term Capacity #4									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Barton Wind Contract									
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
Buffalo Ridge Contract									
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
DSM_Residential_FiledPlan									
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-
Jordan Creek									
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
23	88	68	74	146	690	1,514	603	1,176	2,612	2,525
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
110,526	107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072

LFIT - Biomass									
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-
LFIT - Biomass FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0									
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-
LFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0									
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-
LFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
22,449	22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
6,162	6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
924	920	-	-	-	-	-	-	-	-	-
150	150	-	-	-	-	-	-	-	-	-
6,193	6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
855	850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-
478	478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	440	441	440	440	440	441	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar									
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Gibson Solar									
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Green River Solar									
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Solar)									
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Storage)									
Contract Energy (MWh)	-	(188)	(3,166)	(3,547)	(3,696)	(4,284)	(4,446)	(4,870)	(5,081)
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA INCR II Wind									
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

430,468	428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]										
594,040	590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]										
466,390	463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]										
212,453	211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]										
(5,234)	(5,419)	(5,438)	(5,515)	(5,559)	(5,604)	(5,680)	(5,686)	(5,776)	(5,759)	(5,799)
[redacted]										
679,945	679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]										

SFIT - Solar FIT 1.0									
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-
SFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0									
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-
SFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

1,084	1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
139	139	138	137	136	136	136	134	134	133	133
24	24	-	-	-	-	-	-	-	-	-
170	170	-	-	-	-	-	-	-	-	-
774	770	768	762	758	755	753	747	744	740	738
121	120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan									
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25
DSM_C&I_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62
DSM_Res Tier 1_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
262	145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-	-
232,227	224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
350,646	333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
64,846	130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
9,999	10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
154	82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	-	159	83	57	44	36
107,240	99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
73,809	104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
10,670	11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
145	110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Gas Peaking P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2030									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2032									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2033									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2034									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
260,638	423,169	421,811	418,766	416,564	414,802	413,428	410,399	408,638	406,436	405,044
12,563	20,397	20,331	20,184	20,078	19,993	19,927	19,781	19,696	19,590	19,523
48	48	48	48	48	48	48	48	48	48	48
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	317,703	516,784	512,999	510,797	508,045	506,305
-	-	-	-	-	16,060	26,123	25,932	25,821	25,682	25,594
-	-	-	-	-	51	51	51	51	51	51

Hydrogen P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P1									
Contract Energy (MWh)	-	-	-	42,545	43,096	27,404	20,665	22,654	27,328
Contract Cost ($000s)	-	-	-	3,771	5,326	4,698	4,421	4,570	4,843
Contract Cost ($/MWh)	-	-	-	89	124	171	214	202	177
Other Thermal P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	2,555	4,464	4,560	4,644
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Solar P1									
Contract Energy (MWh)	-	-	-	-	761	650,606	647,303	645,291	640,698
Contract Cost ($000s)	-	-	-	-	32	27,397	27,523	27,702	27,768
Contract Cost ($/MWh)	-	-	-	-	42	42	43	43	43
Paired Storage P1									
Contract Energy (MWh)	-	-	-	-	(77)	(26,189)	(27,103)	(29,752)	(31,491)
Contract Cost ($000s)	-	-	-	-	36	13,374	13,374	13,374	13,374
Contract Cost ($/MWh)	-	-	-	-	(467)	(511)	(493)	(450)	(425)
Solar P2									
Contract Energy (MWh)	-	-	-	-	-	542,171	539,419	537,743	533,915
Contract Cost ($000s)	-	-	-	-	-	22,392	22,688	23,032	23,279
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44
Storage P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Wind P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
25,380	22,220	18,541	18,211	6,394	-	-	-	-	-	-
4,791	4,665	4,486	4,506	1,851	-	-	-	-	-	-
189	210	242	247	290	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
4,740	4,836	4,932	5,028	5,136	5,232	2,240	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
638,056	634,753	632,716	628,148	624,846	622,204	620,141	615,599	612,956	609,654	607,566
27,590	27,390	27,238	26,985	26,781	26,717	26,685	26,538	26,480	26,392	26,356
43	43	43	43	43	43	43	43	43	43	43
(32,597)	(34,439)	(34,683)	(35,499)	(35,932)	(36,466)	(36,990)	(37,114)	(37,843)	(37,611)	(38,028)
13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374
(410)	(388)	(386)	(377)	(372)	(367)	(362)	(360)	(353)	(356)	(352)
531,713	528,961	527,264	523,457	520,705	518,503	516,784	512,999	510,797	508,045	506,305
23,321	23,343	23,416	23,393	23,416	23,556	23,715	23,783	23,926	24,041	24,206
44	44	44	45	45	45	46	46	47	47	48
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Portfolio:	Replacements A
Scenario:	Aggressive Environmental Regulation

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Purchase 200 MW PY2022/23									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-
Gap MW_Portfolio A_AER									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]	-	-	-	-	-	569
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)									
Contract Energy (MWh)	-			-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-
Contract Cost ($/MWh)	-	-			-	-	-	-	-
Short Term Capacity #4									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)		-	-	-	-	-	-	-	-
Barton Wind Contract									
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
Buffalo Ridge Contract									
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
DSM_Residential_FiledPlan									
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-
Jordan Creek									
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	941	3,074	6,471	10,177	13,246	14,377	13,270	14,458	14,537	14,523
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
110,526	107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072

LFIT - Biomass									
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-
LFIT - Biomass FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0									
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-
LFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0									
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-
LFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
22,449	22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
6,162	6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
924	920	-	-	-	-	-	-	-	-	-
150	150	-	-	-	-	-	-	-	-	-
6,193	6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
855	850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-
478	478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	440	441	440	440	440	441	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar									
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Gibson Solar									
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Green River Solar									
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Solar)									
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Storage)									
Contract Energy (MWh)	-	(225)	(3,459)	(3,636)	(3,800)	(4,243)	(4,434)	(4,861)	(5,437)
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA INCR II Wind									
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

430,468	428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]										
594,040	590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]										
466,390	463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]										
212,453	211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]										
(5,445)	(5,657)	(5,739)	(5,698)	(5,669)	(5,707)	(5,772)	(5,757)	(5,726)	(5,739)	(5,697)
[redacted]										
679,945	679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]										

SFIT - Solar FIT 1.0									
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-
SFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0									
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-
SFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

1,084	1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
139	139	138	137	136	136	136	134	134	133	133
24	24	-	-	-	-	-	-	-	-	-
170	170	-	-	-	-	-	-	-	-	-
774	770	768	762	758	755	753	747	744	740	738
121	120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan									
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25
DSM_C&I_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62
DSM_Res Tier 1_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
262	145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-	-
232,227	224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
350,646	333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
64,846	130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
9,999	10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
154	82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	-	159	83	57	44	36
107,240	99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
73,809	104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
10,670	11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
145	110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Gas Peaking P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2030									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2032									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2033									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2034									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
260,638	423,169	421,811	418,766	416,564	414,802	413,428	410,399	408,638	406,436	405,044
10,405	16,893	16,839	16,717	16,629	16,559	16,504	16,383	16,313	16,225	16,169
40	40	40	40	40	40	40	40	40	40	40
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	317,703	516,784	512,999	510,797	508,045	506,305
-	-	-	-	-	16,060	26,123	25,932	25,821	25,682	25,594
-	-	-	-	-	51	51	51	51	51	51

Hydrogen P1_5 Percent H2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P1_95 Percent Gas									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P1_Full H2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P1									
Contract Energy (MWh)	-	-	-	24,178	11,137	8,538	4,587	2,353	4,421
Contract Cost ($000s)	-	-	-	3,166	4,018	3,923	3,690	3,540	3,701
Contract Cost ($/MWh)	-	-	-	131	361	459	805	1,505	837
Other Thermal P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	2,555	4,464	4,560	4,644
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Solar P1									
Contract Energy (MWh)	-	-	-	-	761	650,606	647,303	645,164	635,386
Contract Cost ($000s)	-	-	-	-	32	27,397	27,523	27,697	27,538
Contract Cost ($/MWh)	-	-	-	-	42	42	43	43	43
Paired Storage P1									
Contract Energy (MWh)	-	-	-	-	(74)	(25,914)	(26,981)	(29,731)	(34,323)
Contract Cost ($000s)	-	-	-	-	36	13,374	13,374	13,374	13,374
Contract Cost ($/MWh)	-	-	-	-	(485)	(516)	(496)	(450)	(390)
Solar P2									
Contract Energy (MWh)	-	-	-	-	-	542,171	539,419	537,743	533,915
Contract Cost ($000s)	-	-	-	-	-	22,392	22,688	23,032	23,279
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44
Storage P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Wind P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3,825	5,055	5,592	4,222	1,508	-	-	-	-	-	-
3,671	3,786	3,840	3,738	1,557	-	-	-	-	-	-
960	749	687	885	1,033	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
4,740	4,836	4,932	5,028	5,136	5,232	2,240	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
625,715	621,539	610,612	602,011	595,995	587,700	580,255	570,992	566,293	565,175	567,016
27,056	26,819	26,287	25,862	25,544	25,236	24,968	24,615	24,464	24,466	24,597
43	43	43	43	43	43	43	43	43	43	43
(34,404)	(36,720)	(37,382)	(37,176)	(36,996)	(37,326)	(37,868)	(37,818)	(37,619)	(37,658)	(37,303)
13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374
(389)	(364)	(358)	(360)	(361)	(358)	(353)	(354)	(356)	(355)	(359)
531,713	528,961	527,264	523,457	520,705	518,503	516,784	512,999	510,797	508,045	506,305
23,321	23,343	23,416	23,393	23,416	23,556	23,715	23,783	23,926	24,041	24,206
44	44	44	45	45	45	46	46	47	47	48
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Portfolio:	Replacements A
Scenario:	Status Quo Extended

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Purchase 200 MW PY2022/23									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-
Gap MW_Portfolio A_SQE									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Short Term Capacity #4									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Barton Wind Contract									
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
Buffalo Ridge Contract									
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
DSM_Residential_FiledPlan									
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-
Jordan Creek									
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
110,526	107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
1,285,776	1,285,776	1,288,072	1,285,513	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072

LFIT - Biomass									
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-
LFIT - Biomass FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0									
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-
LFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0									
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-
LFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
22,449	22,333	22,281	22,088	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
6,162	6,130	6,116	6,063	6,065	6,039	6,024	5,975	5,949	5,917	5,902
924	920	-	-	-	-	-	-	-	-	-
150	150	-	-	-	-	-	-	-	-	-
6,193	6,161	6,146	6,093	6,065	6,039	6,024	5,975	5,949	5,917	5,902
855	850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-
478	478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3,185	3,185	3,196	3,184	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	440	441	439	440	440	441	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar									
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Gibson Solar									
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Green River Solar									
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Solar)									
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Storage)									
Contract Energy (MWh)	-	(156)	(3,514)	(3,686)	(4,076)	(4,384)	(4,500)	(4,865)	(5,040)
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA INCR II Wind									
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

430,468	428,240	427,002	423,542	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]										
594,040	590,965	590,176	584,619	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]										
466,390	463,976	462,653	458,882	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]										
212,453	211,353	210,776	209,101	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]										
(5,091)	(5,222)	(5,291)	(5,492)	(5,550)	(5,562)	(5,583)	(5,617)	(5,605)	(5,699)	(5,726)
[redacted]										
679,945	679,945	682,074	679,875	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]										

SFIT - Solar FIT 1.0									
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-
SFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0									
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-
SFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

1,084	1,078	1,076	1,066	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
139	139	138	137	136	136	136	134	134	133	133
24	24	-	-	-	-	-	-	-	-	-
170	170	-	-	-	-	-	-	-	-	-
774	770	768	762	758	755	753	747	744	740	738
121	120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan									
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25
DSM_C&I_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62
DSM_Res Tier 1_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
262	145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-	-
232,227	224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
350,646	333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
64,846	130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
9,999	10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
154	82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	-	159	83	57	44	36
107,240	99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
73,809	104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
10,670	11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
145	110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Gas Peaking P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2030									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2032									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2033									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2034									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
260,638	423,169	421,811	418,766	416,564	414,802	413,428	410,399	408,638	406,436	405,044
12,563	20,397	20,331	20,184	20,078	19,993	19,927	19,781	19,696	19,590	19,523
48	48	48	48	48	48	48	48	48	48	48
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	317,703	516,784	512,999	510,797	508,045	506,305
-	-	-	-	-	16,060	26,123	25,932	25,821	25,682	25,594
-	-	-	-	-	51	51	51	51	51	51

Hydrogen P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P1									
Contract Energy (MWh)	-	-	-	92,983	149,599	136,437	113,362	106,213	105,882
Contract Cost ($000s)	-	-	-	4,826	8,094	7,849	7,211	7,050	7,069
Contract Cost ($/MWh)	-	-	-	52	54	58	64	66	67
Other Thermal P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	2,555	4,464	4,560	4,644
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Solar P1									
Contract Energy (MWh)	-	-	-	-	761	650,606	647,303	645,291	640,698
Contract Cost ($000s)	-	-	-	-	32	27,397	27,523	27,702	27,768
Contract Cost ($/MWh)	-	-	-	-	42	42	43	43	43
Paired Storage P1									
Contract Energy (MWh)	-	-	-	-	0	(26,842)	(27,834)	(30,343)	(31,344)
Contract Cost ($000s)	-	-	-	-	36	13,374	13,374	13,374	13,374
Contract Cost ($/MWh)	-	-	-	-	7,049,335,904	(498)	(480)	(441)	(427)
Solar P2									
Contract Energy (MWh)	-	-	-	-	-	542,171	539,419	537,743	533,915
Contract Cost ($000s)	-	-	-	-	-	22,392	22,688	23,032	23,279
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44
Storage P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Wind P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
102,369	93,114	88,899	83,722	30,353	-	-	-	-	-	-
6,979	6,744	6,642	6,535	2,685	-	-	-	-	-	-
68	72	75	78	88	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
4,740	4,836	4,932	5,028	5,136	5,232	2,240	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
638,056	634,753	632,716	628,094	624,846	622,204	620,141	615,599	612,956	609,654	607,566
27,590	27,390	27,238	26,983	26,781	26,717	26,685	26,538	26,480	26,392	26,356
43	43	43	43	43	43	43	43	43	43	43
(31,786)	(32,921)	(33,461)	(34,980)	(35,707)	(36,023)	(36,178)	(36,179)	(36,344)	(36,876)	(37,108)
13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374
(421)	(406)	(400)	(382)	(375)	(371)	(370)	(370)	(368)	(363)	(360)
531,713	528,961	527,264	523,143	520,705	518,503	516,784	512,999	510,797	508,045	506,305
23,321	23,343	23,416	23,379	23,416	23,556	23,715	23,783	23,926	24,041	24,206
44	44	44	45	45	45	46	46	47	47	48
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Portfolio:	Replacements A
Scenario:	Economy-Wide Decarbonization

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Purchase 200 MW PY2022/23									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Gap MW_Portfolio A_EWD									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	1,437	326	2,197	3,959	2,991	10,293	16,102
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Short Term Capacity #4									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)		-	-	-	-	-	-	-	-
Barton Wind Contract									
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
Buffalo Ridge Contract									
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
DSM_Residential_FiledPlan									
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-
Jordan Creek									
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
19,093	23,394	25,532	28,458	32,576	35,951	38,320	39,416	43,629	47,984	55,370
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
110,526	107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072

LFIT - Biomass									
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-
Contract Cost ($000s)	13,381	13,649	12,897	13,356	13,628	13,190	12,620	11,984	-
Contract Cost ($/MWh)	127	129	122	126	129	125	120	113	-
LFIT - Biomass FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0									
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542
Contract Cost ($000s)	7,222	7,366	7,288	7,454	7,552	7,511	7,442	7,376	-
Contract Cost ($/MWh)	311	317	314	321	328	328	327	325	-
LFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187
Contract Cost ($000s)	957	957	895	902	896	848	793	734	664
Contract Cost ($/MWh)	150	150	140	142	142	135	127	118	107
LFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219
Contract Cost ($000s)	487	885	823	829	824	777	721	662	593
Contract Cost ($/MWh)	138	138	128	130	130	123	115	106	95
LFIT - Wind FIT 1.0									
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478
Contract Cost ($000s)	93	95	92	95	97	96	94	92	-
Contract Cost ($/MWh)	195	199	193	199	203	201	197	192	-
LFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185
Contract Cost ($000s)	-	440	409	414	414	392	366	338	304
Contract Cost ($/MWh)	-	138	128	130	130	123	115	106	95

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
22,449	22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
6,162	6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
619	596	-	-	-	-	-	-	-	-	-
100	97	-	-	-	-	-	-	-	-	-
6,193	6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
547	525	499	483	463	464	472	-	-	-	-
88	85	81	79	76	77	78	-	-	-	-
478	478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
281	271	260	252	243	245	250	-	-	-	-
88	85	81	79	76	77	78	-	-	-	-

RFP PPA Brickyard Solar									
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Gibson Solar									
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Green River Solar									
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Solar)									
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Storage)									
Contract Energy (MWh)	-	(45)	(1,369)	(2,162)	(3,021)	(3,095)	(3,061)	(3,097)	(2,555)
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA INCR II Wind									
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

430,468	428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]										
594,040	590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]										
466,390	463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]										
212,453	211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]										
(2,839)	(3,290)	(3,045)	(3,003)	(3,235)	(3,481)	(3,243)	(2,662)	(2,786)	(3,423)	(3,293)
[redacted]										
679,945	679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]										

SFIT - Solar FIT 1.0									
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088
Contract Cost ($000s)	402	410	408	417	422	421	418	416	-
Contract Cost ($/MWh)	359	366	363	372	380	381	381	379	-
SFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140
Contract Cost ($000s)	25	25	23	23	23	22	21	19	18
Contract Cost ($/MWh)	170	170	160	162	162	155	147	138	127
SFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777
Contract Cost ($000s)	75	100	118	118	118	112	105	97	88
Contract Cost ($/MWh)	156	156	147	148	148	141	133	124	114
SFIT - Wind FIT 1.0									
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-
Contract Cost ($000s)	8	8	8	9	9	9	9	8	-
Contract Cost ($/MWh)	259	265	260	267	273	271	269	266	-
SFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

1,084	1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
139	139	138	137	136	136	136	134	134	133	133
17	16	-	-	-	-	-	-	-	-	-
120	117	-	-	-	-	-	-	-	-	-
774	770	768	762	758	755	753	747	744	740	738
83	80	77	74	72	72	73	-	-	-	-
107	104	100	98	95	95	97	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan									
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25
DSM_C&I_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62
DSM_Res Tier 1_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
262	145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-	-
232,227	224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
350,646	333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
64,846	130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
9,999	10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
154	82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	-	159	83	57	44	36
107,240	99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
73,809	104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
10,670	11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
145	110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Gas Peaking P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2030									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2032									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2033									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2034									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
260,638	423,169	421,811	418,766	416,564	414,802	413,428	410,399	408,638	406,436	405,044
(2,528)	(5,463)	(7,116)	(7,927)	(9,085)	(8,831)	(8,178)	(7,104)	(6,943)	(6,552)	(5,865)
(10)	(13)	(17)	(19)	(22)	(21)	(20)	(17)	(17)	(16)	(14)
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	317,703	516,784	512,999	510,797	508,045	506,305
-	-	-	-	-	(6,176)	(9,266)	(7,931)	(7,733)	(7,250)	(6,395)
-	-	-	-	-	(19)	(18)	(15)	(15)	(14)	(13)

Hydrogen P1_5 Percent H2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P1_95 Percent Gas									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P1_Full H2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P1									
Contract Energy (MWh)	-	-	-	39,544	37,888	28,137	24,467	17,181	20,730
Contract Cost ($000s)	-	-	-	3,654	5,097	4,721	4,607	4,281	4,489
Contract Cost ($/MWh)	-	-	-	92	135	168	188	249	217
Other Thermal P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	2,555	4,464	4,560	4,644
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Solar P1									
Contract Energy (MWh)	-	-	-	-	761	650,606	647,303	645,291	640,698
Contract Cost ($000s)	-	-	-	-	26	17,638	12,506	6,808	410
Contract Cost ($/MWh)	-	-	-	-	34	27	19	11	1
Paired Storage P1									
Contract Energy (MWh)	-	-	-	-	-	(21,114)	(19,838)	(20,735)	(16,406)
Contract Cost ($000s)	-	-	-	-	36	13,374	13,374	13,374	13,374
Contract Cost ($/MWh)	-	-	-	-	-	(633)	(674)	(645)	(815)
Solar P2									
Contract Energy (MWh)	-	-	-	-	-	542,171	539,419	537,743	533,915
Contract Cost ($000s)	-	-	-	-	-	14,259	10,179	5,619	481
Contract Cost ($/MWh)	-	-	-	-	-	26	19	10	1
Storage P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Wind P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
22,239	26,688	26,375	23,905	8,468	-	-	-	-	-	-
4,616	4,926	4,953	4,846	1,985	-	-	-	-	-	-
208	185	188	203	234	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
4,740	4,836	4,932	5,028	5,136	5,232	2,240	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
638,056	634,753	632,716	628,148	624,846	622,204	620,141	615,599	612,956	609,654	607,566
(4,071)	(6,151)	(8,700)	(9,988)	(11,791)	(11,368)	(10,344)	(8,698)	(8,404)	(7,779)	(6,701)
(6)	(10)	(14)	(16)	(19)	(18)	(17)	(14)	(14)	(13)	(11)
(18,621)	(20,783)	(20,907)	(20,628)	(21,815)	(23,246)	(21,323)	(18,081)	(18,602)	(22,896)	(21,567)
13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374
(718)	(643)	(640)	(648)	(613)	(575)	(627)	(740)	(719)	(584)	(620)
531,713	528,961	527,264	523,457	520,705	518,503	516,784	512,999	510,797	508,045	506,305
(3,063)	(4,602)	(6,533)	(7,417)	(8,732)	(8,187)	(7,137)	(5,576)	(5,144)	(4,435)	(3,342)
(6)	(9)	(12)	(14)	(17)	(16)	(14)	(11)	(10)	(9)	(7)
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Contract Summary

Note that for modeling purposes, congestion expectations are incorporated in contract prices for certain renewable contracts

Portfolio:	Replacements B
Scenario:	Reference

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Purchase 200 MW PY2022/23									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Gap MW_Portfolio B_Ref									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Short Term Capacity #4									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Barton Wind Contract									
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
Buffalo Ridge Contract									
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
DSM_Residential_FiledPlan									
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-
Jordan Creek									
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
110,526	107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072

LFIT - Biomass									
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-
LFIT - Biomass FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0									
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-
LFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0									
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-
LFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
22,449	22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
6,162	6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
924	920	-	-	-	-	-	-	-	-	-
150	150	-	-	-	-	-	-	-	-	-
6,193	6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
855	850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-
478	478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	440	441	440	440	440	441	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar									
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Gibson Solar									
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Green River Solar									
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Solar)									
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Storage)									
Contract Energy (MWh)	-	(188)	(3,166)	(3,547)	(3,696)	(4,284)	(4,446)	(4,870)	(5,081)
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA INCR II Wind									
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

430,468	428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]										
594,040	590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]										
466,390	463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]										
212,453	211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]										
(5,234)	(5,419)	(5,438)	(5,515)	(5,559)	(5,604)	(5,680)	(5,686)	(5,776)	(5,759)	(5,799)
[redacted]										
679,945	679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]										

SFIT - Solar FIT 1.0									
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-
SFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0									
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-
SFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

1,084	1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
139	139	138	137	136	136	136	134	134	133	133
24	24	-	-	-	-	-	-	-	-	-
170	170	-	-	-	-	-	-	-	-	-
774	770	768	762	758	755	753	747	744	740	738
121	120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan									
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25
DSM_C&I_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62
DSM_Res Tier 1_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
262	145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-	-
232,227	224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
350,646	333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
64,846	130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
9,999	10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
154	82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	-	159	83	57	44	36
107,240	99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
73,809	104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
10,670	11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
145	110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Gas Peaking P1									
Contract Energy (MWh)	-	-	-	-	-	279,436	247,899	251,955	305,046
Contract Cost ($000s)	-	-	-	-	92	46,315	45,572	46,283	49,241
Contract Cost ($/MWh)	-	-	-	-	-	166	184	184	161
Generic Solar_Ref_PPA_2030									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2032									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2033									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2034									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

287,239	264,302	234,284	245,165	257,477	292,527	324,734	318,434	403,701	420,891	420,799
48,925	48,416	47,296	48,477	49,636	52,125	54,749	54,860	61,246	63,421	64,282
170	183	202	198	193	178	169	172	152	151	153
195,479	317,377	316,358	314,074	312,423	311,102	310,071	307,799	306,478	304,827	303,783
9,422	15,298	15,248	15,138	15,059	14,995	14,945	14,836	14,772	14,693	14,642
48	48	48	48	48	48	48	48	48	48	48
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	317,703	516,784	512,999	510,797	508,045	506,305
-	-	-	-	-	16,060	26,123	25,932	25,821	25,682	25,594
-	-	-	-	-	51	51	51	51	51	51

Hydrogen P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P1									
Contract Energy (MWh)	-	-	-	42,545	43,096	27,404	20,665	22,654	27,328
Contract Cost ($000s)	-	-	-	3,771	5,326	4,698	4,421	4,570	4,843
Contract Cost ($/MWh)	-	-	-	89	124	171	214	202	177
Other Thermal P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	2,555	4,464	4,560	4,644
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Solar P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Storage P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Solar P2									
Contract Energy (MWh)	-	-	-	-	-	216,869	215,768	215,097	213,566
Contract Cost ($000s)	-	-	-	-	-	8,957	9,075	9,213	9,311
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44
Storage P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Wind P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
25,380	22,220	18,541	18,211	6,394	-	-	-	-	-	-
4,791	4,665	4,486	4,506	1,851	-	-	-	-	-	-
189	210	242	247	290	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
4,740	4,836	4,932	5,028	5,136	5,232	2,240	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
212,685	211,584	210,905	209,383	208,282	207,401	206,714	205,200	204,319	203,218	202,522
9,328	9,337	9,366	9,357	9,366	9,422	9,486	9,513	9,570	9,616	9,683
44	44	44	45	45	45	46	46	47	47	48
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Portfolio:	Replacements B
Scenario:	Aggressive Environmental Regulation

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Purchase 200 MW PY2022/23									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-
Gap MW_Portfolio B_AER									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]	-	-	240	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)									
Contract Energy (MWh)	-			-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Short Term Capacity #4									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)		-	-	-	-	-	-	-	-
Barton Wind Contract									
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
Buffalo Ridge Contract									
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
DSM_Residential_FiledPlan									
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-
Jordan Creek									
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	2,004	4,824	6,952	7,365	6,409	7,377	5,800	6,457
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
110,526	107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072

LFIT - Biomass									
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-
LFIT - Biomass FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0									
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-
LFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0									
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-
LFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
22,449	22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
6,162	6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
924	920	-	-	-	-	-	-	-	-	-
150	150	-	-	-	-	-	-	-	-	-
6,193	6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
855	850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-
478	478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	440	441	440	440	440	441	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar									
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Gibson Solar									
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Green River Solar									
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Solar)									
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Storage)									
Contract Energy (MWh)	-	(225)	(3,459)	(3,636)	(3,800)	(4,243)	(4,434)	(4,861)	(5,437)
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA INCR II Wind									
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

430,468	428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]										
594,040	590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]										
466,390	463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]										
212,453	211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]										
(5,445)	(5,657)	(5,739)	(5,698)	(5,669)	(5,707)	(5,772)	(5,757)	(5,726)	(5,739)	(5,697)
[redacted]										
679,945	679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]										

SFIT - Solar FIT 1.0									
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-
SFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0									
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-
SFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

1,084	1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
139	139	138	137	136	136	136	134	134	133	133
24	24	-	-	-	-	-	-	-	-	-
170	170	-	-	-	-	-	-	-	-	-
774	770	768	762	758	755	753	747	744	740	738
121	120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan									
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25
DSM_C&I_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62
DSM_Res Tier 1_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
262	145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-	-
232,227	224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
350,646	333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
64,846	130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
9,999	10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
154	82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	-	159	83	57	44	36
107,240	99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
73,809	104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
10,670	11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
145	110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Gas Peaking P1									
Contract Energy (MWh)	-	-	-	-	-	79,968	62,025	55,779	90,998
Contract Cost ($000s)	-	-	-	-	92	38,805	38,044	37,849	40,276
Contract Cost ($/MWh)	-	-	-	-	-	485	613	679	443
Generic Solar_AER_PPA_2030									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2032									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2033									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2034									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

97,246	129,423	188,284	179,279	166,448	162,720	149,769	152,286	133,065	126,401	90,810
40,968	43,553	48,317	48,226	47,731	47,823	47,292	47,944	46,655	46,493	43,392
421	337	257	269	287	294	316	315	351	368	478
195,479	317,377	316,358	314,074	312,423	311,102	310,071	307,799	306,478	304,827	303,783
7,804	12,670	12,629	12,538	12,472	12,419	12,378	12,287	12,235	12,169	12,127
40	40	40	40	40	40	40	40	40	40	40
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	317,703	516,784	512,999	510,797	508,045	506,305
-	-	-	-	-	16,060	26,123	25,932	25,821	25,682	25,594
-	-	-	-	-	51	51	51	51	51	51

Hydrogen P1_5 Percent H2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P1_95 Percent Gas									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P1_Full H2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P1									
Contract Energy (MWh)	-	-	-	24,178	11,137	8,538	4,587	2,353	4,421
Contract Cost ($000s)	-	-	-	3,166	4,018	3,923	3,690	3,540	3,701
Contract Cost ($/MWh)	-	-	-	131	361	459	805	1,505	837
Other Thermal P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	2,555	4,464	4,560	4,644
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Solar P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Storage P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Solar P2									
Contract Energy (MWh)	-	-	-	-	-	216,869	215,768	215,097	213,566
Contract Cost ($000s)	-	-	-	-	-	8,957	9,075	9,213	9,311
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44
Storage P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Wind P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3,825	5,055	5,592	4,222	1,508	-	-	-	-	-	-
3,671	3,786	3,840	3,738	1,557	-	-	-	-	-	-
960	749	687	885	1,033	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
4,740	4,836	4,932	5,028	5,136	5,232	2,240	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
212,685	211,584	210,905	209,383	208,282	207,401	206,714	205,200	204,319	203,218	202,522
9,328	9,337	9,366	9,357	9,366	9,422	9,486	9,513	9,570	9,616	9,683
44	44	44	45	45	45	46	46	47	47	48
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Portfolio:	Replacements B
Scenario:	Status Quo Extended

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Purchase 200 MW PY2022/23									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-
Gap MW_Portfolio B_SQE									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Short Term Capacity #4									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)		-	-	-	-	-	-	-	-
Barton Wind Contract									
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
Buffalo Ridge Contract									
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
DSM_Residential_FiledPlan									
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-
Jordan Creek									
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
110,526	107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
1,285,776	1,285,776	1,288,072	1,285,513	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072
[redacted]										

LFIT - Biomass									
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-
LFIT - Biomass FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0									
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-
LFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0									
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-
LFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
22,449	22,333	22,281	22,088	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
6,162	6,130	6,116	6,063	6,065	6,039	6,024	5,975	5,949	5,917	5,902
924	920	-	-	-	-	-	-	-	-	-
150	150	-	-	-	-	-	-	-	-	-
6,193	6,161	6,146	6,093	6,065	6,039	6,024	5,975	5,949	5,917	5,902
855	850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-
478	478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3,185	3,185	3,196	3,184	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	440	441	439	440	440	441	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar									
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Gibson Solar									
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Green River Solar									
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Solar)									
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Storage)									
Contract Energy (MWh)	-	(156)	(3,514)	(3,686)	(4,076)	(4,384)	(4,500)	(4,865)	(5,040)
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA INCR II Wind									
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

430,468	428,240	427,002	423,542	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]										
594,040	590,965	590,176	584,619	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]										
466,390	463,976	462,653	458,882	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]										
212,453	211,353	210,776	209,101	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]										
(5,091)	(5,222)	(5,291)	(5,492)	(5,550)	(5,562)	(5,583)	(5,617)	(5,605)	(5,699)	(5,726)
[redacted]										
679,945	679,945	682,074	679,875	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]										

SFIT - Solar FIT 1.0									
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-
SFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0									
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-
SFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

1,084	1,078	1,076	1,066	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
139	139	138	137	136	136	136	134	134	133	133
24	24	-	-	-	-	-	-	-	-	-
170	170	-	-	-	-	-	-	-	-	-
774	770	768	762	758	755	753	747	744	740	738
121	120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan									
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25
DSM_C&I_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62
DSM_Res Tier 1_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
262	145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-	-
232,227	224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
350,646	333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
64,846	130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
9,999	10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
154	82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	-	159	83	57	44	36
107,240	99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
73,809	104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
10,670	11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
145	110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Gas Peaking P1									
Contract Energy (MWh)	-	-	-	-	-	797,363	664,885	638,884	662,863
Contract Cost ($000s)	-	-	-	-	92	58,847	55,820	55,602	56,769
Contract Cost ($/MWh)	-	-	-	-	-	74	84	87	86
Generic Solar_SQE_PPA_2030									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2032									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2033									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2034									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

632,756	598,532	569,916	587,232	558,395	575,381	531,040	521,559	504,855	568,976	558,736
56,309	55,993	55,622	57,182	56,725	57,778	56,725	56,848	56,902	60,872	61,179
89	94	98	97	102	100	107	109	113	107	109
195,479	317,377	316,358	314,074	312,423	311,102	310,071	307,799	306,478	304,827	303,783
9,422	15,298	15,248	15,138	15,059	14,995	14,945	14,836	14,772	14,693	14,642
48	48	48	48	48	48	48	48	48	48	48
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	317,703	516,784	512,999	510,797	508,045	506,305
-	-	-	-	-	16,060	26,123	25,932	25,821	25,682	25,594
-	-	-	-	-	51	51	51	51	51	51

Hydrogen P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P1									
Contract Energy (MWh)	-	-	-	92,983	149,599	136,437	113,362	106,213	105,882
Contract Cost ($000s)	-	-	-	4,826	8,094	7,849	7,211	7,050	7,069
Contract Cost ($/MWh)	-	-	-	52	54	58	64	66	67
Other Thermal P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	2,555	4,464	4,560	4,644
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Solar P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Storage P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Solar P2									
Contract Energy (MWh)	-	-	-	-	-	216,869	215,768	215,097	213,566
Contract Cost ($000s)	-	-	-	-	-	8,957	9,075	9,213	9,311
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44
Storage P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Wind P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
102,369	93,114	88,899	83,722	30,353	-	-	-	-	-	-
6,979	6,744	6,642	6,535	2,685	-	-	-	-	-	-
68	72	75	78	88	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
4,740	4,836	4,932	5,028	5,136	5,232	2,240	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
212,685	211,584	210,905	209,257	208,282	207,401	206,714	205,200	204,319	203,218	202,522
9,328	9,337	9,366	9,352	9,366	9,422	9,486	9,513	9,570	9,616	9,683
44	44	44	45	45	45	46	46	47	47	48
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Portfolio:	Replacements B
Scenario:	Economy-Wide Decarbonization

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Purchase 200 MW PY2022/23									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-
Gap MW_Portfolio B_EWD									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	1,437	326	2,197	1,626	-	3,775	7,825
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)									
Contract Energy (MWh)			-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Short Term Capacity #4									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Barton Wind Contract									
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
Buffalo Ridge Contract									
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
DSM_Residential_FiledPlan									
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-
Jordan Creek									
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
9,636	13,052	15,702	18,411	21,888	25,030	27,426	28,154	31,855	35,733	42,053
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
110,526	107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072
[redacted]										

LFIT - Biomass									
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-
Contract Cost ($000s)	13,381	13,649	12,897	13,356	13,628	13,190	12,620	11,984	-
Contract Cost ($/MWh)	127	129	122	126	129	125	120	113	-
LFIT - Biomass FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0									
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542
Contract Cost ($000s)	7,222	7,366	7,288	7,454	7,552	7,511	7,442	7,376	-
Contract Cost ($/MWh)	311	317	314	321	328	328	327	325	-
LFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187
Contract Cost ($000s)	957	957	895	902	896	848	793	734	664
Contract Cost ($/MWh)	150	150	140	142	142	135	127	118	107
LFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219
Contract Cost ($000s)	487	885	823	829	824	777	721	662	593
Contract Cost ($/MWh)	138	138	128	130	130	123	115	106	95
LFIT - Wind FIT 1.0									
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478
Contract Cost ($000s)	93	95	92	95	97	96	94	92	-
Contract Cost ($/MWh)	195	199	193	199	203	201	197	192	-
LFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185
Contract Cost ($000s)	-	440	409	414	414	392	366	338	304
Contract Cost ($/MWh)	-	138	128	130	130	123	115	106	95

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
22,449	22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
6,162	6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
619	596	-	-	-	-	-	-	-	-	-
100	97	-	-	-	-	-	-	-	-	-
6,193	6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
547	525	499	483	463	464	472	-	-	-	-
88	85	81	79	76	77	78	-	-	-	-
478	478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
281	271	260	252	243	245	250	-	-	-	-
88	85	81	79	76	77	78	-	-	-	-

RFP PPA Brickyard Solar									
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Gibson Solar									
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Green River Solar									
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Solar)									
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Storage)									
Contract Energy (MWh)	-	(45)	(1,369)	(2,162)	(3,021)	(3,095)	(3,061)	(3,097)	(2,555)
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA INCR II Wind									
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

430,468	428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]										
594,040	590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]										
466,390	463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]										
212,453	211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]										
(2,839)	(3,290)	(3,045)	(3,003)	(3,235)	(3,481)	(3,243)	(2,662)	(2,786)	(3,423)	(3,293)
[redacted]										
679,945	679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]										

SFIT - Solar FIT 1.0									
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088
Contract Cost ($000s)	402	410	408	417	422	421	418	416	-
Contract Cost ($/MWh)	359	366	363	372	380	381	381	379	-
SFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140
Contract Cost ($000s)	25	25	23	23	23	22	21	19	18
Contract Cost ($/MWh)	170	170	160	162	162	155	147	138	127
SFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777
Contract Cost ($000s)	75	100	118	118	118	112	105	97	88
Contract Cost ($/MWh)	156	156	147	148	148	141	133	124	114
SFIT - Wind FIT 1.0									
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-
Contract Cost ($000s)	8	8	8	9	9	9	9	8	-
Contract Cost ($/MWh)	259	265	260	267	273	271	269	266	-
SFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

1,084	1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
139	139	138	137	136	136	136	134	134	133	133
17	16	-	-	-	-	-	-	-	-	-
120	117	-	-	-	-	-	-	-	-	-
774	770	768	762	758	755	753	747	744	740	738
83	80	77	74	72	72	73	-	-	-	-
107	104	100	98	95	95	97	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan									
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25
DSM_C&I_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62
DSM_Res Tier 1_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
262	145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-	-
232,227	224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
350,646	333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
64,846	130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
9,999	10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
154	82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	-	159	83	57	44	36
107,240	99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
73,809	104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
10,670	11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
145	110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Gas Peaking P1									
Contract Energy (MWh)	-	-	-	-	-	186,851	157,751	132,713	204,844
Contract Cost ($000s)	-	-	-	-	92	42,449	41,564	40,741	44,440
Contract Cost ($/MWh)	-	-	-	-	-	227	263	307	217
Generic Solar_EWD_PPA_2030									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2032									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2033									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2034									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

227,062	295,643	295,660	267,796	301,612	397,381	380,427	491,917	609,140	633,960	643,125
45,973	50,183	50,772	49,672	52,213	58,523	58,287	66,110	75,150	78,244	80,255
202	170	172	185	173	147	153	134	123	123	125
195,479	317,377	316,358	314,074	312,423	311,102	310,071	307,799	306,478	304,827	303,783
(1,896)	(4,097)	(5,337)	(5,945)	(6,814)	(6,623)	(6,133)	(5,328)	(5,207)	(4,914)	(4,399)
(10)	(13)	(17)	(19)	(22)	(21)	(20)	(17)	(17)	(16)	(14)
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	317,703	516,784	512,999	510,797	508,045	506,305
-	-	-	-	-	(6,176)	(9,266)	(7,931)	(7,733)	(7,250)	(6,395)
-	-	-	-	-	(19)	(18)	(15)	(15)	(14)	(13)

Hydrogen P1_5 Percent H2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P1_95 Percent Gas									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P1_Full H2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P1									
Contract Energy (MWh)	-	-	-	39,544	37,888	28,137	24,467	17,181	20,730
Contract Cost ($000s)	-	-	-	3,654	5,097	4,721	4,607	4,281	4,489
Contract Cost ($/MWh)	-	-	-	92	135	168	188	249	217
Other Thermal P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	2,555	4,464	4,560	4,644
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Solar P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Storage P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Solar P2									
Contract Energy (MWh)	-	-	-	-	-	216,869	215,768	215,097	213,566
Contract Cost ($000s)	-	-	-	-	-	5,704	4,072	2,248	192
Contract Cost ($/MWh)	-	-	-	-	-	26	19	10	1
Storage P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Wind P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
22,239	26,688	26,375	23,905	8,468	-	-	-	-	-	-
4,616	4,926	4,953	4,846	1,985	-	-	-	-	-	-
208	185	188	203	234	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
4,740	4,836	4,932	5,028	5,136	5,232	2,240	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
212,685	211,584	210,905	209,383	208,282	207,401	206,714	205,200	204,319	203,218	202,522
(1,225)	(1,841)	(2,613)	(2,967)	(3,493)	(3,275)	(2,855)	(2,231)	(2,057)	(1,774)	(1,337)
(6)	(9)	(12)	(14)	(17)	(16)	(14)	(11)	(10)	(9)	(7)
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Contract Summary

Note that for modeling purposes, congestion expectations are incorporated in contract prices for certain renewable contracts

Portfolio:	Replacements C
Scenario:	Reference

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Purchase 200 MW PY2022/23									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Gap MW_Portfolio C_Ref									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Short Term Capacity #4									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Barton Wind Contract									
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
Buffalo Ridge Contract									
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
DSM_Residential_FiledPlan									
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-
Jordan Creek									
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
110,526	107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072
[redacted]										

LFIT - Biomass									
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-
LFIT - Biomass FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0									
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-
LFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0									
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-
LFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
22,449	22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
6,162	6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
924	920	-	-	-	-	-	-	-	-	-
150	150	-	-	-	-	-	-	-	-	-
6,193	6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
855	850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-
478	478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	440	441	440	440	440	441	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar									
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Gibson Solar									
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Green River Solar									
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Solar)									
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Storage)									
Contract Energy (MWh)	-	(188)	(3,166)	(3,547)	(3,696)	(4,284)	(4,446)	(4,870)	(5,081)
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA INCR II Wind									
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

430,468	428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]										
594,040	590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]										
466,390	463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]										
212,453	211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]										
(5,234)	(5,419)	(5,438)	(5,515)	(5,559)	(5,604)	(5,680)	(5,686)	(5,776)	(5,759)	(5,799)
[redacted]										
679,945	679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]										

SFIT - Solar FIT 1.0									
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-
SFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0									
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-
SFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

1,084	1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
139	139	138	137	136	136	136	134	134	133	133
24	24	-	-	-	-	-	-	-	-	-
170	170	-	-	-	-	-	-	-	-	-
774	770	768	762	758	755	753	747	744	740	738
121	120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan									
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25
DSM_C&I_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62
DSM_Res Tier 1_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
262	145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-	-
232,227	224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
350,646	333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
64,846	130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
9,999	10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
154	82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	-	159	83	57	44	36
107,240	99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
73,809	104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
10,670	11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
145	110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Gas Peaking P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2030									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2032									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2033									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2034									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-

Hydrogen P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Solar P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Storage P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Solar P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Storage P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Wind P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Portfolio:	Replacements C
Scenario:	Aggressive Environmental Regulation

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Purchase 200 MW PY2022/23									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Gap MW_Portfolio C_AER									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Short Term Capacity #4									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Barton Wind Contract									
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
Buffalo Ridge Contract									
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
DSM_Residential_FiledPlan									
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-
Jordan Creek									
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	501	2,289	4,324	5,110	7,931	5,365	6,203	7,111	5,473	6,054
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
110,526	107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072
[redacted]										

LFIT - Biomass									
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-
LFIT - Biomass FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0									
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-
LFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0									
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-
LFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
22,449	22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
6,162	6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
924	920	-	-	-	-	-	-	-	-	-
150	150	-	-	-	-	-	-	-	-	-
6,193	6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
855	850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-
478	478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	440	441	440	440	440	441	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar									
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Gibson Solar									
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Green River Solar									
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Solar)									
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Storage)									
Contract Energy (MWh)	-	(225)	(3,459)	(3,636)	(3,800)	(4,243)	(4,434)	(4,861)	(5,437)
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA INCR II Wind									
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

430,468	428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]										
594,040	590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]										
466,390	463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]										
212,453	211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]										
(5,445)	(5,657)	(5,739)	(5,698)	(5,669)	(5,707)	(5,772)	(5,757)	(5,726)	(5,739)	(5,697)
[redacted]										
679,945	679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]										

SFIT - Solar FIT 1.0									
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-
SFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0									
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-
SFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

1,084	1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
139	139	138	137	136	136	136	134	134	133	133
24	24	-	-	-	-	-	-	-	-	-
170	170	-	-	-	-	-	-	-	-	-
774	770	768	762	758	755	753	747	744	740	738
121	120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan									
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25
DSM_C&I_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62
DSM_Res Tier 1_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
262	145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-	-
232,227	224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
350,646	333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
64,846	130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
9,999	10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
154	82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	-	159	83	57	44	36
107,240	99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
73,809	104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
10,670	11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
145	110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Gas Peaking P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2030									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2032									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2033									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2034									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

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Hydrogen P1_5 Percent H2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P1_95 Percent Gas									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P1_Full H2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Solar P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Storage P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Solar P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Storage P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Wind P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

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Portfolio:	Replacements C
Scenario:	Status Quo Extended

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Purchase 200 MW PY2022/23									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-
Gap MW_Portfolio C_SQE									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Short Term Capacity #4									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)		-	-	-	-	-	-	-	-
Barton Wind Contract									
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
Buffalo Ridge Contract									
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
DSM_Residential_FiledPlan									
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-
Jordan Creek									
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
110,526	107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
1,285,776	1,285,776	1,288,072	1,285,513	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072
[redacted]										

LFIT - Biomass									
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-
LFIT - Biomass FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0									
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-
LFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0									
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-
LFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
22,449	22,333	22,281	22,088	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
6,162	6,130	6,116	6,063	6,065	6,039	6,024	5,975	5,949	5,917	5,902
924	920	-	-	-	-	-	-	-	-	-
150	150	-	-	-	-	-	-	-	-	-
6,193	6,161	6,146	6,093	6,065	6,039	6,024	5,975	5,949	5,917	5,902
855	850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-
478	478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3,185	3,185	3,196	3,184	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	440	441	439	440	440	441	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar									
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Gibson Solar									
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Green River Solar									
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Solar)									
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Storage)									
Contract Energy (MWh)	-	(156)	(3,514)	(3,686)	(4,076)	(4,384)	(4,500)	(4,865)	(5,040)
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA INCR II Wind									
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

430,468	428,240	427,002	423,542	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]										
594,040	590,965	590,176	584,619	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]										
466,390	463,976	462,653	458,882	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]										
212,453	211,353	210,776	209,101	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]										
(5,091)	(5,222)	(5,291)	(5,492)	(5,550)	(5,562)	(5,583)	(5,617)	(5,605)	(5,699)	(5,726)
[redacted]										
679,945	679,945	682,074	679,875	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]										

SFIT - Solar FIT 1.0									
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-
SFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0									
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-
SFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

1,084	1,078	1,076	1,066	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
139	139	138	137	136	136	136	134	134	133	133
24	24	-	-	-	-	-	-	-	-	-
170	170	-	-	-	-	-	-	-	-	-
774	770	768	762	758	755	753	747	744	740	738
121	120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan									
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25
DSM_C&I_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62
DSM_Res Tier 1_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
262	145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-	-
232,227	224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
350,646	333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
64,846	130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
9,999	10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
154	82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	-	159	83	57	44	36
107,240	99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
73,809	104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
10,670	11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
145	110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Gas Peaking P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2030									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2032									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2033									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2034									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

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Hydrogen P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Solar P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Storage P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Solar P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Storage P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Wind P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

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-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Portfolio:	Replacements C
Scenario:	Economy-Wide Decarbonization

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Purchase 200 MW PY2022/23									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-
Gap MW_Portfolio C_EWD									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	1,437	886	3,381	-	-	3,022	6,738
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)			-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Short Term Capacity #4									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Barton Wind Contract									
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
Buffalo Ridge Contract									
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
DSM_Residential_FiledPlan									
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-
Jordan Creek									
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
10,477	13,647	16,049	18,513	20,534	23,304	21,600	24,784	28,319	32,043	37,802
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
110,526	107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072
[redacted]										

LFIT - Biomass									
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-
Contract Cost ($000s)	13,381	13,649	12,897	13,356	13,628	13,190	12,620	11,984	-
Contract Cost ($/MWh)	127	129	122	126	129	125	120	113	-
LFIT - Biomass FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0									
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542
Contract Cost ($000s)	7,222	7,366	7,288	7,454	7,552	7,511	7,442	7,376	-
Contract Cost ($/MWh)	311	317	314	321	328	328	327	325	-
LFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187
Contract Cost ($000s)	957	957	895	902	896	848	793	734	664
Contract Cost ($/MWh)	150	150	140	142	142	135	127	118	107
LFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219
Contract Cost ($000s)	487	885	823	829	824	777	721	662	593
Contract Cost ($/MWh)	138	138	128	130	130	123	115	106	95
LFIT - Wind FIT 1.0									
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478
Contract Cost ($000s)	93	95	92	95	97	96	94	92	-
Contract Cost ($/MWh)	195	199	193	199	203	201	197	192	-
LFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185
Contract Cost ($000s)	-	440	409	414	414	392	366	338	304
Contract Cost ($/MWh)	-	138	128	130	130	123	115	106	95

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
22,449	22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
6,162	6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
619	596	-	-	-	-	-	-	-	-	-
100	97	-	-	-	-	-	-	-	-	-
6,193	6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
547	525	499	483	463	464	472	-	-	-	-
88	85	81	79	76	77	78	-	-	-	-
478	478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
281	271	260	252	243	245	250	-	-	-	-
88	85	81	79	76	77	78	-	-	-	-

RFP PPA Brickyard Solar									
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Gibson Solar									
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Green River Solar									
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Solar)									
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Storage)									
Contract Energy (MWh)	-	(45)	(1,369)	(2,162)	(3,021)	(3,095)	(3,061)	(3,097)	(2,555)
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA INCR II Wind									
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

430,468	428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]										
594,040	590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]										
466,390	463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]										
212,453	211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]										
(2,839)	(3,290)	(3,045)	(3,003)	(3,235)	(3,481)	(3,243)	(2,662)	(2,786)	(3,423)	(3,293)
[redacted]										
679,945	679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]										

SFIT - Solar FIT 1.0									
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088
Contract Cost ($000s)	402	410	408	417	422	421	418	416	-
Contract Cost ($/MWh)	359	366	363	372	380	381	381	379	-
SFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140
Contract Cost ($000s)	25	25	23	23	23	22	21	19	18
Contract Cost ($/MWh)	170	170	160	162	162	155	147	138	127
SFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777
Contract Cost ($000s)	75	100	118	118	118	112	105	97	88
Contract Cost ($/MWh)	156	156	147	148	148	141	133	124	114
SFIT - Wind FIT 1.0									
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-
Contract Cost ($000s)	8	8	8	9	9	9	9	8	-
Contract Cost ($/MWh)	259	265	260	267	273	271	269	266	-
SFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

1,084	1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
139	139	138	137	136	136	136	134	134	133	133
17	16	-	-	-	-	-	-	-	-	-
120	117	-	-	-	-	-	-	-	-	-
774	770	768	762	758	755	753	747	744	740	738
83	80	77	74	72	72	73	-	-	-	-
107	104	100	98	95	95	97	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan									
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25
DSM_C&I_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62
DSM_Res Tier 1_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
262	145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-	-
232,227	224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
350,646	333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
64,846	130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
9,999	10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
154	82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	-	159	83	57	44	36
107,240	99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
73,809	104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
10,670	11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
145	110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Gas Peaking P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2030									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2032									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2033									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2034									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Hydrogen P1_5 Percent H2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P1_95 Percent Gas									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P1_Full H2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Solar P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Storage P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Solar P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Storage P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Wind P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

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Contract Summary

Note that for modeling purposes, congestion expectations are incorporated in contract prices for certain renewable contracts

Portfolio:	Replacements D
Scenario:	Reference

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Purchase 200 MW PY2022/23									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-
Gap MW_Portfolio D_Ref									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]	-	-	454	26	685	1,374
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Short Term Capacity #4									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)		-	-	-	-	-	-	-	-
Barton Wind Contract									
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
Buffalo Ridge Contract									
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
DSM_Residential_FiledPlan									
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-
Jordan Creek									
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
1,870	2,400	2,689	2,374	-	-	110	603	1,176	2,612	2,525
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
110,526	107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072
[redacted]										

LFIT - Biomass									
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-
LFIT - Biomass FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0									
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-
LFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0									
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-
LFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
22,449	22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
6,162	6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
924	920	-	-	-	-	-	-	-	-	-
150	150	-	-	-	-	-	-	-	-	-
6,193	6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
855	850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-
478	478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	440	441	440	440	440	441	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar									
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Gibson Solar									
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Green River Solar									
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Solar)									
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Storage)									
Contract Energy (MWh)	-	(188)	(3,166)	(3,547)	(3,696)	(4,284)	(4,446)	(4,870)	(5,081)
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA INCR II Wind									
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

430,468	428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]										
594,040	590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]										
466,390	463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]										
212,453	211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]										
(5,234)	(5,419)	(5,438)	(5,515)	(5,559)	(5,604)	(5,680)	(5,686)	(5,776)	(5,759)	(5,799)
[redacted]										
679,945	679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]										

SFIT - Solar FIT 1.0									
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-
SFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0									
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-
SFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

1,084	1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
139	139	138	137	136	136	136	134	134	133	133
24	24	-	-	-	-	-	-	-	-	-
170	170	-	-	-	-	-	-	-	-	-
774	770	768	762	758	755	753	747	744	740	738
121	120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan									
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25
DSM_C&I_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62
DSM_Res Tier 1_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
262	145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-	-
232,227	224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
350,646	333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
64,846	130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
9,999	10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
154	82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	-	159	83	57	44	36
107,240	99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
73,809	104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
10,670	11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
145	110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Gas Peaking P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2030									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2032									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2033									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2034									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
260,638	423,169	421,811	418,766	416,564	414,802	413,428	410,399	408,638	406,436	405,044
12,563	20,397	20,331	20,184	20,078	19,993	19,927	19,781	19,696	19,590	19,523
48	48	48	48	48	48	48	48	48	48	48
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	192,443	312,423	311,102	310,071	307,799	306,478	304,827	303,783
-	-	-	9,526	15,465	15,400	15,348	15,236	15,171	15,089	15,037
-	-	-	50	49	50	49	50	50	50	49
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Hydrogen P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Solar P1									
Contract Energy (MWh)	-	-	-	-	761	650,606	647,303	645,291	640,698
Contract Cost ($000s)	-	-	-	-	32	27,397	27,523	27,702	27,768
Contract Cost ($/MWh)	-	-	-	-	42	42	43	43	43
Paired Storage P1									
Contract Energy (MWh)	-	-	-	-	(77)	(26,189)	(27,103)	(29,752)	(31,491)
Contract Cost ($000s)	-	-	-	-	36	13,374	13,374	13,374	13,374
Contract Cost ($/MWh)	-	-	-	-	(467)	(511)	(493)	(450)	(425)
Solar P2									
Contract Energy (MWh)	-	-	-	-	-	867,474	863,071	860,388	854,264
Contract Cost ($000s)	-	-	-	-	-	35,827	36,301	36,850	37,246
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44
Storage P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Wind P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
638,056	634,753	632,716	628,148	624,846	622,204	620,141	615,599	612,956	609,654	607,566
27,590	27,390	27,238	26,985	26,781	26,717	26,685	26,538	26,480	26,392	26,356
43	43	43	43	43	43	43	43	43	43	43
(32,597)	(34,439)	(34,683)	(35,499)	(35,932)	(36,466)	(36,990)	(37,114)	(37,843)	(37,611)	(38,028)
13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374
(410)	(388)	(386)	(377)	(372)	(367)	(362)	(360)	(353)	(356)	(352)
850,741	846,338	843,622	837,531	833,128	829,605	826,855	820,798	817,275	812,872	810,089
37,314	37,349	37,465	37,429	37,466	37,689	37,944	38,052	38,281	38,465	38,730
44	44	44	45	45	45	46	46	47	47	48
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Portfolio:	Replacements D
Scenario:	Aggressive Environmental Regulation

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Purchase 200 MW PY2022/23									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-
Gap MW_Portfolio D_AER									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]	-	-	1,827	-	3,942	7,775
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)									
Contract Energy (MWh)	-	-			-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Short Term Capacity #4									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)		-	-	-	-	-	-	-	-
Barton Wind Contract									
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
Buffalo Ridge Contract									
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
DSM_Residential_FiledPlan									
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-
Jordan Creek									
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
6,379	9,320	13,045	13,102	7,617	11,310	12,065	13,270	14,458	14,537	14,523
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
110,526	107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072

LFIT - Biomass									
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-
LFIT - Biomass FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0									
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-
LFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0									
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-
LFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
22,449	22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
6,162	6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
924	920	-	-	-	-	-	-	-	-	-
150	150	-	-	-	-	-	-	-	-	-
6,193	6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
855	850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-
478	478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	440	441	440	440	440	441	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar									
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Gibson Solar									
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Green River Solar									
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Solar)									
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Storage)									
Contract Energy (MWh)	-	(225)	(3,459)	(3,636)	(3,800)	(4,243)	(4,434)	(4,861)	(5,437)
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA INCR II Wind									
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

430,468	428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]										
594,040	590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]										
466,390	463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]										
212,453	211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]										
(5,445)	(5,657)	(5,739)	(5,698)	(5,669)	(5,707)	(5,772)	(5,757)	(5,726)	(5,739)	(5,697)
[redacted]										
679,945	679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]										

SFIT - Solar FIT 1.0									
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-
SFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0									
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-
SFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

1,084	1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
139	139	138	137	136	136	136	134	134	133	133
24	24	-	-	-	-	-	-	-	-	-
170	170	-	-	-	-	-	-	-	-	-
774	770	768	762	758	755	753	747	744	740	738
121	120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan									
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25
DSM_C&I_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62
DSM_Res Tier 1_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
262	145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-	-
232,227	224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
350,646	333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
64,846	130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
9,999	10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
154	82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	-	159	83	57	44	36
107,240	99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
73,809	104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
10,670	11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
145	110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Gas Peaking P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2030									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2032									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2033									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2034									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P1_5 Percent H2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
260,638	423,169	421,811	418,766	416,564	414,802	413,428	410,399	408,638	406,436	405,044
10,405	16,893	16,839	16,717	16,629	16,559	16,504	16,383	16,313	16,225	16,169
40	40	40	40	40	40	40	40	40	40	40
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	192,443	312,423	311,102	310,071	307,799	306,478	304,827	303,783
-	-	-	9,526	15,465	15,400	15,348	15,236	15,171	15,089	15,037
-	-	-	50	49	50	49	50	50	50	49
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Hydrogen P1_95 Percent Gas									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P1_Full H2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Solar P1									
Contract Energy (MWh)	-	-	-	-	761	650,606	647,303	645,164	635,386
Contract Cost ($000s)	-	-	-	-	32	27,397	27,523	27,697	27,538
Contract Cost ($/MWh)	-	-	-	-	42	42	43	43	43
Paired Storage P1									
Contract Energy (MWh)	-	-	-	-	(74)	(25,914)	(26,981)	(29,731)	(34,323)
Contract Cost ($000s)	-	-	-	-	36	13,374	13,374	13,374	13,374
Contract Cost ($/MWh)	-	-	-	-	(485)	(516)	(496)	(450)	(390)
Solar P2									
Contract Energy (MWh)	-	-	-	-	-	867,474	863,071	860,388	854,264
Contract Cost ($000s)	-	-	-	-	-	35,827	36,301	36,850	37,246
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44
Storage P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Wind P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
625,715	621,539	610,612	602,011	595,995	587,700	580,255	570,992	566,293	565,175	567,016
27,056	26,819	26,287	25,862	25,544	25,236	24,968	24,615	24,464	24,466	24,597
43	43	43	43	43	43	43	43	43	43	43
(34,404)	(36,720)	(37,382)	(37,176)	(36,996)	(37,326)	(37,868)	(37,818)	(37,619)	(37,658)	(37,303)
13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374
(389)	(364)	(358)	(360)	(361)	(358)	(353)	(354)	(356)	(355)	(359)
850,741	846,338	843,622	837,531	833,128	829,605	826,855	820,798	817,275	812,872	810,089
37,314	37,349	37,465	37,429	37,466	37,689	37,944	38,052	38,281	38,465	38,730
44	44	44	45	45	45	46	46	47	47	48
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Portfolio:	Replacements D
Scenario:	Status Quo Extended

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Purchase 200 MW PY2022/23									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-
Gap MW_Portfolio D_SQE									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]	-	-	5	-	158	268
Contract Cost ($/MWh)	-	-		-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Short Term Capacity #4									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Barton Wind Contract									
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
Buffalo Ridge Contract									
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
DSM_Residential_FiledPlan									
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-
Jordan Creek									
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
129	156	191	82	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
110,526	107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
1,285,776	1,285,776	1,288,072	1,285,513	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072
[redacted]										

LFIT - Biomass									
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-
LFIT - Biomass FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0									
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-
LFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0									
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-
LFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
22,449	22,333	22,281	22,088	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
6,162	6,130	6,116	6,063	6,065	6,039	6,024	5,975	5,949	5,917	5,902
924	920	-	-	-	-	-	-	-	-	-
150	150	-	-	-	-	-	-	-	-	-
6,193	6,161	6,146	6,093	6,065	6,039	6,024	5,975	5,949	5,917	5,902
855	850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-
478	478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3,185	3,185	3,196	3,184	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	440	441	439	440	440	441	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar									
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Gibson Solar									
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Green River Solar									
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Solar)									
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Storage)									
Contract Energy (MWh)	-	(156)	(3,514)	(3,686)	(4,076)	(4,384)	(4,500)	(4,865)	(5,040)
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA INCR II Wind									
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

430,468	428,240	427,002	423,542	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]										
594,040	590,965	590,176	584,619	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]										
466,390	463,976	462,653	458,882	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]										
212,453	211,353	210,776	209,101	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]										
(5,091)	(5,222)	(5,291)	(5,492)	(5,550)	(5,562)	(5,583)	(5,617)	(5,605)	(5,699)	(5,726)
[redacted]										
679,945	679,945	682,074	679,875	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]										

SFIT - Solar FIT 1.0									
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-
SFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0									
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-
SFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

1,084	1,078	1,076	1,066	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
139	139	138	137	136	136	136	134	134	133	133
24	24	-	-	-	-	-	-	-	-	-
170	170	-	-	-	-	-	-	-	-	-
774	770	768	762	758	755	753	747	744	740	738
121	120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan									
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25
DSM_C&I_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62
DSM_Res Tier 1_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
262	145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-	-
232,227	224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
350,646	333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
64,846	130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
9,999	10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
154	82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	-	159	83	57	44	36
107,240	99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
73,809	104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
10,670	11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
145	110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Gas Peaking P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2030									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2032									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2033									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2034									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
260,638	423,169	421,811	418,766	416,564	414,802	413,428	410,399	408,638	406,436	405,044
12,563	20,397	20,331	20,184	20,078	19,993	19,927	19,781	19,696	19,590	19,523
48	48	48	48	48	48	48	48	48	48	48
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	192,443	312,423	311,102	310,071	307,799	306,478	304,827	303,783
-	-	-	9,526	15,465	15,400	15,348	15,236	15,171	15,089	15,037
-	-	-	50	49	50	49	50	50	50	49
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Hydrogen P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Solar P1									
Contract Energy (MWh)	-	-	-	-	761	650,606	647,303	645,291	640,698
Contract Cost ($000s)	-	-	-	-	32	27,397	27,523	27,702	27,768
Contract Cost ($/MWh)	-	-	-	-	42	42	43	43	43
Paired Storage P1									
Contract Energy (MWh)	-	-	-	-	0	(26,842)	(27,834)	(30,343)	(31,344)
Contract Cost ($000s)	-	-	-	-	36	13,374	13,374	13,374	13,374
Contract Cost ($/MWh)	-	-	-	-	7,049,335,904	(498)	(480)	(441)	(427)
Solar P2									
Contract Energy (MWh)	-	-	-	-	-	867,474	863,071	860,388	854,264
Contract Cost ($000s)	-	-	-	-	-	35,827	36,301	36,850	37,246
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44
Storage P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Wind P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
638,056	634,753	632,716	628,094	624,846	622,204	620,141	615,599	612,956	609,654	607,566
27,590	27,390	27,238	26,983	26,781	26,717	26,685	26,538	26,480	26,392	26,356
43	43	43	43	43	43	43	43	43	43	43
(31,786)	(32,921)	(33,461)	(34,980)	(35,707)	(36,023)	(36,178)	(36,179)	(36,344)	(36,876)	(37,108)
13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374
(421)	(406)	(400)	(382)	(375)	(371)	(370)	(370)	(368)	(363)	(360)
850,741	846,338	843,622	837,029	833,128	829,605	826,855	820,798	817,275	812,872	810,089
37,314	37,349	37,465	37,407	37,466	37,689	37,944	38,052	38,281	38,465	38,730
44	44	44	45	45	45	46	46	47	47	48
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Portfolio:	Replacements D
Scenario:	Economy-Wide Decarbonization

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Purchase 200 MW PY2022/23									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Gap MW_Portfolio D_EWD									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	1,437	886	3,381	6,514	5,984	15,512	22,512
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-
Contract Cost ($/MWh)	-	-			-	-	-	-	-
Short Term Capacity #4									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)		-	-	-	-	-	-	-	-
Barton Wind Contract									
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
Buffalo Ridge Contract									
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
DSM_Residential_FiledPlan									
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-
Jordan Creek									
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
26,777	31,512	34,231	35,077	30,474	33,160	35,746	39,416	43,629	47,984	55,370
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
110,526	107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072

LFIT - Biomass									
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-
Contract Cost ($000s)	13,381	13,649	12,897	13,356	13,628	13,190	12,620	11,984	-
Contract Cost ($/MWh)	127	129	122	126	129	125	120	113	-
LFIT - Biomass FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0									
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542
Contract Cost ($000s)	7,222	7,366	7,288	7,454	7,552	7,511	7,442	7,376	-
Contract Cost ($/MWh)	311	317	314	321	328	328	327	325	-
LFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187
Contract Cost ($000s)	957	957	895	902	896	848	793	734	664
Contract Cost ($/MWh)	150	150	140	142	142	135	127	118	107
LFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219
Contract Cost ($000s)	487	885	823	829	824	777	721	662	593
Contract Cost ($/MWh)	138	138	128	130	130	123	115	106	95
LFIT - Wind FIT 1.0									
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478
Contract Cost ($000s)	93	95	92	95	97	96	94	92	-
Contract Cost ($/MWh)	195	199	193	199	203	201	197	192	-
LFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185
Contract Cost ($000s)	-	440	409	414	414	392	366	338	304
Contract Cost ($/MWh)	-	138	128	130	130	123	115	106	95

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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
22,449	22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
6,162	6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
619	596	-	-	-	-	-	-	-	-	-
100	97	-	-	-	-	-	-	-	-	-
6,193	6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
547	525	499	483	463	464	472	-	-	-	-
88	85	81	79	76	77	78	-	-	-	-
478	478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
281	271	260	252	243	245	250	-	-	-	-
88	85	81	79	76	77	78	-	-	-	-

RFP PPA Brickyard Solar									
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Gibson Solar									
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Green River Solar									
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Solar)									
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Storage)									
Contract Energy (MWh)	-	(45)	(1,369)	(2,162)	(3,021)	(3,095)	(3,061)	(3,097)	(2,555)
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA INCR II Wind									
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

430,468	428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]										
594,040	590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]										
466,390	463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]										
212,453	211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]										
(2,839)	(3,290)	(3,045)	(3,003)	(3,235)	(3,481)	(3,243)	(2,662)	(2,786)	(3,423)	(3,293)
[redacted]										
679,945	679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]										

SFIT - Solar FIT 1.0									
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088
Contract Cost ($000s)	402	410	408	417	422	421	418	416	-
Contract Cost ($/MWh)	359	366	363	372	380	381	381	379	-
SFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140
Contract Cost ($000s)	25	25	23	23	23	22	21	19	18
Contract Cost ($/MWh)	170	170	160	162	162	155	147	138	127
SFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777
Contract Cost ($000s)	75	100	118	118	118	112	105	97	88
Contract Cost ($/MWh)	156	156	147	148	148	141	133	124	114
SFIT - Wind FIT 1.0									
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-
Contract Cost ($000s)	8	8	8	9	9	9	9	8	-
Contract Cost ($/MWh)	259	265	260	267	273	271	269	266	-
SFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

1,084	1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
139	139	138	137	136	136	136	134	134	133	133
17	16	-	-	-	-	-	-	-	-	-
120	117	-	-	-	-	-	-	-	-	-
774	770	768	762	758	755	753	747	744	740	738
83	80	77	74	72	72	73	-	-	-	-
107	104	100	98	95	95	97	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan									
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25
DSM_C&I_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62
DSM_Res Tier 1_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
262	145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-	-
232,227	224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
350,646	333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
64,846	130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
9,999	10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
154	82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	-	159	83	57	44	36
107,240	99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
73,809	104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
10,670	11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
145	110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Gas Peaking P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2030									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2032									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2033									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2034									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
260,638	423,169	421,811	418,766	416,564	414,802	413,428	410,399	408,638	406,436	405,044
(2,528)	(5,463)	(7,116)	(7,927)	(9,085)	(8,831)	(8,178)	(7,104)	(6,943)	(6,552)	(5,865)
(10)	(13)	(17)	(19)	(22)	(21)	(20)	(17)	(17)	(16)	(14)
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	192,443	312,423	311,102	310,071	307,799	306,478	304,827	303,783
-	-	-	(3,451)	(6,502)	(6,312)	(5,823)	(5,020)	(4,901)	(4,609)	(4,095)
-	-	-	(18)	(21)	(20)	(19)	(16)	(16)	(15)	(13)
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Hydrogen P1_5 Percent H2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P1_95 Percent Gas									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P1_Full H2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Solar P1									
Contract Energy (MWh)	-	-	-	-	761	650,606	647,303	645,291	640,698
Contract Cost ($000s)	-	-	-	-	26	17,638	12,506	6,808	410
Contract Cost ($/MWh)	-	-	-	-	34	27	19	11	1
Paired Storage P1									
Contract Energy (MWh)	-	-	-	-	-	(21,114)	(19,838)	(20,735)	(16,406)
Contract Cost ($000s)	-	-	-	-	36	13,374	13,374	13,374	13,374
Contract Cost ($/MWh)	-	-	-	-	-	(633)	(674)	(645)	(815)
Solar P2									
Contract Energy (MWh)	-	-	-	-	-	867,474	863,071	860,388	854,264
Contract Cost ($000s)	-	-	-	-	-	22,815	16,286	8,991	769
Contract Cost ($/MWh)	-	-	-	-	-	26	19	10	1
Storage P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Wind P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

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-	-	-	-	-	-	-	-	-	-	-
638,056	634,753	632,716	628,148	624,846	622,204	620,141	615,599	612,956	609,654	607,566
(4,071)	(6,151)	(8,700)	(9,988)	(11,791)	(11,368)	(10,344)	(8,698)	(8,404)	(7,779)	(6,701)
(6)	(10)	(14)	(16)	(19)	(18)	(17)	(14)	(14)	(13)	(11)
(18,621)	(20,783)	(20,907)	(20,628)	(21,815)	(23,246)	(21,323)	(18,081)	(18,602)	(22,896)	(21,567)
13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374
(718)	(643)	(640)	(648)	(613)	(575)	(627)	(740)	(719)	(584)	(620)
850,741	846,338	843,622	837,531	833,128	829,605	826,855	820,798	817,275	812,872	810,089
(4,900)	(7,363)	(10,452)	(11,868)	(13,972)	(13,099)	(11,419)	(8,922)	(8,230)	(7,096)	(5,347)
(6)	(9)	(12)	(14)	(17)	(16)	(14)	(11)	(10)	(9)	(7)
-	-	-	-	-	-	-	-	-	-	-
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Contract Summary

Note that for modeling purposes, congestion expectations are incorporated in contract prices for certain renewable contracts

Portfolio:	Replacements E
Scenario:	Reference

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Purchase 200 MW PY2022/23									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Gap MW_Portfolio E_Ref									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Short Term Capacity #4									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Barton Wind Contract									
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
Buffalo Ridge Contract									
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
DSM_Residential_FiledPlan									
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-
Jordan Creek									
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
110,526	107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072

LFIT - Biomass									
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-
LFIT - Biomass FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0									
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-
LFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0									
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-
LFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
22,449	22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
6,162	6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
924	920	-	-	-	-	-	-	-	-	-
150	150	-	-	-	-	-	-	-	-	-
6,193	6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
855	850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-
478	478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	440	441	440	440	440	441	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar									
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Gibson Solar									
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Green River Solar									
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Solar)									
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Storage)									
Contract Energy (MWh)	-	(188)	(3,166)	(3,547)	(3,696)	(4,284)	(4,446)	(4,870)	(5,081)
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA INCR II Wind									
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

430,468	428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]										
594,040	590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]										
466,390	463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]										
212,453	211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]										
(5,234)	(5,419)	(5,438)	(5,515)	(5,559)	(5,604)	(5,680)	(5,686)	(5,776)	(5,759)	(5,799)
[redacted]										
679,945	679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]										

SFIT - Solar FIT 1.0									
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-
SFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0									
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-
SFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

1,084	1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
139	139	138	137	136	136	136	134	134	133	133
24	24	-	-	-	-	-	-	-	-	-
170	170	-	-	-	-	-	-	-	-	-
774	770	768	762	758	755	753	747	744	740	738
121	120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan									
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25
DSM_C&I_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62
DSM_Res Tier 1_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
262	145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-	-
232,227	224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
350,646	333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
64,846	130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
9,999	10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
154	82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	-	159	83	57	44	36
107,240	99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
73,809	104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
10,670	11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
145	110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Gas Peaking P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2030									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2032									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2033									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2034									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
195,479	317,377	316,358	314,074	312,423	311,102	310,071	307,799	306,478	304,827	303,783
9,422	15,298	15,248	15,138	15,059	14,995	14,945	14,836	14,772	14,693	14,642
48	48	48	48	48	48	48	48	48	48	48
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	317,703	516,784	512,999	510,797	508,045	506,305
-	-	-	-	-	16,060	26,123	25,932	25,821	25,682	25,594
-	-	-	-	-	51	51	51	51	51	51

Hydrogen P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P1									
Contract Energy (MWh)	-	-	-	42,545	43,096	27,404	20,665	22,654	27,328
Contract Cost ($000s)	-	-	-	3,771	5,326	4,698	4,421	4,570	4,843
Contract Cost ($/MWh)	-	-	-	89	124	171	214	202	177
Other Thermal P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	2,555	4,464	4,560	4,644
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Solar P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Storage P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Solar P2									
Contract Energy (MWh)	-	-	-	-	-	542,171	539,419	537,743	533,915
Contract Cost ($000s)	-	-	-	-	-	22,392	22,688	23,032	23,279
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44
Storage P2									
Contract Energy (MWh)	-	-	-	-	-	(23,012)	(48,125)	(49,062)	(51,167)
Contract Cost ($000s)	-	-	-	-	-	1,671	3,350	3,359	3,364
Contract Cost ($/MWh)	-	-	-	-	-	(73)	(70)	(68)	(66)
Wind P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
25,380	22,220	18,541	18,211	6,394	-	-	-	-	-	-
4,791	4,665	4,486	4,506	1,851	-	-	-	-	-	-
189	210	242	247	290	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
4,740	4,836	4,932	5,028	5,136	5,232	2,240	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
531,713	528,961	527,264	523,457	520,705	518,503	516,784	512,999	510,797	508,045	506,305
23,321	23,343	23,416	23,393	23,416	23,556	23,715	23,783	23,926	24,041	24,206
44	44	44	45	45	45	46	46	47	47	48
(52,981)	(54,833)	(55,093)	(56,740)	(56,723)	(56,239)	(57,205)	(57,929)	(58,536)	(58,715)	(58,741)
3,373	3,381	3,389	3,398	3,403	3,411	3,420	3,428	3,437	3,445	3,453
(64)	(62)	(62)	(60)	(60)	(61)	(60)	(59)	(59)	(59)	(59)
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Portfolio:	Replacements E
Scenario:	Aggressive Environmental Regulation

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Purchase 200 MW PY2022/23									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-
Gap MW_Portfolio E_AER									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Short Term Capacity #4									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Barton Wind Contract									
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
Buffalo Ridge Contract									
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
DSM_Residential_FiledPlan									
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-
Jordan Creek									
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	2,253	5,386	7,847	5,599	7,990	9,300	8,082	9,185
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
110,526	107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072

LFIT - Biomass									
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-
LFIT - Biomass FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0									
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-
LFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0									
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-
LFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
22,449	22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
6,162	6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
924	920	-	-	-	-	-	-	-	-	-
150	150	-	-	-	-	-	-	-	-	-
6,193	6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
855	850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-
478	478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	440	441	440	440	440	441	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar									
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Gibson Solar									
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Green River Solar									
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Solar)									
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Storage)									
Contract Energy (MWh)	-	(225)	(3,459)	(3,636)	(3,800)	(4,243)	(4,434)	(4,861)	(5,437)
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA INCR II Wind									
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

430,468	428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]										
594,040	590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]										
466,390	463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]										
212,453	211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]										
(5,445)	(5,657)	(5,739)	(5,698)	(5,669)	(5,707)	(5,772)	(5,757)	(5,726)	(5,739)	(5,697)
[redacted]										
679,945	679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]										

SFIT - Solar FIT 1.0									
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-
SFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0									
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-
SFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

1,084	1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
139	139	138	137	136	136	136	134	134	133	133
24	24	-	-	-	-	-	-	-	-	-
170	170	-	-	-	-	-	-	-	-	-
774	770	768	762	758	755	753	747	744	740	738
121	120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan									
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25
DSM_C&I_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62
DSM_Res Tier 1_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
262	145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-	-
232,227	224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
350,646	333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
64,846	130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
9,999	10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
154	82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	-	159	83	57	44	36
107,240	99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
73,809	104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
10,670	11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
145	110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Gas Peaking P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2030									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2032									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2033									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2034									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
195,479	317,377	316,358	314,074	312,423	311,102	310,071	307,799	306,478	304,827	303,783
7,804	12,670	12,629	12,538	12,472	12,419	12,378	12,287	12,235	12,169	12,127
40	40	40	40	40	40	40	40	40	40	40
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	317,703	516,784	512,999	510,797	508,045	506,305
-	-	-	-	-	16,060	26,123	25,932	25,821	25,682	25,594
-	-	-	-	-	51	51	51	51	51	51

Hydrogen P1_5 Percent H2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P1_95 Percent Gas									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P1_Full H2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P1									
Contract Energy (MWh)	-	-	-	24,178	11,137	8,538	4,587	2,353	4,421
Contract Cost ($000s)	-	-	-	3,166	4,018	3,923	3,690	3,540	3,701
Contract Cost ($/MWh)	-	-	-	131	361	459	805	1,505	837
Other Thermal P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	2,555	4,464	4,560	4,644
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Solar P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Storage P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Solar P2									
Contract Energy (MWh)	-	-	-	-	-	542,171	539,419	537,743	533,915
Contract Cost ($000s)	-	-	-	-	-	22,392	22,688	23,032	23,279
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44
Storage P2									
Contract Energy (MWh)	-	-	-	-	-	(21,725)	(43,992)	(45,848)	(49,804)
Contract Cost ($000s)	-	-	-	-	-	1,671	3,350	3,359	3,364
Contract Cost ($/MWh)	-	-	-	-	-	(77)	(76)	(73)	(68)
Wind P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3,825	5,055	5,592	4,222	1,508	-	-	-	-	-	-
3,671	3,786	3,840	3,738	1,557	-	-	-	-	-	-
960	749	687	885	1,033	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
4,740	4,836	4,932	5,028	5,136	5,232	2,240	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
531,713	528,961	527,264	523,457	520,705	518,503	516,784	512,999	510,797	508,045	506,305
23,321	23,343	23,416	23,393	23,416	23,556	23,715	23,783	23,926	24,041	24,206
44	44	44	45	45	45	46	46	47	47	48
(50,194)	(53,757)	(55,438)	(53,996)	(52,549)	(52,378)	(51,577)	(51,539)	(51,573)	(51,752)	(50,794)
3,373	3,381	3,389	3,398	3,403	3,411	3,420	3,428	3,437	3,445	3,453
(67)	(63)	(61)	(63)	(65)	(65)	(66)	(67)	(67)	(67)	(68)
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Portfolio:	Replacements E
Scenario:	Status Quo Extended

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Purchase 200 MW PY2022/23									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-
Gap MW_Portfolio E_SQE									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Short Term Capacity #4									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Barton Wind Contract									
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
Buffalo Ridge Contract									
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
DSM_Residential_FiledPlan									
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-
Jordan Creek									
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
110,526	107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
1,285,776	1,285,776	1,288,072	1,285,513	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072

LFIT - Biomass									
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-
LFIT - Biomass FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0									
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-
LFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0									
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-
LFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
22,449	22,333	22,281	22,088	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
6,162	6,130	6,116	6,063	6,065	6,039	6,024	5,975	5,949	5,917	5,902
924	920	-	-	-	-	-	-	-	-	-
150	150	-	-	-	-	-	-	-	-	-
6,193	6,161	6,146	6,093	6,065	6,039	6,024	5,975	5,949	5,917	5,902
855	850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-
478	478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3,185	3,185	3,196	3,184	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	440	441	439	440	440	441	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar									
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Gibson Solar									
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Green River Solar									
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Solar)									
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Storage)									
Contract Energy (MWh)	-	(156)	(3,514)	(3,686)	(4,076)	(4,384)	(4,500)	(4,865)	(5,040)
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA INCR II Wind									
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

430,468	428,240	427,002	423,542	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]										
594,040	590,965	590,176	584,619	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]										
466,390	463,976	462,653	458,882	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]										
212,453	211,353	210,776	209,101	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]										
(5,091)	(5,222)	(5,291)	(5,492)	(5,550)	(5,562)	(5,583)	(5,617)	(5,605)	(5,699)	(5,726)
[redacted]										
679,945	679,945	682,074	679,875	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]										

SFIT - Solar FIT 1.0									
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-
SFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0									
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-
SFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

1,084	1,078	1,076	1,066	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
139	139	138	137	136	136	136	134	134	133	133
24	24	-	-	-	-	-	-	-	-	-
170	170	-	-	-	-	-	-	-	-	-
774	770	768	762	758	755	753	747	744	740	738
121	120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan									
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25
DSM_C&I_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62
DSM_Res Tier 1_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
262	145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-	-
232,227	224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
350,646	333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
64,846	130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
9,999	10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
154	82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	-	159	83	57	44	36
107,240	99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
73,809	104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
10,670	11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
145	110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Gas Peaking P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2030									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2032									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2033									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2034									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
195,479	317,377	316,358	314,074	312,423	311,102	310,071	307,799	306,478	304,827	303,783
9,422	15,298	15,248	15,138	15,059	14,995	14,945	14,836	14,772	14,693	14,642
48	48	48	48	48	48	48	48	48	48	48
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	317,703	516,784	512,999	510,797	508,045	506,305
-	-	-	-	-	16,060	26,123	25,932	25,821	25,682	25,594
-	-	-	-	-	51	51	51	51	51	51

Hydrogen P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P1									
Contract Energy (MWh)	-	-	-	92,983	149,599	136,437	113,362	106,213	105,882
Contract Cost ($000s)	-	-	-	4,826	8,094	7,849	7,211	7,050	7,069
Contract Cost ($/MWh)	-	-	-	52	54	58	64	66	67
Other Thermal P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	2,555	4,464	4,560	4,644
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Solar P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Storage P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Solar P2									
Contract Energy (MWh)	-	-	-	-	-	542,171	539,419	537,743	533,915
Contract Cost ($000s)	-	-	-	-	-	22,392	22,688	23,032	23,279
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44
Storage P2									
Contract Energy (MWh)	-	-	-	-	-	(23,568)	(48,863)	(50,690)	(51,324)
Contract Cost ($000s)	-	-	-	-	-	1,671	3,350	3,359	3,364
Contract Cost ($/MWh)	-	-	-	-	-	(71)	(69)	(66)	(66)
Wind P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
102,369	93,114	88,899	83,722	30,353	-	-	-	-	-	-
6,979	6,744	6,642	6,535	2,685	-	-	-	-	-	-
68	72	75	78	88	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
4,740	4,836	4,932	5,028	5,136	5,232	2,240	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
531,713	528,961	527,264	523,143	520,705	518,503	516,784	512,999	510,797	508,045	506,305
23,321	23,343	23,416	23,379	23,416	23,556	23,715	23,783	23,926	24,041	24,206
44	44	44	45	45	45	46	46	47	47	48
(51,396)	(52,372)	(53,202)	(56,077)	(56,436)	(55,293)	(55,747)	(55,443)	(57,052)	(57,702)	(56,778)
3,373	3,381	3,389	3,398	3,403	3,411	3,420	3,428	3,437	3,445	3,453
(66)	(65)	(64)	(61)	(60)	(62)	(61)	(62)	(60)	(60)	(61)
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Portfolio:	Replacements E
Scenario:	Economy-Wide Decarbonization

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Purchase 200 MW PY2022/23									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-
Gap MW_Portfolio E_EWD									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	1,437	326	242	2,996	82	5,885	10,691
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Short Term Capacity #4									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)		-	-	-	-	-	-	-	-
Barton Wind Contract									
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
Buffalo Ridge Contract									
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
DSM_Residential_FiledPlan									
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-
Jordan Creek									
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
13,400	17,383	15,629	18,796	22,741	26,319	24,974	30,331	34,547	38,951	46,161
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
110,526	107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072

LFIT - Biomass									
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-
Contract Cost ($000s)	13,381	13,649	12,897	13,356	13,628	13,190	12,620	11,984	-
Contract Cost ($/MWh)	127	129	122	126	129	125	120	113	-
LFIT - Biomass FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0									
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542
Contract Cost ($000s)	7,222	7,366	7,288	7,454	7,552	7,511	7,442	7,376	-
Contract Cost ($/MWh)	311	317	314	321	328	328	327	325	-
LFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187
Contract Cost ($000s)	957	957	895	902	896	848	793	734	664
Contract Cost ($/MWh)	150	150	140	142	142	135	127	118	107
LFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219
Contract Cost ($000s)	487	885	823	829	824	777	721	662	593
Contract Cost ($/MWh)	138	138	128	130	130	123	115	106	95
LFIT - Wind FIT 1.0									
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478
Contract Cost ($000s)	93	95	92	95	97	96	94	92	-
Contract Cost ($/MWh)	195	199	193	199	203	201	197	192	-
LFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185
Contract Cost ($000s)	-	440	409	414	414	392	366	338	304
Contract Cost ($/MWh)	-	138	128	130	130	123	115	106	95

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
22,449	22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
6,162	6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
619	596	-	-	-	-	-	-	-	-	-
100	97	-	-	-	-	-	-	-	-	-
6,193	6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
547	525	499	483	463	464	472	-	-	-	-
88	85	81	79	76	77	78	-	-	-	-
478	478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
281	271	260	252	243	245	250	-	-	-	-
88	85	81	79	76	77	78	-	-	-	-

RFP PPA Brickyard Solar									
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Gibson Solar									
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Green River Solar									
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Solar)									
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Storage)									
Contract Energy (MWh)	-	(45)	(1,369)	(2,162)	(3,021)	(3,095)	(3,061)	(3,097)	(2,555)
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA INCR II Wind									
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

430,468	428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]										
594,040	590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]										
466,390	463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]										
212,453	211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]										
(2,839)	(3,290)	(3,045)	(3,003)	(3,235)	(3,481)	(3,243)	(2,662)	(2,786)	(3,423)	(3,293)
[redacted]										
679,945	679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]										

SFIT - Solar FIT 1.0									
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088
Contract Cost ($000s)	402	410	408	417	422	421	418	416	-
Contract Cost ($/MWh)	359	366	363	372	380	381	381	379	-
SFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140
Contract Cost ($000s)	25	25	23	23	23	22	21	19	18
Contract Cost ($/MWh)	170	170	160	162	162	155	147	138	127
SFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777
Contract Cost ($000s)	75	100	118	118	118	112	105	97	88
Contract Cost ($/MWh)	156	156	147	148	148	141	133	124	114
SFIT - Wind FIT 1.0									
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-
Contract Cost ($000s)	8	8	8	9	9	9	9	8	-
Contract Cost ($/MWh)	259	265	260	267	273	271	269	266	-
SFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

1,084	1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
139	139	138	137	136	136	136	134	134	133	133
17	16	-	-	-	-	-	-	-	-	-
120	117	-	-	-	-	-	-	-	-	-
774	770	768	762	758	755	753	747	744	740	738
83	80	77	74	72	72	73	-	-	-	-
107	104	100	98	95	95	97	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan									
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25
DSM_C&I_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62
DSM_Res Tier 1_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
262	145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-	-
232,227	224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
350,646	333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
64,846	130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
9,999	10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
154	82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	-	159	83	57	44	36
107,240	99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
73,809	104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
10,670	11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
145	110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Gas Peaking P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2030									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2032									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2033									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2034									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_EWD_PPA_2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
195,479	317,377	316,358	314,074	312,423	311,102	310,071	307,799	306,478	304,827	303,783
(1,896)	(4,097)	(5,337)	(5,945)	(6,814)	(6,623)	(6,133)	(5,328)	(5,207)	(4,914)	(4,399)
(10)	(13)	(17)	(19)	(22)	(21)	(20)	(17)	(17)	(16)	(14)
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	317,703	516,784	512,999	510,797	508,045	506,305
-	-	-	-	-	(6,176)	(9,266)	(7,931)	(7,733)	(7,250)	(6,395)
-	-	-	-	-	(19)	(18)	(15)	(15)	(14)	(13)

Hydrogen P1_5 Percent H2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P1_95 Percent Gas									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P1_Full H2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P1									
Contract Energy (MWh)	-	-	-	39,544	37,888	28,137	24,467	17,181	20,730
Contract Cost ($000s)	-	-	-	3,654	5,097	4,721	4,607	4,281	4,489
Contract Cost ($/MWh)	-	-	-	92	135	168	188	249	217
Other Thermal P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	2,555	4,464	4,560	4,644
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Solar P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Storage P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Solar P2									
Contract Energy (MWh)	-	-	-	-	-	542,171	539,419	537,743	533,915
Contract Cost ($000s)	-	-	-	-	-	14,259	10,179	5,619	481
Contract Cost ($/MWh)	-	-	-	-	-	26	19	10	1
Storage P2									
Contract Energy (MWh)	-	-	-	-	-	(26,229)	(53,737)	(55,447)	(56,704)
Contract Cost ($000s)	-	-	-	-	-	1,671	3,350	3,359	3,364
Contract Cost ($/MWh)	-	-	-	-	-	(64)	(62)	(61)	(59)
Wind P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
22,239	26,688	26,375	23,905	8,468	-	-	-	-	-	-
4,616	4,926	4,953	4,846	1,985	-	-	-	-	-	-
208	185	188	203	234	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
4,740	4,836	4,932	5,028	5,136	5,232	2,240	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
531,713	528,961	527,264	523,457	520,705	518,503	516,784	512,999	510,797	508,045	506,305
(3,063)	(4,602)	(6,533)	(7,417)	(8,732)	(8,187)	(7,137)	(5,576)	(5,144)	(4,435)	(3,342)
(6)	(9)	(12)	(14)	(17)	(16)	(14)	(11)	(10)	(9)	(7)
(57,102)	(56,323)	(57,221)	(58,582)	(56,699)	(54,303)	(54,269)	(52,604)	(52,031)	(52,210)	(51,517)
3,373	3,381	3,389	3,398	3,403	3,411	3,420	3,428	3,437	3,445	3,453
(59)	(60)	(59)	(58)	(60)	(63)	(63)	(65)	(66)	(66)	(67)
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Contract Summary

Note that for modeling purposes, congestion expectations are incorporated in contract prices for certain renewable contracts

Portfolio:	Replacements F
Scenario:	Reference

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Purchase 200 MW PY2022/23									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Gap MW_Portfolio F_Ref									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)									
Contract Energy (MWh)			-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)									
Contract Energy (MWh)	-			-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)									
Contract Energy (MWh)	-	-			-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-
Contract Cost ($/MWh)	-	-			-	-	-	-	-
Short Term Capacity #4									
Contract Energy (MWh)		-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)		-	-	-	-	-	-	-	-
Barton Wind Contract									
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
Buffalo Ridge Contract									
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
DSM_Residential_FiledPlan									
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-
Jordan Creek									
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
110,526	107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

[redacted]

LFIT - Biomass									
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-
LFIT - Biomass FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0									
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-
LFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0									
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-
LFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
22,449	22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
6,162	6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
924	920	-	-	-	-	-	-	-	-	-
150	150	-	-	-	-	-	-	-	-	-
6,193	6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
855	850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-
478	478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	440	441	440	440	440	441	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar									
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Gibson Solar									
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Green River Solar									
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Solar)									
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Storage)									
Contract Energy (MWh)	-	(188)	(3,166)	(3,547)	(3,696)	(4,284)	(4,446)	(4,870)	(5,081)
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA INCR II Wind									
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

430,468	428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]										
594,040	590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]										
466,390	463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]										
212,453	211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]										
(5,234)	(5,419)	(5,438)	(5,515)	(5,559)	(5,604)	(5,680)	(5,686)	(5,776)	(5,759)	(5,799)
[redacted]										
679,945	679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]										

SFIT - Solar FIT 1.0									
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-
SFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0									
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-
SFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

1,084	1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
139	139	138	137	136	136	136	134	134	133	133
24	24	-	-	-	-	-	-	-	-	-
170	170	-	-	-	-	-	-	-	-	-
774	770	768	762	758	755	753	747	744	740	738
121	120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan									
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25
DSM_C&I_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62
DSM_Res Tier 1_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
262	145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-	-
232,227	224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
350,646	333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
64,846	130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
9,999	10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
154	82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	-	159	83	57	44	36
107,240	99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
73,809	104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
10,670	11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
145	110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Gas Peaking P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2030									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2032									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2033									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2034									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_Ref_PPA_2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
195,479	317,377	316,358	314,074	312,423	311,102	310,071	307,799	306,478	304,827	303,783
9,422	15,298	15,248	15,138	15,059	14,995	14,945	14,836	14,772	14,693	14,642
48	48	48	48	48	48	48	48	48	48	48
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	317,703	516,784	512,999	510,797	508,045	506,305
-	-	-	-	-	16,060	26,123	25,932	25,821	25,682	25,594
-	-	-	-	-	51	51	51	51	51	51

Hydrogen P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P1									
Contract Energy (MWh)	-	-	-	42,545	43,096	27,404	20,665	22,654	27,328
Contract Cost ($000s)	-	-	-	3,771	5,326	4,698	4,421	4,570	4,843
Contract Cost ($/MWh)	-	-	-	89	124	171	214	202	177
Other Thermal P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	2,555	4,464	4,560	4,644
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Solar P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Storage P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Solar P2									
Contract Energy (MWh)	-	-	-	-	-	216,869	215,768	215,097	213,566
Contract Cost ($000s)	-	-	-	-	-	8,957	9,075	9,213	9,311
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44
Storage P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Wind P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
25,380	22,220	18,541	18,211	6,394	-	-	-	-	-	-
4,791	4,665	4,486	4,506	1,851	-	-	-	-	-	-
189	210	242	247	290	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
4,740	4,836	4,932	5,028	5,136	5,232	2,240	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
212,685	211,584	210,905	209,383	208,282	207,401	206,714	205,200	204,319	203,218	202,522
9,328	9,337	9,366	9,357	9,366	9,422	9,486	9,513	9,570	9,616	9,683
44	44	44	45	45	45	46	46	47	47	48
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Portfolio:	Replacements F
Scenario:	Aggressive Environmental Regulation

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Purchase 200 MW PY2022/23									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Gap MW_Portfolio F_AER									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Short Term Capacity #4									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Barton Wind Contract									
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
Buffalo Ridge Contract									
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
DSM_Residential_FiledPlan									
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-
Jordan Creek									
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	2,164	4,727	7,528	9,634	10,165	9,348	10,418	8,960	9,837
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
110,526	107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072

LFIT - Biomass									
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-
LFIT - Biomass FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0									
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-
LFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0									
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-
LFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
22,449	22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
6,162	6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
924	920	-	-	-	-	-	-	-	-	-
150	150	-	-	-	-	-	-	-	-	-
6,193	6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
855	850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-
478	478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	440	441	440	440	440	441	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar									
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Gibson Solar									
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Green River Solar									
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Solar)									
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Storage)									
Contract Energy (MWh)	-	(225)	(3,459)	(3,636)	(3,800)	(4,243)	(4,434)	(4,861)	(5,437)
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA INCR II Wind									
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

430,468	428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]										
594,040	590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]										
466,390	463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]										
212,453	211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]										
(5,445)	(5,657)	(5,739)	(5,698)	(5,669)	(5,707)	(5,772)	(5,757)	(5,726)	(5,739)	(5,697)
[redacted]										
679,945	679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]										

SFIT - Solar FIT 1.0									
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-
SFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0									
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-
SFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

1,084	1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
139	139	138	137	136	136	136	134	134	133	133
24	24	-	-	-	-	-	-	-	-	-
170	170	-	-	-	-	-	-	-	-	-
774	770	768	762	758	755	753	747	744	740	738
121	120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan									
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25
DSM_C&I_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62
DSM_Res Tier 1_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
262	145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-	-
232,227	224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
350,646	333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
64,846	130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
9,999	10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
154	82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	-	159	83	57	44	36
107,240	99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
73,809	104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
10,670	11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
145	110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Gas Peaking P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2030									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2032									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2033									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2034									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_AER_PPA_2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
195,479	317,377	316,358	314,074	312,423	311,102	310,071	307,799	306,478	304,827	303,783
7,804	12,670	12,629	12,538	12,472	12,419	12,378	12,287	12,235	12,169	12,127
40	40	40	40	40	40	40	40	40	40	40
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	317,703	516,784	512,999	510,797	508,045	506,305
-	-	-	-	-	16,060	26,123	25,932	25,821	25,682	25,594
-	-	-	-	-	51	51	51	51	51	51

Hydrogen P1_5 Percent H2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P1_95 Percent Gas									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P1_Full H2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P1									
Contract Energy (MWh)	-	-	-	24,178	11,137	8,538	4,587	2,353	4,421
Contract Cost ($000s)	-	-	-	3,166	4,018	3,923	3,690	3,540	3,701
Contract Cost ($/MWh)	-	-	-	131	361	459	805	1,505	837
Other Thermal P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	2,555	4,464	4,560	4,644
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Solar P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Storage P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Solar P2									
Contract Energy (MWh)	-	-	-	-	-	216,869	215,768	215,097	213,566
Contract Cost ($000s)	-	-	-	-	-	8,957	9,075	9,213	9,311
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44
Storage P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Wind P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3,825	5,055	5,592	4,222	1,508	-	-	-	-	-	-
3,671	3,786	3,840	3,738	1,557	-	-	-	-	-	-
960	749	687	885	1,033	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
4,740	4,836	4,932	5,028	5,136	5,232	2,240	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
212,685	211,584	210,905	209,383	208,282	207,401	206,714	205,200	204,319	203,218	202,522
9,328	9,337	9,366	9,357	9,366	9,422	9,486	9,513	9,570	9,616	9,683
44	44	44	45	45	45	46	46	47	47	48
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Portfolio:	Replacements F
Scenario:	Status Quo Extended

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Purchase 200 MW PY2022/23									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-
Gap MW_Portfolio F_SQE									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2021 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2022 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity_2023 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-
Contract Cost ($/MWh)	-	-			-	-	-	-	-
Short Term Capacity #4									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)		-	-	-	-	-	-	-	-
Barton Wind Contract									
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
Buffalo Ridge Contract									
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
DSM_Residential_FiledPlan									
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-
Jordan Creek									
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
110,526	107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
1,285,776	1,285,776	1,288,072	1,285,513	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072

LFIT - Biomass									
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-
LFIT - Biomass FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0									
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-
LFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0									
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-
LFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
22,449	22,333	22,281	22,088	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
6,162	6,130	6,116	6,063	6,065	6,039	6,024	5,975	5,949	5,917	5,902
924	920	-	-	-	-	-	-	-	-	-
150	150	-	-	-	-	-	-	-	-	-
6,193	6,161	6,146	6,093	6,065	6,039	6,024	5,975	5,949	5,917	5,902
855	850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-
478	478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3,185	3,185	3,196	3,184	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	440	441	439	440	440	441	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar									
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Gibson Solar									
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Green River Solar									
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Solar)									
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Storage)									
Contract Energy (MWh)	-	(156)	(3,514)	(3,686)	(4,076)	(4,384)	(4,500)	(4,865)	(5,040)
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA INCR II Wind									
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

430,468	428,240	427,002	423,542	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]										
594,040	590,965	590,176	584,619	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]										
466,390	463,976	462,653	458,882	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]										
212,453	211,353	210,776	209,101	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]										
(5,091)	(5,222)	(5,291)	(5,492)	(5,550)	(5,562)	(5,583)	(5,617)	(5,605)	(5,699)	(5,726)
[redacted]										
679,945	679,945	682,074	679,875	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]										

SFIT - Solar FIT 1.0									
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-
SFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0									
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-
SFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

1,084	1,078	1,076	1,066	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
139	139	138	137	136	136	136	134	134	133	133
24	24	-	-	-	-	-	-	-	-	-
170	170	-	-	-	-	-	-	-	-	-
774	770	768	762	758	755	753	747	744	740	738
121	120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

DR_Rates_RAP_Alt.									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_FiledPlan									
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25
DSM_C&I_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_C&I_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2024-2029									
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62
DSM_Res Tier 1_RAP_Alt._2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM_Res Tier 1_RAP_Alt._2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
262	145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-	-
232,227	224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
350,646	333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
64,846	130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
9,999	10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
154	82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	-	159	83	57	44	36
107,240	99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
73,809	104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
10,670	11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
145	110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Gas Peaking P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2030									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2032									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2033									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2034									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar_SQE_PPA_2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
195,479	317,377	316,358	314,074	312,423	311,102	310,071	307,799	306,478	304,827	303,783
9,422	15,298	15,248	15,138	15,059	14,995	14,945	14,836	14,772	14,693	14,642
48	48	48	48	48	48	48	48	48	48	48
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	317,703	516,784	512,999	510,797	508,045	506,305
-	-	-	-	-	16,060	26,123	25,932	25,821	25,682	25,594
-	-	-	-	-	51	51	51	51	51	51

Hydrogen P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P1									
Contract Energy (MWh)	-	-	-	92,983	149,599	136,437	113,362	106,213	105,882
Contract Cost ($000s)	-	-	-	4,826	8,094	7,849	7,211	7,050	7,069
Contract Cost ($/MWh)	-	-	-	52	54	58	64	66	67
Other Thermal P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	2,555	4,464	4,560	4,644
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Solar P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Storage P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Solar P2									
Contract Energy (MWh)	-	-	-	-	-	216,869	215,768	215,097	213,566
Contract Cost ($000s)	-	-	-	-	-	8,957	9,075	9,213	9,311
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44
Storage P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Wind P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
102,369	93,114	88,899	83,722	30,353	-	-	-	-	-	-
6,979	6,744	6,642	6,535	2,685	-	-	-	-	-	-
68	72	75	78	88	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
4,740	4,836	4,932	5,028	5,136	5,232	2,240	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
212,685	211,584	210,905	209,257	208,282	207,401	206,714	205,200	204,319	203,218	202,522
9,328	9,337	9,366	9,352	9,366	9,422	9,486	9,513	9,570	9,616	9,683
44	44	44	45	45	45	46	46	47	47	48
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Portfolio:	Replacements F
Scenario:	Economy-Wide Decarbonization

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Purchase 200 MW PY2022/23									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-
Gap MW Portfolio F EWD									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	1,437	326	2,197	1,394	-	5,978	10,469
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity 2021 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity 2022 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity 2023 (RFP)									
Contract Energy (MWh)	-	-			-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Short Term Capacity #4									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Barton Wind Contract									
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
Buffalo Ridge Contract									
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
DSM Residential FiledPlan									
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-
Jordan Creek									
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
12,764	16,360	18,985	21,662	25,230	28,344	30,777	31,656	35,553	39,620	46,498
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
110,526	107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
1 285 776	1 285 776	1 288 072	1 285 776	1 285 776	1 285 776	1 288 072	1 285 776	1 285 776	1 285 776	1 288 072

LFIT - Biomass									
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-
Contract Cost ($000s)	13,381	13,649	12,897	13,356	13,628	13,190	12,620	11,984	-
Contract Cost ($/MWh)	127	129	122	126	129	125	120	113	-
LFIT - Biomass FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0									
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542
Contract Cost ($000s)	7,222	7,366	7,288	7,454	7,552	7,511	7,442	7,376	-
Contract Cost ($/MWh)	311	317	314	321	328	328	327	325	-
LFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187
Contract Cost ($000s)	957	957	895	902	896	848	793	734	664
Contract Cost ($/MWh)	150	150	140	142	142	135	127	118	107
LFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219
Contract Cost ($000s)	487	885	823	829	824	777	721	662	593
Contract Cost ($/MWh)	138	138	128	130	130	123	115	106	95
LFIT - Wind FIT 1.0									
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478
Contract Cost ($000s)	93	95	92	95	97	96	94	92	-
Contract Cost ($/MWh)	195	199	193	199	203	201	197	192	-
LFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185
Contract Cost ($000s)	-	440	409	414	414	392	366	338	304
Contract Cost ($/MWh)	-	138	128	130	130	123	115	106	95

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
22,449	22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
6,162	6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
619	596	-	-	-	-	-	-	-	-	-
100	97	-	-	-	-	-	-	-	-	-
6,193	6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
547	525	499	483	463	464	472	-	-	-	-
88	85	81	79	76	77	78	-	-	-	-
478	478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
281	271	260	252	243	245	250	-	-	-	-
88	85	81	79	76	77	78	-	-	-	-

RFP PPA Brickyard Solar									
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Gibson Solar									
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Green River Solar									
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Solar)									
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Storage)									
Contract Energy (MWh)	-	(45)	(1,369)	(2,162)	(3,021)	(3,095)	(3,061)	(3,097)	(2,555)
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA INCR II Wind									
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

430,468	428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]										
594,040	590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]										
466,390	463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]										
212 453	211 353	210 776	209 154	208 054	207 175	206 587	204 975	204 096	202 996	202 398
[redacted]										
(2,839)	(3,290)	(3,045)	(3,003)	(3,235)	(3,481)	(3,243)	(2,662)	(2,786)	(3,423)	(3,293)
[redacted]										
679,945	679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]										

SFIT - Solar FIT 1.0									
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088
Contract Cost ($000s)	402	410	408	417	422	421	418	416	-
Contract Cost ($/MWh)	359	366	363	372	380	381	381	379	-
SFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140
Contract Cost ($000s)	25	25	23	23	23	22	21	19	18
Contract Cost ($/MWh)	170	170	160	162	162	155	147	138	127
SFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777
Contract Cost ($000s)	75	100	118	118	118	112	105	97	88
Contract Cost ($/MWh)	156	156	147	148	148	141	133	124	114
SFIT - Wind FIT 1.0									
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-
Contract Cost ($000s)	8	8	8	9	9	9	9	8	-
Contract Cost ($/MWh)	259	265	260	267	273	271	269	266	-
SFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

1,084	1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
139	139	138	137	136	136	136	134	134	133	133
17	16	-	-	-	-	-	-	-	-	-
120	117	-	-	-	-	-	-	-	-	-
774	770	768	762	758	755	753	747	744	740	738
83	80	77	74	72	72	73	-	-	-	-
107	104	100	98	95	95	97	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

DR Rates RAP Alt.									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM C&I FiledPlan									
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-
DSM C&I RAP Alt. 2024-2029									
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25
DSM C&I RAP Alt. 2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM C&I RAP Alt. 2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM Res Tier 1 RAP Alt. 2024-2029									
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62
DSM Res Tier 1 RAP Alt. 2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM Res Tier 1 RAP Alt. 2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
262	145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-	-
232,227	224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
350,646	333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
64,846	130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
9,999	10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
154	82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	-	159	83	57	44	36
107,240	99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
73,809	104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
10,670	11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
145	110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Gas Peaking P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar EWD PPA 2030									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar EWD PPA 2032									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar EWD PPA 2033									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar EWD PPA 2034									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar EWD PPA 2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
195,479	317,377	316,358	314,074	312,423	311,102	310,071	307,799	306,478	304,827	303,783
(1,896)	(4,097)	(5,337)	(5,945)	(6,814)	(6,623)	(6,133)	(5,328)	(5,207)	(4,914)	(4,399)
(10)	(13)	(17)	(19)	(22)	(21)	(20)	(17)	(17)	(16)	(14)
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	317,703	516,784	512,999	510,797	508,045	506,305
-	-	-	-	-	(6,176)	(9,266)	(7,931)	(7,733)	(7,250)	(6,395)
-	-	-	-	-	(19)	(18)	(15)	(15)	(14)	(13)

Hydrogen P1 5 Percent H2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P1 95 Percent Gas									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P1 Full H2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P1									
Contract Energy (MWh)	-	-	-	39,544	37,888	28,137	24,467	17,181	20,730
Contract Cost ($000s)	-	-	-	3,654	5,097	4,721	4,607	4,281	4,489
Contract Cost ($/MWh)	-	-	-	92	135	168	188	249	217
Other Thermal P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	2,555	4,464	4,560	4,644
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Solar P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Storage P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Solar P2									
Contract Energy (MWh)	-	-	-	-	-	216,869	215,768	215,097	213,566
Contract Cost ($000s)	-	-	-	-	-	5,704	4,072	2,248	192
Contract Cost ($/MWh)	-	-	-	-	-	26	19	10	1
Storage P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Wind P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
22,239	26,688	26,375	23,905	8,468	-	-	-	-	-	-
4,616	4,926	4,953	4,846	1,985	-	-	-	-	-	-
208	185	188	203	234	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
4,740	4,836	4,932	5,028	5,136	5,232	2,240	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
212,685	211,584	210,905	209,383	208,282	207,401	206,714	205,200	204,319	203,218	202,522
(1,225)	(1,841)	(2,613)	(2,967)	(3,493)	(3,275)	(2,855)	(2,231)	(2,057)	(1,774)	(1,337)
(6)	(9)	(12)	(14)	(17)	(16)	(14)	(11)	(10)	(9)	(7)
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Contract Summary

Note that for modeling purposes, congestion expectations are incorporated in contract prices for certain renewable contracts

Portfolio:	Replacements G
Scenario:	Reference

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Purchase 200 MW PY2022/23									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Gap MW Portfolio G Ref									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]	-	-	551	136	808	1,595
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity 2021 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)			-	-	-	-	-	-	-
Schahfer Capacity 2022 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity 2023 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-
Contract Cost ($/MWh)	-	-			-	-	-	-	-
Short Term Capacity #4									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Barton Wind Contract									
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
Buffalo Ridge Contract									
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
DSM Residential FiledPlan									
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-
Jordan Creek									
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
2,221	2,840	7,784	7,628	7,673	8,694	10,879	10,369	11,227	13,232	13,709
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
110,526	107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072

LFIT - Biomass									
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-
LFIT - Biomass FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0									
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-
LFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0									
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-
LFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
22,449	22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
6,162	6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
924	920	-	-	-	-	-	-	-	-	-
150	150	-	-	-	-	-	-	-	-	-
6,193	6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
855	850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-
478	478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	440	441	440	440	440	441	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar									
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Gibson Solar									
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Green River Solar									
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Solar)									
Contract Energy (MWh)	-	8 028	219 931	219 374	217 731	216 632	215 532	214 965	213 333
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Storage)									
Contract Energy (MWh)	-	(188)	(3,166)	(3,547)	(3,696)	(4,284)	(4,446)	(4,870)	(5,081)
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA INCR II Wind									
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

430,468	428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]										
594,040	590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]										
466,390	463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]										
212,453	211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]										
(5,234)	(5,419)	(5,438)	(5,515)	(5,559)	(5,604)	(5,680)	(5,686)	(5,776)	(5,759)	(5,799)
[redacted]										
679,945	679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]										

SFIT - Solar FIT 1.0									
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-
SFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0									
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-
SFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

1,084	1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
139	139	138	137	136	136	136	134	134	133	133
24	24	-	-	-	-	-	-	-	-	-
170	170	-	-	-	-	-	-	-	-	-
774	770	768	762	758	755	753	747	744	740	738
121	120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

DR Rates RAP Alt.									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM C&I FiledPlan									
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-
DSM C&I RAP Alt. 2024-2029									
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25
DSM C&I RAP Alt. 2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM C&I RAP Alt. 2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM Res Tier 1 RAP Alt. 2024-2029									
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62
DSM Res Tier 1 RAP Alt. 2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM Res Tier 1 RAP Alt. 2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
262	145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-	-
232,227	224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
350,646	333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
64,846	130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
9,999	10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
154	82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	-	159	83	57	44	36
107,240	99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
73,809	104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
10,670	11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
145	110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Gas Peaking P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar Ref PPA 2030									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar Ref PPA 2032									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar Ref PPA 2033									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar Ref PPA 2034									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar Ref PPA 2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
260,638	423,169	421,811	418,766	416,564	414,802	413,428	410,399	408,638	406,436	405,044
12,563	20,397	20,331	20,184	20,078	19,993	19,927	19,781	19,696	19,590	19,523
48	48	48	48	48	48	48	48	48	48	48
-	-	644,850	1,046,914	1,041,410	1,037,006	1,033,569	1,025,998	1,021,594	1,016,090	1,012,611
-	-	31,636	51,362	51,092	50,876	50,707	50,335	50,119	49,849	49,679
-	-	49	49	49	49	49	49	49	49	49
-	-	-	192,443	312,423	311,102	310,071	307,799	306,478	304,827	303,783
-	-	-	9,526	15,465	15,400	15,348	15,236	15,171	15,089	15,037
-	-	-	50	49	50	49	50	50	50	49
-	-	-	-	191,431	311,102	310,071	307,799	306,478	304,827	303,783
-	-	-	-	9,558	15,533	15,482	15,368	15,302	15,220	15,168
-	-	-	-	50	50	50	50	50	50	50
-	-	-	-	-	317,703	516,784	512,999	510,797	508,045	506,305
-	-	-	-	-	16,060	26,123	25,932	25,821	25,682	25,594
-	-	-	-	-	51	51	51	51	51	51

Hydrogen P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Solar P1									
Contract Energy (MWh)	-	-	-	-	761	650,606	647,303	645,291	640,698
Contract Cost ($000s)	-	-	-	-	32	27,397	27,523	27,702	27,768
Contract Cost ($/MWh)	-	-	-	-	42	42	43	43	43
Paired Storage P1									
Contract Energy (MWh)	-	-	-	-	(77)	(26,189)	(27,103)	(29,752)	(31,491)
Contract Cost ($000s)	-	-	-	-	36	13,374	13,374	13,374	13,374
Contract Cost ($/MWh)	-	-	-	-	(467)	(511)	(493)	(450)	(425)
Solar P2									
Contract Energy (MWh)	-	-	-	-	-	975,909	970,955	967,937	961,047
Contract Cost ($000s)	-	-	-	-	-	40,305	40,838	41,457	41,902
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44
Storage P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Wind P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
638,056	634,753	632,716	628,148	624,846	622,204	620,141	615,599	612,956	609,654	607,566
27,590	27,390	27,238	26,985	26,781	26,717	26,685	26,538	26,480	26,392	26,356
43	43	43	43	43	43	43	43	43	43	43
(32,597)	(34,439)	(34,683)	(35,499)	(35,932)	(36,466)	(36,990)	(37,114)	(37,843)	(37,611)	(38,028)
13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374
(410)	(388)	(386)	(377)	(372)	(367)	(362)	(360)	(353)	(356)	(352)
957,084	952,130	949,074	942,222	937,269	933,305	930,212	923,398	919,435	914,481	911,350
41,978	42,018	42,148	42,108	42,149	42,400	42,687	42,809	43,066	43,273	43,572
44	44	44	45	45	45	46	46	47	47	48
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Portfolio:	Replacements G
Scenario:	Aggressive Environmental Regulation

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Purchase 200 MW PY2022/23									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-
Gap MW Portfolio G AER									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]	-	-	2,242	534	4,905	8,995
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity 2021 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)			-	-	-	-	-	-	-
Schahfer Capacity 2022 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-
Schahfer Capacity 2023 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Short Term Capacity #4									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Barton Wind Contract									
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
Buffalo Ridge Contract									
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
DSM Residential FiledPlan									
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-
Jordan Creek									
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
7,857	10,877	27,061	28,572	32,260	35,074	37,584	34,169	36,161	38,317	40,668
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
110,526	107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072
[redacted]										

LFIT - Biomass									
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-
LFIT - Biomass FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0									
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-
LFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0									
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-
LFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
22,449	22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
6,162	6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
924	920	-	-	-	-	-	-	-	-	-
150	150	-	-	-	-	-	-	-	-	-
6,193	6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
855	850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-
478	478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	440	441	440	440	440	441	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar									
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Gibson Solar									
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Green River Solar									
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Solar)									
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Storage)									
Contract Energy (MWh)	-	(225)	(3,459)	(3,636)	(3,800)	(4,243)	(4,434)	(4,861)	(5,437)
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA INCR II Wind									
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

430,468	428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]										
594,040	590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]										
466,390	463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]										
212 453	211 353	210 776	209 154	208 054	207 175	206 587	204 975	204 096	202 996	202 398
[redacted]										
(5,445)	(5,657)	(5,739)	(5,698)	(5,669)	(5,707)	(5,772)	(5,757)	(5,726)	(5,739)	(5,697)
[redacted]										
679,945	679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]										

SFIT - Solar FIT 1.0									
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-
SFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0									
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-
SFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

1,084	1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
139	139	138	137	136	136	136	134	134	133	133
24	24	-	-	-	-	-	-	-	-	-
170	170	-	-	-	-	-	-	-	-	-
774	770	768	762	758	755	753	747	744	740	738
121	120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

DR Rates RAP Alt.									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM C&I FiledPlan									
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-
DSM C&I RAP Alt. 2024-2029									
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25
DSM C&I RAP Alt. 2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM C&I RAP Alt. 2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM Res Tier 1 RAP Alt. 2024-2029									
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62
DSM Res Tier 1 RAP Alt. 2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM Res Tier 1 RAP Alt. 2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
262	145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-	-
232,227	224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
350,646	333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
64,846	130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
9,999	10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
154	82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	-	159	83	57	44	36
107,240	99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
73,809	104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
10,670	11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
145	110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Gas Peaking P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar AER PPA 2030									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar AER PPA 2032									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar AER PPA 2033									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar AER PPA 2034									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar AER PPA 2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
260,638	423,169	421,811	418,766	416,564	414,802	413,428	410,399	408,638	406,436	405,044
10,405	16,893	16,839	16,717	16,629	16,559	16,504	16,383	16,313	16,225	16,169
40	40	40	40	40	40	40	40	40	40	40
-	-	644,850	1,046,914	1,041,410	1,037,006	1,033,569	1,025,998	1,021,594	1,016,090	1,012,611
-	-	31,636	51,362	51,092	50,876	50,707	50,335	50,119	49,849	49,679
-	-	49	49	49	49	49	49	49	49	49
-	-	-	192,443	312,423	311,102	310,071	307,799	306,478	304,827	303,783
-	-	-	9,526	15,465	15,400	15,348	15,236	15,171	15,089	15,037
-	-	-	50	49	50	49	50	50	50	49
-	-	-	-	191,431	311,102	310,071	307,799	306,478	304,827	303,783
-	-	-	-	9,558	15,533	15,482	15,368	15,302	15,220	15,168
-	-	-	-	50	50	50	50	50	50	50
-	-	-	-	-	317,703	516,784	512,999	510,797	508,045	506,305
-	-	-	-	-	16,060	26,123	25,932	25,821	25,682	25,594
-	-	-	-	-	51	51	51	51	51	51

Hydrogen P1 5 Percent H2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P1 95 Percent Gas									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P1 Full H2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Solar P1									
Contract Energy (MWh)	-	-	-	-	761	650,606	647,303	645,164	635,386
Contract Cost ($000s)	-	-	-	-	32	27,397	27,523	27,697	27,538
Contract Cost ($/MWh)	-	-	-	-	42	42	43	43	43
Paired Storage P1									
Contract Energy (MWh)	-	-	-	-	(74)	(25,914)	(26,981)	(29,731)	(34,323)
Contract Cost ($000s)	-	-	-	-	36	13,374	13,374	13,374	13,374
Contract Cost ($/MWh)	-	-	-	-	(485)	(516)	(496)	(450)	(390)
Solar P2									
Contract Energy (MWh)	-	-	-	-	-	975,909	970,955	967,937	961,047
Contract Cost ($000s)	-	-	-	-	-	40,305	40,838	41,457	41,902
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44
Storage P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Wind P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
625,715	621,539	610,612	602,011	595,995	587,700	580,255	570,992	566,293	565,175	567,016
27,056	26,819	26,287	25,862	25,544	25,236	24,968	24,615	24,464	24,466	24,597
43	43	43	43	43	43	43	43	43	43	43
(34,404)	(36,720)	(37,382)	(37,176)	(36,996)	(37,326)	(37,868)	(37,818)	(37,619)	(37,658)	(37,303)
13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374
(389)	(364)	(358)	(360)	(361)	(358)	(353)	(354)	(356)	(355)	(359)
957,084	952,130	949,074	942,222	937,269	933,305	930,212	923,398	919,435	914,481	911,350
41,978	42,018	42,148	42,108	42,149	42,400	42,687	42,809	43,066	43,273	43,572
44	44	44	45	45	45	46	46	47	47	48
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Portfolio:	Replacements G
Scenario:	Status Quo Extended

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Purchase 200 MW PY2022/23									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-
Gap MW Portfolio G SQE									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]	-	-	78	-	323	436
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity 2021 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity 2022 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-
Schahfer Capacity 2023 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Short Term Capacity #4									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Barton Wind Contract									
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
Buffalo Ridge Contract									
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
DSM Residential FiledPlan									
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-
Jordan Creek									
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
304	333	2,052	2,579	3,114	4,025	4,667	3,907	4,241	5,225	5,304
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
110,526	107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
1,285,776	1,285,776	1,288,072	1,285,513	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072

LFIT - Biomass									
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-
LFIT - Biomass FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0									
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-
LFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0									
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-
LFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
22,449	22,333	22,281	22,088	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
6,162	6,130	6,116	6,063	6,065	6,039	6,024	5,975	5,949	5,917	5,902
924	920	-	-	-	-	-	-	-	-	-
150	150	-	-	-	-	-	-	-	-	-
6,193	6,161	6,146	6,093	6,065	6,039	6,024	5,975	5,949	5,917	5,902
855	850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-
478	478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3,185	3,185	3,196	3,184	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	440	441	439	440	440	441	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar									
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Gibson Solar									
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Green River Solar									
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Solar)									
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Storage)									
Contract Energy (MWh)	-	(156)	(3,514)	(3,686)	(4,076)	(4,384)	(4,500)	(4,865)	(5,040)
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA INCR II Wind									
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

430,468	428,240	427,002	423,542	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]										
594,040	590,965	590,176	584,619	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]										
466,390	463,976	462,653	458,882	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]										
212,453	211,353	210,776	209,101	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]										
(5,091)	(5,222)	(5,291)	(5,492)	(5,550)	(5,562)	(5,583)	(5,617)	(5,605)	(5,699)	(5,726)
[redacted]										
679,945	679,945	682,074	679,875	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]										

SFIT - Solar FIT 1.0									
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-
SFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0									
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-
SFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

1,084	1,078	1,076	1,066	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
139	139	138	137	136	136	136	134	134	133	133
24	24	-	-	-	-	-	-	-	-	-
170	170	-	-	-	-	-	-	-	-	-
774	770	768	762	758	755	753	747	744	740	738
121	120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

DR Rates RAP Alt.									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM C&I FiledPlan									
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-
DSM C&I RAP Alt. 2024-2029									
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25
DSM C&I RAP Alt. 2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM C&I RAP Alt. 2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM Res Tier 1 RAP Alt. 2024-2029									
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62
DSM Res Tier 1 RAP Alt. 2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM Res Tier 1 RAP Alt. 2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
262	145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-	-
232,227	224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
350,646	333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
64,846	130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
9,999	10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
154	82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	-	159	83	57	44	36
107,240	99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
73,809	104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
10,670	11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
145	110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Gas Peaking P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar SQE PPA 2030									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar SQE PPA 2032									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar SQE PPA 2033									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar SQE PPA 2034									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar SQE PPA 2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
260,638	423,169	421,811	418,766	416,564	414,802	413,428	410,399	408,638	406,436	405,044
12,563	20,397	20,331	20,184	20,078	19,993	19,927	19,781	19,696	19,590	19,523
48	48	48	48	48	48	48	48	48	48	48
-	-	644,850	1,046,914	1,041,410	1,037,006	1,033,569	1,025,998	1,021,594	1,016,090	1,012,611
-	-	31,636	51,362	51,092	50,876	50,707	50,335	50,119	49,849	49,679
-	-	49	49	49	49	49	49	49	49	49
-	-	-	192,443	312,423	311,102	310,071	307,799	306,478	304,827	303,783
-	-	-	9,526	15,465	15,400	15,348	15,236	15,171	15,089	15,037
-	-	-	50	49	50	49	50	50	50	49
-	-	-	-	191,431	311,102	310,071	307,799	306,478	304,827	303,783
-	-	-	-	9,558	15,533	15,482	15,368	15,302	15,220	15,168
-	-	-	-	50	50	50	50	50	50	50
-	-	-	-	-	317,703	516,784	512,999	510,797	508,045	506,305
-	-	-	-	-	16,060	26,123	25,932	25,821	25,682	25,594
-	-	-	-	-	51	51	51	51	51	51

Hydrogen P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Solar P1									
Contract Energy (MWh)	-	-	-	-	761	650,606	647,303	645,291	640,698
Contract Cost ($000s)	-	-	-	-	32	27,397	27,523	27,702	27,768
Contract Cost ($/MWh)	-	-	-	-	42	42	43	43	43
Paired Storage P1									
Contract Energy (MWh)	-	-	-	-	0	(26,842)	(27,834)	(30,343)	(31,344)
Contract Cost ($000s)	-	-	-	-	36	13,374	13,374	13,374	13,374
Contract Cost ($/MWh)	-	-	-	-	7,049,335,904	(498)	(480)	(441)	(427)
Solar P2									
Contract Energy (MWh)	-	-	-	-	-	975,909	970,955	967,937	961,047
Contract Cost ($000s)	-	-	-	-	-	40,305	40,838	41,457	41,902
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44
Storage P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Wind P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
638,056	634,753	632,716	628,094	624,846	622,204	620,141	615,599	612,956	609,654	607,566
27,590	27,390	27,238	26,983	26,781	26,717	26,685	26,538	26,480	26,392	26,356
43	43	43	43	43	43	43	43	43	43	43
(31,786)	(32,921)	(33,461)	(34,980)	(35,707)	(36,023)	(36,178)	(36,179)	(36,344)	(36,876)	(37,108)
13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374
(421)	(406)	(400)	(382)	(375)	(371)	(370)	(370)	(368)	(363)	(360)
957,084	952,130	949,074	941,658	937,269	933,305	930,212	923,398	919,435	914,481	911,350
41,978	42,018	42,148	42,083	42,149	42,400	42,687	42,809	43,066	43,273	43,572
44	44	44	45	45	45	46	46	47	47	48
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Portfolio:	Replacements G
Scenario:	Economy-Wide Decarbonization

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Purchase 200 MW PY2022/23									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-
Gap MW Portfolio G EWD									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	1,437	886	3,381	7,027	6,553	16,427	23,652
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity 2021 (RFP)									
Contract Energy (MWh)			-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity 2022 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-
Schahfer Capacity 2023 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Short Term Capacity #4									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)		-	-	-	-	-	-	-	-
Barton Wind Contract									
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
Buffalo Ridge Contract									
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
DSM Residential FiledPlan									
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-
Jordan Creek									
Contract Energy (MWh)	1 285 776	1 285 776	1 285 776	1 288 072	1 285 776	1 285 776	1 285 776	1 288 072	1 285 776
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
28,160	32,985	48,453	49,654	53,260	54,275	56,431	56,315	61,114	66,550	76,967
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
110,526	107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072

[redacted]

LFIT - Biomass									
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-
Contract Cost ($000s)	13,381	13,649	12,897	13,356	13,628	13,190	12,620	11,984	-
Contract Cost ($/MWh)	127	129	122	126	129	125	120	113	-
LFIT - Biomass FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0									
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542
Contract Cost ($000s)	7,222	7,366	7,288	7,454	7,552	7,511	7,442	7,376	-
Contract Cost ($/MWh)	311	317	314	321	328	328	327	325	-
LFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187
Contract Cost ($000s)	957	957	895	902	896	848	793	734	664
Contract Cost ($/MWh)	150	150	140	142	142	135	127	118	107
LFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219
Contract Cost ($000s)	487	885	823	829	824	777	721	662	593
Contract Cost ($/MWh)	138	138	128	130	130	123	115	106	95
LFIT - Wind FIT 1.0									
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478
Contract Cost ($000s)	93	95	92	95	97	96	94	92	-
Contract Cost ($/MWh)	195	199	193	199	203	201	197	192	-
LFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185
Contract Cost ($000s)	-	440	409	414	414	392	366	338	304
Contract Cost ($/MWh)	-	138	128	130	130	123	115	106	95

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
22,449	22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
6,162	6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
619	596	-	-	-	-	-	-	-	-	-
100	97	-	-	-	-	-	-	-	-	-
6,193	6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
547	525	499	483	463	464	472	-	-	-	-
88	85	81	79	76	77	78	-	-	-	-
478	478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
281	271	260	252	243	245	250	-	-	-	-
88	85	81	79	76	77	78	-	-	-	-

RFP PPA Brickyard Solar									
Contract Energy (MWh)									
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Gibson Solar									
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Green River Solar									
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Solar)									
Contract Energy (MWh)	-	8,028	219,931	219,374	217,731	216,632	215,532	214,965	213,333
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Storage)									
Contract Energy (MWh)	-	(45)	(1,369)	(2,162)	(3,021)	(3,095)	(3,061)	(3,097)	(2,555)
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA INCR II Wind									
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

430,468	428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]										
594,040	590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]										
466,390	463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]										
212,453	211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]										
(2,839)	(3,290)	(3,045)	(3,003)	(3,235)	(3,481)	(3,243)	(2,662)	(2,786)	(3,423)	(3,293)
[redacted]										
679,945	679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]										

SFIT - Solar FIT 1.0									
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088
Contract Cost ($000s)	402	410	408	417	422	421	418	416	-
Contract Cost ($/MWh)	359	366	363	372	380	381	381	379	-
SFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140
Contract Cost ($000s)	25	25	23	23	23	22	21	19	18
Contract Cost ($/MWh)	170	170	160	162	162	155	147	138	127
SFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777
Contract Cost ($000s)	75	100	118	118	118	112	105	97	88
Contract Cost ($/MWh)	156	156	147	148	148	141	133	124	114
SFIT - Wind FIT 1.0									
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-
Contract Cost ($000s)	8	8	8	9	9	9	9	8	-
Contract Cost ($/MWh)	259	265	260	267	273	271	269	266	-
SFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

1,084	1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
139	139	138	137	136	136	136	134	134	133	133
17	16	-	-	-	-	-	-	-	-	-
120	117	-	-	-	-	-	-	-	-	-
774	770	768	762	758	755	753	747	744	740	738
83	80	77	74	72	72	73	-	-	-	-
107	104	100	98	95	95	97	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

DR Rates RAP Alt.									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM C&I FiledPlan									
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-
DSM C&I RAP Alt. 2024-2029									
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25
DSM C&I RAP Alt. 2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM C&I RAP Alt. 2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM Res Tier 1 RAP Alt. 2024-2029									
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62
DSM Res Tier 1 RAP Alt. 2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM Res Tier 1 RAP Alt. 2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
262	145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-	-
232,227	224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
350,646	333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
64,846	130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
9,999	10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
154	82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	-	159	83	57	44	36
107,240	99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
73,809	104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
10,670	11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
145	110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Gas Peaking P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar EWD PPA 2030									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar EWD PPA 2032									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar EWD PPA 2033									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar EWD PPA 2034									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar EWD PPA 2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
260,638	423,169	421,811	418,766	416,564	414,802	413,428	410,399	408,638	406,436	405,044
(2,528)	(5,463)	(7,116)	(7,927)	(9,085)	(8,831)	(8,178)	(7,104)	(6,943)	(6,552)	(5,865)
(10)	(13)	(17)	(19)	(22)	(21)	(20)	(17)	(17)	(16)	(14)
-	-	644,850	1,046,914	1,041,410	1,037,006	1,033,569	1,025,998	1,021,594	1,016,090	1,012,611
-	-	(10,453)	(19,127)	(22,026)	(21,393)	(19,752)	(17,083)	(16,672)	(15,709)	(13,994)
-	-	(16)	(18)	(21)	(21)	(19)	(17)	(16)	(15)	(14)
-	-	-	192,443	312,423	311,102	310,071	307,799	306,478	304,827	303,783
-	-	-	(3,451)	(6,502)	(6,312)	(5,823)	(5,020)	(4,901)	(4,609)	(4,095)
-	-	-	(18)	(21)	(20)	(19)	(16)	(16)	(15)	(13)
-	-	-	-	191,431	311,102	310,071	307,799	306,478	304,827	303,783
-	-	-	-	(3,921)	(6,206)	(5,718)	(4,919)	(4,796)	(4,508)	(3,992)
-	-	-	-	(20)	(20)	(18)	(16)	(16)	(15)	(13)
-	-	-	-	-	317,703	516,784	512,999	510,797	508,045	506,305
-	-	-	-	-	(6,176)	(9,266)	(7,931)	(7,733)	(7,250)	(6,395)
-	-	-	-	-	(19)	(18)	(15)	(15)	(14)	(13)

Hydrogen P1 5 Percent H2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P1 95 Percent Gas									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P1 Full H2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Solar P1									
Contract Energy (MWh)	-	-	-	-	761	650,606	647,303	645,291	640,698
Contract Cost ($000s)	-	-	-	-	26	17,638	12,506	6,808	410
Contract Cost ($/MWh)	-	-	-	-	34	27	19	11	1
Paired Storage P1									
Contract Energy (MWh)	-	-	-	-	-	(21,114)	(19,838)	(20,735)	(16,406)
Contract Cost ($000s)	-	-	-	-	36	13,374	13,374	13,374	13,374
Contract Cost ($/MWh)	-	-	-	-	-	(633)	(674)	(645)	(815)
Solar P2									
Contract Energy (MWh)	-	-	-	-	-	975,909	970,955	967,937	961,047
Contract Cost ($000s)	-	-	-	-	-	25,666	18,322	10,115	865
Contract Cost ($/MWh)	-	-	-	-	-	26	19	10	1
Storage P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Wind P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
638,056	634,753	632,716	628,148	624,846	622,204	620,141	615,599	612,956	609,654	607,566
(4,071)	(6,151)	(8,700)	(9,988)	(11,791)	(11,368)	(10,344)	(8,698)	(8,404)	(7,779)	(6,701)
(6)	(10)	(14)	(16)	(19)	(18)	(17)	(14)	(14)	(13)	(11)
(18,621)	(20,783)	(20,907)	(20,628)	(21,815)	(23,246)	(21,323)	(18,081)	(18,602)	(22,896)	(21,567)
13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374	13,374
(718)	(643)	(640)	(648)	(613)	(575)	(627)	(740)	(719)	(584)	(620)
957,084	952,130	949,074	942,222	937,269	933,305	930,212	923,398	919,435	914,481	911,350
(5,513)	(8,284)	(11,759)	(13,351)	(15,718)	(14,737)	(12,846)	(10,037)	(9,259)	(7,983)	(6,015)
(6)	(9)	(12)	(14)	(17)	(16)	(14)	(11)	(10)	(9)	(7)
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Contract Summary

Note that for modeling purposes, congestion expectations are incorporated in contract prices for certain renewable contracts

Portfolio:	Replacements H
Scenario:	Reference

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Purchase 200 MW PY2022/23									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Gap MW Portfolio H Ref									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity 2021 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity 2022 (RFP)									
Contract Energy (MWh)	-			-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-
Schahfer Capacity 2023 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-
Contract Cost ($/MWh)	-	-			-	-	-	-	-
Short Term Capacity #4									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Barton Wind Contract									
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
Buffalo Ridge Contract									
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
DSM Residential FiledPlan									
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-
Jordan Creek									
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
LFIT - Biomass									
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-

2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
110,526	107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072
[redacted]										
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

LFIT - Biomass FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0									
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-
LFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0									
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-
LFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
22,449	22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
6,162	6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
924	920	-	-	-	-	-	-	-	-	-
150	150	-	-	-	-	-	-	-	-	-
6,193	6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
855	850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-
478	478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	440	441	440	440	440	441	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar									
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Gibson Solar									
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Green River Solar									
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Solar)									
Contract Energy (MWh)	-	8 028	219 931	219 374	217 731	216 632	215 532	214 965	213 333
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Storage)									
Contract Energy (MWh)	-	(188)	(3,166)	(3,547)	(3,696)	(4,284)	(4,446)	(4,870)	(5,081)
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA INCR II Wind									
Contract Energy (MWh)	-	-	65 782	682 074	679 945	679 945	679 945	682 074	679 945
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
SFIT - Solar FIT 1.0									
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-
SFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0									
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-
SFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

430,468	428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]										
594,040	590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]										
466,390	463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]										
212 453	211 353	210 776	209 154	208 054	207 175	206 587	204 975	204 096	202 996	202 398
[redacted]										
(5,234)	(5,419)	(5,438)	(5,515)	(5,559)	(5,604)	(5,680)	(5,686)	(5,776)	(5,759)	(5,799)
[redacted]										
679,945	679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]										
1,084	1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
139	139	138	137	136	136	136	134	134	133	133
24	24	-	-	-	-	-	-	-	-	-
170	170	-	-	-	-	-	-	-	-	-
774	770	768	762	758	755	753	747	744	740	738
121	120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

DR Rates RAP Alt.									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM C&I FiledPlan									
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-
DSM C&I RAP Alt. 2024-2029									
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25
DSM C&I RAP Alt. 2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM C&I RAP Alt. 2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM Res Tier 1 RAP Alt. 2024-2029									
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62
DSM Res Tier 1 RAP Alt. 2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM Res Tier 1 RAP Alt. 2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
262	145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-	-
232,227	224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
350,646	333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
64,846	130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
9,999	10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
154	82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	-	159	83	57	44	36
107,240	99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
73,809	104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
10,670	11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
145	110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Gas Peaking P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar Ref PPA 2030									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar Ref PPA 2032									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar Ref PPA 2033									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar Ref PPA 2034									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar Ref PPA 2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
260,638	423,169	421,811	418,766	416,564	414,802	413,428	410,399	408,638	406,436	405,044
12,563	20,397	20,331	20,184	20,078	19,993	19,927	19,781	19,696	19,590	19,523
48	48	48	48	48	48	48	48	48	48	48
-	-	515,880	837,531	833,128	829,605	826,855	820,798	817,275	812,872	810,089
-	-	25,309	41,089	40,873	40,700	40,566	40,268	40,096	39,879	39,743
-	-	49	49	49	49	49	49	49	49	49
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	317,703	516,784	512,999	510,797	508,045	506,305
-	-	-	-	-	16,060	26,123	25,932	25,821	25,682	25,594
-	-	-	-	-	51	51	51	51	51	51

Hydrogen P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Solar P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Storage P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Solar P2									
Contract Energy (MWh)	-	-	-	-	-	542,171	539,419	537,743	533,915
Contract Cost ($000s)	-	-	-	-	-	22,392	22,688	23,032	23,279
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44
Storage P2									
Contract Energy (MWh)	-	-	-	-	(22,755)	(46,024)	(72,187)	(73,592)	(76,750)
Contract Cost ($000s)	-	-	-	-	1,667	3,342	5,025	5,038	5,046
Contract Cost ($/MWh)	-	-	-	-	(73)	(73)	(70)	(68)	(66)
Wind P1									
Contract Energy (MWh)	-	-	-	-	-	623,965	623,965	626,137	623,965
Contract Cost ($000s)	-	-	-	-	-	31,573	31,872	32,277	32,459
Contract Cost ($/MWh)	-	-	-	-	-	51	51	52	52

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
531,713	528,961	527,264	523,457	520,705	518,503	516,784	512,999	510,797	508,045	506,305
23,321	23,343	23,416	23,393	23,416	23,556	23,715	23,783	23,926	24,041	24,206
44	44	44	45	45	45	46	46	47	47	48
(79,471)	(82,249)	(82,640)	(85,110)	(85,084)	(84,358)	(85,808)	(86,893)	(87,803)	(88,073)	(88,111)
5,059	5,071	5,084	5,096	5,105	5,117	5,130	5,142	5,155	5,167	5,180
(64)	(62)	(62)	(60)	(60)	(61)	(60)	(59)	(59)	(59)	(59)
623,965	623,965	626,137	623,965	623,965	623,965	626,137	623,965	623,965	623,965	626,137
32,546	32,640	32,841	32,821	32,908	32,964	33,141	33,083	33,145	33,207	33,386
52	52	52	53	53	53	53	53	53	53	53

Portfolio:	Replacements H
Scenario:	Aggressive Environmental Regulation

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Purchase 200 MW PY2022/23									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-
Gap MW Portfolio H AER									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]	-	-	-	-	-	531
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity 2021 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity 2022 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity 2023 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Short Term Capacity #4									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Barton Wind Contract									
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
Buffalo Ridge Contract									
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
DSM Residential FiledPlan									
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-
Jordan Creek									
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	1,056	-	3,363	7,918	9,858	7,980	6,543	8,188	7,306	8,742
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
110,526	107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072

LFIT - Biomass									
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-
LFIT - Biomass FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0									
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-
LFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0									
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-
LFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
22,449	22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
6,162	6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
924	920	-	-	-	-	-	-	-	-	-
150	150	-	-	-	-	-	-	-	-	-
6,193	6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
855	850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-
478	478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	440	441	440	440	440	441	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar									
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Gibson Solar									
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Green River Solar									
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Solar)									
Contract Energy (MWh)									
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Storage)									
Contract Energy (MWh)	-	(225)	(3,459)	(3,636)	(3,800)	(4,243)	(4,434)	(4,861)	(5,437)
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA INCR II Wind									
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

430,468	428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]										
594,040	590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]										
466,390	463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]										
212,453	211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]										
(5,445)	(5,657)	(5,739)	(5,698)	(5,669)	(5,707)	(5,772)	(5,757)	(5,726)	(5,739)	(5,697)
[redacted]										
679,945	679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]										

SFIT - Solar FIT 1.0									
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-
SFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0									
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-
SFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

1,084	1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
139	139	138	137	136	136	136	134	134	133	133
24	24	-	-	-	-	-	-	-	-	-
170	170	-	-	-	-	-	-	-	-	-
774	770	768	762	758	755	753	747	744	740	738
121	120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

DR Rates RAP Alt.									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM C&I FiledPlan									
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-
DSM C&I RAP Alt. 2024-2029									
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25
DSM C&I RAP Alt. 2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM C&I RAP Alt. 2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM Res Tier 1 RAP Alt. 2024-2029									
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62
DSM Res Tier 1 RAP Alt. 2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM Res Tier 1 RAP Alt. 2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
262	145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-	-
232,227	224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
350,646	333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
64,846	130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
9,999	10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
154	82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	-	159	83	57	44	36
107,240	99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
73,809	104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
10,670	11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
145	110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Gas Peaking P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar AER PPA 2030									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar AER PPA 2032									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar AER PPA 2033									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar AER PPA 2034									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar AER PPA 2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
260,638	423,169	421,811	418,766	416,564	414,802	413,428	410,399	408,638	406,436	405,044
10,405	16,893	16,839	16,717	16,629	16,559	16,504	16,383	16,313	16,225	16,169
40	40	40	40	40	40	40	40	40	40	40
-	-	515,880	837,531	833,128	829,605	826,855	820,798	817,275	812,872	810,089
-	-	25,309	41,089	40,873	40,700	40,566	40,268	40,096	39,879	39,743
-	-	49	49	49	49	49	49	49	49	49
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	317,703	516,784	512,999	510,797	508,045	506,305
-	-	-	-	-	16,060	26,123	25,932	25,821	25,682	25,594
-	-	-	-	-	51	51	51	51	51	51

Hydrogen P1 5 Percent H2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P1 95 Percent Gas									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P1 Full H2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Solar P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Storage P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Solar P2									
Contract Energy (MWh)	-	-	-	-	-	542,171	539,419	537,743	533,915
Contract Cost ($000s)	-	-	-	-	-	22,392	22,688	23,032	23,279
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44
Storage P2									
Contract Energy (MWh)	-	-	-	-	(20,050)	(43,450)	(65,989)	(68,773)	(74,706)
Contract Cost ($000s)	-	-	-	-	1,667	3,342	5,025	5,038	5,046
Contract Cost ($/MWh)	-	-	-	-	(83)	(77)	(76)	(73)	(68)
Wind P1									
Contract Energy (MWh)	-	-	-	-	-	623,965	623,965	626,137	623,965
Contract Cost ($000s)	-	-	-	-	-	31,573	31,872	32,277	32,459
Contract Cost ($/MWh)	-	-	-	-	-	51	51	52	52

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
531,713	528,961	527,264	523,457	520,705	518,503	516,784	512,999	510,797	508,045	506,305
23,321	23,343	23,416	23,393	23,416	23,556	23,715	23,783	23,926	24,041	24,206
44	44	44	45	45	45	46	46	47	47	48
(75,290)	(80,635)	(83,157)	(80,994)	(78,824)	(78,567)	(77,366)	(77,308)	(77,359)	(77,629)	(76,191)
5,059	5,071	5,084	5,096	5,105	5,117	5,130	5,142	5,155	5,167	5,180
(67)	(63)	(61)	(63)	(65)	(65)	(66)	(67)	(67)	(67)	(68)
623,965	623,965	626,137	623,965	623,965	623,965	626,137	623,965	623,965	623,965	626,137
32,546	32,640	32,841	32,821	32,908	32,964	33,141	33,083	33,145	33,207	33,386
52	52	52	53	53	53	53	53	53	53	53

Portfolio:	Replacements H
Scenario:	Status Quo Extended

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Purchase 200 MW PY2022/23									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-
Gap MW Portfolio H SQE									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-		-	-	-	-	-	-
Schahfer Capacity 2021 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)			-	-	-	-	-	-	-
Schahfer Capacity 2022 (RFP)									
Contract Energy (MWh)	-			-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-
Schahfer Capacity 2023 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Short Term Capacity #4									
Contract Energy (MWh)		-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Barton Wind Contract									
Contract Energy (MWh)	118 548	118 548	118 548	34 843	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
Buffalo Ridge Contract									
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
DSM Residential FiledPlan									
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-
Jordan Creek									
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
110,526	107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
[redacted]										

LFIT - Biomass									
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-
LFIT - Biomass FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0									
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-
LFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0									
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-
LFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
22,449	22,333	22,281	22,088	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
6,162	6,130	6,116	6,063	6,065	6,039	6,024	5,975	5,949	5,917	5,902
924	920	-	-	-	-	-	-	-	-	-
150	150	-	-	-	-	-	-	-	-	-
6,193	6,161	6,146	6,093	6,065	6,039	6,024	5,975	5,949	5,917	5,902
855	850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-
478	478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3,185	3,185	3,196	3,184	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	440	441	439	440	440	441	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar									
Contract Energy (MWh)									
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Gibson Solar									
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Green River Solar									
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Solar)									
Contract Energy (MWh)									
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Storage)									
Contract Energy (MWh)	-	(156)	(3,514)	(3,686)	(4,076)	(4,384)	(4,500)	(4,865)	(5,040)
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA INCR II Wind									
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

430,468	428,240	427,002	423,542	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]										
594,040	590,965	590,176	584,619	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]										
466,390	463,976	462,653	458,882	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]										
212 453	211 353	210 776	209 101	208 054	207 175	206 587	204 975	204 096	202 996	202 398
[redacted]										
(5 091)	(5 222)	(5 291)	(5 492)	(5 550)	(5 562)	(5 583)	(5 617)	(5 605)	(5 699)	(5 726)
[redacted]										
679,945	679,945	682,074	679,875	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]										

SFIT - Solar FIT 1.0									
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-
SFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0									
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-
SFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

1,084	1,078	1,076	1,066	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
139	139	138	137	136	136	136	134	134	133	133
24	24	-	-	-	-	-	-	-	-	-
170	170	-	-	-	-	-	-	-	-	-
774	770	768	762	758	755	753	747	744	740	738
121	120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

DR Rates RAP Alt.									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM C&I FiledPlan									
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-
DSM C&I RAP Alt. 2024-2029									
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25
DSM C&I RAP Alt. 2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM C&I RAP Alt. 2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM Res Tier 1 RAP Alt. 2024-2029									
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62
DSM Res Tier 1 RAP Alt. 2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM Res Tier 1 RAP Alt. 2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
262	145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-	-
232,227	224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
350,646	333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
64,846	130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
9,999	10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
154	82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	-	159	83	57	44	36
107,240	99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
73,809	104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
10,670	11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
145	110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Gas Peaking P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar SQE PPA 2030									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar SQE PPA 2032									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar SQE PPA 2033									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar SQE PPA 2034									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar SQE PPA 2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
260,638	423,169	421,811	418,766	416,564	414,802	413,428	410,399	408,638	406,436	405,044
12,563	20,397	20,331	20,184	20,078	19,993	19,927	19,781	19,696	19,590	19,523
48	48	48	48	48	48	48	48	48	48	48
-	-	515,880	837,531	833,128	829,605	826,855	820,798	817,275	812,872	810,089
-	-	25,309	41,089	40,873	40,700	40,566	40,268	40,096	39,879	39,743
-	-	49	49	49	49	49	49	49	49	49
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	317,703	516,784	512,999	510,797	508,045	506,305
-	-	-	-	-	16,060	26,123	25,932	25,821	25,682	25,594
-	-	-	-	-	51	51	51	51	51	51

Hydrogen P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Solar P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Storage P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Solar P2									
Contract Energy (MWh)	-	-	-	-	-	542,171	539,419	537,743	533,915
Contract Cost ($000s)	-	-	-	-	-	22,392	22,688	23,032	23,279
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44
Storage P2									
Contract Energy (MWh)	-	-	-	-	(22,417)	(47,136)	(73,295)	(76,036)	(76,986)
Contract Cost ($000s)	-	-	-	-	1,667	3,342	5,025	5,038	5,046
Contract Cost ($/MWh)	-	-	-	-	(74)	(71)	(69)	(66)	(66)
Wind P1									
Contract Energy (MWh)	-	-	-	-	-	623,965	623,965	626,137	623,965
Contract Cost ($000s)	-	-	-	-	-	31,573	31,872	32,277	32,459
Contract Cost ($/MWh)	-	-	-	-	-	51	51	52	52

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
531,713	528,961	527,264	523,143	520,705	518,503	516,784	512,999	510,797	508,045	506,305
23,321	23,343	23,416	23,379	23,416	23,556	23,715	23,783	23,926	24,041	24,206
44	44	44	45	45	45	46	46	47	47	48
(77,095)	(78,558)	(79,802)	(84,115)	(84,653)	(82,940)	(83,620)	(83,164)	(85,577)	(86,553)	(85,166)
5,059	5,071	5,084	5,096	5,105	5,117	5,130	5,142	5,155	5,167	5,180
(66)	(65)	(64)	(61)	(60)	(62)	(61)	(62)	(60)	(60)	(61)
623,965	623,965	626,137	623,811	623,965	623,965	626,137	623,965	623,965	623,965	626,137
32,546	32,640	32,841	32,812	32,908	32,964	33,141	33,083	33,145	33,207	33,386
52	52	52	53	53	53	53	53	53	53	53

Portfolio:	Replacements H
Scenario:	Economy-Wide Decarbonization

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Purchase 200 MW PY2022/23									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-
Gap MW Portfolio H EWD									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	1,437	886	-	3,996	1,020	7,970	13,257
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity 2021 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)			-	-	-	-	-	-	-
Schahfer Capacity 2022 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-
Schahfer Capacity 2023 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-
Contract Cost ($/MWh)	-	-			-	-	-	-	-
Short Term Capacity #4									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)		-	-	-	-	-	-	-	-
Barton Wind Contract									
Contract Energy (MWh)	118 548	118 548	118 548	34 843	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
Buffalo Ridge Contract									
Contract Energy (MWh)	135 812	135 812	135 812	41 642	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
DSM Residential FiledPlan									
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-
Jordan Creek									
Contract Energy (MWh)	1 285 776	1 285 776	1 285 776	1 288 072	1 285 776	1 285 776	1 285 776	1 288 072	1 285 776
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
15,730	19,954	23,028	26,886	31,889	33,225	32,173	32,281	37,031	41,979	50,147
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
110,526	107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
1 285 776	1 285 776	1 288 072	1 285 776	1 285 776	1 285 776	1 288 072	1 285 776	1 285 776	1 285 776	1 288 072
[redacted]										

LFIT - Biomass									
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-
Contract Cost ($000s)	13,381	13,649	12,897	13,356	13,628	13,190	12,620	11,984	-
Contract Cost ($/MWh)	127	129	122	126	129	125	120	113	-
LFIT - Biomass FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0									
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542
Contract Cost ($000s)	7,222	7,366	7,288	7,454	7,552	7,511	7,442	7,376	-
Contract Cost ($/MWh)	311	317	314	321	328	328	327	325	-
LFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187
Contract Cost ($000s)	957	957	895	902	896	848	793	734	664
Contract Cost ($/MWh)	150	150	140	142	142	135	127	118	107
LFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219
Contract Cost ($000s)	487	885	823	829	824	777	721	662	593
Contract Cost ($/MWh)	138	138	128	130	130	123	115	106	95
LFIT - Wind FIT 1.0									
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478
Contract Cost ($000s)	93	95	92	95	97	96	94	92	-
Contract Cost ($/MWh)	195	199	193	199	203	201	197	192	-
LFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185
Contract Cost ($000s)	-	440	409	414	414	392	366	338	304
Contract Cost ($/MWh)	-	138	128	130	130	123	115	106	95

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
22,449	22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
6,162	6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
619	596	-	-	-	-	-	-	-	-	-
100	97	-	-	-	-	-	-	-	-	-
6,193	6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
547	525	499	483	463	464	472	-	-	-	-
88	85	81	79	76	77	78	-	-	-	-
478	478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
281	271	260	252	243	245	250	-	-	-	-
88	85	81	79	76	77	78	-	-	-	-

RFP PPA Brickyard Solar									
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Gibson Solar									
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Green River Solar									
Contract Energy (MWh)									
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Solar)									
Contract Energy (MWh)	-	8 028	219 931	219 374	217 731	216 632	215 532	214 965	213 333
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Storage)									
Contract Energy (MWh)	-	(45)	(1,369)	(2,162)	(3,021)	(3,095)	(3,061)	(3,097)	(2,555)
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA INCR II Wind									
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

430,468	428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]										
594,040	590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]										
466,390	463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]										
212,453	211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]										
(2,839)	(3,290)	(3,045)	(3,003)	(3,235)	(3,481)	(3,243)	(2,662)	(2,786)	(3,423)	(3,293)
[redacted]										
679,945	679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]										

SFIT - Solar FIT 1.0									
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088
Contract Cost ($000s)	402	410	408	417	422	421	418	416	-
Contract Cost ($/MWh)	359	366	363	372	380	381	381	379	-
SFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140
Contract Cost ($000s)	25	25	23	23	23	22	21	19	18
Contract Cost ($/MWh)	170	170	160	162	162	155	147	138	127
SFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777
Contract Cost ($000s)	75	100	118	118	118	112	105	97	88
Contract Cost ($/MWh)	156	156	147	148	148	141	133	124	114
SFIT - Wind FIT 1.0									
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-
Contract Cost ($000s)	8	8	8	9	9	9	9	8	-
Contract Cost ($/MWh)	259	265	260	267	273	271	269	266	-
SFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

1,084	1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
139	139	138	137	136	136	136	134	134	133	133
17	16	-	-	-	-	-	-	-	-	-
120	117	-	-	-	-	-	-	-	-	-
774	770	768	762	758	755	753	747	744	740	738
83	80	77	74	72	72	73	-	-	-	-
107	104	100	98	95	95	97	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

DR Rates RAP Alt.									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM C&I FiledPlan									
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-
DSM C&I RAP Alt. 2024-2029									
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25
DSM C&I RAP Alt. 2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM C&I RAP Alt. 2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM Res Tier 1 RAP Alt. 2024-2029									
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62
DSM Res Tier 1 RAP Alt. 2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM Res Tier 1 RAP Alt. 2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
262	145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-	-
232,227	224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
350,646	333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
64,846	130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
9,999	10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
154	82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	-	159	83	57	44	36
107,240	99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
73,809	104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
10,670	11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
145	110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Gas Peaking P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar EWD PPA 2030									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar EWD PPA 2032									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar EWD PPA 2033									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar EWD PPA 2034									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar EWD PPA 2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
260,638	423,169	421,811	418,766	416,564	414,802	413,428	410,399	408,638	406,436	405,044
(2,528)	(5,463)	(7,116)	(7,927)	(9,085)	(8,831)	(8,178)	(7,104)	(6,943)	(6,552)	(5,865)
(10)	(13)	(17)	(19)	(22)	(21)	(20)	(17)	(17)	(16)	(14)
-	-	515,880	837,531	833,128	829,605	826,855	820,798	817,275	812,872	810,089
-	-	(8,362)	(15,302)	(17,621)	(17,115)	(15,801)	(13,666)	(13,338)	(12,567)	(11,195)
-	-	(16)	(18)	(21)	(21)	(19)	(17)	(16)	(15)	(14)
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	317,703	516,784	512,999	510,797	508,045	506,305
-	-	-	-	-	(6,176)	(9,266)	(7,931)	(7,733)	(7,250)	(6,395)
-	-	-	-	-	(19)	(18)	(15)	(15)	(14)	(13)

Hydrogen P1 5 Percent H2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P1 95 Percent Gas									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P1 Full H2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Solar P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Storage P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Solar P2									
Contract Energy (MWh)	-	-	-	-	-	542,171	539,419	537,743	533,915
Contract Cost ($000s)	-	-	-	-	-	14,259	10,179	5,619	481
Contract Cost ($/MWh)	-	-	-	-	-	26	19	10	1
Storage P2									
Contract Energy (MWh)	-	-	-	-	(25,193)	(52,458)	(80,606)	(83,171)	(85,056)
Contract Cost ($000s)	-	-	-	-	1,667	3,342	5,025	5,038	5,046
Contract Cost ($/MWh)	-	-	-	-	(66)	(64)	(62)	(61)	(59)
Wind P1									
Contract Energy (MWh)	-	-	-	-	-	623,965	623,965	626,137	623,965
Contract Cost ($000s)	-	-	-	-	-	22,219	17,396	12,003	5,815
Contract Cost ($/MWh)	-	-	-	-	-	36	28	19	9

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
531,713	528,961	527,264	523,457	520,705	518,503	516,784	512,999	510,797	508,045	506,305
(3,063)	(4,602)	(6,533)	(7,417)	(8,732)	(8,187)	(7,137)	(5,576)	(5,144)	(4,435)	(3,342)
(6)	(9)	(12)	(14)	(17)	(16)	(14)	(11)	(10)	(9)	(7)
(85,652)	(84,484)	(85,832)	(87,873)	(85,049)	(81,454)	(81,403)	(78,906)	(78,046)	(78,315)	(77,276)
5,059	5,071	5,084	5,096	5,105	5,117	5,130	5,142	5,155	5,167	5,180
(59)	(60)	(59)	(58)	(60)	(63)	(63)	(65)	(66)	(66)	(67)
623,965	623,965	626,137	623,965	623,965	623,965	626,137	623,965	623,965	623,965	626,137
1,585	(331)	(2,724)	(3,906)	(5,616)	(5,229)	(4,245)	(2,627)	(2,365)	(1,766)	(676)
3	(1)	(4)	(6)	(9)	(8)	(7)	(4)	(4)	(3)	(1)

Contract Summary

Note that for modeling purposes, congestion expectations are incorporated in contract prices for certain renewable contracts

Portfolio:	Replacements I
Scenario:	Reference

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Purchase 200 MW PY2022/23									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Gap MW Portfolio I Ref									
Contract Energy (MWh)	-	-		-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-		-	-	-	-	-	-
Schahfer Capacity 2021 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)			-	-	-	-	-	-	-
Schahfer Capacity 2022 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity 2023 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-
Contract Cost ($/MWh)	-	-			-	-	-	-	-
Short Term Capacity #4									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)		-	-	-	-	-	-	-	-
Barton Wind Contract									
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
Buffalo Ridge Contract									
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
DSM Residential FiledPlan									
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-
Jordan Creek									
Contract Energy (MWh)	1 285 776	1 285 776	1 285 776	1 288 072	1 285 776	1 285 776	1 285 776	1 288 072	1 285 776
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
110,526	107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072

LFIT - Biomass									
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-
LFIT - Biomass FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0									
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-
LFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0									
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-
LFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
22,449	22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
6,162	6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
924	920	-	-	-	-	-	-	-	-	-
150	150	-	-	-	-	-	-	-	-	-
6,193	6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
855	850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-
478	478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	440	441	440	440	440	441	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar									
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Gibson Solar									
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Green River Solar									
Contract Energy (MWh)									
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Solar)									
Contract Energy (MWh)	-	8 028	219 931	219 374	217 731	216 632	215 532	214 965	213 333
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Storage)									
Contract Energy (MWh)	-	(188)	(3,166)	(3,547)	(3,696)	(4,284)	(4,446)	(4,870)	(5,081)
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA INCR II Wind									
Contract Energy (MWh)									
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

430,468	428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]										
594,040	590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]										
466,390	463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]										
212 453	211 353	210 776	209 154	208 054	207 175	206 587	204 975	204 096	202 996	202 398
[redacted]										
(5 234)	(5 419)	(5 438)	(5 515)	(5 559)	(5 604)	(5 680)	(5 686)	(5 776)	(5 759)	(5 799)
[redacted]										
679,945	679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]										

SFIT - Solar FIT 1.0									
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-
SFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0									
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-
SFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

1,084	1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
139	139	138	137	136	136	136	134	134	133	133
24	24	-	-	-	-	-	-	-	-	-
170	170	-	-	-	-	-	-	-	-	-
774	770	768	762	758	755	753	747	744	740	738
121	120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

DR Rates RAP Alt.									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM C&I FiledPlan									
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-
DSM C&I RAP Alt. 2024-2029									
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25
DSM C&I RAP Alt. 2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM C&I RAP Alt. 2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM Res Tier 1 RAP Alt. 2024-2029									
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62
DSM Res Tier 1 RAP Alt. 2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM Res Tier 1 RAP Alt. 2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
262	145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-	-
232,227	224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
350,646	333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
64,846	130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
9,999	10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
154	82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	-	159	83	57	44	36
107,240	99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
73,809	104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
10,670	11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
145	110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Gas Peaking P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar Ref PPA 2030									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar Ref PPA 2032									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar Ref PPA 2033									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar Ref PPA 2034									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar Ref PPA 2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
260,638	423,169	421,811	418,766	416,564	414,802	413,428	410,399	408,638	406,436	405,044
12,563	20,397	20,331	20,184	20,078	19,993	19,927	19,781	19,696	19,590	19,523
48	48	48	48	48	48	48	48	48	48	48
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	317,703	516,784	512,999	510,797	508,045	506,305
-	-	-	-	-	16,060	26,123	25,932	25,821	25,682	25,594
-	-	-	-	-	51	51	51	51	51	51

Hydrogen P1									
Contract Energy (MWh)	-	-	-	-	118,634	123,533	108,110	109,499	131,004
Contract Cost ($000s)	-	-	-	61	27,221	29,003	29,105	29,913	31,677
Contract Cost ($/MWh)	-	-	-	-	229	235	269	273	242
Hydrogen P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	18	6,720	6,720	6,720	6,720
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Solar P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Storage P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Solar P2									
Contract Energy (MWh)	-	-	-	-	-	542,171	539,419	537,743	533,915
Contract Cost ($000s)	-	-	-	-	-	22,392	22,688	23,032	23,279
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44
Storage P2									
Contract Energy (MWh)	-	-	-	-	(22,755)	(23,012)	(24,062)	(24,531)	(25,583)
Contract Cost ($000s)	-	-	-	-	1,667	1,671	1,675	1,679	1,682
Contract Cost ($/MWh)	-	-	-	-	(73)	(73)	(70)	(68)	(66)
Wind P1									
Contract Energy (MWh)	-	-	-	-	-	623,965	623,965	626,137	623,965
Contract Cost ($000s)	-	-	-	-	-	31,573	31,872	32,277	32,459
Contract Cost ($/MWh)	-	-	-	-	-	51	51	52	52

124,488	113,170	101,678	104,787	112,559	126,427	139,013	135,268	171,893	181,208	180,719
32,130	32,367	32,513	33,504	34,733	36,386	38,059	38,670	42,153	43,897	44,906
258	286	320	320	309	288	274	286	245	242	248
-	-	-	-	-	-	-	-	-	-	-
6,720	6,720	6,720	6,720	6,720	6,720	6,720	6,720	6,720	6,720	6,720
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
531,713	528,961	527,264	523,457	520,705	518,503	516,784	512,999	510,797	508,045	506,305
23,321	23,343	23,416	23,393	23,416	23,556	23,715	23,783	23,926	24,041	24,206
44	44	44	45	45	45	46	46	47	47	48
(26,490)	(27,416)	(27,547)	(28,370)	(28,361)	(28,119)	(28,603)	(28,964)	(29,268)	(29,358)	(29,370)
1,686	1,690	1,695	1,699	1,702	1,706	1,710	1,714	1,718	1,722	1,727
(64)	(62)	(62)	(60)	(60)	(61)	(60)	(59)	(59)	(59)	(59)
623,965	623,965	626,137	623,965	623,965	623,965	626,137	623,965	623,965	623,965	626,137
32,546	32,640	32,841	32,821	32,908	32,964	33,141	33,083	33,145	33,207	33,386
52	52	52	53	53	53	53	53	53	53	53

Portfolio:	Replacements I
Scenario:	Aggressive Environmental Regulation

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Purchase 200 MW PY2022/23									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-
Gap MW Portfolio I AER									
Contract Energy (MWh)	-	-	[redacted]	-	-	-	-	-	-
Contract Cost ($000s)	-	-		-	-	-	-	-	165
Contract Cost ($/MWh)	-	-		-	-	-	-	-	-
Schahfer Capacity 2021 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)			-	-	-	-	-	-	-
Schahfer Capacity 2022 (RFP)									
Contract Energy (MWh)	-			-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-
Schahfer Capacity 2023 (RFP)									
Contract Energy (MWh)	-	-			-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-
Contract Cost ($/MWh)	-	-			-	-	-	-	-
Short Term Capacity #4									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)		-	-	-	-	-	-	-	-
Barton Wind Contract									
Contract Energy (MWh)	118 548	118 548	118 548	34 843	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
Buffalo Ridge Contract									
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
DSM Residential FiledPlan									
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-
Jordan Creek									
Contract Energy (MWh)	1 285 776	1 285 776	1 285 776	1 288 072	1 285 776	1 285 776	1 285 776	1 288 072	1 285 776
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	1,951	4,921	8,150	8,678	9,326	7,403	8,536	7,132	8,012
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
110,526	107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
1 285 776	1 285 776	1 288 072	1 285 776	1 285 776	1 285 776	1 288 072	1 285 776	1 285 776	1 285 776	1 288 072
[redacted]										

LFIT - Biomass									
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-
LFIT - Biomass FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0									
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-
LFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0									
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-
LFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
22,449	22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
6,162	6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
924	920	-	-	-	-	-	-	-	-	-
150	150	-	-	-	-	-	-	-	-	-
6,193	6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
855	850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-
478	478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	440	441	440	440	440	441	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar									
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Gibson Solar									
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Green River Solar									
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Solar)									
Contract Energy (MWh)	-	8 028	219 931	219 374	217 731	216 632	215 532	214 965	213 333
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Storage)									
Contract Energy (MWh)	-	(225)	(3 459)	(3 636)	(3 800)	(4 243)	(4 434)	(4 861)	(5 437)
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA INCR II Wind									
Contract Energy (MWh)	-	-	65 782	682 074	679 945	679 945	679 945	682 074	679 945
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

430,468	428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]										
594,040	590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]										
466,390	463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]										
212,453	211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]										
(5,445)	(5,657)	(5,739)	(5,698)	(5,669)	(5,707)	(5,772)	(5,757)	(5,726)	(5,739)	(5,697)
[redacted]										
679,945	679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]										

SFIT - Solar FIT 1.0									
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-
SFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0									
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-
SFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

1,084	1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
139	139	138	137	136	136	136	134	134	133	133
24	24	-	-	-	-	-	-	-	-	-
170	170	-	-	-	-	-	-	-	-	-
774	770	768	762	758	755	753	747	744	740	738
121	120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

DR Rates RAP Alt.									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM C&I FiledPlan									
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-
DSM C&I RAP Alt. 2024-2029									
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25
DSM C&I RAP Alt. 2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM C&I RAP Alt. 2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM Res Tier 1 RAP Alt. 2024-2029									
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62
DSM Res Tier 1 RAP Alt. 2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM Res Tier 1 RAP Alt. 2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
262	145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-	-
232,227	224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
350,646	333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
64,846	130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
9,999	10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
154	82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	-	159	83	57	44	36
107,240	99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
73,809	104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
10,670	11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
145	110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Gas Peaking P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar AER PPA 2030									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar AER PPA 2032									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar AER PPA 2033									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar AER PPA 2034									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar AER PPA 2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
260,638	423,169	421,811	418,766	416,564	414,802	413,428	410,399	408,638	406,436	405,044
10,405	16,893	16,839	16,717	16,629	16,559	16,504	16,383	16,313	16,225	16,169
40	40	40	40	40	40	40	40	40	40	40
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	317,703	516,784	512,999	510,797	508,045	506,305
-	-	-	-	-	16,060	26,123	25,932	25,821	25,682	25,594
-	-	-	-	-	51	51	51	51	51	51

Hydrogen P1 5 Percent H2									
Contract Energy (MWh)	-	-	-	225	79,257	79,257	79,257	79,482	79,257
Contract Cost ($000s)	-	-	-	4	1,605	1,751	1,951	2,209	2,533
Contract Cost ($/MWh)	-	-	-	18	20	22	25	28	32
Hydrogen P1 95 Percent Gas									
Contract Energy (MWh)	-	-	-	-	44,230	38,607	28,481	25,096	39,442
Contract Cost ($000s)	-	-	-	58	24,132	24,559	24,632	25,050	26,740
Contract Cost ($/MWh)	-	-	-	-	546	636	865	998	678
Hydrogen P1 Full H2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	18	6,720	6,720	6,720	6,720
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Solar P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Storage P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Solar P2									
Contract Energy (MWh)	-	-	-	-	-	542,171	539,419	537,743	533,915
Contract Cost ($000s)	-	-	-	-	-	22,392	22,688	23,032	23,279
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44
Storage P2									
Contract Energy (MWh)	-	-	-	-	(20,050)	(21,725)	(21,996)	(22,924)	(24,902)
Contract Cost ($000s)	-	-	-	-	1,667	1,671	1,675	1,679	1,682
Contract Cost ($/MWh)	-	-	-	-	(83)	(77)	(76)	(73)	(68)
Wind P1									
Contract Energy (MWh)	-	-	-	-	-	623,965	623,965	626,137	623,965
Contract Cost ($000s)	-	-	-	-	-	31,573	31,872	32,277	32,459
Contract Cost ($/MWh)	-	-	-	-	-	51	51	52	52

79,257	79,257	79,482	79,257	79,257	79,257	79,482	79,257	79,257	79,257	79,482
2,951	3,491	4,197	5,092	6,264	7,791	8,109	8,403	8,728	9,065	9,439
37	44	53	64	79	98	102	106	110	114	119
41,817	55,161	80,775	-	-	-	-	-	-	-	-
27,732	29,811	33,475	-	-	-	-	-	-	-	-
663	540	414	-	-	-	-	-	-	-	-
-	-	-	77,600	71,240	69,991	65,912	66,237	57,786	55,936	40,451
-	-	76	43,456	44,415	46,616	46,349	47,140	45,797	46,057	42,917
-	-	-	560	623	666	703	712	793	823	1,061
-	-	-	-	-	-	-	-	-	-	-
6,720	6,720	6,720	6,720	6,720	6,720	6,720	6,720	6,720	6,720	6,720
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
531,713	528,961	527,264	523,457	520,705	518,503	516,784	512,999	510,797	508,045	506,305
23,321	23,343	23,416	23,393	23,416	23,556	23,715	23,783	23,926	24,041	24,206
44	44	44	45	45	45	46	46	47	47	48
(25,097)	(26,878)	(27,719)	(26,998)	(26,275)	(26,189)	(25,789)	(25,769)	(25,786)	(25,876)	(25,397)
1,686	1,690	1,695	1,699	1,702	1,706	1,710	1,714	1,718	1,722	1,727
(67)	(63)	(61)	(63)	(65)	(65)	(66)	(67)	(67)	(67)	(68)
623,965	623,965	626,137	623,965	623,965	623,965	626,137	623,965	623,965	623,965	626,137
32,546	32,640	32,841	32,821	32,908	32,964	33,141	33,083	33,145	33,207	33,386
52	52	52	53	53	53	53	53	53	53	53

Portfolio:	Replacements I
Scenario:	Status Quo Extended

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Purchase 200 MW PY2022/23									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-
Gap MW Portfolio I SQE									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity 2021 (RFP)									
Contract Energy (MWh)			-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)			-	-	-	-	-	-	-
Schahfer Capacity 2022 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-
Schahfer Capacity 2023 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-
Contract Cost ($/MWh)	-	-			-	-	-	-	-
Short Term Capacity #4									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Barton Wind Contract									
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
Buffalo Ridge Contract									
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
DSM Residential FiledPlan									
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-
Jordan Creek									
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
110,526	107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
1 285 776	1 285 776	1 288 072	1 285 513	1 285 776	1 285 776	1 288 072	1 285 776	1 285 776	1 285 776	1 288 072

LFIT - Biomass									
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-
Contract Cost ($000s)	13,381	13,649	13,921	14,239	14,484	14,774	15,069	15,412	-
Contract Cost ($/MWh)	127	129	132	134	137	140	143	146	-
LFIT - Biomass FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0									
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542
Contract Cost ($000s)	7,222	7,366	7,514	7,648	7,739	7,854	7,970	8,112	-
Contract Cost ($/MWh)	311	317	323	330	336	343	350	357	-
LFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187
Contract Cost ($000s)	957	957	957	955	947	942	938	936	928
Contract Cost ($/MWh)	150	150	150	150	150	150	150	150	150
LFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219
Contract Cost ($000s)	487	885	885	883	876	871	867	865	858
Contract Cost ($/MWh)	138	138	138	138	138	138	138	138	138
LFIT - Wind FIT 1.0									
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478
Contract Cost ($000s)	93	95	97	99	101	103	105	108	-
Contract Cost ($/MWh)	195	199	203	207	211	216	220	224	-
LFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185
Contract Cost ($000s)	-	440	440	441	440	440	440	441	440
Contract Cost ($/MWh)	-	138	138	138	138	138	138	138	138

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
22,449	22,333	22,281	22,088	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
6,162	6,130	6,116	6,063	6,065	6,039	6,024	5,975	5,949	5,917	5,902
924	920	-	-	-	-	-	-	-	-	-
150	150	-	-	-	-	-	-	-	-	-
6,193	6,161	6,146	6,093	6,065	6,039	6,024	5,975	5,949	5,917	5,902
855	850	848	841	837	833	831	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-
478	478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3,185	3,185	3,196	3,184	3,185	3,185	3,196	3,185	3,185	3,185	3,196
440	440	441	439	440	440	441	-	-	-	-
138	138	138	138	138	138	138	-	-	-	-

RFP PPA Brickyard Solar									
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Gibson Solar									
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Green River Solar									
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Solar)									
Contract Energy (MWh)	-	8 028	219 931	219 374	217 731	216 632	215 532	214 965	213 333
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Storage)									
Contract Energy (MWh)	-	(156)	(3,514)	(3,686)	(4,076)	(4,384)	(4,500)	(4,865)	(5,040)
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA INCR II Wind									
Contract Energy (MWh)	-	-	65,782	682,074	679,945	679,945	679,945	682,074	679,945
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

430,468	428,240	427,002	423,542	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]										
594,040	590,965	590,176	584,619	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]										
466,390	463,976	462,653	458,882	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]										
212,453	211,353	210,776	209,101	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]										
(5,091)	(5,222)	(5,291)	(5,492)	(5,550)	(5,562)	(5,583)	(5,617)	(5,605)	(5,699)	(5,726)
[redacted]										
679,945	679,945	682,074	679,875	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]										

SFIT - Solar FIT 1.0									
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088
Contract Cost ($000s)	402	410	418	426	431	437	444	452	-
Contract Cost ($/MWh)	359	366	373	380	388	396	404	412	-
SFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140
Contract Cost ($000s)	25	25	25	24	24	24	24	24	24
Contract Cost ($/MWh)	170	170	170	170	170	170	170	170	170
SFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777
Contract Cost ($000s)	75	100	125	125	124	123	123	123	122
Contract Cost ($/MWh)	156	156	156	156	156	156	156	156	156
SFIT - Wind FIT 1.0									
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-
Contract Cost ($000s)	8	8	9	9	9	9	9	10	-
Contract Cost ($/MWh)	259	265	270	275	281	286	292	298	-
SFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

1,084	1,078	1,076	1,066	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
139	139	138	137	136	136	136	134	134	133	133
24	24	-	-	-	-	-	-	-	-	-
170	170	-	-	-	-	-	-	-	-	-
774	770	768	762	758	755	753	747	744	740	738
121	120	120	119	119	118	118	-	-	-	-
156	156	156	156	156	156	156	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

DR Rates RAP Alt.									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM C&I FiledPlan									
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-
DSM C&I RAP Alt. 2024-2029									
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25
DSM C&I RAP Alt. 2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM C&I RAP Alt. 2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM Res Tier 1 RAP Alt. 2024-2029									
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62
DSM Res Tier 1 RAP Alt. 2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM Res Tier 1 RAP Alt. 2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
262	145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-	-
232,227	224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
350,646	333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
64,846	130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
9,999	10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
154	82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	-	159	83	57	44	36
107,240	99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
73,809	104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
10,670	11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
145	110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Gas Peaking P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar SQE PPA 2030									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar SQE PPA 2032									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar SQE PPA 2033									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar SQE PPA 2034									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar SQE PPA 2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
260,638	423,169	421,811	418,766	416,564	414,802	413,428	410,399	408,638	406,436	405,044
12,563	20,397	20,331	20,184	20,078	19,993	19,927	19,781	19,696	19,590	19,523
48	48	48	48	48	48	48	48	48	48	48
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	317,703	516,784	512,999	510,797	508,045	506,305
-	-	-	-	-	16,060	26,123	25,932	25,821	25,682	25,594
-	-	-	-	-	51	51	51	51	51	51

Hydrogen P1									
Contract Energy (MWh)	-	-	-	-	356,940	340,694	283,811	273,332	281,482
Contract Cost ($000s)	-	-	-	61	31,515	31,993	31,383	31,791	32,560
Contract Cost ($/MWh)	-	-	-	-	88	94	111	116	116
Hydrogen P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	18	6,720	6,720	6,720	6,720
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Solar P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Storage P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Solar P2									
Contract Energy (MWh)	-	-	-	-	-	542,171	539,419	537,743	533,915
Contract Cost ($000s)	-	-	-	-	-	22,392	22,688	23,032	23,279
Contract Cost ($/MWh)	-	-	-	-	-	41	42	43	44
Storage P2									
Contract Energy (MWh)	-	-	-	-	(22,417)	(23,568)	(24,432)	(25,345)	(25,662)
Contract Cost ($000s)	-	-	-	-	1,667	1,671	1,675	1,679	1,682
Contract Cost ($/MWh)	-	-	-	-	(74)	(71)	(69)	(66)	(66)
Wind P1									
Contract Energy (MWh)	-	-	-	-	-	623,965	623,965	626,137	623,965
Contract Cost ($000s)	-	-	-	-	-	31,573	31,872	32,277	32,459
Contract Cost ($/MWh)	-	-	-	-	-	51	51	52	52

268,336	254,311	241,930	248,972	236,230	245,050	225,289	221,734	214,435	242,811	237,809
32,851	33,203	33,573	34,572	34,949	35,806	35,968	36,599	37,184	39,032	39,675
122	131	139	139	148	146	160	165	173	161	167
-	-	-	-	-	-	-	-	-	-	-
6,720	6,720	6,720	6,720	6,720	6,720	6,720	6,720	6,720	6,720	6,720
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
531,713	528,961	527,264	523,143	520,705	518,503	516,784	512,999	510,797	508,045	506,305
23,321	23,343	23,416	23,379	23,416	23,556	23,715	23,783	23,926	24,041	24,206
44	44	44	45	45	45	46	46	47	47	48
(25,698)	(26,186)	(26,601)	(28,038)	(28,218)	(27,647)	(27,873)	(27,721)	(28,526)	(28,851)	(28,389)
1,686	1,690	1,695	1,699	1,702	1,706	1,710	1,714	1,718	1,722	1,727
(66)	(65)	(64)	(61)	(60)	(62)	(61)	(62)	(60)	(60)	(61)
623,965	623,965	626,137	623,811	623,965	623,965	626,137	623,965	623,965	623,965	626,137
32,546	32,640	32,841	32,812	32,908	32,964	33,141	33,083	33,145	33,207	33,386
52	52	52	53	53	53	53	53	53	53	53

Portfolio:	Replacements I
Scenario:	Economy-Wide Decarbonization

All values in Nominal $

	2021	2022	2023	2024	2025	2026	2027	2028	2029
Capacity Purchase 200 MW PY2022/23									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-
Gap MW Portfolio I EWD									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	1,437	886	-	1,339	-	6,302	11,067
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Schahfer Capacity 2021 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]		-	-	-	-	-	-	-
Contract Cost ($/MWh)			-	-	-	-	-	-	-
Schahfer Capacity 2022 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	[redacted]		-	-	-	-	-	-
Contract Cost ($/MWh)	-			-	-	-	-	-	-
Schahfer Capacity 2023 (RFP)									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	[redacted]		-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Short Term Capacity #4									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	[redacted]	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Barton Wind Contract									
Contract Energy (MWh)	118,548	118,548	118,548	34,843	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
Buffalo Ridge Contract									
Contract Energy (MWh)	135,812	135,812	135,812	41,642	-	-	-	-	-
Contract Cost ($000s)	[redacted]				-	-	-	-	-
Contract Cost ($/MWh)					-	-	-	-	-
DSM Residential FiledPlan									
Contract Energy (MWh)	50,888	87,496	122,990	111,377	110,980	110,939	110,567	110,593	110,237
Contract Cost ($000s)	9,805	9,740	9,974	-	-	-	-	-	-
Contract Cost ($/MWh)	193	111	81	-	-	-	-	-	-
Jordan Creek									
Contract Energy (MWh)	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776	1,285,776	1,285,776	1,288,072	1,285,776
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
12,472	16,377	19,308	22,280	26,171	26,640	29,295	28,659	32,590	36,707	43,373
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
110,526	107,513	104,316	99,052	97,484	87,331	44,477	25,176	7,677	6,397	5,369
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
1 285 776	1 285 776	1 288 072	1 285 776	1 285 776	1 285 776	1 288 072	1 285 776	1 285 776	1 285 776	1 288 072
[redacted]										

LFIT - Biomass									
Contract Energy (MWh)	105,593	105,593	105,593	105,882	105,593	105,593	105,593	105,882	-
Contract Cost ($000s)	13,381	13,649	12,897	13,356	13,628	13,190	12,620	11,984	-
Contract Cost ($/MWh)	127	129	122	126	129	125	120	113	-
LFIT - Biomass FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Biomass FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Solar FIT 1.0									
Contract Energy (MWh)	23,239	23,239	23,239	23,190	23,007	22,891	22,775	22,724	22,542
Contract Cost ($000s)	7,222	7,366	7,288	7,454	7,552	7,511	7,442	7,376	-
Contract Cost ($/MWh)	311	317	314	321	328	328	327	325	-
LFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	6,379	6,379	6,379	6,365	6,315	6,283	6,251	6,237	6,187
Contract Cost ($000s)	957	957	895	902	896	848	793	734	664
Contract Cost ($/MWh)	150	150	140	142	142	135	127	118	107
LFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	3,526	6,411	6,411	6,397	6,347	6,315	6,283	6,269	6,219
Contract Cost ($000s)	487	885	823	829	824	777	721	662	593
Contract Cost ($/MWh)	138	138	128	130	130	123	115	106	95
LFIT - Wind FIT 1.0									
Contract Energy (MWh)	478	478	478	479	478	478	478	479	478
Contract Cost ($000s)	93	95	92	95	97	96	94	92	-
Contract Cost ($/MWh)	195	199	193	199	203	201	197	192	-
LFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
LFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185
Contract Cost ($000s)	-	440	409	414	414	392	366	338	304
Contract Cost ($/MWh)	-	138	128	130	130	123	115	106	95

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
22,449	22,333	22,281	22,101	21,984	21,891	21,838	21,659	21,566	21,450	21,395
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
6,162	6,130	6,116	6,066	6,065	6,039	6,024	5,975	5,949	5,917	5,902
619	596	-	-	-	-	-	-	-	-	-
100	97	-	-	-	-	-	-	-	-	-
6,193	6,161	6,146	6,097	6,065	6,039	6,024	5,975	5,949	5,917	5,902
547	525	499	483	463	464	472	-	-	-	-
88	85	81	79	76	77	78	-	-	-	-
478	478	479	478	478	478	479	478	478	478	479
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3,185	3,185	3,196	3,185	3,185	3,185	3,196	3,185	3,185	3,185	3,196
281	271	260	252	243	245	250	-	-	-	-
88	85	81	79	76	77	78	-	-	-	-

RFP PPA Brickyard Solar									
Contract Energy (MWh)	-	16,131	445,619	444,422	441,162	438,934	436,706	435,488	432,250
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Gibson Solar									
Contract Energy (MWh)	-	-	376,816	614,252	608,798	605,724	602,649	601,906	596,499
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Green River Solar									
Contract Energy (MWh)	-	-	297,873	481,527	477,977	475,563	473,149	471,848	468,321
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Solar)									
Contract Energy (MWh)	-	8 028	219 931	219 374	217 731	216 632	215 532	214 965	213 333
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA Greensboro S+S (Storage)									
Contract Energy (MWh)	-	(45)	(1 369)	(2 162)	(3 021)	(3 095)	(3 061)	(3 097)	(2 555)
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									
RFP PPA INCR II Wind									
Contract Energy (MWh)	-	-	65 782	682 074	679 945	679 945	679 945	682 074	679 945
Contract Cost ($000s)	[redacted]								
Contract Cost ($/MWh)									

430,468	428,240	427,002	423,783	421,555	419,773	418,516	415,317	413,534	411,306	410,029
[redacted]										
594,040	590,965	590,176	584,815	581,741	579,281	578,447	573,131	570,672	567,597	566,717
[redacted]										
466,390	463,976	462,653	459,148	456,734	454,803	453,458	449,975	448,043	445,629	444,263
[redacted]										
212,453	211,353	210,776	209,154	208,054	207,175	206,587	204,975	204,096	202,996	202,398
[redacted]										
(2,839)	(3,290)	(3,045)	(3,003)	(3,235)	(3,481)	(3,243)	(2,662)	(2,786)	(3,423)	(3,293)
[redacted]										
679,945	679,945	682,074	679,945	679,945	679,945	682,074	679,945	614,530	-	-
[redacted]										

SFIT - Solar FIT 1.0									
Contract Energy (MWh)	1,122	1,122	1,122	1,120	1,111	1,105	1,099	1,097	1,088
Contract Cost ($000s)	402	410	408	417	422	421	418	416	-
Contract Cost ($/MWh)	359	366	363	372	380	381	381	379	-
SFIT - Solar FIT 2.0 Allocation I									
Contract Energy (MWh)	144	144	144	144	143	142	141	141	140
Contract Cost ($000s)	25	25	23	23	23	22	21	19	18
Contract Cost ($/MWh)	170	170	160	162	162	155	147	138	127
SFIT - Solar FIT 2.0 Allocation II									
Contract Energy (MWh)	481	641	801	800	793	789	785	784	777
Contract Cost ($000s)	75	100	118	118	118	112	105	97	88
Contract Cost ($/MWh)	156	156	147	148	148	141	133	124	114
SFIT - Wind FIT 1.0									
Contract Energy (MWh)	32	32	32	32	32	32	32	32	-
Contract Cost ($000s)	8	8	8	9	9	9	9	8	-
Contract Cost ($/MWh)	259	265	260	267	273	271	269	266	-
SFIT - Wind FIT 2.0 Allocation I									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
SFIT - Wind FIT 2.0 Allocation II									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

1,084	1,078	1,076	1,067	1,061	1,057	1,054	1,046	1,041	1,036	1,033
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
139	139	138	137	136	136	136	134	134	133	133
17	16	-	-	-	-	-	-	-	-	-
120	117	-	-	-	-	-	-	-	-	-
774	770	768	762	758	755	753	747	744	740	738
83	80	77	74	72	72	73	-	-	-	-
107	104	100	98	95	95	97	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

DR Rates RAP Alt.									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM C&I FiledPlan									
Contract Energy (MWh)	87,935	178,187	272,166	272,317	270,907	266,072	260,381	250,799	238,775
Contract Cost ($000s)	11,050	14,246	15,013	-	-	-	-	-	-
Contract Cost ($/MWh)	126	80	55	-	-	-	-	-	-
DSM C&I RAP Alt. 2024-2029									
Contract Energy (MWh)	-	-	-	72,240	140,212	205,445	267,367	324,613	369,437
Contract Cost ($000s)	-	-	-	10,062	9,843	9,668	9,532	9,424	9,240
Contract Cost ($/MWh)	-	-	-	139	70	47	36	29	25
DSM C&I RAP Alt. 2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM C&I RAP Alt. 2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM Res Tier 1 RAP Alt. 2024-2029									
Contract Energy (MWh)	-	-	-	42,009	64,782	88,896	114,363	136,299	158,850
Contract Cost ($000s)	-	-	-	5,671	6,533	7,387	8,232	9,063	9,865
Contract Cost ($/MWh)	-	-	-	135	101	83	72	66	62
DSM Res Tier 1 RAP Alt. 2030-2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
DSM Res Tier 1 RAP Alt. 2036-2041									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
262	145	105	64	65	66	67	69	70	71	72
-	-	-	-	-	-	-	-	-	-	-
232,227	224,522	222,630	210,873	201,556	191,533	130,414	68,444	5,943	5,238	5,039
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
350,646	333,999	311,997	291,474	262,658	239,110	202,095	167,256	136,341	96,474	76,866
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
64,846	130,312	199,362	269,255	338,483	395,583	364,847	337,996	304,356	274,921	231,378
9,999	10,743	11,429	12,087	12,659	13,165	-	-	-	-	-
154	82	57	45	37	33	-	-	-	-	-
-	-	-	-	-	-	85,503	167,845	251,332	329,732	404,344
-	-	-	-	-	-	13,586	13,951	14,240	14,479	14,637
-	-	-	-	-	-	159	83	57	44	36
107,240	99,162	88,676	77,276	71,506	65,498	58,613	51,690	45,761	36,967	31,178
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
73,809	104,408	135,052	166,187	188,624	210,558	145,774	134,195	120,965	106,807	99,286
10,670	11,523	12,211	12,511	13,132	13,615	-	-	-	-	-
145	110	90	75	70	65	-	-	-	-	-
-	-	-	-	-	-	145,774	134,195	120,965	106,807	99,286
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Gas Peaking P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar EWD PPA 2030									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar EWD PPA 2032									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar EWD PPA 2033									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar EWD PPA 2034									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Generic Solar EWD PPA 2035									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
260,638	423,169	421,811	418,766	416,564	414,802	413,428	410,399	408,638	406,436	405,044
(2,528)	(5,463)	(7,116)	(7,927)	(9,085)	(8,831)	(8,178)	(7,104)	(6,943)	(6,552)	(5,865)
(10)	(13)	(17)	(19)	(22)	(21)	(20)	(17)	(17)	(16)	(14)
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	317,703	516,784	512,999	510,797	508,045	506,305
-	-	-	-	-	(6,176)	(9,266)	(7,931)	(7,733)	(7,250)	(6,395)
-	-	-	-	-	(19)	(18)	(15)	(15)	(14)	(13)

Hydrogen P1 5 Percent H2									
Contract Energy (MWh)	-	-	-	225	79,257	79,257	79,257	79,482	79,257
Contract Cost ($000s)	-	-	-	2	637	243	(212)	(712)	(1,245)
Contract Cost ($/MWh)	-	-	-	7	8	3	(3)	(9)	(16)
Hydrogen P1 95 Percent Gas									
Contract Energy (MWh)	-	-	-	-	97,665	86,342	70,808	60,707	89,115
Contract Cost ($000s)	-	-	-	58	25,386	25,605	25,635	25,849	27,573
Contract Cost ($/MWh)	-	-	-	-	260	297	362	426	309
Hydrogen P1 Full H2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Hydrogen P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	18	6,720	6,720	6,720	6,720
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Other Thermal P2									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Solar P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Paired Storage P1									
Contract Energy (MWh)	-	-	-	-	-	-	-	-	-
Contract Cost ($000s)	-	-	-	-	-	-	-	-	-
Contract Cost ($/MWh)	-	-	-	-	-	-	-	-	-
Solar P2									
Contract Energy (MWh)	-	-	-	-	-	542,171	539,419	537,743	533,915
Contract Cost ($000s)	-	-	-	-	-	14,259	10,179	5,619	481
Contract Cost ($/MWh)	-	-	-	-	-	26	19	10	1
Storage P2									
Contract Energy (MWh)	-	-	-	-	(25,193)	(26,229)	(26,869)	(27,724)	(28,352)
Contract Cost ($000s)	-	-	-	-	1,667	1,671	1,675	1,679	1,682
Contract Cost ($/MWh)	-	-	-	-	(66)	(64)	(62)	(61)	(59)
Wind P1									
Contract Energy (MWh)	-	-	-	-	-	623,965	623,965	626,137	623,965
Contract Cost ($000s)	-	-	-	-	-	22,219	17,396	12,003	5,815
Contract Cost ($/MWh)	-	-	-	-	-	36	28	19	9

79,257	79,257	79,482	79,257	79,257	79,257	79,482	79,257	79,257	79,257	79,482
(1,564)	(1,659)	(1,797)	(1,807)	(1,866)	(1,742)	(1,580)	(1,356)	(1,251)	(1,121)	(965)
(20)	(21)	(23)	(23)	(24)	(22)	(20)	(17)	(16)	(14)	(12)
96,858	125,718	125,396	-	-	-	-	-	-	-	-
28,539	30,510	31,140	-	-	-	-	-	-	-	-
295	243	248	-	-	-	-	-	-	-	-
-	-	-	114,381	129,847	168,760	161,300	208,957	258,018	271,131	273,108
-	-	76	38,970	39,870	42,211	43,959	50,853	59,130	64,370	68,615
-	-	-	341	307	250	273	243	229	237	251
-	-	-	-	-	-	-	-	-	-	-
6,720	6,720	6,720	6,720	6,720	6,720	6,720	6,720	6,720	6,720	6,720
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
531,713	528,961	527,264	523,457	520,705	518,503	516,784	512,999	510,797	508,045	506,305
(3,063)	(4,602)	(6,533)	(7,417)	(8,732)	(8,187)	(7,137)	(5,576)	(5,144)	(4,435)	(3,342)
(6)	(9)	(12)	(14)	(17)	(16)	(14)	(11)	(10)	(9)	(7)
(28,551)	(28,161)	(28,611)	(29,291)	(28,350)	(27,151)	(27,134)	(26,302)	(26,015)	(26,105)	(25,759)
1,686	1,690	1,695	1,699	1,702	1,706	1,710	1,714	1,718	1,722	1,727
(59)	(60)	(59)	(58)	(60)	(63)	(63)	(65)	(66)	(66)	(67)
623,965	623,965	626,137	623,965	623,965	623,965	626,137	623,965	623,965	623,965	626,137
1,585	(331)	(2,724)	(3,906)	(5,616)	(5,229)	(4,245)	(2,627)	(2,365)	(1,766)	(676)
3	(1)	(4)	(6)	(9)	(8)	(7)	(4)	(4)	(3)	(1)

Resource Capacity Factor Summary

Portfolio	Replacements A
Scenario	Reference

Capacity Factor

	Indiana Crossroads Wind I	Michigan City #12	NIPSCO Customer-Owned BTM Storage	NIPSCO Customer-Owned Distributed Generation	Norway #1-#4 NIPS	Oakdale #1+2+3	Cavalry S+S (Solar Only)	Cavalry S+S (Storage Only)
2021	43%	68%	0%	19%	65%	52%	0%	0%
2022	37%	67%	0%	19%	65%	52%	0%	0%
2023	37%	73%	0%	19%	65%	52%	11%	-2%
2024	38%	79%	0%	19%	65%	52%	25%	-1%
2025	37%	71%	0%	19%	65%	52%	25%	-1%
2026	37%	68%	0%	20%	65%	52%	25%	-2%
2027	37%	0%	0%	19%	65%	52%	25%	-2%
2028	38%	0%	0%	19%	65%	52%	25%	-2%
2029	37%	0%	0%	19%	65%	52%	25%	-2%
2030	37%	0%	-3%	19%	65%	52%	25%	-2%
2031	37%	0%	-3%	19%	65%	52%	25%	-2%
2032	38%	0%	-3%	19%	65%	52%	25%	-2%
2033	37%	0%	-3%	19%	65%	52%	25%	-2%
2034	37%	0%	-3%	19%	65%	52%	25%	-2%
2035	37%	0%	-3%	19%	65%	52%	25%	-2%
2036	38%	0%	-3%	19%	65%	52%	25%	-2%
2037	37%	0%	-3%	20%	65%	52%	25%	-2%
2038	37%	0%	-3%	19%	65%	52%	25%	-2%
2039	37%	0%	-3%	19%	65%	52%	25%	-2%
2040	38%	0%	-3%	19%	65%	52%	25%	-2%

Dunns Bridge 1 Solar	Dunns Bridge 2 S+S (Solar Only)	Dunns Bridge 2 S+S (Storage Only)	Elliot Solar	Fairbanks Solar	INCR Solar	RM Schahfer #15	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	Rosewater	Sugar Creek Power Plant	Sugar Creek Power Plant_5 Percent H2	Sugar Creek Power Plant_95 Percent Gas
0%	0%	0%	0%	0%	0%	73%	2%	2%	42%	56%	35%	70%	0%	0%
10%	0%	0%	0%	0%	9%	0%	0%	0%	57%	62%	35%	65%	0%	0%
24%	10%	-2%	26%	17%	25%	0%	0%	0%	61%	66%	35%	68%	0%	0%
24%	24%	-1%	25%	27%	25%	0%	0%	1%	0%	0%	35%	66%	0%	0%
24%	24%	-1%	25%	27%	25%	0%	0%	1%	0%	0%	35%	65%	0%	0%
24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	66%	0%	0%
24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%

Sugar Creek Power Plant_Duct Firing	Sugar Creek Power Plant_Uprated	Sugar Creek Power Plant_Uprated_with H2	DER_Paired_S+B_Ref_HighAvo	Generic 4-Hour Storage_Ref_2032	Generic 4-Hour Storage_Ref_2034	Generic 4-Hour Storage_Ref_2036	Generic 4-Hour Storage_Ref_2037	Generic Solar_Ref_2030	Generic Solar_Ref_2032	Generic Solar_Ref_2033	Generic Solar_Ref_2034	Generic Solar_Ref_2035	Generic Solar_Ref_2039	Generic Solar_Ref_2040
12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
4%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
3%	69%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2%	56%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
5%	67%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
5%	63%	0%	6%	0%	0%	0%	0%	26%	0%	0%	0%	0%	0%	0%
4%	62%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%	0%
3%	62%	0%	6%	0%	0%	0%	0%	25%	26%	0%	0%	0%	0%	0%
4%	61%	0%	6%	0%	0%	0%	0%	25%	25%	0%	0%	0%	0%	0%
4%	61%	0%	6%	0%	0%	0%	0%	25%	25%	0%	0%	0%	0%	0%
5%	60%	0%	6%	0%	0%	0%	0%	25%	25%	0%	0%	26%	0%	0%
4%	51%	0%	6%	0%	0%	0%	0%	25%	25%	0%	0%	25%	0%	0%
5%	62%	0%	6%	0%	0%	0%	-3%	25%	25%	0%	0%	25%	0%	0%
6%	64%	0%	6%	0%	0%	0%	-3%	25%	25%	0%	0%	25%	0%	0%
7%	68%	0%	6%	0%	0%	0%	-3%	25%	25%	0%	0%	25%	26%	0%
7%	68%	0%	6%	0%	0%	0%	-3%	25%	25%	0%	0%	25%	25%	26%

Gas CC A1	Gas Peaking A1	Storage A2
0%	0%	0%
0%	0%	0%
0%	0%	0%
0%	0%	0%
0%	0%	0%
0%	0%	0%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%

Portfolio	Replacements A
Scenario	Aggressive Environmental Regulation

Capacity Factor

	Indiana Crossroads Wind I	Michigan City #12	NIPSCO Customer-Owned BTM Storage	NIPSCO Customer-Owned Distributed Generation	Norway #1-#4 NIPS	Oakdale #1+2+3	Cavalry S+S (Solar Only)	Cavalry S+S (Storage Only)
2021	43%	68%	0%	19%	65%	52%	0%	0%
2022	37%	70%	0%	19%	65%	52%	0%	0%
2023	37%	74%	0%	19%	65%	52%	11%	-2%
2024	38%	74%	-2%	19%	65%	52%	25%	-1%
2025	37%	65%	-2%	19%	65%	52%	25%	-1%
2026	37%	74%	-2%	20%	65%	52%	25%	-2%
2027	37%	0%	-3%	19%	65%	52%	25%	-2%
2028	38%	0%	-3%	19%	65%	52%	25%	-2%
2029	37%	0%	-3%	19%	65%	52%	25%	-2%
2030	37%	0%	-3%	19%	65%	52%	24%	-2%
2031	37%	0%	-3%	19%	65%	52%	24%	-2%
2032	38%	0%	-3%	19%	65%	52%	24%	-2%
2033	37%	0%	-3%	19%	65%	52%	24%	-2%
2034	37%	0%	-3%	19%	65%	52%	23%	-2%
2035	37%	0%	-3%	19%	65%	52%	23%	-2%
2036	38%	0%	-3%	19%	65%	52%	23%	-2%
2037	37%	0%	-3%	20%	65%	52%	23%	-2%
2038	37%	0%	-3%	19%	65%	52%	22%	-2%
2039	37%	0%	-3%	19%	65%	52%	23%	-2%
2040	38%	0%	-3%	19%	65%	52%	23%	-2%

Dunns Bridge 1 Solar	Dunns Bridge 2 S+S (Solar Only)	Dunns Bridge 2 S+S (Storage Only)	Elliot Solar	Fairbanks Solar	INCR Solar	RM Schahfer #15	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	Rosewater	Sugar Creek Power Plant	Sugar Creek Power Plant_5 Percent H2	Sugar Creek Power Plant_95 Percent Gas
0%	0%	0%	0%	0%	0%	73%	2%	2%	41%	57%	35%	70%	0%	0%
10%	0%	0%	0%	0%	9%	0%	0%	0%	63%	65%	35%	54%	0%	0%
24%	10%	-2%	26%	17%	25%	0%	0%	0%	62%	67%	35%	51%	0%	0%
24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	55%	0%	0%
24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	43%	0%	0%
24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	37%	0%	0%
24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
24%	24%	-2%	24%	26%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
24%	24%	-2%	24%	26%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
24%	24%	-2%	24%	26%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
23%	24%	-2%	23%	25%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
23%	24%	-2%	23%	25%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
23%	23%	-2%	23%	24%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
23%	23%	-2%	22%	24%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
22%	22%	-2%	22%	23%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
22%	22%	-2%	22%	23%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
21%	22%	-2%	21%	23%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
21%	22%	-2%	21%	23%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
22%	23%	-2%	22%	23%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%

Sugar Creek Power Plant_Duct Firing	Sugar Creek Power Plant_Uprated	Sugar Creek Power Plant_Uprated_with H2	DER_Paired_S+B_Ref_HighAvo	Generic 4-Hour Storage_Ref_2032	Generic 4-Hour Storage_Ref_2034	Generic 4-Hour Storage_Ref_2036	Generic 4-Hour Storage_Ref_2037	Generic Solar_Ref_2030	Generic Solar_Ref_2032	Generic Solar_Ref_2033	Generic Solar_Ref_2034	Generic Solar_Ref_2035	Generic Solar_Ref_2039	Generic Solar_Ref_2040
12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1%	40%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	32%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1%	37%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1%	36%	0%	6%	0%	0%	0%	0%	26%	0%	0%	0%	0%	0%	0%
2%	42%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%	0%
2%	48%	0%	6%	0%	0%	0%	0%	25%	26%	0%	0%	0%	0%	0%
2%	50%	0%	6%	0%	0%	0%	0%	25%	25%	0%	0%	0%	0%	0%
1%	47%	0%	6%	0%	0%	0%	0%	25%	25%	0%	0%	0%	0%	0%
1%	42%	0%	6%	0%	0%	0%	0%	25%	25%	0%	0%	26%	0%	0%
1%	32%	0%	6%	0%	0%	0%	0%	25%	25%	0%	0%	25%	0%	0%
1%	39%	0%	6%	0%	0%	0%	-3%	25%	25%	0%	0%	25%	0%	0%
1%	36%	0%	6%	0%	0%	0%	-3%	25%	25%	0%	0%	25%	0%	0%
1%	36%	0%	6%	0%	0%	0%	-3%	25%	25%	0%	0%	25%	26%	0%
0%	34%	0%	6%	0%	0%	0%	-3%	25%	25%	0%	0%	25%	25%	26%

Gas CC A1	Gas Peaking A1	Storage A2
0%	0%	0%
0%	0%	0%
0%	0%	0%
0%	0%	0%
0%	0%	0%
0%	0%	0%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%

Portfolio	Replacements A
Scenario	Status Quo Extended

Capacity Factor

	Indiana Crossroads Wind I	Michigan City #12	NIPSCO Customer-Owned BTM Storage	NIPSCO Customer-Owned Distributed Generation	Norway #1-#4 NIPS	Oakdale #1+2+3	Cavalry S+S (Solar Only)	Cavalry S+S (Storage Only)
2021	43%	68%	0%	19%	65%	52%	0%	0%
2022	37%	64%	0%	19%	65%	52%	0%	0%
2023	37%	69%	0%	19%	65%	52%	11%	-1%
2024	38%	75%	0%	19%	65%	52%	25%	-1%
2025	37%	64%	0%	19%	65%	52%	25%	-2%
2026	37%	70%	0%	20%	65%	52%	25%	-2%
2027	37%	0%	0%	19%	65%	52%	25%	-2%
2028	38%	0%	0%	19%	65%	52%	25%	-2%
2029	37%	0%	0%	19%	65%	52%	25%	-2%
2030	37%	0%	0%	19%	65%	52%	25%	-2%
2031	37%	0%	0%	19%	65%	52%	25%	-2%
2032	38%	0%	0%	19%	65%	52%	25%	-2%
2033	37%	0%	0%	19%	65%	52%	25%	-2%
2034	37%	0%	0%	19%	65%	52%	25%	-2%
2035	37%	0%	0%	19%	65%	52%	25%	-2%
2036	38%	0%	0%	19%	65%	52%	25%	-2%
2037	37%	0%	0%	20%	65%	52%	25%	-2%
2038	37%	0%	0%	19%	65%	52%	25%	-2%
2039	37%	0%	0%	19%	65%	52%	25%	-2%
2040	38%	0%	0%	19%	65%	52%	25%	-2%

Dunns Bridge 1 Solar	Dunns Bridge 2 S+S (Solar Only)	Dunns Bridge 2 S+S (Storage Only)	Elliot Solar	Fairbanks Solar	INCR Solar	RM Schahfer #15	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	Rosewater	Sugar Creek Power Plant	Sugar Creek Power Plant_5 Percent H2	Sugar Creek Power Plant_95 Percent Gas
0%	0%	0%	0%	0%	0%	73%	2%	2%	41%	56%	35%	70%	0%	0%
10%	0%	0%	0%	0%	9%	0%	0%	0%	54%	59%	35%	69%	0%	0%
24%	10%	-1%	26%	17%	25%	0%	0%	0%	55%	60%	35%	86%	0%	0%
24%	24%	-1%	25%	27%	25%	0%	0%	3%	0%	0%	35%	87%	0%	0%
24%	24%	-2%	25%	27%	25%	0%	0%	3%	0%	0%	35%	87%	0%	0%
24%	24%	-2%	25%	27%	25%	0%	0%	2%	0%	0%	35%	82%	0%	0%
24%	24%	-2%	25%	27%	25%	0%	0%	1%	0%	0%	35%	0%	0%	0%
24%	24%	-2%	25%	27%	25%	0%	0%	1%	0%	0%	35%	0%	0%	0%
24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%

Sugar Creek Power Plant_Duct Firing	Sugar Creek Power Plant_Uprated	Sugar Creek Power Plant_Uprated_with H2	DER_Paired_S+B_Ref_HighAvo	Generic 4-Hour Storage_Ref_2032	Generic 4-Hour Storage_Ref_2034	Generic 4-Hour Storage_Ref_2036	Generic 4-Hour Storage_Ref_2037	Generic Solar_Ref_2030	Generic Solar_Ref_2032	Generic Solar_Ref_2033	Generic Solar_Ref_2034	Generic Solar_Ref_2035	Generic Solar_Ref_2039	Generic Solar_Ref_2040
12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
21%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
19%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
16%	86%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
12%	70%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
17%	84%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
16%	79%	0%	6%	0%	0%	0%	0%	26%	0%	0%	0%	0%	0%	0%
15%	81%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%	0%
15%	80%	0%	6%	0%	0%	0%	0%	25%	26%	0%	0%	0%	0%	0%
15%	79%	0%	6%	0%	0%	0%	0%	25%	25%	0%	0%	0%	0%	0%
15%	76%	0%	6%	0%	0%	0%	0%	25%	25%	0%	0%	0%	0%	0%
15%	78%	0%	6%	0%	0%	0%	0%	25%	25%	0%	0%	26%	0%	0%
11%	64%	0%	6%	0%	0%	0%	0%	25%	25%	0%	0%	25%	0%	0%
14%	77%	0%	6%	0%	0%	0%	-3%	25%	25%	0%	0%	25%	0%	0%
13%	73%	0%	6%	0%	0%	0%	-3%	25%	25%	0%	0%	25%	0%	0%
16%	77%	0%	6%	0%	0%	0%	-3%	25%	25%	0%	0%	25%	26%	0%
16%	78%	0%	6%	0%	0%	0%	-3%	25%	25%	0%	0%	25%	25%	26%

Gas CC A1	Gas Peaking A1	Storage A2
0%	0%	0%
0%	0%	0%
0%	0%	0%
0%	0%	0%
0%	0%	0%
0%	0%	0%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%

Portfolio	Replacements A
Scenario	Economy-Wide Decarbonization

Capacity Factor

	Indiana Crossroads Wind I	Michigan City #12	NIPSCO Customer-Owned BTM Storage	NIPSCO Customer-Owned Distributed Generation	Norway #1-#4 NIPS	Oakdale #1+2+3	Cavalry S+S (Solar Only)	Cavalry S+S (Storage Only)
2021	43%	68%	0%	19%	65%	52%	0%	0%
2022	37%	65%	0%	19%	65%	52%	0%	0%
2023	37%	72%	0%	19%	65%	52%	11%	-1%
2024	38%	78%	-1%	19%	65%	52%	25%	-1%
2025	37%	70%	-1%	19%	65%	52%	25%	-1%
2026	37%	77%	0%	20%	65%	52%	25%	-1%
2027	37%	0%	0%	19%	65%	52%	25%	-1%
2028	38%	0%	0%	19%	65%	52%	25%	-1%
2029	37%	0%	0%	19%	65%	52%	25%	-1%
2030	37%	0%	0%	19%	65%	52%	25%	-1%
2031	37%	0%	0%	19%	65%	52%	25%	-1%
2032	38%	0%	0%	19%	65%	52%	25%	-1%
2033	37%	0%	0%	19%	65%	52%	25%	-1%
2034	37%	0%	0%	19%	65%	52%	25%	-1%
2035	37%	0%	0%	19%	65%	52%	25%	-1%
2036	38%	0%	0%	19%	65%	52%	25%	-1%
2037	37%	0%	0%	20%	65%	52%	25%	-1%
2038	37%	0%	0%	19%	65%	52%	25%	-1%
2039	37%	0%	0%	19%	65%	52%	25%	-1%
2040	38%	0%	0%	19%	65%	52%	25%	-1%

Dunns Bridge 1 Solar	Dunns Bridge 2 S+S (Solar Only)	Dunns Bridge 2 S+S (Storage Only)	Elliot Solar	Fairbanks Solar	INCR Solar	RM Schahfer #15	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	Rosewater	Sugar Creek Power Plant	Sugar Creek Power Plant_5 Percent H2	Sugar Creek Power Plant_95 Percent Gas
0%	0%	0%	0%	0%	0%	73%	2%	2%	42%	57%	35%	70%	0%	0%
10%	0%	0%	0%	0%	9%	0%	0%	0%	55%	61%	35%	64%	0%	0%
24%	10%	-1%	26%	17%	25%	0%	0%	0%	60%	64%	35%	67%	0%	0%
24%	24%	-1%	25%	27%	25%	0%	0%	1%	0%	0%	35%	64%	0%	0%
24%	24%	-1%	25%	27%	25%	0%	0%	1%	0%	0%	35%	60%	0%	0%
24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	54%	0%	0%
24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%
24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%	0%

Sugar Creek Power Plant_Duct Firing	Sugar Creek Power Plant_Uprated	Sugar Creek Power Plant_Uprated_with H2	DER_Paired_S+B_Ref_HighAvo	Generic 4-Hour Storage_Ref_2032	Generic 4-Hour Storage_Ref_2034	Generic 4-Hour Storage_Ref_2036	Generic 4-Hour Storage_Ref_2037	Generic Solar_Ref_2030	Generic Solar_Ref_2032	Generic Solar_Ref_2033	Generic Solar_Ref_2034	Generic Solar_Ref_2035	Generic Solar_Ref_2039	Generic Solar_Ref_2040
12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
3%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
3%	53%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1%	39%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
4%	44%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
4%	44%	0%	6%	0%	0%	0%	0%	26%	0%	0%	0%	0%	0%	0%
5%	50%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%	0%
5%	50%	0%	6%	0%	0%	0%	0%	25%	26%	0%	0%	0%	0%	0%
4%	48%	0%	6%	0%	0%	0%	0%	25%	25%	0%	0%	0%	0%	0%
4%	51%	0%	6%	0%	0%	0%	0%	25%	25%	0%	0%	0%	0%	0%
7%	59%	0%	6%	0%	0%	0%	0%	25%	25%	0%	0%	26%	0%	0%
5%	48%	0%	6%	0%	0%	0%	0%	25%	25%	0%	0%	25%	0%	0%
8%	66%	0%	6%	0%	0%	0%	-3%	25%	25%	0%	0%	25%	0%	0%
11%	67%	0%	6%	0%	0%	0%	-3%	25%	25%	0%	0%	25%	0%	0%
13%	70%	0%	6%	0%	0%	0%	-3%	25%	25%	0%	0%	25%	26%	0%
12%	70%	0%	6%	0%	0%	0%	-3%	25%	25%	0%	0%	25%	25%	26%

Gas CC A1	Gas Peaking A1	Storage A2
0%	0%	0%
0%	0%	0%
0%	0%	0%
0%	0%	0%
0%	0%	0%
0%	0%	0%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%
0%	0%	-3%

Resource Capacity Factor Summary

Portfolio	Replacements B
Scenario	Reference

Capacity Factor

	Indiana Crossroads Wind I	Michigan City #12	NIPSCO Customer-Owned BTM Storage	NIPSCO Customer-Owned Distributed Generation	Norway #1-#4 NIPS	Oakdale #1+2+3	Cavalry S+S (Solar Only)
2021	43%	68%	0%	19%	65%	52%	0%
2022	37%	67%	0%	19%	65%	52%	0%
2023	37%	73%	0%	19%	65%	52%	11%
2024	38%	79%	0%	19%	65%	52%	25%
2025	37%	71%	0%	19%	65%	52%	25%
2026	37%	68%	0%	20%	65%	52%	25%
2027	37%	0%	0%	19%	65%	52%	25%
2028	38%	0%	0%	19%	65%	52%	25%
2029	37%	0%	0%	19%	65%	52%	25%
2030	37%	0%	-3%	19%	65%	52%	25%
2031	37%	0%	-3%	19%	65%	52%	25%
2032	38%	0%	-3%	19%	65%	52%	25%
2033	37%	0%	-3%	19%	65%	52%	25%
2034	37%	0%	-3%	19%	65%	52%	25%
2035	37%	0%	-3%	19%	65%	52%	25%
2036	38%	0%	-3%	19%	65%	52%	25%
2037	37%	0%	-3%	20%	65%	52%	25%
2038	37%	0%	-3%	19%	65%	52%	25%
2039	37%	0%	-3%	19%	65%	52%	25%
2040	38%	0%	-3%	19%	65%	52%	25%

Cavalry S+S (Storage Only)	Dunns Bridge 1 Solar	Dunns Bridge 2 S+S (Solar Only)	Dunns Bridge 2 S+S (Storage Only)	Elliot Solar	Fairbanks Solar	INCR Solar	RM Schahfer #15	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	Rosewater	Sugar Creek Power Plant	Sugar Creek Power Plant_5 Percent H2
0%	0%	0%	0%	0%	0%	0%	73%	2%	2%	42%	56%	35%	70%	0%
0%	10%	0%	0%	0%	0%	9%	0%	0%	0%	57%	62%	35%	65%	0%
-2%	24%	10%	-2%	26%	17%	25%	0%	0%	0%	61%	66%	35%	68%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	1%	0%	0%	35%	66%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	1%	0%	0%	35%	65%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	66%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%

Sugar Creek Power Plant_95 Percent Gas	Sugar Creek Power Plant_Duct Firing	Sugar Creek Power Plant_Uprated	Sugar Creek Power Plant_Uprated_with H2	DER_Paired_S+B_Ref_HighAvo	Generic 4-Hour Storage_Ref_2032	Generic 4-Hour Storage_Ref_2034	Generic 4-Hour Storage_Ref_2036	Generic 4-Hour Storage_Ref_2037	Generic Solar_Ref_2030	Generic Solar_Ref_2032	Generic Solar_Ref_2033	Generic Solar_Ref_2034	Generic Solar_Ref_2035	Generic Solar_Ref_2039
0%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	4%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	3%	69%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	2%	56%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	5%	67%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	5%	63%	0%	6%	0%	0%	0%	0%	26%	0%	0%	0%	0%	0%
0%	4%	62%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	3%	62%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	4%	61%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	4%	61%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	5%	60%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	26%	0%
0%	4%	51%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	25%	0%
0%	5%	62%	0%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	0%
0%	6%	64%	0%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	0%
0%	7%	68%	0%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	26%
0%	7%	68%	0%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	25%

Generic Solar_Ref_2040	Gas CC A1	Gas Peaking A1	Storage A2
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
26%	0%	0%	0%

Portfolio	Replacements B
Scenario	Aggressive Environmental Regulation

Capacity Factor

	Indiana Crossroads Wind I	Michigan City #12	NIPSCO Customer-Owned BTM Storage	NIPSCO Customer-Owned Distributed Generation	Norway #1-#4 NIPS	Oakdale #1+2+3	Cavalry S+S (Solar Only)
2021	43%	68%	0%	19%	65%	52%	0%
2022	37%	70%	0%	19%	65%	52%	0%
2023	37%	74%	0%	19%	65%	52%	11%
2024	38%	74%	-2%	19%	65%	52%	25%
2025	37%	65%	-2%	19%	65%	52%	25%
2026	37%	74%	-2%	20%	65%	52%	25%
2027	37%	0%	-3%	19%	65%	52%	25%
2028	38%	0%	-3%	19%	65%	52%	25%
2029	37%	0%	-3%	19%	65%	52%	25%
2030	37%	0%	-3%	19%	65%	52%	24%
2031	37%	0%	-3%	19%	65%	52%	24%
2032	38%	0%	-3%	19%	65%	52%	24%
2033	37%	0%	-3%	19%	65%	52%	24%
2034	37%	0%	-3%	19%	65%	52%	23%
2035	37%	0%	-3%	19%	65%	52%	23%
2036	38%	0%	-3%	19%	65%	52%	23%
2037	37%	0%	-3%	20%	65%	52%	23%
2038	37%	0%	-3%	19%	65%	52%	22%
2039	37%	0%	-3%	19%	65%	52%	23%
2040	38%	0%	-3%	19%	65%	52%	23%

Cavalry S+S (Storage Only)	Dunns Bridge 1 Solar	Dunns Bridge 2 S+S (Solar Only)	Dunns Bridge 2 S+S (Storage Only)	Elliot Solar	Fairbanks Solar	INCR Solar	RM Schahfer #15	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	Rosewater	Sugar Creek Power Plant	Sugar Creek Power Plant_5 Percent H2
0%	0%	0%	0%	0%	0%	0%	73%	2%	2%	41%	57%	35%	70%	0%
0%	10%	0%	0%	0%	0%	9%	0%	0%	0%	63%	65%	35%	54%	0%
-2%	24%	10%	-2%	26%	17%	25%	0%	0%	0%	62%	67%	35%	51%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	55%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	43%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	37%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	24%	26%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	24%	26%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	24%	26%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	23%	24%	-2%	23%	25%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	23%	24%	-2%	23%	25%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	23%	23%	-2%	23%	24%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	23%	23%	-2%	22%	24%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	22%	22%	-2%	22%	23%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	22%	22%	-2%	22%	23%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	21%	22%	-2%	21%	23%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	21%	22%	-2%	21%	23%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	22%	23%	-2%	22%	23%	25%	0%	0%	0%	0%	0%	35%	0%	0%

Sugar Creek Power Plant_95 Percent Gas	Sugar Creek Power Plant_Duct Firing	Sugar Creek Power Plant_Uprated	Sugar Creek Power Plant_Uprated_with H2	DER_Paired_S+B_Ref_HighAvo	Generic 4-Hour Storage_Ref_2032	Generic 4-Hour Storage_Ref_2034	Generic 4-Hour Storage_Ref_2036	Generic 4-Hour Storage_Ref_2037	Generic Solar_Ref_2030	Generic Solar_Ref_2032	Generic Solar_Ref_2033	Generic Solar_Ref_2034	Generic Solar_Ref_2035	Generic Solar_Ref_2039
0%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	40%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	0%	32%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	37%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	36%	0%	6%	0%	0%	0%	0%	26%	0%	0%	0%	0%	0%
0%	2%	42%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	2%	48%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	2%	50%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	1%	47%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	1%	42%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	26%	0%
0%	1%	32%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	25%	0%
0%	1%	39%	0%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	0%
0%	1%	36%	0%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	0%
0%	1%	36%	0%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	26%
0%	0%	34%	0%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	25%

Generic Solar_Ref_2040	Gas CC A1	Gas Peaking A1	Storage A2
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
26%	0%	0%	0%

Portfolio	Replacements B
Scenario	Status Quo Extended

Capacity Factor

	Indiana Crossroads Wind I	Michigan City #12	NIPSCO Customer-Owned BTM Storage	NIPSCO Customer-Owned Distributed Generation	Norway #1-#4 NIPS	Oakdale #1+2+3	Cavalry S+S (Solar Only)
2021	43%	68%	0%	19%	65%	52%	0%
2022	37%	64%	0%	19%	65%	52%	0%
2023	37%	69%	0%	19%	65%	52%	11%
2024	38%	75%	0%	19%	65%	52%	25%
2025	37%	64%	0%	19%	65%	52%	25%
2026	37%	70%	0%	20%	65%	52%	25%
2027	37%	0%	0%	19%	65%	52%	25%
2028	38%	0%	0%	19%	65%	52%	25%
2029	37%	0%	0%	19%	65%	52%	25%
2030	37%	0%	0%	19%	65%	52%	25%
2031	37%	0%	0%	19%	65%	52%	25%
2032	38%	0%	0%	19%	65%	52%	25%
2033	37%	0%	0%	19%	65%	52%	25%
2034	37%	0%	0%	19%	65%	52%	25%
2035	37%	0%	0%	19%	65%	52%	25%
2036	38%	0%	0%	19%	65%	52%	25%
2037	37%	0%	0%	20%	65%	52%	25%
2038	37%	0%	0%	19%	65%	52%	25%
2039	37%	0%	0%	19%	65%	52%	25%
2040	38%	0%	0%	19%	65%	52%	25%

Cavalry S+S (Storage Only)	Dunns Bridge 1 Solar	Dunns Bridge 2 S+S (Solar Only)	Dunns Bridge 2 S+S (Storage Only)	Elliot Solar	Fairbanks Solar	INCR Solar	RM Schahfer #15	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	Rosewater	Sugar Creek Power Plant	Sugar Creek Power Plant_5 Percent H2
0%	0%	0%	0%	0%	0%	0%	73%	2%	2%	41%	56%	35%	70%	0%
0%	10%	0%	0%	0%	0%	9%	0%	0%	0%	54%	59%	35%	69%	0%
-1%	24%	10%	-1%	26%	17%	25%	0%	0%	0%	55%	60%	35%	86%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	3%	0%	0%	35%	87%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	3%	0%	0%	35%	87%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	2%	0%	0%	35%	82%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	1%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	1%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%

Sugar Creek Power Plant_95 Percent Gas	Sugar Creek Power Plant_Duct Firing	Sugar Creek Power Plant_Uprated	Sugar Creek Power Plant_Uprated_with H2	DER_Paired_S+B_Ref_HighAvo	Generic 4-Hour Storage_Ref_2032	Generic 4-Hour Storage_Ref_2034	Generic 4-Hour Storage_Ref_2036	Generic 4-Hour Storage_Ref_2037	Generic Solar_Ref_2030	Generic Solar_Ref_2032	Generic Solar_Ref_2033	Generic Solar_Ref_2034	Generic Solar_Ref_2035	Generic Solar_Ref_2039
0%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	21%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	19%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	16%	86%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	12%	70%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	17%	84%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	16%	79%	0%	6%	0%	0%	0%	0%	26%	0%	0%	0%	0%	0%
0%	15%	81%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	15%	80%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	15%	79%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	15%	76%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	15%	78%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	26%	0%
0%	11%	64%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	25%	0%
0%	14%	77%	0%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	0%
0%	13%	73%	0%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	0%
0%	16%	77%	0%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	26%
0%	16%	78%	0%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	25%

Generic Solar_Ref_2040	Gas CC A1	Gas Peaking A1	Storage A2
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
26%	0%	0%	0%

Portfolio	Replacements B
Scenario	Economy-Wide Decarbonization

Capacity Factor

	Indiana Crossroads Wind I	Michigan City #12	NIPSCO Customer-Owned BTM Storage	NIPSCO Customer-Owned Distributed Generation	Norway #1-#4 NIPS	Oakdale #1+2+3	Cavalry S+S (Solar Only)
2021	43%	68%	0%	19%	65%	52%	0%
2022	37%	65%	0%	19%	65%	52%	0%
2023	37%	72%	0%	19%	65%	52%	11%
2024	38%	78%	-1%	19%	65%	52%	25%
2025	37%	70%	-1%	19%	65%	52%	25%
2026	37%	77%	0%	20%	65%	52%	25%
2027	37%	0%	0%	19%	65%	52%	25%
2028	38%	0%	0%	19%	65%	52%	25%
2029	37%	0%	0%	19%	65%	52%	25%
2030	37%	0%	0%	19%	65%	52%	25%
2031	37%	0%	0%	19%	65%	52%	25%
2032	38%	0%	0%	19%	65%	52%	25%
2033	37%	0%	0%	19%	65%	52%	25%
2034	37%	0%	0%	19%	65%	52%	25%
2035	37%	0%	0%	19%	65%	52%	25%
2036	38%	0%	0%	19%	65%	52%	25%
2037	37%	0%	0%	20%	65%	52%	25%
2038	37%	0%	0%	19%	65%	52%	25%
2039	37%	0%	0%	19%	65%	52%	25%
2040	38%	0%	0%	19%	65%	52%	25%

Cavalry S+S (Storage Only)	Dunns Bridge 1 Solar	Dunns Bridge 2 S+S (Solar Only)	Dunns Bridge 2 S+S (Storage Only)	Elliot Solar	Fairbanks Solar	INCR Solar	RM Schahfer #15	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	Rosewater	Sugar Creek Power Plant	Sugar Creek Power Plant_5 Percent H2
0%	0%	0%	0%	0%	0%	0%	73%	2%	2%	42%	57%	35%	70%	0%
0%	10%	0%	0%	0%	0%	9%	0%	0%	0%	55%	61%	35%	64%	0%
-1%	24%	10%	-1%	26%	17%	25%	0%	0%	0%	60%	64%	35%	67%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	1%	0%	0%	35%	64%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	1%	0%	0%	35%	60%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	54%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%

Sugar Creek Power Plant_95 Percent Gas	Sugar Creek Power Plant_Duct Firing	Sugar Creek Power Plant_Uprated	Sugar Creek Power Plant_Uprated_with H2	DER_Paired_S+B_Ref_HighAvo	Generic 4-Hour Storage_Ref_2032	Generic 4-Hour Storage_Ref_2034	Generic 4-Hour Storage_Ref_2036	Generic 4-Hour Storage_Ref_2037	Generic Solar_Ref_2030	Generic Solar_Ref_2032	Generic Solar_Ref_2033	Generic Solar_Ref_2034	Generic Solar_Ref_2035	Generic Solar_Ref_2039
0%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	3%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	3%	53%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	39%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	4%	44%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	4%	44%	0%	6%	0%	0%	0%	0%	26%	0%	0%	0%	0%	0%
0%	5%	50%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	5%	50%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	4%	48%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	4%	51%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	7%	59%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	26%	0%
0%	5%	48%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	25%	0%
0%	8%	66%	0%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	0%
0%	11%	67%	0%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	0%
0%	13%	70%	0%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	26%
0%	12%	70%	0%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	25%

Generic Solar_Ref_2040	Gas CC A1	Gas Peaking A1	Storage A2
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
26%	0%	0%	0%

Resource Capacity Factor Summary

Portfolio	Replacements C
Scenario	Reference

Capacity Factor

	Indiana Crossroads Wind I	Michigan City #12	NIPSCO Customer-Owned BTM Storage	NIPSCO Customer-Owned Distributed Generation	Norway #1-#4 NIPS	Oakdale #1+2+3	Cavalry S+S (Solar Only)
2021	43%	68%	0%	19%	65%	52%	0%
2022	37%	67%	0%	19%	65%	52%	0%
2023	37%	73%	0%	19%	65%	52%	11%
2024	38%	79%	0%	19%	65%	52%	25%
2025	37%	71%	0%	19%	65%	52%	25%
2026	37%	68%	0%	20%	65%	52%	25%
2027	37%	0%	0%	19%	65%	52%	25%
2028	38%	0%	0%	19%	65%	52%	25%
2029	37%	0%	0%	19%	65%	52%	25%
2030	37%	0%	-3%	19%	65%	52%	25%
2031	37%	0%	-3%	19%	65%	52%	25%
2032	38%	0%	-3%	19%	65%	52%	25%
2033	37%	0%	-3%	19%	65%	52%	25%
2034	37%	0%	-3%	19%	65%	52%	25%
2035	37%	0%	-3%	19%	65%	52%	25%
2036	38%	0%	-3%	19%	65%	52%	25%
2037	37%	0%	-3%	20%	65%	52%	25%
2038	37%	0%	-3%	19%	65%	52%	25%
2039	37%	0%	-3%	19%	65%	52%	25%
2040	38%	0%	-3%	19%	65%	52%	25%

Cavalry S+S (Storage Only)	Dunns Bridge 1 Solar	Dunns Bridge 2 S+S (Solar Only)	Dunns Bridge 2 S+S (Storage Only)	Elliot Solar	Fairbanks Solar	INCR Solar	RM Schahfer #15	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	Rosewater	Sugar Creek Power Plant	Sugar Creek Power Plant_5 Percent H2
0%	0%	0%	0%	0%	0%	0%	73%	2%	2%	42%	56%	35%	70%	0%
0%	10%	0%	0%	0%	0%	9%	0%	0%	0%	57%	62%	35%	65%	0%
-2%	24%	10%	-2%	26%	17%	25%	0%	0%	0%	61%	66%	35%	68%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	1%	0%	0%	35%	66%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	1%	0%	0%	35%	65%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	66%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%

Sugar Creek Power Plant_95 Percent Gas	Sugar Creek Power Plant_Duct Firing	Sugar Creek Power Plant_Uprated	Sugar Creek Power Plant_Uprated_with H2	DER_Paired_S+B_Ref_HighAvo	Generic 4-Hour Storage_Ref_2032	Generic 4-Hour Storage_Ref_2034	Generic 4-Hour Storage_Ref_2036	Generic 4-Hour Storage_Ref_2037	Generic Solar_Ref_2030	Generic Solar_Ref_2032	Generic Solar_Ref_2033	Generic Solar_Ref_2034	Generic Solar_Ref_2035	Generic Solar_Ref_2039
0%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	4%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	3%	69%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	2%	56%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	5%	67%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	5%	63%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	4%	62%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	3%	62%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	4%	61%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	4%	61%	0%	6%	0%	0%	0%	0%	0%	0%	0%	26%	0%	0%
0%	5%	60%	0%	6%	0%	0%	0%	0%	0%	0%	0%	25%	0%	0%
0%	4%	51%	0%	6%	0%	0%	-3%	0%	0%	0%	0%	25%	0%	0%
0%	5%	62%	0%	6%	0%	0%	-3%	0%	0%	0%	0%	25%	0%	0%
0%	6%	64%	0%	6%	0%	0%	-3%	0%	0%	0%	0%	25%	0%	0%
0%	7%	68%	0%	6%	0%	0%	-3%	0%	0%	0%	0%	25%	0%	26%
0%	7%	68%	0%	6%	0%	0%	-3%	0%	0%	0%	0%	25%	0%	25%

Generic Solar_Ref_2040	Gas CC A1	Gas Peaking A1	Storage A2
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	74%	0%	0%
0%	69%	0%	0%
0%	68%	0%	0%
0%	68%	0%	0%
0%	66%	0%	0%
0%	64%	0%	0%
0%	63%	0%	0%
0%	63%	0%	0%
0%	64%	0%	0%
0%	63%	0%	0%
0%	63%	0%	0%
0%	64%	0%	0%
0%	68%	0%	0%
0%	69%	0%	0%
26%	69%	0%	0%

Portfolio	Replacements C
Scenario	Aggressive Environmental Regulation

Capacity Factor

	Indiana Crossroads Wind I	Michigan City #12	NIPSCO Customer-Owned BTM Storage	NIPSCO Customer-Owned Distributed Generation	Norway #1-#4 NIPS	Oakdale #1+2+3	Cavalry S+S (Solar Only)
2021	43%	68%	0%	19%	65%	52%	0%
2022	37%	70%	0%	19%	65%	52%	0%
2023	37%	74%	0%	19%	65%	52%	11%
2024	38%	74%	-2%	19%	65%	52%	25%
2025	37%	65%	-2%	19%	65%	52%	25%
2026	37%	74%	-2%	20%	65%	52%	25%
2027	37%	0%	-3%	19%	65%	52%	25%
2028	38%	0%	-3%	19%	65%	52%	25%
2029	37%	0%	-3%	19%	65%	52%	25%
2030	37%	0%	-3%	19%	65%	52%	24%
2031	37%	0%	-3%	19%	65%	52%	24%
2032	38%	0%	-3%	19%	65%	52%	24%
2033	37%	0%	-3%	19%	65%	52%	24%
2034	37%	0%	-3%	19%	65%	52%	23%
2035	37%	0%	-3%	19%	65%	52%	23%
2036	38%	0%	-3%	19%	65%	52%	23%
2037	37%	0%	-3%	20%	65%	52%	23%
2038	37%	0%	-3%	19%	65%	52%	22%
2039	37%	0%	-3%	19%	65%	52%	23%
2040	38%	0%	-3%	19%	65%	52%	23%

Cavalry S+S (Storage Only)	Dunns Bridge 1 Solar	Dunns Bridge 2 S+S (Solar Only)	Dunns Bridge 2 S+S (Storage Only)	Elliot Solar	Fairbanks Solar	INCR Solar	RM Schahfer #15	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	Rosewater	Sugar Creek Power Plant	Sugar Creek Power Plant_5 Percent H2
0%	0%	0%	0%	0%	0%	0%	73%	2%	2%	41%	57%	35%	70%	0%
0%	10%	0%	0%	0%	0%	9%	0%	0%	0%	63%	65%	35%	54%	0%
-2%	24%	10%	-2%	26%	17%	25%	0%	0%	0%	62%	67%	35%	51%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	55%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	43%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	37%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	24%	26%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	24%	26%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	24%	26%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	23%	24%	-2%	23%	25%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	23%	24%	-2%	23%	25%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	23%	23%	-2%	23%	24%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	23%	23%	-2%	22%	24%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	22%	22%	-2%	22%	23%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	22%	22%	-2%	22%	23%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	21%	22%	-2%	21%	23%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	21%	22%	-2%	21%	23%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	22%	23%	-2%	22%	23%	25%	0%	0%	0%	0%	0%	35%	0%	0%

Sugar Creek Power Plant_95 Percent Gas	Sugar Creek Power Plant_Duct Firing	Sugar Creek Power Plant_Uprated	Sugar Creek Power Plant_Uprated_with H2	DER_Paired_S+B_Ref_HighAvo	Generic 4-Hour Storage_Ref_2032	Generic 4-Hour Storage_Ref_2034	Generic 4-Hour Storage_Ref_2036	Generic 4-Hour Storage_Ref_2037	Generic Solar_Ref_2030	Generic Solar_Ref_2032	Generic Solar_Ref_2033	Generic Solar_Ref_2034	Generic Solar_Ref_2035	Generic Solar_Ref_2039
0%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	40%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	0%	32%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	37%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	36%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	2%	42%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	2%	48%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	2%	50%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	47%	0%	6%	0%	0%	0%	0%	0%	0%	0%	26%	0%	0%
0%	1%	42%	0%	6%	0%	0%	0%	0%	0%	0%	0%	25%	0%	0%
0%	1%	32%	0%	6%	0%	0%	-3%	0%	0%	0%	0%	25%	0%	0%
0%	1%	39%	0%	6%	0%	0%	-3%	0%	0%	0%	0%	25%	0%	0%
0%	1%	36%	0%	6%	0%	0%	-3%	0%	0%	0%	0%	25%	0%	0%
0%	1%	36%	0%	6%	0%	0%	-3%	0%	0%	0%	0%	25%	0%	26%
0%	0%	34%	0%	6%	0%	0%	-3%	0%	0%	0%	0%	25%	0%	25%

Generic Solar_Ref_2040	Gas CC A1	Gas Peaking A1	Storage A2
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	49%	0%	0%
0%	44%	0%	0%
0%	42%	0%	0%
0%	40%	0%	0%
0%	40%	0%	0%
0%	45%	0%	0%
0%	51%	0%	0%
0%	53%	0%	0%
0%	53%	0%	0%
0%	46%	0%	0%
0%	43%	0%	0%
0%	42%	0%	0%
0%	42%	0%	0%
0%	40%	0%	0%
26%	38%	0%	0%

Portfolio	Replacements C
Scenario	Status Quo Extended

Capacity Factor

	Indiana Crossroads Wind I	Michigan City #12	NIPSCO Customer-Owned BTM Storage	NIPSCO Customer-Owned Distributed Generation	Norway #1-#4 NIPS	Oakdale #1+2+3	Cavalry S+S (Solar Only)
2021	43%	68%	0%	19%	65%	52%	0%
2022	37%	64%	0%	19%	65%	52%	0%
2023	37%	69%	0%	19%	65%	52%	11%
2024	38%	75%	0%	19%	65%	52%	25%
2025	37%	64%	0%	19%	65%	52%	25%
2026	37%	70%	0%	20%	65%	52%	25%
2027	37%	0%	0%	19%	65%	52%	25%
2028	38%	0%	0%	19%	65%	52%	25%
2029	37%	0%	0%	19%	65%	52%	25%
2030	37%	0%	0%	19%	65%	52%	25%
2031	37%	0%	0%	19%	65%	52%	25%
2032	38%	0%	0%	19%	65%	52%	25%
2033	37%	0%	0%	19%	65%	52%	25%
2034	37%	0%	0%	19%	65%	52%	25%
2035	37%	0%	0%	19%	65%	52%	25%
2036	38%	0%	0%	19%	65%	52%	25%
2037	37%	0%	0%	20%	65%	52%	25%
2038	37%	0%	0%	19%	65%	52%	25%
2039	37%	0%	0%	19%	65%	52%	25%
2040	38%	0%	0%	19%	65%	52%	25%

Cavalry S+S (Storage Only)	Dunns Bridge 1 Solar	Dunns Bridge 2 S+S (Solar Only)	Dunns Bridge 2 S+S (Storage Only)	Elliot Solar	Fairbanks Solar	INCR Solar	RM Schahfer #15	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	Rosewater	Sugar Creek Power Plant	Sugar Creek Power Plant_5 Percent H2
0%	0%	0%	0%	0%	0%	0%	73%	2%	2%	41%	56%	35%	70%	0%
0%	10%	0%	0%	0%	0%	9%	0%	0%	0%	54%	59%	35%	69%	0%
-1%	24%	10%	-1%	26%	17%	25%	0%	0%	0%	55%	60%	35%	86%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	3%	0%	0%	35%	87%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	3%	0%	0%	35%	87%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	2%	0%	0%	35%	82%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	1%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	1%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%

Sugar Creek Power Plant_95 Percent Gas	Sugar Creek Power Plant_Duct Firing	Sugar Creek Power Plant_Uprated	Sugar Creek Power Plant_Uprated_with H2	DER_Paired_S+B_Ref_HighAvo	Generic 4-Hour Storage_Ref_2032	Generic 4-Hour Storage_Ref_2034	Generic 4-Hour Storage_Ref_2036	Generic 4-Hour Storage_Ref_2037	Generic Solar_Ref_2030	Generic Solar_Ref_2032	Generic Solar_Ref_2033	Generic Solar_Ref_2034	Generic Solar_Ref_2035	Generic Solar_Ref_2039
0%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	21%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	19%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	16%	86%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	12%	70%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	17%	84%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	16%	79%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	15%	81%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	15%	80%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	15%	79%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	15%	76%	0%	6%	0%	0%	0%	0%	0%	0%	0%	26%	0%	0%
0%	15%	78%	0%	6%	0%	0%	0%	0%	0%	0%	0%	25%	0%	0%
0%	11%	64%	0%	6%	0%	0%	-3%	0%	0%	0%	0%	25%	0%	0%
0%	14%	77%	0%	6%	0%	0%	-3%	0%	0%	0%	0%	25%	0%	0%
0%	13%	73%	0%	6%	0%	0%	-3%	0%	0%	0%	0%	25%	0%	0%
0%	16%	77%	0%	6%	0%	0%	-3%	0%	0%	0%	0%	25%	0%	26%
0%	16%	78%	0%	6%	0%	0%	-3%	0%	0%	0%	0%	25%	0%	25%

Generic Solar_Ref_2040	Gas CC A1	Gas Peaking A1	Storage A2
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	88%	0%	0%
0%	83%	0%	0%
0%	83%	0%	0%
0%	82%	0%	0%
0%	81%	0%	0%
0%	78%	0%	0%
0%	78%	0%	0%
0%	77%	0%	0%
0%	77%	0%	0%
0%	75%	0%	0%
0%	73%	0%	0%
0%	74%	0%	0%
0%	73%	0%	0%
0%	75%	0%	0%
26%	76%	0%	0%

Portfolio	Replacements C
Scenario	Economy-Wide Decarbonization

Capacity Factor

	Indiana Crossroads Wind I	Michigan City #12	NIPSCO Customer-Owned BTM Storage	NIPSCO Customer-Owned Distributed Generation	Norway #1-#4 NIPS	Oakdale #1+2+3	Cavalry S+S (Solar Only)
2021	43%	68%	0%	19%	65%	52%	0%
2022	37%	65%	0%	19%	65%	52%	0%
2023	37%	72%	0%	19%	65%	52%	11%
2024	38%	78%	-1%	19%	65%	52%	25%
2025	37%	70%	-1%	19%	65%	52%	25%
2026	37%	77%	0%	20%	65%	52%	25%
2027	37%	0%	0%	19%	65%	52%	25%
2028	38%	0%	0%	19%	65%	52%	25%
2029	37%	0%	0%	19%	65%	52%	25%
2030	37%	0%	0%	19%	65%	52%	25%
2031	37%	0%	0%	19%	65%	52%	25%
2032	38%	0%	0%	19%	65%	52%	25%
2033	37%	0%	0%	19%	65%	52%	25%
2034	37%	0%	0%	19%	65%	52%	25%
2035	37%	0%	0%	19%	65%	52%	25%
2036	38%	0%	0%	19%	65%	52%	25%
2037	37%	0%	0%	20%	65%	52%	25%
2038	37%	0%	0%	19%	65%	52%	25%
2039	37%	0%	0%	19%	65%	52%	25%
2040	38%	0%	0%	19%	65%	52%	25%

Cavalry S+S (Storage Only)	Dunns Bridge 1 Solar	Dunns Bridge 2 S+S (Solar Only)	Dunns Bridge 2 S+S (Storage Only)	Elliot Solar	Fairbanks Solar	INCR Solar	RM Schahfer #15	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	Rosewater	Sugar Creek Power Plant	Sugar Creek Power Plant_5 Percent H2
0%	0%	0%	0%	0%	0%	0%	73%	2%	2%	42%	57%	35%	70%	0%
0%	10%	0%	0%	0%	0%	9%	0%	0%	0%	55%	61%	35%	64%	0%
-1%	24%	10%	-1%	26%	17%	25%	0%	0%	0%	60%	64%	35%	67%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	1%	0%	0%	35%	64%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	1%	0%	0%	35%	60%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	54%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%

Sugar Creek Power Plant_95 Percent Gas	Sugar Creek Power Plant_Duct Firing	Sugar Creek Power Plant_Uprated	Sugar Creek Power Plant_Uprated_with H2	DER_Paired_S+B_Ref_HighAvo	Generic 4-Hour Storage_Ref_2032	Generic 4-Hour Storage_Ref_2034	Generic 4-Hour Storage_Ref_2036	Generic 4-Hour Storage_Ref_2037	Generic Solar_Ref_2030	Generic Solar_Ref_2032	Generic Solar_Ref_2033	Generic Solar_Ref_2034	Generic Solar_Ref_2035	Generic Solar_Ref_2039
0%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	3%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	3%	53%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	39%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	4%	44%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	4%	44%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	5%	50%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	5%	50%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	4%	48%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	4%	51%	0%	6%	0%	0%	0%	0%	0%	0%	0%	26%	0%	0%
0%	7%	59%	0%	6%	0%	0%	0%	0%	0%	0%	0%	25%	0%	0%
0%	5%	48%	0%	6%	0%	0%	-3%	0%	0%	0%	0%	25%	0%	0%
0%	8%	66%	0%	6%	0%	0%	-3%	0%	0%	0%	0%	25%	0%	0%
0%	11%	67%	0%	6%	0%	0%	-3%	0%	0%	0%	0%	25%	0%	0%
0%	13%	70%	0%	6%	0%	0%	-3%	0%	0%	0%	0%	25%	0%	26%
0%	12%	70%	0%	6%	0%	0%	-3%	0%	0%	0%	0%	25%	0%	25%

Generic Solar_Ref_2040	Gas CC A1	Gas Peaking A1	Storage A2
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	62%	0%	0%
0%	53%	0%	0%
0%	47%	0%	0%
0%	44%	0%	0%
0%	46%	0%	0%
0%	51%	0%	0%
0%	50%	0%	0%
0%	49%	0%	0%
0%	54%	0%	0%
0%	58%	0%	0%
0%	59%	0%	0%
0%	66%	0%	0%
0%	69%	0%	0%
0%	69%	0%	0%
26%	69%	0%	0%

Resource Capacity Factor Summary

Portfolio	Replacements D
Scenario	Reference

Capacity Factor

	Indiana Crossroads Wind I	Michigan City #12	NIPSCO Customer-Owned BTM Storage	NIPSCO Customer-Owned Distributed Generation	Norway #1-#4 NIPS	Oakdale #1+2+3	Cavalry S+S (Solar Only)
2021	43%	68%	0%	19%	65%	52%	0%
2022	37%	67%	0%	19%	65%	52%	0%
2023	37%	73%	0%	19%	65%	52%	11%
2024	38%	79%	0%	19%	65%	52%	25%
2025	37%	71%	0%	19%	65%	52%	25%
2026	37%	68%	0%	20%	65%	52%	25%
2027	37%	0%	0%	19%	65%	52%	25%
2028	38%	0%	0%	19%	65%	52%	25%
2029	37%	0%	0%	19%	65%	52%	25%
2030	37%	0%	-3%	19%	65%	52%	25%
2031	37%	0%	-3%	19%	65%	52%	25%
2032	38%	0%	-3%	19%	65%	52%	25%
2033	37%	0%	-3%	19%	65%	52%	25%
2034	37%	0%	-3%	19%	65%	52%	25%
2035	37%	0%	-3%	19%	65%	52%	25%
2036	38%	0%	-3%	19%	65%	52%	25%
2037	37%	0%	-3%	20%	65%	52%	25%
2038	37%	0%	-3%	19%	65%	52%	25%
2039	37%	0%	-3%	19%	65%	52%	25%
2040	38%	0%	-3%	19%	65%	52%	25%

Cavalry S+S (Storage Only)	Dunns Bridge 1 Solar	Dunns Bridge 2 S+S (Solar Only)	Dunns Bridge 2 S+S (Storage Only)	Elliot Solar	Fairbanks Solar	INCR Solar	RM Schahfer #15	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	Rosewater	Sugar Creek Power Plant	Sugar Creek Power Plant_5 Percent H2
0%	0%	0%	0%	0%	0%	0%	73%	2%	2%	42%	56%	35%	70%	0%
0%	10%	0%	0%	0%	0%	9%	0%	0%	0%	57%	62%	35%	65%	0%
-2%	24%	10%	-2%	26%	17%	25%	0%	0%	0%	61%	66%	35%	68%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	1%	0%	0%	35%	66%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	1%	0%	0%	35%	65%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	66%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%

Sugar Creek Power Plant_95 Percent Gas	Sugar Creek Power Plant_Duct Firing	Sugar Creek Power Plant_Uprated	Sugar Creek Power Plant_Uprated_with H2	DER_Paired_S+B_Ref_HighAvo	Generic 4-Hour Storage_Ref_2032	Generic 4-Hour Storage_Ref_2034	Generic 4-Hour Storage_Ref_2036	Generic 4-Hour Storage_Ref_2037	Generic Solar_Ref_2030	Generic Solar_Ref_2032	Generic Solar_Ref_2033	Generic Solar_Ref_2034	Generic Solar_Ref_2035	Generic Solar_Ref_2039
0%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	4%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	3%	69%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	2%	56%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	5%	67%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	5%	63%	0%	6%	0%	0%	0%	0%	26%	0%	0%	0%	0%	0%
0%	4%	62%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	3%	62%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	4%	61%	0%	6%	0%	0%	0%	0%	25%	0%	26%	0%	0%	0%
0%	4%	61%	0%	6%	0%	-3%	0%	0%	25%	0%	25%	0%	0%	0%
0%	5%	60%	0%	6%	0%	-3%	0%	0%	25%	0%	25%	0%	26%	0%
0%	4%	51%	0%	6%	0%	-3%	0%	0%	25%	0%	25%	0%	25%	0%
0%	5%	62%	0%	6%	0%	-3%	0%	0%	25%	0%	25%	0%	25%	0%
0%	6%	64%	0%	6%	0%	-3%	0%	0%	25%	0%	25%	0%	25%	0%
0%	7%	68%	0%	6%	0%	-3%	0%	0%	25%	0%	25%	0%	25%	26%
0%	7%	68%	0%	6%	0%	-3%	0%	0%	25%	0%	25%	0%	25%	25%

Generic Solar_Ref_2040	Gas CC A1	Gas Peaking A1	Storage A2
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
26%	0%	0%	-3%

Portfolio	Replacements D
Scenario	Aggressive Environmental Regulation

Capacity Factor

	Indiana Crossroads Wind I	Michigan City #12	NIPSCO Customer-Owned BTM Storage	NIPSCO Customer-Owned Distributed Generation	Norway #1-#4 NIPS	Oakdale #1+2+3	Cavalry S+S (Solar Only)
2021	43%	68%	0%	19%	65%	52%	0%
2022	37%	70%	0%	19%	65%	52%	0%
2023	37%	74%	0%	19%	65%	52%	11%
2024	38%	74%	-2%	19%	65%	52%	25%
2025	37%	65%	-2%	19%	65%	52%	25%
2026	37%	74%	-2%	20%	65%	52%	25%
2027	37%	0%	-3%	19%	65%	52%	25%
2028	38%	0%	-3%	19%	65%	52%	25%
2029	37%	0%	-3%	19%	65%	52%	25%
2030	37%	0%	-3%	19%	65%	52%	24%
2031	37%	0%	-3%	19%	65%	52%	24%
2032	38%	0%	-3%	19%	65%	52%	24%
2033	37%	0%	-3%	19%	65%	52%	24%
2034	37%	0%	-3%	19%	65%	52%	23%
2035	37%	0%	-3%	19%	65%	52%	23%
2036	38%	0%	-3%	19%	65%	52%	23%
2037	37%	0%	-3%	20%	65%	52%	23%
2038	37%	0%	-3%	19%	65%	52%	22%
2039	37%	0%	-3%	19%	65%	52%	23%
2040	38%	0%	-3%	19%	65%	52%	23%

Cavalry S+S (Storage Only)	Dunns Bridge 1 Solar	Dunns Bridge 2 S+S (Solar Only)	Dunns Bridge 2 S+S (Storage Only)	Elliot Solar	Fairbanks Solar	INCR Solar	RM Schahfer #15	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	Rosewater	Sugar Creek Power Plant	Sugar Creek Power Plant_5 Percent H2
0%	0%	0%	0%	0%	0%	0%	73%	2%	2%	41%	57%	35%	70%	0%
0%	10%	0%	0%	0%	0%	9%	0%	0%	0%	63%	65%	35%	54%	0%
-2%	24%	10%	-2%	26%	17%	25%	0%	0%	0%	62%	67%	35%	51%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	55%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	43%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	37%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	24%	26%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	24%	26%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	24%	26%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	23%	24%	-2%	23%	25%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	23%	24%	-2%	23%	25%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	23%	23%	-2%	23%	24%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	23%	23%	-2%	22%	24%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	22%	22%	-2%	22%	23%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	22%	22%	-2%	22%	23%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	21%	22%	-2%	21%	23%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	21%	22%	-2%	21%	23%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	22%	23%	-2%	22%	23%	25%	0%	0%	0%	0%	0%	35%	0%	0%

Sugar Creek Power Plant_95 Percent Gas	Sugar Creek Power Plant_Duct Firing	Sugar Creek Power Plant_Uprated	Sugar Creek Power Plant_Uprated_with H2	DER_Paired_S+B_Ref_HighAvo	Generic 4-Hour Storage_Ref_2032	Generic 4-Hour Storage_Ref_2034	Generic 4-Hour Storage_Ref_2036	Generic 4-Hour Storage_Ref_2037	Generic Solar_Ref_2030	Generic Solar_Ref_2032	Generic Solar_Ref_2033	Generic Solar_Ref_2034	Generic Solar_Ref_2035	Generic Solar_Ref_2039
0%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	40%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	0%	32%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	37%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	36%	0%	6%	0%	0%	0%	0%	26%	0%	0%	0%	0%	0%
0%	2%	42%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	2%	48%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	2%	50%	0%	6%	0%	0%	0%	0%	25%	0%	26%	0%	0%	0%
0%	1%	47%	0%	6%	0%	-3%	0%	0%	25%	0%	25%	0%	0%	0%
0%	1%	42%	0%	6%	0%	-3%	0%	0%	25%	0%	25%	0%	26%	0%
0%	1%	32%	0%	6%	0%	-3%	0%	0%	25%	0%	25%	0%	25%	0%
0%	1%	39%	0%	6%	0%	-3%	0%	0%	25%	0%	25%	0%	25%	0%
0%	1%	36%	0%	6%	0%	-3%	0%	0%	25%	0%	25%	0%	25%	0%
0%	1%	36%	0%	6%	0%	-3%	0%	0%	25%	0%	25%	0%	25%	26%
0%	0%	34%	0%	6%	0%	-3%	0%	0%	25%	0%	25%	0%	25%	25%

Generic Solar_Ref_2040	Gas CC A1	Gas Peaking A1	Storage A2
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
26%	0%	0%	-3%

Portfolio	Replacements D
Scenario	Status Quo Extended

Capacity Factor

	Indiana Crossroads Wind I	Michigan City #12	NIPSCO Customer-Owned BTM Storage	NIPSCO Customer-Owned Distributed Generation	Norway #1-#4 NIPS	Oakdale #1+2+3	Cavalry S+S (Solar Only)
2021	43%	68%	0%	19%	65%	52%	0%
2022	37%	64%	0%	19%	65%	52%	0%
2023	37%	69%	0%	19%	65%	52%	11%
2024	38%	75%	0%	19%	65%	52%	25%
2025	37%	64%	0%	19%	65%	52%	25%
2026	37%	70%	0%	20%	65%	52%	25%
2027	37%	0%	0%	19%	65%	52%	25%
2028	38%	0%	0%	19%	65%	52%	25%
2029	37%	0%	0%	19%	65%	52%	25%
2030	37%	0%	0%	19%	65%	52%	25%
2031	37%	0%	0%	19%	65%	52%	25%
2032	38%	0%	0%	19%	65%	52%	25%
2033	37%	0%	0%	19%	65%	52%	25%
2034	37%	0%	0%	19%	65%	52%	25%
2035	37%	0%	0%	19%	65%	52%	25%
2036	38%	0%	0%	19%	65%	52%	25%
2037	37%	0%	0%	20%	65%	52%	25%
2038	37%	0%	0%	19%	65%	52%	25%
2039	37%	0%	0%	19%	65%	52%	25%
2040	38%	0%	0%	19%	65%	52%	25%

Cavalry S+S (Storage Only)	Dunns Bridge 1 Solar	Dunns Bridge 2 S+S (Solar Only)	Dunns Bridge 2 S+S (Storage Only)	Elliot Solar	Fairbanks Solar	INCR Solar	RM Schahfer #15	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	Rosewater	Sugar Creek Power Plant	Sugar Creek Power Plant_5 Percent H2
0%	0%	0%	0%	0%	0%	0%	73%	2%	2%	41%	56%	35%	70%	0%
0%	10%	0%	0%	0%	0%	9%	0%	0%	0%	54%	59%	35%	69%	0%
-1%	24%	10%	-1%	26%	17%	25%	0%	0%	0%	55%	60%	35%	86%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	3%	0%	0%	35%	87%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	3%	0%	0%	35%	87%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	2%	0%	0%	35%	82%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	1%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	1%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%

Sugar Creek Power Plant_95 Percent Gas	Sugar Creek Power Plant_Duct Firing	Sugar Creek Power Plant_Uprated	Sugar Creek Power Plant_Uprated_with H2	DER_Paired_S+B_Ref_HighAvo	Generic 4-Hour Storage_Ref_2032	Generic 4-Hour Storage_Ref_2034	Generic 4-Hour Storage_Ref_2036	Generic 4-Hour Storage_Ref_2037	Generic Solar_Ref_2030	Generic Solar_Ref_2032	Generic Solar_Ref_2033	Generic Solar_Ref_2034	Generic Solar_Ref_2035	Generic Solar_Ref_2039
0%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	21%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	19%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	16%	86%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	12%	70%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	17%	84%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	16%	79%	0%	6%	0%	0%	0%	0%	26%	0%	0%	0%	0%	0%
0%	15%	81%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	15%	80%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	15%	79%	0%	6%	0%	0%	0%	0%	25%	0%	26%	0%	0%	0%
0%	15%	76%	0%	6%	0%	-3%	0%	0%	25%	0%	25%	0%	0%	0%
0%	15%	78%	0%	6%	0%	-3%	0%	0%	25%	0%	25%	0%	26%	0%
0%	11%	64%	0%	6%	0%	-3%	0%	0%	25%	0%	25%	0%	25%	0%
0%	14%	77%	0%	6%	0%	-3%	0%	0%	25%	0%	25%	0%	25%	0%
0%	13%	73%	0%	6%	0%	-3%	0%	0%	25%	0%	25%	0%	25%	0%
0%	16%	77%	0%	6%	0%	-3%	0%	0%	25%	0%	25%	0%	25%	26%
0%	16%	78%	0%	6%	0%	-3%	0%	0%	25%	0%	25%	0%	25%	25%

Generic Solar_Ref_2040	Gas CC A1	Gas Peaking A1	Storage A2
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
26%	0%	0%	-3%

Portfolio	Replacements D
Scenario	Economy-Wide Decarbonization

Capacity Factor

	Indiana Crossroads Wind I	Michigan City #12	NIPSCO Customer-Owned BTM Storage	NIPSCO Customer-Owned Distributed Generation	Norway #1-#4 NIPS	Oakdale #1+2+3	Cavalry S+S (Solar Only)
2021	43%	68%	0%	19%	65%	52%	0%
2022	37%	65%	0%	19%	65%	52%	0%
2023	37%	72%	0%	19%	65%	52%	11%
2024	38%	78%	-1%	19%	65%	52%	25%
2025	37%	70%	-1%	19%	65%	52%	25%
2026	37%	77%	0%	20%	65%	52%	25%
2027	37%	0%	0%	19%	65%	52%	25%
2028	38%	0%	0%	19%	65%	52%	25%
2029	37%	0%	0%	19%	65%	52%	25%
2030	37%	0%	0%	19%	65%	52%	25%
2031	37%	0%	0%	19%	65%	52%	25%
2032	38%	0%	0%	19%	65%	52%	25%
2033	37%	0%	0%	19%	65%	52%	25%
2034	37%	0%	0%	19%	65%	52%	25%
2035	37%	0%	0%	19%	65%	52%	25%
2036	38%	0%	0%	19%	65%	52%	25%
2037	37%	0%	0%	20%	65%	52%	25%
2038	37%	0%	0%	19%	65%	52%	25%
2039	37%	0%	0%	19%	65%	52%	25%
2040	38%	0%	0%	19%	65%	52%	25%

Cavalry S+S (Storage Only)	Dunns Bridge 1 Solar	Dunns Bridge 2 S+S (Solar Only)	Dunns Bridge 2 S+S (Storage Only)	Elliot Solar	Fairbanks Solar	INCR Solar	RM Schahfer #15	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	Rosewater	Sugar Creek Power Plant	Sugar Creek Power Plant_5 Percent H2
0%	0%	0%	0%	0%	0%	0%	73%	2%	2%	42%	57%	35%	70%	0%
0%	10%	0%	0%	0%	0%	9%	0%	0%	0%	55%	61%	35%	64%	0%
-1%	24%	10%	-1%	26%	17%	25%	0%	0%	0%	60%	64%	35%	67%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	1%	0%	0%	35%	64%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	1%	0%	0%	35%	60%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	54%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%

Sugar Creek Power Plant_95 Percent Gas	Sugar Creek Power Plant_Duct Firing	Sugar Creek Power Plant_Uprated	Sugar Creek Power Plant_Uprated_with H2	DER_Paired_S+B_Ref_HighAvo	Generic 4-Hour Storage_Ref_2032	Generic 4-Hour Storage_Ref_2034	Generic 4-Hour Storage_Ref_2036	Generic 4-Hour Storage_Ref_2037	Generic Solar_Ref_2030	Generic Solar_Ref_2032	Generic Solar_Ref_2033	Generic Solar_Ref_2034	Generic Solar_Ref_2035	Generic Solar_Ref_2039
0%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	3%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	3%	53%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	39%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	4%	44%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	4%	44%	0%	6%	0%	0%	0%	0%	26%	0%	0%	0%	0%	0%
0%	5%	50%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	5%	50%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	4%	48%	0%	6%	0%	0%	0%	0%	25%	0%	26%	0%	0%	0%
0%	4%	51%	0%	6%	0%	-3%	0%	0%	25%	0%	25%	0%	0%	0%
0%	7%	59%	0%	6%	0%	-3%	0%	0%	25%	0%	25%	0%	26%	0%
0%	5%	48%	0%	6%	0%	-3%	0%	0%	25%	0%	25%	0%	25%	0%
0%	8%	66%	0%	6%	0%	-3%	0%	0%	25%	0%	25%	0%	25%	0%
0%	11%	67%	0%	6%	0%	-3%	0%	0%	25%	0%	25%	0%	25%	0%
0%	13%	70%	0%	6%	0%	-3%	0%	0%	25%	0%	25%	0%	25%	26%
0%	12%	70%	0%	6%	0%	-3%	0%	0%	25%	0%	25%	0%	25%	25%

Generic Solar_Ref_2040	Gas CC A1	Gas Peaking A1	Storage A2
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
26%	0%	0%	-3%

Resource Capacity Factor Summary

Portfolio	Replacements E
Scenario	Reference

Capacity Factor

	Indiana Crossroads Wind I	Michigan City #12	NIPSCO Customer-Owned BTM Storage	NIPSCO Customer-Owned Distributed Generation	Norway #1-#4 NIPS	Oakdale #1+2+3	Cavalry S+S (Solar Only)
2021	43%	68%	0%	19%	65%	52%	0%
2022	37%	67%	0%	19%	65%	52%	0%
2023	37%	73%	0%	19%	65%	52%	11%
2024	38%	79%	0%	19%	65%	52%	25%
2025	37%	71%	0%	19%	65%	52%	25%
2026	37%	68%	0%	20%	65%	52%	25%
2027	37%	0%	0%	19%	65%	52%	25%
2028	38%	0%	0%	19%	65%	52%	25%
2029	37%	0%	0%	19%	65%	52%	25%
2030	37%	0%	-3%	19%	65%	52%	25%
2031	37%	0%	-3%	19%	65%	52%	25%
2032	38%	0%	-3%	19%	65%	52%	25%
2033	37%	0%	-3%	19%	65%	52%	25%
2034	37%	0%	-3%	19%	65%	52%	25%
2035	37%	0%	-3%	19%	65%	52%	25%
2036	38%	0%	-3%	19%	65%	52%	25%
2037	37%	0%	-3%	20%	65%	52%	25%
2038	37%	0%	-3%	19%	65%	52%	25%
2039	37%	0%	-3%	19%	65%	52%	25%
2040	38%	0%	-3%	19%	65%	52%	25%

Cavalry S+S (Storage Only)	Dunns Bridge 1 Solar	Dunns Bridge 2 S+S (Solar Only)	Dunns Bridge 2 S+S (Storage Only)	Elliot Solar	Fairbanks Solar	INCR Solar	RM Schahfer #15	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	Rosewater	Sugar Creek Power Plant	Sugar Creek Power Plant_5 Percent H2
0%	0%	0%	0%	0%	0%	0%	73%	2%	2%	42%	56%	35%	70%	0%
0%	10%	0%	0%	0%	0%	9%	0%	0%	0%	57%	62%	35%	65%	0%
-2%	24%	10%	-2%	26%	17%	25%	0%	0%	0%	61%	66%	35%	68%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	1%	0%	0%	35%	66%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	1%	0%	0%	35%	65%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	66%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%

Sugar Creek Power Plant_95 Percent Gas	Sugar Creek Power Plant_Duct Firing	Sugar Creek Power Plant_Uprated	Sugar Creek Power Plant_Uprated_with H2	DER_Paired_S+B_Ref_HighAvo	Generic 4-Hour Storage_Ref_2032	Generic 4-Hour Storage_Ref_2034	Generic 4-Hour Storage_Ref_2036	Generic 4-Hour Storage_Ref_2037	Generic Solar_Ref_2030	Generic Solar_Ref_2032	Generic Solar_Ref_2033	Generic Solar_Ref_2034	Generic Solar_Ref_2035	Generic Solar_Ref_2039
0%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	4%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	3%	69%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	2%	56%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	5%	67%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	5%	63%	0%	6%	0%	0%	0%	0%	26%	0%	0%	0%	0%	0%
0%	4%	62%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	3%	62%	0%	6%	-3%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	4%	61%	0%	6%	-3%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	4%	61%	0%	6%	-3%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	5%	60%	0%	6%	-3%	0%	0%	0%	25%	0%	0%	0%	26%	0%
0%	4%	51%	0%	6%	-3%	0%	-3%	0%	25%	0%	0%	0%	25%	0%
0%	5%	62%	0%	6%	-3%	0%	-3%	-3%	25%	0%	0%	0%	25%	0%
0%	6%	64%	0%	6%	-3%	0%	-3%	-3%	25%	0%	0%	0%	25%	0%
0%	7%	68%	0%	6%	-3%	0%	-3%	-3%	25%	0%	0%	0%	25%	26%
0%	7%	68%	0%	6%	-3%	0%	-3%	-3%	25%	0%	0%	0%	25%	25%

Generic Solar_Ref_2040	Gas CC A1	Gas Peaking A1	Storage A2
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-5%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-7%
0%	0%	0%	-7%
0%	0%	0%	-7%
0%	0%	0%	-7%
26%	0%	0%	-7%

Portfolio	Replacements E
Scenario	Aggressive Environmental Regulation

Capacity Factor

	Indiana Crossroads Wind I	Michigan City #12	NIPSCO Customer-Owned BTM Storage	NIPSCO Customer-Owned Distributed Generation	Norway #1-#4 NIPS	Oakdale #1+2+3	Cavalry S+S (Solar Only)
2021	43%	68%	0%	19%	65%	52%	0%
2022	37%	70%	0%	19%	65%	52%	0%
2023	37%	74%	0%	19%	65%	52%	11%
2024	38%	74%	-2%	19%	65%	52%	25%
2025	37%	65%	-2%	19%	65%	52%	25%
2026	37%	74%	-2%	20%	65%	52%	25%
2027	37%	0%	-3%	19%	65%	52%	25%
2028	38%	0%	-3%	19%	65%	52%	25%
2029	37%	0%	-3%	19%	65%	52%	25%
2030	37%	0%	-3%	19%	65%	52%	24%
2031	37%	0%	-3%	19%	65%	52%	24%
2032	38%	0%	-3%	19%	65%	52%	24%
2033	37%	0%	-3%	19%	65%	52%	24%
2034	37%	0%	-3%	19%	65%	52%	23%
2035	37%	0%	-3%	19%	65%	52%	23%
2036	38%	0%	-3%	19%	65%	52%	23%
2037	37%	0%	-3%	20%	65%	52%	23%
2038	37%	0%	-3%	19%	65%	52%	22%
2039	37%	0%	-3%	19%	65%	52%	23%
2040	38%	0%	-3%	19%	65%	52%	23%

Cavalry S+S (Storage Only)	Dunns Bridge 1 Solar	Dunns Bridge 2 S+S (Solar Only)	Dunns Bridge 2 S+S (Storage Only)	Elliot Solar	Fairbanks Solar	INCR Solar	RM Schahfer #15	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	Rosewater	Sugar Creek Power Plant	Sugar Creek Power Plant_5 Percent H2
0%	0%	0%	0%	0%	0%	0%	73%	2%	2%	41%	57%	35%	70%	0%
0%	10%	0%	0%	0%	0%	9%	0%	0%	0%	63%	65%	35%	54%	0%
-2%	24%	10%	-2%	26%	17%	25%	0%	0%	0%	62%	67%	35%	51%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	55%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	43%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	37%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	24%	26%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	24%	26%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	24%	26%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	23%	24%	-2%	23%	25%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	23%	24%	-2%	23%	25%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	23%	23%	-2%	23%	24%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	23%	23%	-2%	22%	24%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	22%	22%	-2%	22%	23%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	22%	22%	-2%	22%	23%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	21%	22%	-2%	21%	23%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	21%	22%	-2%	21%	23%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	22%	23%	-2%	22%	23%	25%	0%	0%	0%	0%	0%	35%	0%	0%

Sugar Creek Power Plant_95 Percent Gas	Sugar Creek Power Plant_Duct Firing	Sugar Creek Power Plant_Uprated	Sugar Creek Power Plant_Uprated_with H2	DER_Paired_S+B_Ref_HighAvo	Generic 4-Hour Storage_Ref_2032	Generic 4-Hour Storage_Ref_2034	Generic 4-Hour Storage_Ref_2036	Generic 4-Hour Storage_Ref_2037	Generic Solar_Ref_2030	Generic Solar_Ref_2032	Generic Solar_Ref_2033	Generic Solar_Ref_2034	Generic Solar_Ref_2035	Generic Solar_Ref_2039
0%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	40%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	0%	32%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	37%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	36%	0%	6%	0%	0%	0%	0%	26%	0%	0%	0%	0%	0%
0%	2%	42%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	2%	48%	0%	6%	-3%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	2%	50%	0%	6%	-3%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	1%	47%	0%	6%	-3%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	1%	42%	0%	6%	-3%	0%	0%	0%	25%	0%	0%	0%	26%	0%
0%	1%	32%	0%	6%	-3%	0%	-3%	0%	25%	0%	0%	0%	25%	0%
0%	1%	39%	0%	6%	-3%	0%	-3%	-3%	25%	0%	0%	0%	25%	0%
0%	1%	36%	0%	6%	-3%	0%	-3%	-3%	25%	0%	0%	0%	25%	0%
0%	1%	36%	0%	6%	-3%	0%	-3%	-3%	25%	0%	0%	0%	25%	26%
0%	0%	34%	0%	6%	-3%	0%	-3%	-3%	25%	0%	0%	0%	25%	25%

Generic Solar_Ref_2040	Gas CC A1	Gas Peaking A1	Storage A2
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	-2%
0%	0%	0%	-2%
0%	0%	0%	-5%
0%	0%	0%	-5%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
26%	0%	0%	-6%

Portfolio	Replacements E
Scenario	Status Quo Extended

Capacity Factor

	Indiana Crossroads Wind I	Michigan City #12	NIPSCO Customer-Owned BTM Storage	NIPSCO Customer-Owned Distributed Generation	Norway #1-#4 NIPS	Oakdale #1+2+3	Cavalry S+S (Solar Only)
2021	43%	68%	0%	19%	65%	52%	0%
2022	37%	64%	0%	19%	65%	52%	0%
2023	37%	69%	0%	19%	65%	52%	11%
2024	38%	75%	0%	19%	65%	52%	25%
2025	37%	64%	0%	19%	65%	52%	25%
2026	37%	70%	0%	20%	65%	52%	25%
2027	37%	0%	0%	19%	65%	52%	25%
2028	38%	0%	0%	19%	65%	52%	25%
2029	37%	0%	0%	19%	65%	52%	25%
2030	37%	0%	0%	19%	65%	52%	25%
2031	37%	0%	0%	19%	65%	52%	25%
2032	38%	0%	0%	19%	65%	52%	25%
2033	37%	0%	0%	19%	65%	52%	25%
2034	37%	0%	0%	19%	65%	52%	25%
2035	37%	0%	0%	19%	65%	52%	25%
2036	38%	0%	0%	19%	65%	52%	25%
2037	37%	0%	0%	20%	65%	52%	25%
2038	37%	0%	0%	19%	65%	52%	25%
2039	37%	0%	0%	19%	65%	52%	25%
2040	38%	0%	0%	19%	65%	52%	25%

Cavalry S+S (Storage Only)	Dunns Bridge 1 Solar	Dunns Bridge 2 S+S (Solar Only)	Dunns Bridge 2 S+S (Storage Only)	Elliot Solar	Fairbanks Solar	INCR Solar	RM Schahfer #15	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	Rosewater	Sugar Creek Power Plant	Sugar Creek Power Plant_5 Percent H2
0%	0%	0%	0%	0%	0%	0%	73%	2%	2%	41%	56%	35%	70%	0%
0%	10%	0%	0%	0%	0%	9%	0%	0%	0%	54%	59%	35%	69%	0%
-1%	24%	10%	-1%	26%	17%	25%	0%	0%	0%	55%	60%	35%	86%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	3%	0%	0%	35%	87%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	3%	0%	0%	35%	87%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	2%	0%	0%	35%	82%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	1%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	1%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%

Sugar Creek Power Plant_95 Percent Gas	Sugar Creek Power Plant_Duct Firing	Sugar Creek Power Plant_Uprated	Sugar Creek Power Plant_Uprated_with H2	DER_Paired_S+B_Ref_HighAvo	Generic 4-Hour Storage_Ref_2032	Generic 4-Hour Storage_Ref_2034	Generic 4-Hour Storage_Ref_2036	Generic 4-Hour Storage_Ref_2037	Generic Solar_Ref_2030	Generic Solar_Ref_2032	Generic Solar_Ref_2033	Generic Solar_Ref_2034	Generic Solar_Ref_2035	Generic Solar_Ref_2039
0%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	21%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	19%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	16%	86%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	12%	70%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	17%	84%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	16%	79%	0%	6%	0%	0%	0%	0%	26%	0%	0%	0%	0%	0%
0%	15%	81%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	15%	80%	0%	6%	-3%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	15%	79%	0%	6%	-3%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	15%	76%	0%	6%	-3%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	15%	78%	0%	6%	-3%	0%	0%	0%	25%	0%	0%	0%	26%	0%
0%	11%	64%	0%	6%	-3%	0%	-3%	0%	25%	0%	0%	0%	25%	0%
0%	14%	77%	0%	6%	-3%	0%	-3%	-3%	25%	0%	0%	0%	25%	0%
0%	13%	73%	0%	6%	-3%	0%	-3%	-3%	25%	0%	0%	0%	25%	0%
0%	16%	77%	0%	6%	-3%	0%	-3%	-3%	25%	0%	0%	0%	25%	26%
0%	16%	78%	0%	6%	-3%	0%	-3%	-3%	25%	0%	0%	0%	25%	25%

Generic Solar_Ref_2040	Gas CC A1	Gas Peaking A1	Storage A2
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-7%
0%	0%	0%	-7%
26%	0%	0%	-6%

Portfolio	Replacements E
Scenario	Economy-Wide Decarbonization

Capacity Factor

	Indiana Crossroads Wind I	Michigan City #12	NIPSCO Customer-Owned BTM Storage	NIPSCO Customer-Owned Distributed Generation	Norway #1-#4 NIPS	Oakdale #1+2+3	Cavalry S+S (Solar Only)
2021	43%	68%	0%	19%	65%	52%	0%
2022	37%	65%	0%	19%	65%	52%	0%
2023	37%	72%	0%	19%	65%	52%	11%
2024	38%	78%	-1%	19%	65%	52%	25%
2025	37%	70%	-1%	19%	65%	52%	25%
2026	37%	77%	0%	20%	65%	52%	25%
2027	37%	0%	0%	19%	65%	52%	25%
2028	38%	0%	0%	19%	65%	52%	25%
2029	37%	0%	0%	19%	65%	52%	25%
2030	37%	0%	0%	19%	65%	52%	25%
2031	37%	0%	0%	19%	65%	52%	25%
2032	38%	0%	0%	19%	65%	52%	25%
2033	37%	0%	0%	19%	65%	52%	25%
2034	37%	0%	0%	19%	65%	52%	25%
2035	37%	0%	0%	19%	65%	52%	25%
2036	38%	0%	0%	19%	65%	52%	25%
2037	37%	0%	0%	20%	65%	52%	25%
2038	37%	0%	0%	19%	65%	52%	25%
2039	37%	0%	0%	19%	65%	52%	25%
2040	38%	0%	0%	19%	65%	52%	25%

Cavalry S+S (Storage Only)	Dunns Bridge 1 Solar	Dunns Bridge 2 S+S (Solar Only)	Dunns Bridge 2 S+S (Storage Only)	Elliot Solar	Fairbanks Solar	INCR Solar	RM Schahfer #15	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	Rosewater	Sugar Creek Power Plant	Sugar Creek Power Plant_5 Percent H2
0%	0%	0%	0%	0%	0%	0%	73%	2%	2%	42%	57%	35%	70%	0%
0%	10%	0%	0%	0%	0%	9%	0%	0%	0%	55%	61%	35%	64%	0%
-1%	24%	10%	-1%	26%	17%	25%	0%	0%	0%	60%	64%	35%	67%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	1%	0%	0%	35%	64%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	1%	0%	0%	35%	60%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	54%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%

Sugar Creek Power Plant_95 Percent Gas	Sugar Creek Power Plant_Duct Firing	Sugar Creek Power Plant_Uprated	Sugar Creek Power Plant_Uprated_with H2	DER_Paired_S+B_Ref_HighAvo	Generic 4-Hour Storage_Ref_2032	Generic 4-Hour Storage_Ref_2034	Generic 4-Hour Storage_Ref_2036	Generic 4-Hour Storage_Ref_2037	Generic Solar_Ref_2030	Generic Solar_Ref_2032	Generic Solar_Ref_2033	Generic Solar_Ref_2034	Generic Solar_Ref_2035	Generic Solar_Ref_2039
0%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	3%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	3%	53%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	39%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	4%	44%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	4%	44%	0%	6%	0%	0%	0%	0%	26%	0%	0%	0%	0%	0%
0%	5%	50%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	5%	50%	0%	6%	-3%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	4%	48%	0%	6%	-3%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	4%	51%	0%	6%	-3%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	7%	59%	0%	6%	-3%	0%	0%	0%	25%	0%	0%	0%	26%	0%
0%	5%	48%	0%	6%	-3%	0%	-3%	0%	25%	0%	0%	0%	25%	0%
0%	8%	66%	0%	6%	-3%	0%	-3%	-3%	25%	0%	0%	0%	25%	0%
0%	11%	67%	0%	6%	-3%	0%	-3%	-3%	25%	0%	0%	0%	25%	0%
0%	13%	70%	0%	6%	-3%	0%	-3%	-3%	25%	0%	0%	0%	25%	26%
0%	12%	70%	0%	6%	-3%	0%	-3%	-3%	25%	0%	0%	0%	25%	25%

Generic Solar_Ref_2040	Gas CC A1	Gas Peaking A1	Storage A2
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-7%
0%	0%	0%	-6%
0%	0%	0%	-7%
0%	0%	0%	-7%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
26%	0%	0%	-6%

Resource Capacity Factor Summary

Portfolio	Replacements F
Scenario	Reference

Capacity Factor

	Indiana Crossroads Wind I	Michigan City #12	NIPSCO Customer-Owned BTM Storage	NIPSCO Customer-Owned Distributed Generation	Norway #1-#4 NIPS	Oakdale #1+2+3	Cavalry S+S (Solar Only)
2021	43%	68%	0%	19%	65%	52%	0%
2022	37%	67%	0%	19%	65%	52%	0%
2023	37%	73%	0%	19%	65%	52%	11%
2024	38%	79%	0%	19%	65%	52%	25%
2025	37%	71%	0%	19%	65%	52%	25%
2026	37%	68%	0%	20%	65%	52%	25%
2027	37%	0%	0%	19%	65%	52%	25%
2028	38%	0%	0%	19%	65%	52%	25%
2029	37%	0%	0%	19%	65%	52%	25%
2030	37%	0%	-3%	19%	65%	52%	25%
2031	37%	0%	-3%	19%	65%	52%	25%
2032	38%	0%	-3%	19%	65%	52%	25%
2033	37%	0%	-3%	19%	65%	52%	25%
2034	37%	0%	-3%	19%	65%	52%	25%
2035	37%	0%	-3%	19%	65%	52%	25%
2036	38%	0%	-3%	19%	65%	52%	25%
2037	37%	0%	-3%	20%	65%	52%	25%
2038	37%	0%	-3%	19%	65%	52%	25%
2039	37%	0%	-3%	19%	65%	52%	25%
2040	38%	0%	-3%	19%	65%	52%	25%

Cavalry S+S (Storage Only)	Dunns Bridge 1 Solar	Dunns Bridge 2 S+S (Solar Only)	Dunns Bridge 2 S+S (Storage Only)	Elliot Solar	Fairbanks Solar	INCR Solar	RM Schahfer #15	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	Rosewater	Sugar Creek Power Plant	Sugar Creek Power Plant_5 Percent H2
0%	0%	0%	0%	0%	0%	0%	73%	2%	2%	42%	56%	35%	70%	0%
0%	10%	0%	0%	0%	0%	9%	0%	0%	0%	57%	62%	35%	65%	0%
-2%	24%	10%	-2%	26%	17%	25%	0%	0%	0%	61%	66%	35%	68%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	1%	0%	0%	35%	66%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	1%	0%	0%	35%	65%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	66%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%

Sugar Creek Power Plant_95 Percent Gas	Sugar Creek Power Plant_Duct Firing	Sugar Creek Power Plant_Uprated	Sugar Creek Power Plant_Uprated_with H2	DER_Paired_S+B_Ref_HighAvo	Generic 4-Hour Storage_Ref_2032	Generic 4-Hour Storage_Ref_2034	Generic 4-Hour Storage_Ref_2036	Generic 4-Hour Storage_Ref_2037	Generic Solar_Ref_2030	Generic Solar_Ref_2032	Generic Solar_Ref_2033	Generic Solar_Ref_2034	Generic Solar_Ref_2035	Generic Solar_Ref_2039
0%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	4%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	3%	69%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	2%	56%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	5%	67%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	5%	63%	0%	6%	0%	0%	0%	0%	26%	0%	0%	0%	0%	0%
0%	4%	62%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	3%	62%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	4%	61%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	4%	61%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	5%	60%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	26%	0%
0%	4%	51%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	25%	0%
0%	5%	62%	0%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	0%
0%	6%	64%	0%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	0%
0%	7%	68%	0%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	26%
0%	7%	68%	0%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	25%

Generic Solar_Ref_2040	Gas CC A1	Gas Peaking A1	Storage A2
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	3%	0%
0%	0%	3%	-3%
0%	0%	3%	-3%
0%	0%	4%	-3%
0%	0%	4%	-3%
0%	0%	3%	-3%
0%	0%	3%	-3%
0%	0%	3%	-3%
0%	0%	3%	-3%
0%	0%	4%	-3%
0%	0%	4%	-3%
0%	0%	4%	-3%
0%	0%	5%	-3%
0%	0%	5%	-3%
26%	0%	5%	-3%

Portfolio	Replacements F
Scenario	Aggressive Environmental Regulation

Capacity Factor

	Indiana Crossroads Wind I	Michigan City #12	NIPSCO Customer-Owned BTM Storage	NIPSCO Customer-Owned Distributed Generation	Norway #1-#4 NIPS	Oakdale #1+2+3	Cavalry S+S (Solar Only)
2021	43%	68%	0%	19%	65%	52%	0%
2022	37%	70%	0%	19%	65%	52%	0%
2023	37%	74%	0%	19%	65%	52%	11%
2024	38%	74%	-2%	19%	65%	52%	25%
2025	37%	65%	-2%	19%	65%	52%	25%
2026	37%	74%	-2%	20%	65%	52%	25%
2027	37%	0%	-3%	19%	65%	52%	25%
2028	38%	0%	-3%	19%	65%	52%	25%
2029	37%	0%	-3%	19%	65%	52%	25%
2030	37%	0%	-3%	19%	65%	52%	24%
2031	37%	0%	-3%	19%	65%	52%	24%
2032	38%	0%	-3%	19%	65%	52%	24%
2033	37%	0%	-3%	19%	65%	52%	24%
2034	37%	0%	-3%	19%	65%	52%	23%
2035	37%	0%	-3%	19%	65%	52%	23%
2036	38%	0%	-3%	19%	65%	52%	23%
2037	37%	0%	-3%	20%	65%	52%	23%
2038	37%	0%	-3%	19%	65%	52%	22%
2039	37%	0%	-3%	19%	65%	52%	23%
2040	38%	0%	-3%	19%	65%	52%	23%

Cavalry S+S (Storage Only)	Dunns Bridge 1 Solar	Dunns Bridge 2 S+S (Solar Only)	Dunns Bridge 2 S+S (Storage Only)	Elliot Solar	Fairbanks Solar	INCR Solar	RM Schahfer #15	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	Rosewater	Sugar Creek Power Plant	Sugar Creek Power Plant_5 Percent H2
0%	0%	0%	0%	0%	0%	0%	73%	2%	2%	41%	57%	35%	70%	0%
0%	10%	0%	0%	0%	0%	9%	0%	0%	0%	63%	65%	35%	54%	0%
-2%	24%	10%	-2%	26%	17%	25%	0%	0%	0%	62%	67%	35%	51%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	55%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	43%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	37%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	24%	26%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	24%	26%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	24%	26%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	23%	24%	-2%	23%	25%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	23%	24%	-2%	23%	25%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	23%	23%	-2%	23%	24%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	23%	23%	-2%	22%	24%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	22%	22%	-2%	22%	23%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	22%	22%	-2%	22%	23%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	21%	22%	-2%	21%	23%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	21%	22%	-2%	21%	23%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	22%	23%	-2%	22%	23%	25%	0%	0%	0%	0%	0%	35%	0%	0%

Sugar Creek Power Plant_95 Percent Gas	Sugar Creek Power Plant_Duct Firing	Sugar Creek Power Plant_Uprated	Sugar Creek Power Plant_Uprated_with H2	DER_Paired_S+B_Ref_HighAvo	Generic 4-Hour Storage_Ref_2032	Generic 4-Hour Storage_Ref_2034	Generic 4-Hour Storage_Ref_2036	Generic 4-Hour Storage_Ref_2037	Generic Solar_Ref_2030	Generic Solar_Ref_2032	Generic Solar_Ref_2033	Generic Solar_Ref_2034	Generic Solar_Ref_2035	Generic Solar_Ref_2039
0%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	40%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	0%	32%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	37%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	36%	0%	6%	0%	0%	0%	0%	26%	0%	0%	0%	0%	0%
0%	2%	42%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	2%	48%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	2%	50%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	1%	47%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	1%	42%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	26%	0%
0%	1%	32%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	25%	0%
0%	1%	39%	0%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	0%
0%	1%	36%	0%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	0%
0%	1%	36%	0%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	26%
0%	0%	34%	0%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	25%

Generic Solar_Ref_2040	Gas CC A1	Gas Peaking A1	Storage A2
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	1%	-3%
0%	0%	0%	-3%
0%	0%	1%	-3%
0%	0%	1%	-3%
0%	0%	2%	-3%
0%	0%	2%	-3%
0%	0%	2%	-3%
0%	0%	2%	-3%
0%	0%	2%	-3%
0%	0%	2%	-3%
0%	0%	2%	-3%
0%	0%	1%	-3%
0%	0%	1%	-3%
26%	0%	1%	-3%

Portfolio	Replacements F
Scenario	Status Quo Extended

Capacity Factor

	Indiana Crossroads Wind I	Michigan City #12	NIPSCO Customer-Owned BTM Storage	NIPSCO Customer-Owned Distributed Generation	Norway #1-#4 NIPS	Oakdale #1+2+3	Cavalry S+S (Solar Only)
2021	43%	68%	0%	19%	65%	52%	0%
2022	37%	64%	0%	19%	65%	52%	0%
2023	37%	69%	0%	19%	65%	52%	11%
2024	38%	75%	0%	19%	65%	52%	25%
2025	37%	64%	0%	19%	65%	52%	25%
2026	37%	70%	0%	20%	65%	52%	25%
2027	37%	0%	0%	19%	65%	52%	25%
2028	38%	0%	0%	19%	65%	52%	25%
2029	37%	0%	0%	19%	65%	52%	25%
2030	37%	0%	0%	19%	65%	52%	25%
2031	37%	0%	0%	19%	65%	52%	25%
2032	38%	0%	0%	19%	65%	52%	25%
2033	37%	0%	0%	19%	65%	52%	25%
2034	37%	0%	0%	19%	65%	52%	25%
2035	37%	0%	0%	19%	65%	52%	25%
2036	38%	0%	0%	19%	65%	52%	25%
2037	37%	0%	0%	20%	65%	52%	25%
2038	37%	0%	0%	19%	65%	52%	25%
2039	37%	0%	0%	19%	65%	52%	25%
2040	38%	0%	0%	19%	65%	52%	25%

Cavalry S+S (Storage Only)	Dunns Bridge 1 Solar	Dunns Bridge 2 S+S (Solar Only)	Dunns Bridge 2 S+S (Storage Only)	Elliot Solar	Fairbanks Solar	INCR Solar	RM Schahfer #15	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	Rosewater	Sugar Creek Power Plant	Sugar Creek Power Plant_5 Percent H2
0%	0%	0%	0%	0%	0%	0%	73%	2%	2%	41%	56%	35%	70%	0%
0%	10%	0%	0%	0%	0%	9%	0%	0%	0%	54%	59%	35%	69%	0%
-1%	24%	10%	-1%	26%	17%	25%	0%	0%	0%	55%	60%	35%	86%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	3%	0%	0%	35%	87%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	3%	0%	0%	35%	87%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	2%	0%	0%	35%	82%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	1%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	1%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%

Sugar Creek Power Plant_95 Percent Gas	Sugar Creek Power Plant_Duct Firing	Sugar Creek Power Plant_Uprated	Sugar Creek Power Plant_Uprated_with H2	DER_Paired_S+B_Ref_HighAvo	Generic 4-Hour Storage_Ref_2032	Generic 4-Hour Storage_Ref_2034	Generic 4-Hour Storage_Ref_2036	Generic 4-Hour Storage_Ref_2037	Generic Solar_Ref_2030	Generic Solar_Ref_2032	Generic Solar_Ref_2033	Generic Solar_Ref_2034	Generic Solar_Ref_2035	Generic Solar_Ref_2039
0%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	21%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	19%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	16%	86%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	12%	70%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	17%	84%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	16%	79%	0%	6%	0%	0%	0%	0%	26%	0%	0%	0%	0%	0%
0%	15%	81%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	15%	80%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	15%	79%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	15%	76%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	15%	78%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	26%	0%
0%	11%	64%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	25%	0%
0%	14%	77%	0%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	0%
0%	13%	73%	0%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	0%
0%	16%	77%	0%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	26%
0%	16%	78%	0%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	25%

Generic Solar_Ref_2040	Gas CC A1	Gas Peaking A1	Storage A2
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	13%	0%
0%	0%	9%	-3%
0%	0%	9%	-3%
0%	0%	10%	-3%
0%	0%	9%	-3%
0%	0%	8%	-3%
0%	0%	8%	-3%
0%	0%	8%	-3%
0%	0%	8%	-3%
0%	0%	8%	-3%
0%	0%	7%	-3%
0%	0%	7%	-3%
0%	0%	7%	-3%
0%	0%	8%	-3%
26%	0%	8%	-3%

Portfolio	Replacements F
Scenario	Economy-Wide Decarbonization

Capacity Factor

	Indiana Crossroads Wind I	Michigan City #12	NIPSCO Customer-Owned BTM Storage	NIPSCO Customer-Owned Distributed Generation	Norway #1-#4 NIPS	Oakdale #1+2+3	Cavalry S+S (Solar Only)
2021	43%	68%	0%	19%	65%	52%	0%
2022	37%	65%	0%	19%	65%	52%	0%
2023	37%	72%	0%	19%	65%	52%	11%
2024	38%	78%	-1%	19%	65%	52%	25%
2025	37%	70%	-1%	19%	65%	52%	25%
2026	37%	77%	0%	20%	65%	52%	25%
2027	37%	0%	0%	19%	65%	52%	25%
2028	38%	0%	0%	19%	65%	52%	25%
2029	37%	0%	0%	19%	65%	52%	25%
2030	37%	0%	0%	19%	65%	52%	25%
2031	37%	0%	0%	19%	65%	52%	25%
2032	38%	0%	0%	19%	65%	52%	25%
2033	37%	0%	0%	19%	65%	52%	25%
2034	37%	0%	0%	19%	65%	52%	25%
2035	37%	0%	0%	19%	65%	52%	25%
2036	38%	0%	0%	19%	65%	52%	25%
2037	37%	0%	0%	20%	65%	52%	25%
2038	37%	0%	0%	19%	65%	52%	25%
2039	37%	0%	0%	19%	65%	52%	25%
2040	38%	0%	0%	19%	65%	52%	25%

Cavalry S+S (Storage Only)	Dunns Bridge 1 Solar	Dunns Bridge 2 S+S (Solar Only)	Dunns Bridge 2 S+S (Storage Only)	Elliot Solar	Fairbanks Solar	INCR Solar	RM Schahfer #15	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	Rosewater	Sugar Creek Power Plant	Sugar Creek Power Plant_5 Percent H2
0%	0%	0%	0%	0%	0%	0%	73%	2%	2%	42%	57%	35%	70%	0%
0%	10%	0%	0%	0%	0%	9%	0%	0%	0%	55%	61%	35%	64%	0%
-1%	24%	10%	-1%	26%	17%	25%	0%	0%	0%	60%	64%	35%	67%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	1%	0%	0%	35%	64%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	1%	0%	0%	35%	60%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	54%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%

Sugar Creek Power Plant_95 Percent Gas	Sugar Creek Power Plant_Duct Firing	Sugar Creek Power Plant_Uprated	Sugar Creek Power Plant_Uprated_with H2	DER_Paired_S+B_Ref_HighAvo	Generic 4-Hour Storage_Ref_2032	Generic 4-Hour Storage_Ref_2034	Generic 4-Hour Storage_Ref_2036	Generic 4-Hour Storage_Ref_2037	Generic Solar_Ref_2030	Generic Solar_Ref_2032	Generic Solar_Ref_2033	Generic Solar_Ref_2034	Generic Solar_Ref_2035	Generic Solar_Ref_2039
0%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	3%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	3%	53%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	39%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	4%	44%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	4%	44%	0%	6%	0%	0%	0%	0%	26%	0%	0%	0%	0%	0%
0%	5%	50%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	5%	50%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	4%	48%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	4%	51%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	7%	59%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	26%	0%
0%	5%	48%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	25%	0%
0%	8%	66%	0%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	0%
0%	11%	67%	0%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	0%
0%	13%	70%	0%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	26%
0%	12%	70%	0%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	25%

Generic Solar_Ref_2040	Gas CC A1	Gas Peaking A1	Storage A2
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	2%	0%
0%	0%	2%	-3%
0%	0%	2%	-3%
0%	0%	3%	-3%
0%	0%	3%	-3%
0%	0%	4%	-3%
0%	0%	4%	-3%
0%	0%	3%	-3%
0%	0%	4%	-3%
0%	0%	5%	-3%
0%	0%	5%	-3%
0%	0%	7%	-3%
0%	0%	8%	-3%
0%	0%	9%	-3%
26%	0%	9%	-3%

Resource Capacity Factor Summary

Portfolio	Replacements G
Scenario	Reference

Capacity Factor

	Indiana Crossroads Wind I	Michigan City #12	NIPSCO Customer-Owned BTM Storage	NIPSCO Customer-Owned Distributed Generation	Norway #1-#4 NIPS	Oakdale #1+2+3	Cavalry S+S (Solar Only)
2021	43%	68%	0%	19%	65%	52%	0%
2022	37%	67%	0%	19%	65%	52%	0%
2023	37%	73%	0%	19%	65%	52%	11%
2024	38%	79%	0%	19%	65%	52%	25%
2025	37%	71%	0%	19%	65%	52%	25%
2026	37%	68%	0%	20%	65%	52%	25%
2027	37%	0%	0%	19%	65%	52%	25%
2028	38%	0%	0%	19%	65%	52%	25%
2029	37%	0%	0%	19%	65%	52%	25%
2030	37%	0%	-3%	19%	65%	52%	25%
2031	37%	0%	-3%	19%	65%	52%	25%
2032	38%	0%	-3%	19%	65%	52%	25%
2033	37%	0%	-3%	19%	65%	52%	25%
2034	37%	0%	-3%	19%	65%	52%	25%
2035	37%	0%	-3%	19%	65%	52%	25%
2036	38%	0%	-3%	19%	65%	52%	25%
2037	37%	0%	-3%	20%	65%	52%	25%
2038	37%	0%	-3%	19%	65%	52%	25%
2039	37%	0%	-3%	19%	65%	52%	25%
2040	38%	0%	-3%	19%	65%	52%	25%

Cavalry S+S (Storage Only)	Dunns Bridge 1 Solar	Dunns Bridge 2 S+S (Solar Only)	Dunns Bridge 2 S+S (Storage Only)	Elliot Solar	Fairbanks Solar	INCR Solar	RM Schahfer #15	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	Rosewater	Sugar Creek Power Plant	Sugar Creek Power Plant_5 Percent H2
0%	0%	0%	0%	0%	0%	0%	73%	2%	2%	42%	56%	35%	70%	0%
0%	10%	0%	0%	0%	0%	9%	0%	0%	0%	57%	62%	35%	65%	0%
-2%	24%	10%	-2%	26%	17%	25%	0%	0%	0%	61%	66%	35%	68%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	1%	0%	0%	35%	66%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	1%	0%	0%	35%	65%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	66%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	67%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	54%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	64%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	61%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	60%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	56%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%

Sugar Creek Power Plant_95 Percent Gas	Sugar Creek Power Plant_Duct Firing	Sugar Creek Power Plant_Uprated	Sugar Creek Power Plant_Uprated_with H2	DER_Paired_S+B_Ref_HighAvo	Generic 4-Hour Storage_Ref_2032	Generic 4-Hour Storage_Ref_2034	Generic 4-Hour Storage_Ref_2036	Generic 4-Hour Storage_Ref_2037	Generic Solar_Ref_2030	Generic Solar_Ref_2032	Generic Solar_Ref_2033	Generic Solar_Ref_2034	Generic Solar_Ref_2035	Generic Solar_Ref_2039
0%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	4%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	3%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	2%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	5%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	5%	0%	0%	6%	0%	0%	0%	0%	26%	0%	0%	0%	0%	0%
0%	4%	0%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	4%	0%	0%	6%	-3%	0%	0%	0%	25%	26%	0%	0%	0%	0%
0%	0%	0%	0%	6%	-3%	0%	0%	0%	25%	25%	26%	0%	0%	0%
0%	0%	0%	0%	6%	-3%	0%	0%	0%	25%	25%	25%	26%	0%	0%
0%	0%	0%	0%	6%	-3%	0%	0%	0%	25%	25%	25%	25%	26%	0%
0%	0%	0%	0%	6%	-3%	0%	0%	0%	25%	25%	25%	25%	25%	0%
0%	0%	0%	0%	6%	-3%	0%	0%	-3%	25%	25%	25%	25%	25%	0%
0%	0%	0%	0%	6%	-3%	0%	0%	-3%	25%	25%	25%	25%	25%	0%
0%	0%	0%	0%	6%	-3%	0%	0%	-3%	25%	25%	25%	25%	25%	26%
0%	0%	0%	0%	6%	-3%	0%	0%	-3%	25%	25%	25%	25%	25%	25%

Generic Solar_Ref_2040	Gas CC A1	Gas Peaking A1	Storage A2
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
26%	0%	0%	-3%

Portfolio	Replacements G
Scenario	Aggressive Environmental Regulation

Capacity Factor

	Indiana Crossroads Wind I	Michigan City #12	NIPSCO Customer-Owned BTM Storage	NIPSCO Customer-Owned Distributed Generation	Norway #1-#4 NIPS	Oakdale #1+2+3	Cavalry S+S (Solar Only)
2021	43%	68%	0%	19%	65%	52%	0%
2022	37%	70%	0%	19%	65%	52%	0%
2023	37%	74%	0%	19%	65%	52%	11%
2024	38%	74%	-2%	19%	65%	52%	25%
2025	37%	65%	-2%	19%	65%	52%	25%
2026	37%	74%	-2%	20%	65%	52%	25%
2027	37%	0%	-3%	19%	65%	52%	25%
2028	38%	0%	-3%	19%	65%	52%	25%
2029	37%	0%	-3%	19%	65%	52%	25%
2030	37%	0%	-3%	19%	65%	52%	24%
2031	37%	0%	-3%	19%	65%	52%	24%
2032	38%	0%	-3%	19%	65%	52%	24%
2033	37%	0%	-3%	19%	65%	52%	24%
2034	37%	0%	-3%	19%	65%	52%	23%
2035	37%	0%	-3%	19%	65%	52%	23%
2036	38%	0%	-3%	19%	65%	52%	23%
2037	37%	0%	-3%	20%	65%	52%	23%
2038	37%	0%	-3%	19%	65%	52%	22%
2039	37%	0%	-3%	19%	65%	52%	23%
2040	38%	0%	-3%	19%	65%	52%	23%

Cavalry S+S (Storage Only)	Dunns Bridge 1 Solar	Dunns Bridge 2 S+S (Solar Only)	Dunns Bridge 2 S+S (Storage Only)	Elliot Solar	Fairbanks Solar	INCR Solar	RM Schahfer #15	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	Rosewater	Sugar Creek Power Plant	Sugar Creek Power Plant_5 Percent H2
0%	0%	0%	0%	0%	0%	0%	73%	2%	2%	41%	57%	35%	70%	0%
0%	10%	0%	0%	0%	0%	9%	0%	0%	0%	63%	65%	35%	54%	0%
-2%	24%	10%	-2%	26%	17%	25%	0%	0%	0%	62%	67%	35%	51%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	55%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	43%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	37%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	34%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	27%	0%
-2%	24%	24%	-2%	24%	26%	25%	0%	0%	0%	0%	0%	35%	33%	0%
-2%	24%	24%	-2%	24%	26%	25%	0%	0%	0%	0%	0%	35%	33%	0%
-2%	24%	24%	-2%	24%	26%	25%	0%	0%	0%	0%	0%	35%	40%	0%
-2%	23%	24%	-2%	23%	25%	25%	0%	0%	0%	0%	0%	35%	35%	0%
-2%	23%	24%	-2%	23%	25%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	23%	23%	-2%	23%	24%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	23%	23%	-2%	22%	24%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	22%	22%	-2%	22%	23%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	22%	22%	-2%	22%	23%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	21%	22%	-2%	21%	23%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	21%	22%	-2%	21%	23%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	22%	23%	-2%	22%	23%	25%	0%	0%	0%	0%	0%	35%	0%	0%

Sugar Creek Power Plant_95 Percent Gas	Sugar Creek Power Plant_Duct Firing	Sugar Creek Power Plant_Uprated	Sugar Creek Power Plant_Uprated_with H2	DER_Paired_S+B_Ref_HighAvo	Generic 4-Hour Storage_Ref_2032	Generic 4-Hour Storage_Ref_2034	Generic 4-Hour Storage_Ref_2036	Generic 4-Hour Storage_Ref_2037	Generic Solar_Ref_2030	Generic Solar_Ref_2032	Generic Solar_Ref_2033	Generic Solar_Ref_2034	Generic Solar_Ref_2035	Generic Solar_Ref_2039
0%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	0%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	0%	0%	6%	0%	0%	0%	0%	26%	0%	0%	0%	0%	0%
0%	2%	0%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	3%	0%	0%	6%	-3%	0%	0%	0%	25%	26%	0%	0%	0%	0%
0%	0%	0%	0%	6%	-3%	0%	0%	0%	25%	25%	26%	0%	0%	0%
0%	0%	0%	0%	6%	-3%	0%	0%	0%	25%	25%	25%	26%	0%	0%
0%	0%	0%	0%	6%	-3%	0%	0%	0%	25%	25%	25%	25%	26%	0%
0%	0%	0%	0%	6%	-3%	0%	0%	0%	25%	25%	25%	25%	25%	0%
0%	0%	0%	0%	6%	-3%	0%	0%	-3%	25%	25%	25%	25%	25%	0%
0%	0%	0%	0%	6%	-3%	0%	0%	-3%	25%	25%	25%	25%	25%	0%
0%	0%	0%	0%	6%	-3%	0%	0%	-3%	25%	25%	25%	25%	25%	26%
0%	0%	0%	0%	6%	-3%	0%	0%	-3%	25%	25%	25%	25%	25%	25%

Generic Solar_Ref_2040	Gas CC A1	Gas Peaking A1	Storage A2
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
26%	0%	0%	-3%

Portfolio	Replacements G
Scenario	Status Quo Extended

Capacity Factor

	Indiana Crossroads Wind I	Michigan City #12	NIPSCO Customer-Owned BTM Storage	NIPSCO Customer-Owned Distributed Generation	Norway #1-#4 NIPS	Oakdale #1+2+3	Cavalry S+S (Solar Only)
2021	43%	68%	0%	19%	65%	52%	0%
2022	37%	64%	0%	19%	65%	52%	0%
2023	37%	69%	0%	19%	65%	52%	11%
2024	38%	75%	0%	19%	65%	52%	25%
2025	37%	64%	0%	19%	65%	52%	25%
2026	37%	70%	0%	20%	65%	52%	25%
2027	37%	0%	0%	19%	65%	52%	25%
2028	38%	0%	0%	19%	65%	52%	25%
2029	37%	0%	0%	19%	65%	52%	25%
2030	37%	0%	0%	19%	65%	52%	25%
2031	37%	0%	0%	19%	65%	52%	25%
2032	38%	0%	0%	19%	65%	52%	25%
2033	37%	0%	0%	19%	65%	52%	25%
2034	37%	0%	0%	19%	65%	52%	25%
2035	37%	0%	0%	19%	65%	52%	25%
2036	38%	0%	0%	19%	65%	52%	25%
2037	37%	0%	0%	20%	65%	52%	25%
2038	37%	0%	0%	19%	65%	52%	25%
2039	37%	0%	0%	19%	65%	52%	25%
2040	38%	0%	0%	19%	65%	52%	25%

Cavalry S+S (Storage Only)	Dunns Bridge 1 Solar	Dunns Bridge 2 S+S (Solar Only)	Dunns Bridge 2 S+S (Storage Only)	Elliot Solar	Fairbanks Solar	INCR Solar	RM Schahfer #15	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	Rosewater	Sugar Creek Power Plant	Sugar Creek Power Plant_5 Percent H2
0%	0%	0%	0%	0%	0%	0%	73%	2%	2%	41%	56%	35%	70%	0%
0%	10%	0%	0%	0%	0%	9%	0%	0%	0%	54%	59%	35%	69%	0%
-1%	24%	10%	-1%	26%	17%	25%	0%	0%	0%	55%	60%	35%	86%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	3%	0%	0%	35%	87%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	3%	0%	0%	35%	87%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	2%	0%	0%	35%	82%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	1%	0%	0%	35%	85%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	1%	0%	0%	35%	69%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	83%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	78%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	79%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	77%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%

Sugar Creek Power Plant_95 Percent Gas	Sugar Creek Power Plant_Duct Firing	Sugar Creek Power Plant_Uprated	Sugar Creek Power Plant_Uprated_with H2	DER_Paired_S+B_Ref_HighAvo	Generic 4-Hour Storage_Ref_2032	Generic 4-Hour Storage_Ref_2034	Generic 4-Hour Storage_Ref_2036	Generic 4-Hour Storage_Ref_2037	Generic Solar_Ref_2030	Generic Solar_Ref_2032	Generic Solar_Ref_2033	Generic Solar_Ref_2034	Generic Solar_Ref_2035	Generic Solar_Ref_2039
0%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	21%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	19%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	16%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	12%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	17%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	16%	0%	0%	6%	0%	0%	0%	0%	26%	0%	0%	0%	0%	0%
0%	15%	0%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	17%	0%	0%	6%	-3%	0%	0%	0%	25%	26%	0%	0%	0%	0%
0%	0%	0%	0%	6%	-3%	0%	0%	0%	25%	25%	26%	0%	0%	0%
0%	0%	0%	0%	6%	-3%	0%	0%	0%	25%	25%	25%	26%	0%	0%
0%	0%	0%	0%	6%	-3%	0%	0%	0%	25%	25%	25%	25%	26%	0%
0%	0%	0%	0%	6%	-3%	0%	0%	0%	25%	25%	25%	25%	25%	0%
0%	0%	0%	0%	6%	-3%	0%	0%	-3%	25%	25%	25%	25%	25%	0%
0%	0%	0%	0%	6%	-3%	0%	0%	-3%	25%	25%	25%	25%	25%	0%
0%	0%	0%	0%	6%	-3%	0%	0%	-3%	25%	25%	25%	25%	25%	26%
0%	0%	0%	0%	6%	-3%	0%	0%	-3%	25%	25%	25%	25%	25%	25%

Generic Solar_Ref_2040	Gas CC A1	Gas Peaking A1	Storage A2
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
26%	0%	0%	-3%

Portfolio	Replacements G
Scenario	Economy-Wide Decarbonization

Capacity Factor

	Indiana Crossroads Wind I	Michigan City #12	NIPSCO Customer-Owned BTM Storage	NIPSCO Customer-Owned Distributed Generation	Norway #1-#4 NIPS	Oakdale #1+2+3	Cavalry S+S (Solar Only)
2021	43%	68%	0%	19%	65%	52%	0%
2022	37%	65%	0%	19%	65%	52%	0%
2023	37%	72%	0%	19%	65%	52%	11%
2024	38%	78%	-1%	19%	65%	52%	25%
2025	37%	70%	-1%	19%	65%	52%	25%
2026	37%	77%	0%	20%	65%	52%	25%
2027	37%	0%	0%	19%	65%	52%	25%
2028	38%	0%	0%	19%	65%	52%	25%
2029	37%	0%	0%	19%	65%	52%	25%
2030	37%	0%	0%	19%	65%	52%	25%
2031	37%	0%	0%	19%	65%	52%	25%
2032	38%	0%	0%	19%	65%	52%	25%
2033	37%	0%	0%	19%	65%	52%	25%
2034	37%	0%	0%	19%	65%	52%	25%
2035	37%	0%	0%	19%	65%	52%	25%
2036	38%	0%	0%	19%	65%	52%	25%
2037	37%	0%	0%	20%	65%	52%	25%
2038	37%	0%	0%	19%	65%	52%	25%
2039	37%	0%	0%	19%	65%	52%	25%
2040	38%	0%	0%	19%	65%	52%	25%

Cavalry S+S (Storage Only)	Dunns Bridge 1 Solar	Dunns Bridge 2 S+S (Solar Only)	Dunns Bridge 2 S+S (Storage Only)	Elliot Solar	Fairbanks Solar	INCR Solar	RM Schahfer #15	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	Rosewater	Sugar Creek Power Plant	Sugar Creek Power Plant_5 Percent H2
0%	0%	0%	0%	0%	0%	0%	73%	2%	2%	42%	57%	35%	70%	0%
0%	10%	0%	0%	0%	0%	9%	0%	0%	0%	55%	61%	35%	64%	0%
-1%	24%	10%	-1%	26%	17%	25%	0%	0%	0%	60%	64%	35%	67%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	1%	0%	0%	35%	64%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	1%	0%	0%	35%	60%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	54%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	50%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	37%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	41%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	41%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	47%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	38%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%

Sugar Creek Power Plant_95 Percent Gas	Sugar Creek Power Plant_Duct Firing	Sugar Creek Power Plant_Uprated	Sugar Creek Power Plant_Uprated_with H2	DER_Paired_S+B_Ref_HighAvo	Generic 4-Hour Storage_Ref_2032	Generic 4-Hour Storage_Ref_2034	Generic 4-Hour Storage_Ref_2036	Generic 4-Hour Storage_Ref_2037	Generic Solar_Ref_2030	Generic Solar_Ref_2032	Generic Solar_Ref_2033	Generic Solar_Ref_2034	Generic Solar_Ref_2035	Generic Solar_Ref_2039
0%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	3%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	3%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	4%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	4%	0%	0%	6%	0%	0%	0%	0%	26%	0%	0%	0%	0%	0%
0%	5%	0%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	5%	0%	0%	6%	-3%	0%	0%	0%	25%	26%	0%	0%	0%	0%
0%	0%	0%	0%	6%	-3%	0%	0%	0%	25%	25%	26%	0%	0%	0%
0%	0%	0%	0%	6%	-3%	0%	0%	0%	25%	25%	25%	26%	0%	0%
0%	0%	0%	0%	6%	-3%	0%	0%	0%	25%	25%	25%	25%	26%	0%
0%	0%	0%	0%	6%	-3%	0%	0%	0%	25%	25%	25%	25%	25%	0%
0%	0%	0%	0%	6%	-3%	0%	0%	-3%	25%	25%	25%	25%	25%	0%
0%	0%	0%	0%	6%	-3%	0%	0%	-3%	25%	25%	25%	25%	25%	0%
0%	0%	0%	0%	6%	-3%	0%	0%	-3%	25%	25%	25%	25%	25%	26%
0%	0%	0%	0%	6%	-3%	0%	0%	-3%	25%	25%	25%	25%	25%	25%

Generic Solar_Ref_2040	Gas CC A1	Gas Peaking A1	Storage A2
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-3%
26%	0%	0%	-3%

Resource Capacity Factor Summary

Portfolio	Replacements H
Scenario	Reference

Capacity Factor

	Indiana Crossroads Wind I	Michigan City #12	NIPSCO Customer-Owned BTM Storage	NIPSCO Customer-Owned Distributed Generation	Norway #1-#4 NIPS	Oakdale #1+2+3	Cavalry S+S (Solar Only)
2021	43%	68%	0%	19%	65%	52%	0%
2022	37%	67%	0%	19%	65%	52%	0%
2023	37%	73%	0%	19%	65%	52%	11%
2024	38%	79%	0%	19%	65%	52%	25%
2025	37%	71%	0%	19%	65%	52%	25%
2026	37%	68%	0%	20%	65%	52%	25%
2027	37%	0%	0%	19%	65%	52%	25%
2028	38%	0%	0%	19%	65%	52%	25%
2029	37%	0%	0%	19%	65%	52%	25%
2030	37%	0%	-3%	19%	65%	52%	25%
2031	37%	0%	-3%	19%	65%	52%	25%
2032	38%	0%	-3%	19%	65%	52%	25%
2033	37%	0%	-3%	19%	65%	52%	25%
2034	37%	0%	-3%	19%	65%	52%	25%
2035	37%	0%	-3%	19%	65%	52%	25%
2036	38%	0%	-3%	19%	65%	52%	25%
2037	37%	0%	-3%	20%	65%	52%	25%
2038	37%	0%	-3%	19%	65%	52%	25%
2039	37%	0%	-3%	19%	65%	52%	25%
2040	38%	0%	-3%	19%	65%	52%	25%

Cavalry S+S (Storage Only)	Dunns Bridge 1 Solar	Dunns Bridge 2 S+S (Solar Only)	Dunns Bridge 2 S+S (Storage Only)	Elliot Solar	Fairbanks Solar	INCR Solar	RM Schahfer #15	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	Rosewater	Sugar Creek Power Plant	Sugar Creek Power Plant_5 Percent H2
0%	0%	0%	0%	0%	0%	0%	73%	2%	2%	42%	56%	35%	70%	0%
0%	10%	0%	0%	0%	0%	9%	0%	0%	0%	57%	62%	35%	65%	0%
-2%	24%	10%	-2%	26%	17%	25%	0%	0%	0%	61%	66%	35%	68%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	1%	0%	0%	35%	66%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	1%	0%	0%	35%	65%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	66%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	67%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	54%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	64%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	61%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	60%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	56%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%

Sugar Creek Power Plant_95 Percent Gas	Sugar Creek Power Plant_Duct Firing	Sugar Creek Power Plant_Uprated	Sugar Creek Power Plant_Uprated_with H2	DER_Paired_S+B_Ref_HighAvo	Generic 4-Hour Storage_Ref_2032	Generic 4-Hour Storage_Ref_2034	Generic 4-Hour Storage_Ref_2036	Generic 4-Hour Storage_Ref_2037	Generic Solar_Ref_2030	Generic Solar_Ref_2032	Generic Solar_Ref_2033	Generic Solar_Ref_2034	Generic Solar_Ref_2035	Generic Solar_Ref_2039
0%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	4%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	3%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	2%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	5%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	5%	0%	0%	6%	0%	0%	0%	0%	26%	0%	0%	0%	0%	0%
0%	4%	0%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	4%	0%	0%	6%	-3%	0%	0%	0%	25%	26%	0%	0%	0%	0%
0%	0%	0%	0%	6%	-3%	0%	0%	0%	25%	25%	0%	0%	0%	0%
0%	0%	0%	0%	6%	-3%	0%	0%	0%	25%	25%	0%	0%	0%	0%
0%	0%	0%	0%	6%	-3%	0%	0%	0%	25%	25%	0%	0%	26%	0%
0%	0%	0%	0%	6%	-3%	0%	-3%	0%	25%	25%	0%	0%	25%	0%
0%	0%	0%	0%	6%	-3%	0%	-3%	-3%	25%	25%	0%	0%	25%	0%
0%	0%	0%	0%	6%	-3%	0%	-3%	-3%	25%	25%	0%	0%	25%	0%
0%	0%	0%	0%	6%	-3%	0%	-3%	-3%	25%	25%	0%	0%	25%	26%
0%	0%	0%	0%	6%	-3%	0%	-3%	-3%	25%	25%	0%	0%	25%	25%

Generic Solar_Ref_2040	Gas CC A1	Gas Peaking A1	Storage A2
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-5%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-7%
0%	0%	0%	-7%
0%	0%	0%	-7%
0%	0%	0%	-7%
26%	0%	0%	-7%

Portfolio	Replacements H
Scenario	Aggressive Environmental Regulation

Capacity Factor

	Indiana Crossroads Wind I	Michigan City #12	NIPSCO Customer-Owned BTM Storage	NIPSCO Customer-Owned Distributed Generation	Norway #1-#4 NIPS	Oakdale #1+2+3	Cavalry S+S (Solar Only)
2021	43%	68%	0%	19%	65%	52%	0%
2022	37%	70%	0%	19%	65%	52%	0%
2023	37%	74%	0%	19%	65%	52%	11%
2024	38%	74%	-2%	19%	65%	52%	25%
2025	37%	65%	-2%	19%	65%	52%	25%
2026	37%	74%	-2%	20%	65%	52%	25%
2027	37%	0%	-3%	19%	65%	52%	25%
2028	38%	0%	-3%	19%	65%	52%	25%
2029	37%	0%	-3%	19%	65%	52%	25%
2030	37%	0%	-3%	19%	65%	52%	24%
2031	37%	0%	-3%	19%	65%	52%	24%
2032	38%	0%	-3%	19%	65%	52%	24%
2033	37%	0%	-3%	19%	65%	52%	24%
2034	37%	0%	-3%	19%	65%	52%	23%
2035	37%	0%	-3%	19%	65%	52%	23%
2036	38%	0%	-3%	19%	65%	52%	23%
2037	37%	0%	-3%	20%	65%	52%	23%
2038	37%	0%	-3%	19%	65%	52%	22%
2039	37%	0%	-3%	19%	65%	52%	23%
2040	38%	0%	-3%	19%	65%	52%	23%

Cavalry S+S (Storage Only)	Dunns Bridge 1 Solar	Dunns Bridge 2 S+S (Solar Only)	Dunns Bridge 2 S+S (Storage Only)	Elliot Solar	Fairbanks Solar	INCR Solar	RM Schahfer #15	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	Rosewater	Sugar Creek Power Plant	Sugar Creek Power Plant_5 Percent H2
0%	0%	0%	0%	0%	0%	0%	73%	2%	2%	41%	57%	35%	70%	0%
0%	10%	0%	0%	0%	0%	9%	0%	0%	0%	63%	65%	35%	54%	0%
-2%	24%	10%	-2%	26%	17%	25%	0%	0%	0%	62%	67%	35%	51%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	55%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	43%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	37%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	34%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	27%	0%
-2%	24%	24%	-2%	24%	26%	25%	0%	0%	0%	0%	0%	35%	33%	0%
-2%	24%	24%	-2%	24%	26%	25%	0%	0%	0%	0%	0%	35%	33%	0%
-2%	24%	24%	-2%	24%	26%	25%	0%	0%	0%	0%	0%	35%	40%	0%
-2%	23%	24%	-2%	23%	25%	25%	0%	0%	0%	0%	0%	35%	35%	0%
-2%	23%	24%	-2%	23%	25%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	23%	23%	-2%	23%	24%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	23%	23%	-2%	22%	24%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	22%	22%	-2%	22%	23%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	22%	22%	-2%	22%	23%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	21%	22%	-2%	21%	23%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	21%	22%	-2%	21%	23%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	22%	23%	-2%	22%	23%	25%	0%	0%	0%	0%	0%	35%	0%	0%

Sugar Creek Power Plant_95 Percent Gas	Sugar Creek Power Plant_Duct Firing	Sugar Creek Power Plant_Uprated	Sugar Creek Power Plant_Uprated_with H2	DER_Paired_S+B_Ref_HighAvo	Generic 4-Hour Storage_Ref_2032	Generic 4-Hour Storage_Ref_2034	Generic 4-Hour Storage_Ref_2036	Generic 4-Hour Storage_Ref_2037	Generic Solar_Ref_2030	Generic Solar_Ref_2032	Generic Solar_Ref_2033	Generic Solar_Ref_2034	Generic Solar_Ref_2035	Generic Solar_Ref_2039
0%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	0%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	0%	0%	6%	0%	0%	0%	0%	26%	0%	0%	0%	0%	0%
0%	2%	0%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	3%	0%	0%	6%	-3%	0%	0%	0%	25%	26%	0%	0%	0%	0%
0%	0%	0%	0%	6%	-3%	0%	0%	0%	25%	25%	0%	0%	0%	0%
0%	0%	0%	0%	6%	-3%	0%	0%	0%	25%	25%	0%	0%	0%	0%
0%	0%	0%	0%	6%	-3%	0%	0%	0%	25%	25%	0%	0%	26%	0%
0%	0%	0%	0%	6%	-3%	0%	-3%	0%	25%	25%	0%	0%	25%	0%
0%	0%	0%	0%	6%	-3%	0%	-3%	-3%	25%	25%	0%	0%	25%	0%
0%	0%	0%	0%	6%	-3%	0%	-3%	-3%	25%	25%	0%	0%	25%	0%
0%	0%	0%	0%	6%	-3%	0%	-3%	-3%	25%	25%	0%	0%	25%	26%
0%	0%	0%	0%	6%	-3%	0%	-3%	-3%	25%	25%	0%	0%	25%	25%

Generic Solar_Ref_2040	Gas CC A1	Gas Peaking A1	Storage A2
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	-2%
0%	0%	0%	-2%
0%	0%	0%	-5%
0%	0%	0%	-5%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
26%	0%	0%	-6%

Portfolio	Replacements H
Scenario	Status Quo Extended

Capacity Factor

	Indiana Crossroads Wind I	Michigan City #12	NIPSCO Customer-Owned BTM Storage	NIPSCO Customer-Owned Distributed Generation	Norway #1-#4 NIPS	Oakdale #1+2+3	Cavalry S+S (Solar Only)
2021	43%	68%	0%	19%	65%	52%	0%
2022	37%	64%	0%	19%	65%	52%	0%
2023	37%	69%	0%	19%	65%	52%	11%
2024	38%	75%	0%	19%	65%	52%	25%
2025	37%	64%	0%	19%	65%	52%	25%
2026	37%	70%	0%	20%	65%	52%	25%
2027	37%	0%	0%	19%	65%	52%	25%
2028	38%	0%	0%	19%	65%	52%	25%
2029	37%	0%	0%	19%	65%	52%	25%
2030	37%	0%	0%	19%	65%	52%	25%
2031	37%	0%	0%	19%	65%	52%	25%
2032	38%	0%	0%	19%	65%	52%	25%
2033	37%	0%	0%	19%	65%	52%	25%
2034	37%	0%	0%	19%	65%	52%	25%
2035	37%	0%	0%	19%	65%	52%	25%
2036	38%	0%	0%	19%	65%	52%	25%
2037	37%	0%	0%	20%	65%	52%	25%
2038	37%	0%	0%	19%	65%	52%	25%
2039	37%	0%	0%	19%	65%	52%	25%
2040	38%	0%	0%	19%	65%	52%	25%

Cavalry S+S (Storage Only)	Dunns Bridge 1 Solar	Dunns Bridge 2 S+S (Solar Only)	Dunns Bridge 2 S+S (Storage Only)	Elliot Solar	Fairbanks Solar	INCR Solar	RM Schahfer #15	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	Rosewater	Sugar Creek Power Plant	Sugar Creek Power Plant_5 Percent H2
0%	0%	0%	0%	0%	0%	0%	73%	2%	2%	41%	56%	35%	70%	0%
0%	10%	0%	0%	0%	0%	9%	0%	0%	0%	54%	59%	35%	69%	0%
-1%	24%	10%	-1%	26%	17%	25%	0%	0%	0%	55%	60%	35%	86%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	3%	0%	0%	35%	87%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	3%	0%	0%	35%	87%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	2%	0%	0%	35%	82%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	1%	0%	0%	35%	85%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	1%	0%	0%	35%	69%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	83%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	78%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	79%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	77%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%

Sugar Creek Power Plant_95 Percent Gas	Sugar Creek Power Plant_Duct Firing	Sugar Creek Power Plant_Uprated	Sugar Creek Power Plant_Uprated_with H2	DER_Paired_S+B_Ref_HighAvo	Generic 4-Hour Storage_Ref_2032	Generic 4-Hour Storage_Ref_2034	Generic 4-Hour Storage_Ref_2036	Generic 4-Hour Storage_Ref_2037	Generic Solar_Ref_2030	Generic Solar_Ref_2032	Generic Solar_Ref_2033	Generic Solar_Ref_2034	Generic Solar_Ref_2035	Generic Solar_Ref_2039
0%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	21%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	19%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	16%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	12%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	17%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	16%	0%	0%	6%	0%	0%	0%	0%	26%	0%	0%	0%	0%	0%
0%	15%	0%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	17%	0%	0%	6%	-3%	0%	0%	0%	25%	26%	0%	0%	0%	0%
0%	0%	0%	0%	6%	-3%	0%	0%	0%	25%	25%	0%	0%	0%	0%
0%	0%	0%	0%	6%	-3%	0%	0%	0%	25%	25%	0%	0%	0%	0%
0%	0%	0%	0%	6%	-3%	0%	0%	0%	25%	25%	0%	0%	26%	0%
0%	0%	0%	0%	6%	-3%	0%	-3%	0%	25%	25%	0%	0%	25%	0%
0%	0%	0%	0%	6%	-3%	0%	-3%	-3%	25%	25%	0%	0%	25%	0%
0%	0%	0%	0%	6%	-3%	0%	-3%	-3%	25%	25%	0%	0%	25%	0%
0%	0%	0%	0%	6%	-3%	0%	-3%	-3%	25%	25%	0%	0%	25%	26%
0%	0%	0%	0%	6%	-3%	0%	-3%	-3%	25%	25%	0%	0%	25%	25%

Generic Solar_Ref_2040	Gas CC A1	Gas Peaking A1	Storage A2
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-7%
0%	0%	0%	-7%
26%	0%	0%	-6%

Portfolio	Replacements H
Scenario	Economy-Wide Decarbonization

Capacity Factor

	Indiana Crossroads Wind I	Michigan City #12	NIPSCO Customer-Owned BTM Storage	NIPSCO Customer-Owned Distributed Generation	Norway #1-#4 NIPS	Oakdale #1+2+3	Cavalry S+S (Solar Only)
2021	43%	68%	0%	19%	65%	52%	0%
2022	37%	65%	0%	19%	65%	52%	0%
2023	37%	72%	0%	19%	65%	52%	11%
2024	38%	78%	-1%	19%	65%	52%	25%
2025	37%	70%	-1%	19%	65%	52%	25%
2026	37%	77%	0%	20%	65%	52%	25%
2027	37%	0%	0%	19%	65%	52%	25%
2028	38%	0%	0%	19%	65%	52%	25%
2029	37%	0%	0%	19%	65%	52%	25%
2030	37%	0%	0%	19%	65%	52%	25%
2031	37%	0%	0%	19%	65%	52%	25%
2032	38%	0%	0%	19%	65%	52%	25%
2033	37%	0%	0%	19%	65%	52%	25%
2034	37%	0%	0%	19%	65%	52%	25%
2035	37%	0%	0%	19%	65%	52%	25%
2036	38%	0%	0%	19%	65%	52%	25%
2037	37%	0%	0%	20%	65%	52%	25%
2038	37%	0%	0%	19%	65%	52%	25%
2039	37%	0%	0%	19%	65%	52%	25%
2040	38%	0%	0%	19%	65%	52%	25%

Cavalry S+S (Storage Only)	Dunns Bridge 1 Solar	Dunns Bridge 2 S+S (Solar Only)	Dunns Bridge 2 S+S (Storage Only)	Elliot Solar	Fairbanks Solar	INCR Solar	RM Schahfer #15	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	Rosewater	Sugar Creek Power Plant	Sugar Creek Power Plant_5 Percent H2
0%	0%	0%	0%	0%	0%	0%	73%	2%	2%	42%	57%	35%	70%	0%
0%	10%	0%	0%	0%	0%	9%	0%	0%	0%	55%	61%	35%	64%	0%
-1%	24%	10%	-1%	26%	17%	25%	0%	0%	0%	60%	64%	35%	67%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	1%	0%	0%	35%	64%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	1%	0%	0%	35%	60%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	54%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	50%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	37%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	41%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	41%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	47%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	38%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%

Sugar Creek Power Plant_95 Percent Gas	Sugar Creek Power Plant_Duct Firing	Sugar Creek Power Plant_Uprated	Sugar Creek Power Plant_Uprated_with H2	DER_Paired_S+B_Ref_HighAvo	Generic 4-Hour Storage_Ref_2032	Generic 4-Hour Storage_Ref_2034	Generic 4-Hour Storage_Ref_2036	Generic 4-Hour Storage_Ref_2037	Generic Solar_Ref_2030	Generic Solar_Ref_2032	Generic Solar_Ref_2033	Generic Solar_Ref_2034	Generic Solar_Ref_2035	Generic Solar_Ref_2039
0%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	3%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	3%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	4%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	4%	0%	0%	6%	0%	0%	0%	0%	26%	0%	0%	0%	0%	0%
0%	5%	0%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	5%	0%	0%	6%	-3%	0%	0%	0%	25%	26%	0%	0%	0%	0%
0%	0%	0%	0%	6%	-3%	0%	0%	0%	25%	25%	0%	0%	0%	0%
0%	0%	0%	0%	6%	-3%	0%	0%	0%	25%	25%	0%	0%	0%	0%
0%	0%	0%	0%	6%	-3%	0%	0%	0%	25%	25%	0%	0%	26%	0%
0%	0%	0%	0%	6%	-3%	0%	-3%	0%	25%	25%	0%	0%	25%	0%
0%	0%	0%	0%	6%	-3%	0%	-3%	-3%	25%	25%	0%	0%	25%	0%
0%	0%	0%	0%	6%	-3%	0%	-3%	-3%	25%	25%	0%	0%	25%	0%
0%	0%	0%	0%	6%	-3%	0%	-3%	-3%	25%	25%	0%	0%	25%	26%
0%	0%	0%	0%	6%	-3%	0%	-3%	-3%	25%	25%	0%	0%	25%	25%

Generic Solar_Ref_2040	Gas CC A1	Gas Peaking A1	Storage A2
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-7%
0%	0%	0%	-6%
0%	0%	0%	-7%
0%	0%	0%	-7%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
26%	0%	0%	-6%

Resource Capacity Factor Summary

Portfolio	Replacements I
Scenario	Reference

Capacity Factor

	Indiana Crossroads Wind I	Michigan City #12	NIPSCO Customer-Owned BTM Storage	NIPSCO Customer-Owned Distributed Generation	Norway #1-#4 NIPS	Oakdale #1+2+3	Cavalry S+S (Solar Only)
2021	43%	68%	0%	19%	65%	52%	0%
2022	37%	67%	0%	19%	65%	52%	0%
2023	37%	73%	0%	19%	65%	52%	11%
2024	38%	79%	0%	19%	65%	52%	25%
2025	37%	71%	0%	19%	65%	52%	25%
2026	37%	68%	0%	20%	65%	52%	25%
2027	37%	0%	0%	19%	65%	52%	25%
2028	38%	0%	0%	19%	65%	52%	25%
2029	37%	0%	0%	19%	65%	52%	25%
2030	37%	0%	-3%	19%	65%	52%	25%
2031	37%	0%	-3%	19%	65%	52%	25%
2032	38%	0%	-3%	19%	65%	52%	25%
2033	37%	0%	-3%	19%	65%	52%	25%
2034	37%	0%	-3%	19%	65%	52%	25%
2035	37%	0%	-3%	19%	65%	52%	25%
2036	38%	0%	-3%	19%	65%	52%	25%
2037	37%	0%	-3%	20%	65%	52%	25%
2038	37%	0%	-3%	19%	65%	52%	25%
2039	37%	0%	-3%	19%	65%	52%	25%
2040	38%	0%	-3%	19%	65%	52%	25%

Cavalry S+S (Storage Only)	Dunns Bridge 1 Solar	Dunns Bridge 2 S+S (Solar Only)	Dunns Bridge 2 S+S (Storage Only)	Elliot Solar	Fairbanks Solar	INCR Solar	RM Schahfer #15	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	Rosewater	Sugar Creek Power Plant	Sugar Creek Power Plant_5 Percent H2
0%	0%	0%	0%	0%	0%	0%	73%	2%	2%	42%	56%	35%	70%	0%
0%	10%	0%	0%	0%	0%	9%	0%	0%	0%	57%	62%	35%	65%	0%
-2%	24%	10%	-2%	26%	17%	25%	0%	0%	0%	61%	66%	35%	68%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	1%	0%	0%	35%	66%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	1%	0%	0%	35%	65%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	98%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	81%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	98%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	92%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	98%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	98%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	98%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	92%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	98%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	81%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	98%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	92%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	98%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	98%

Sugar Creek Power Plant_95 Percent Gas	Sugar Creek Power Plant_Duct Firing	Sugar Creek Power Plant_Uprated	Sugar Creek Power Plant_Uprated_with H2	DER_Paired_S+B_Ref_HighAvo	Generic 4-Hour Storage_Ref_2032	Generic 4-Hour Storage_Ref_2034	Generic 4-Hour Storage_Ref_2036	Generic 4-Hour Storage_Ref_2037	Generic Solar_Ref_2030	Generic Solar_Ref_2032	Generic Solar_Ref_2033	Generic Solar_Ref_2034	Generic Solar_Ref_2035	Generic Solar_Ref_2039
0%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	4%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
69%	3%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
56%	2%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
67%	5%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
63%	5%	0%	0%	6%	0%	0%	0%	0%	26%	0%	0%	0%	0%	0%
62%	4%	0%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
59%	3%	0%	64%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	4%	0%	61%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	4%	0%	61%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	5%	0%	60%	6%	0%	0%	0%	0%	25%	0%	0%	0%	26%	0%
0%	4%	0%	51%	6%	0%	0%	0%	0%	25%	0%	0%	0%	25%	0%
0%	5%	0%	62%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	0%
0%	6%	0%	64%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	0%
0%	7%	0%	68%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	26%
0%	7%	0%	68%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	25%

Generic Solar_Ref_2040	Gas CC A1	Gas Peaking A1	Storage A2
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-5%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-7%
0%	0%	0%	-7%
0%	0%	0%	-7%
0%	0%	0%	-7%
26%	0%	0%	-7%

Portfolio	Replacements I
Scenario	Aggressive Environmental Regulation

Capacity Factor

	Indiana Crossroads Wind I	Michigan City #12	NIPSCO Customer-Owned BTM Storage	NIPSCO Customer-Owned Distributed Generation	Norway #1-#4 NIPS	Oakdale #1+2+3	Cavalry S+S (Solar Only)
2021	43%	68%	0%	19%	65%	52%	0%
2022	37%	70%	0%	19%	65%	52%	0%
2023	37%	74%	0%	19%	65%	52%	11%
2024	38%	74%	-2%	19%	65%	52%	25%
2025	37%	65%	-2%	19%	65%	52%	25%
2026	37%	74%	-2%	20%	65%	52%	25%
2027	37%	0%	-3%	19%	65%	52%	25%
2028	38%	0%	-3%	19%	65%	52%	25%
2029	37%	0%	-3%	19%	65%	52%	25%
2030	37%	0%	-3%	19%	65%	52%	24%
2031	37%	0%	-3%	19%	65%	52%	24%
2032	38%	0%	-3%	19%	65%	52%	24%
2033	37%	0%	-3%	19%	65%	52%	24%
2034	37%	0%	-3%	19%	65%	52%	23%
2035	37%	0%	-3%	19%	65%	52%	23%
2036	38%	0%	-3%	19%	65%	52%	23%
2037	37%	0%	-3%	20%	65%	52%	23%
2038	37%	0%	-3%	19%	65%	52%	22%
2039	37%	0%	-3%	19%	65%	52%	23%
2040	38%	0%	-3%	19%	65%	52%	23%

Cavalry S+S (Storage Only)	Dunns Bridge 1 Solar	Dunns Bridge 2 S+S (Solar Only)	Dunns Bridge 2 S+S (Storage Only)	Elliot Solar	Fairbanks Solar	INCR Solar	RM Schahfer #15	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	Rosewater	Sugar Creek Power Plant	Sugar Creek Power Plant_5 Percent H2
0%	0%	0%	0%	0%	0%	0%	73%	2%	2%	41%	57%	35%	70%	0%
0%	10%	0%	0%	0%	0%	9%	0%	0%	0%	63%	65%	35%	54%	0%
-2%	24%	10%	-2%	26%	17%	25%	0%	0%	0%	62%	67%	35%	51%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	55%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	43%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	98%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	81%
-2%	24%	24%	-2%	24%	26%	25%	0%	0%	0%	0%	0%	35%	0%	98%
-2%	24%	24%	-2%	24%	26%	25%	0%	0%	0%	0%	0%	35%	0%	92%
-2%	24%	24%	-2%	24%	26%	25%	0%	0%	0%	0%	0%	35%	0%	98%
-2%	23%	24%	-2%	23%	25%	25%	0%	0%	0%	0%	0%	35%	0%	98%
-2%	23%	24%	-2%	23%	25%	25%	0%	0%	0%	0%	0%	35%	0%	98%
-2%	23%	23%	-2%	23%	24%	25%	0%	0%	0%	0%	0%	35%	0%	92%
-2%	23%	23%	-2%	22%	24%	25%	0%	0%	0%	0%	0%	35%	0%	98%
-2%	22%	22%	-2%	22%	23%	25%	0%	0%	0%	0%	0%	35%	0%	81%
-2%	22%	22%	-2%	22%	23%	25%	0%	0%	0%	0%	0%	35%	0%	98%
-2%	21%	22%	-2%	21%	23%	25%	0%	0%	0%	0%	0%	35%	0%	92%
-2%	21%	22%	-2%	21%	23%	25%	0%	0%	0%	0%	0%	35%	0%	98%
-2%	22%	23%	-2%	22%	23%	25%	0%	0%	0%	0%	0%	35%	0%	98%

Sugar Creek Power Plant_95 Percent Gas	Sugar Creek Power Plant_Duct Firing	Sugar Creek Power Plant_Uprated	Sugar Creek Power Plant_Uprated_with H2	DER_Paired_S+B_Ref_HighAvo	Generic 4-Hour Storage_Ref_2032	Generic 4-Hour Storage_Ref_2034	Generic 4-Hour Storage_Ref_2036	Generic 4-Hour Storage_Ref_2037	Generic Solar_Ref_2030	Generic Solar_Ref_2032	Generic Solar_Ref_2033	Generic Solar_Ref_2034	Generic Solar_Ref_2035	Generic Solar_Ref_2039
0%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	1%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
40%	1%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
32%	0%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
37%	1%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
36%	1%	0%	0%	6%	0%	0%	0%	0%	26%	0%	0%	0%	0%	0%
42%	2%	0%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
38%	2%	0%	55%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	2%	0%	50%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	1%	0%	47%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	1%	0%	42%	6%	0%	0%	0%	0%	25%	0%	0%	0%	26%	0%
0%	1%	0%	32%	6%	0%	0%	0%	0%	25%	0%	0%	0%	25%	0%
0%	1%	0%	39%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	0%
0%	1%	0%	38%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	0%
0%	1%	0%	43%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	26%
0%	0%	0%	50%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	25%

Generic Solar_Ref_2040	Gas CC A1	Gas Peaking A1	Storage A2
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	-2%
0%	0%	0%	-2%
0%	0%	0%	-5%
0%	0%	0%	-5%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
26%	0%	0%	-6%

Portfolio	Replacements I
Scenario	Status Quo Extended

Capacity Factor

	Indiana Crossroads Wind I	Michigan City #12	NIPSCO Customer-Owned BTM Storage	NIPSCO Customer-Owned Distributed Generation	Norway #1-#4 NIPS	Oakdale #1+2+3	Cavalry S+S (Solar Only)
2021	43%	68%	0%	19%	65%	52%	0%
2022	37%	64%	0%	19%	65%	52%	0%
2023	37%	69%	0%	19%	65%	52%	11%
2024	38%	75%	0%	19%	65%	52%	25%
2025	37%	64%	0%	19%	65%	52%	25%
2026	37%	70%	0%	20%	65%	52%	25%
2027	37%	0%	0%	19%	65%	52%	25%
2028	38%	0%	0%	19%	65%	52%	25%
2029	37%	0%	0%	19%	65%	52%	25%
2030	37%	0%	0%	19%	65%	52%	25%
2031	37%	0%	0%	19%	65%	52%	25%
2032	38%	0%	0%	19%	65%	52%	25%
2033	37%	0%	0%	19%	65%	52%	25%
2034	37%	0%	0%	19%	65%	52%	25%
2035	37%	0%	0%	19%	65%	52%	25%
2036	38%	0%	0%	19%	65%	52%	25%
2037	37%	0%	0%	20%	65%	52%	25%
2038	37%	0%	0%	19%	65%	52%	25%
2039	37%	0%	0%	19%	65%	52%	25%
2040	38%	0%	0%	19%	65%	52%	25%

Cavalry S+S (Storage Only)	Dunns Bridge 1 Solar	Dunns Bridge 2 S+S (Solar Only)	Dunns Bridge 2 S+S (Storage Only)	Elliot Solar	Fairbanks Solar	INCR Solar	RM Schahfer #15	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	Rosewater	Sugar Creek Power Plant	Sugar Creek Power Plant_5 Percent H2
0%	0%	0%	0%	0%	0%	0%	73%	2%	2%	41%	56%	35%	70%	0%
0%	10%	0%	0%	0%	0%	9%	0%	0%	0%	54%	59%	35%	69%	0%
-1%	24%	10%	-1%	26%	17%	25%	0%	0%	0%	55%	60%	35%	86%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	3%	0%	0%	35%	87%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	3%	0%	0%	35%	87%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	2%	0%	0%	35%	0%	0%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	1%	0%	0%	35%	0%	98%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	1%	0%	0%	35%	0%	81%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	98%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	92%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	98%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	98%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	98%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	92%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	98%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	81%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	98%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	92%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	98%
-2%	24%	24%	-2%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	98%

Sugar Creek Power Plant_95 Percent Gas	Sugar Creek Power Plant_Duct Firing	Sugar Creek Power Plant_Uprated	Sugar Creek Power Plant_Uprated_with H2	DER_Paired_S+B_Ref_HighAvo	Generic 4-Hour Storage_Ref_2032	Generic 4-Hour Storage_Ref_2034	Generic 4-Hour Storage_Ref_2036	Generic 4-Hour Storage_Ref_2037	Generic Solar_Ref_2030	Generic Solar_Ref_2032	Generic Solar_Ref_2033	Generic Solar_Ref_2034	Generic Solar_Ref_2035	Generic Solar_Ref_2039
0%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	21%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	19%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
86%	16%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
70%	12%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
84%	17%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
79%	16%	0%	0%	6%	0%	0%	0%	0%	26%	0%	0%	0%	0%	0%
81%	15%	0%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
78%	15%	0%	82%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	15%	0%	79%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	15%	0%	76%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	15%	0%	78%	6%	0%	0%	0%	0%	25%	0%	0%	0%	26%	0%
0%	11%	0%	64%	6%	0%	0%	0%	0%	25%	0%	0%	0%	25%	0%
0%	14%	0%	77%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	0%
0%	13%	0%	73%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	0%
0%	16%	0%	77%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	26%
0%	16%	0%	78%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	25%

Generic Solar_Ref_2040	Gas CC A1	Gas Peaking A1	Storage A2
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-7%
0%	0%	0%	-7%
26%	0%	0%	-6%

Portfolio	Replacements I
Scenario	Economy-Wide Decarbonization

Capacity Factor

	Indiana Crossroads Wind I	Michigan City #12	NIPSCO Customer-Owned BTM Storage	NIPSCO Customer-Owned Distributed Generation	Norway #1-#4 NIPS	Oakdale #1+2+3	Cavalry S+S (Solar Only)
2021	43%	68%	0%	19%	65%	52%	0%
2022	37%	65%	0%	19%	65%	52%	0%
2023	37%	72%	0%	19%	65%	52%	11%
2024	38%	78%	-1%	19%	65%	52%	25%
2025	37%	70%	-1%	19%	65%	52%	25%
2026	37%	77%	0%	20%	65%	52%	25%
2027	37%	0%	0%	19%	65%	52%	25%
2028	38%	0%	0%	19%	65%	52%	25%
2029	37%	0%	0%	19%	65%	52%	25%
2030	37%	0%	0%	19%	65%	52%	25%
2031	37%	0%	0%	19%	65%	52%	25%
2032	38%	0%	0%	19%	65%	52%	25%
2033	37%	0%	0%	19%	65%	52%	25%
2034	37%	0%	0%	19%	65%	52%	25%
2035	37%	0%	0%	19%	65%	52%	25%
2036	38%	0%	0%	19%	65%	52%	25%
2037	37%	0%	0%	20%	65%	52%	25%
2038	37%	0%	0%	19%	65%	52%	25%
2039	37%	0%	0%	19%	65%	52%	25%
2040	38%	0%	0%	19%	65%	52%	25%

Cavalry S+S (Storage Only)	Dunns Bridge 1 Solar	Dunns Bridge 2 S+S (Solar Only)	Dunns Bridge 2 S+S (Storage Only)	Elliot Solar	Fairbanks Solar	INCR Solar	RM Schahfer #15	RM Schahfer #16A	RM Schahfer #16B	RM Schahfer #17	RM Schahfer #18	Rosewater	Sugar Creek Power Plant	Sugar Creek Power Plant_5 Percent H2
0%	0%	0%	0%	0%	0%	0%	73%	2%	2%	42%	57%	35%	70%	0%
0%	10%	0%	0%	0%	0%	9%	0%	0%	0%	55%	61%	35%	64%	0%
-1%	24%	10%	-1%	26%	17%	25%	0%	0%	0%	60%	64%	35%	67%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	1%	0%	0%	35%	64%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	1%	0%	0%	35%	60%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	0%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	98%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	81%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	98%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	92%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	98%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	98%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	98%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	92%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	98%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	81%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	98%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	92%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	98%
-1%	24%	24%	-1%	25%	27%	25%	0%	0%	0%	0%	0%	35%	0%	98%

Sugar Creek Power Plant_95 Percent Gas	Sugar Creek Power Plant_Duct Firing	Sugar Creek Power Plant_Uprated	Sugar Creek Power Plant_Uprated_with H2	DER_Paired_S+B_Ref_HighAvo	Generic 4-Hour Storage_Ref_2032	Generic 4-Hour Storage_Ref_2034	Generic 4-Hour Storage_Ref_2036	Generic 4-Hour Storage_Ref_2037	Generic Solar_Ref_2030	Generic Solar_Ref_2032	Generic Solar_Ref_2033	Generic Solar_Ref_2034	Generic Solar_Ref_2035	Generic Solar_Ref_2039
0%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0%	3%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
53%	3%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
39%	1%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
44%	4%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
44%	4%	0%	0%	6%	0%	0%	0%	0%	26%	0%	0%	0%	0%	0%
50%	5%	0%	0%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
41%	5%	0%	94%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	4%	0%	92%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	4%	0%	88%	6%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%
0%	7%	0%	95%	6%	0%	0%	0%	0%	25%	0%	0%	0%	26%	0%
0%	5%	0%	77%	6%	0%	0%	0%	0%	25%	0%	0%	0%	25%	0%
0%	8%	0%	92%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	0%
0%	11%	0%	85%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	0%
0%	13%	0%	86%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	26%
0%	12%	0%	76%	6%	0%	0%	0%	-3%	25%	0%	0%	0%	25%	25%

Generic Solar_Ref_2040	Gas CC A1	Gas Peaking A1	Storage A2
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	-3%
0%	0%	0%	-3%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-7%
0%	0%	0%	-6%
0%	0%	0%	-7%
0%	0%	0%	-7%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
0%	0%	0%	-6%
26%	0%	0%	-6%